

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

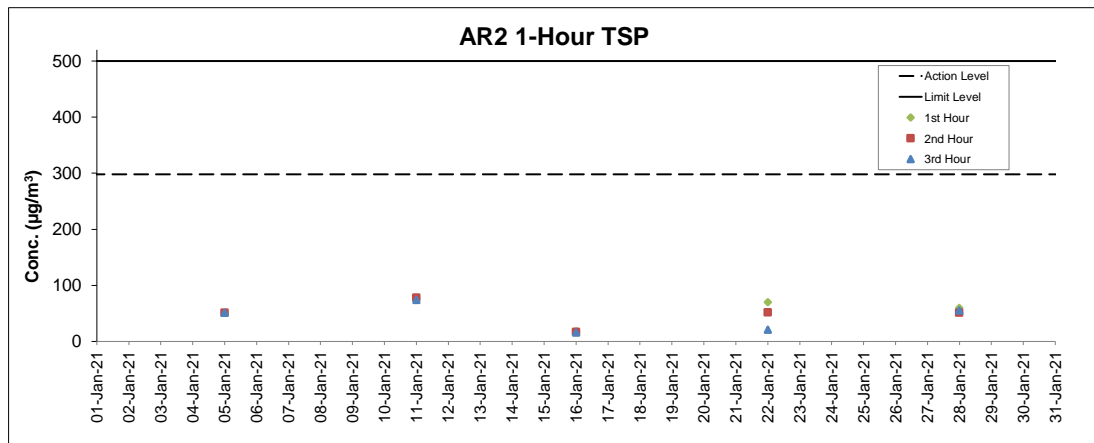
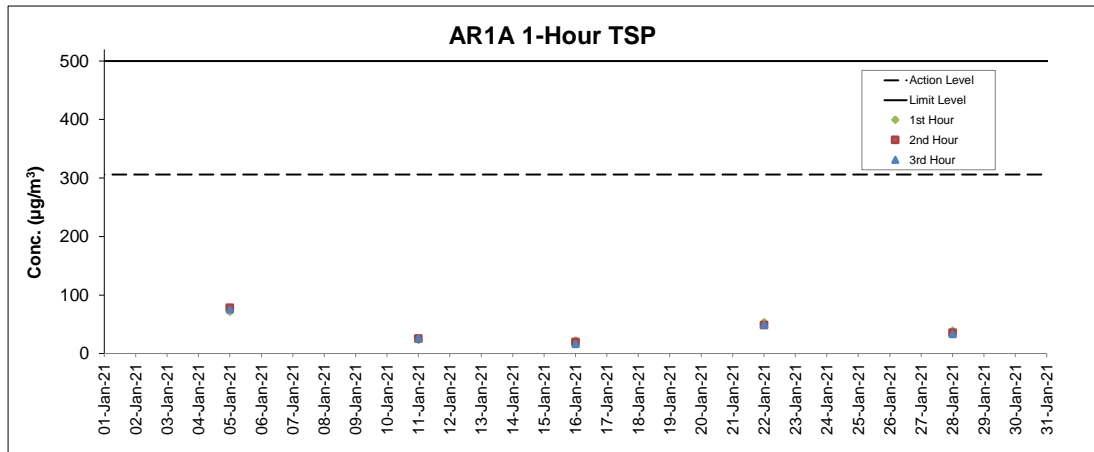
Station: AR1A- Man Tung Road Park

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
5-Jan-21	13:06	Cloudy	4.2	303	71	306	500
5-Jan-21	14:06	Cloudy	4.2	298	78	306	500
5-Jan-21	15:06	Cloudy	3.3	284	75	306	500
11-Jan-21	10:00	Cloudy	6.9	357	23	306	500
11-Jan-21	11:00	Cloudy	5.8	351	25	306	500
11-Jan-21	12:00	Cloudy	6.4	2	26	306	500
16-Jan-21	9:27	Sunny	3.3	65	22	306	500
16-Jan-21	10:27	Sunny	5.3	87	19	306	500
16-Jan-21	11:27	Sunny	5.0	89	16	306	500
22-Jan-21	13:22	Cloudy	4.2	313	53	306	500
22-Jan-21	14:22	Cloudy	1.4	Variable	48	306	500
22-Jan-21	15:22	Cloudy	4.2	274	49	306	500
28-Jan-21	13:31	Cloudy	5.0	303	39	306	500
28-Jan-21	14:31	Cloudy	8.1	313	35	306	500
28-Jan-21	15:31	Cloudy	7.5	314	33	306	500

1-hour TSP Results

Station: AR2- Village House, Tin Sum

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
5-Jan-21	13:35	Sunny	3.9	307	51	298	500
5-Jan-21	14:35	Sunny	3.3	291	51	298	500
5-Jan-21	15:35	Sunny	3.3	262	51	298	500
11-Jan-21	13:08	Cloudy	6.9	7	77	298	500
11-Jan-21	14:08	Cloudy	7.8	11	78	298	500
11-Jan-21	15:08	Cloudy	6.7	9	74	298	500
16-Jan-21	13:13	Sunny	9.2	94	18	298	500
16-Jan-21	14:13	Sunny	8.9	90	17	298	500
16-Jan-21	15:13	Sunny	9.4	94	16	298	500
22-Jan-21	12:26	Sunny	3.1	297	70	298	500
22-Jan-21	13:26	Sunny	4.4	309	52	298	500
22-Jan-21	14:26	Sunny	1.7	86	21	298	500
28-Jan-21	9:39	Cloudy	1.4	Variable	60	298	500
28-Jan-21	10:39	Cloudy	3.3	55	51	298	500
28-Jan-21	11:39	Cloudy	1.7	356	55	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 ₅₀ dB(A)	L _{eq(30mins)} dB(A)
5-Jan-21	Cloudy	13:33	67.3	59.0	68
5-Jan-21	Cloudy	13:38	69.3	58.1	
5-Jan-21	Cloudy	13:43	63.3	57.9	
5-Jan-21	Cloudy	13:48	66.4	59.3	
5-Jan-21	Cloudy	13:53	65.4	61.0	
5-Jan-21	Cloudy	13:58	68.4	59.3	
11-Jan-21	Cloudy	10:29	74.0	55.4	73
11-Jan-21	Cloudy	10:34	72.4	55.7	
11-Jan-21	Cloudy	10:39	72.8	54.9	
11-Jan-21	Cloudy	10:44	74.5	53.5	
11-Jan-21	Cloudy	10:49	72.9	53.2	
11-Jan-21	Cloudy	10:54	73.2	54.6	
22-Jan-21	Cloudy	8:35	67.2	56.0	67
22-Jan-21	Cloudy	8:40	67.0	56.4	
22-Jan-21	Cloudy	8:45	65.3	57.6	
22-Jan-21	Cloudy	8:50	65.3	57.1	
22-Jan-21	Cloudy	8:55	65.2	57.2	
22-Jan-21	Cloudy	9:00	60.2	56.8	
28-Jan-21	Cloudy	13:29	62.3	54.9	64
28-Jan-21	Cloudy	13:34	61.6	54.8	
28-Jan-21	Cloudy	13:39	63.3	54.9	
28-Jan-21	Cloudy	13:44	67.1	58.5	
28-Jan-21	Cloudy	13:49	58.1	51.3	
28-Jan-21	Cloudy	13:54	60.1	52.8	

Remarks:

+3dB (A) correction 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 ₅₀ dB(A)	L _{eq(30mins)} dB(A)
4-Jan-21	Cloudy	13:09	60.6	53.2	61
4-Jan-21	Cloudy	13:14	60.9	54.3	
4-Jan-21	Cloudy	13:19	59.0	53.1	
4-Jan-21	Cloudy	13:24	60.2	54.8	
4-Jan-21	Cloudy	13:29	60.0	53.1	
4-Jan-21	Cloudy	13:34	59.7	53.6	
12-Jan-21	Cloudy	13:17	59.1	53.8	60
12-Jan-21	Cloudy	13:22	60.1	53.6	
12-Jan-21	Cloudy	13:27	61.2	53.6	
12-Jan-21	Cloudy	13:32	59.5	53.2	
12-Jan-21	Cloudy	13:37	59.7	53.1	
12-Jan-21	Cloudy	13:42	58.6	51.9	
21-Jan-21	Cloudy	13:08	58.9	48.5	60
21-Jan-21	Cloudy	13:13	55.5	48.3	
21-Jan-21	Cloudy	13:18	56.5	47.4	
21-Jan-21	Cloudy	13:23	53.5	48.5	
21-Jan-21	Cloudy	13:28	55.2	47.9	
21-Jan-21	Cloudy	13:33	59.7	47.4	
29-Jan-21	Sunny	13:15	61.7	55.8	61
29-Jan-21	Sunny	13:20	58.9	54.5	
29-Jan-21	Sunny	13:25	60.9	54.4	
29-Jan-21	Sunny	13:30	59.7	53.8	
29-Jan-21	Sunny	13:35	61.1	54.5	
29-Jan-21	Sunny	13:40	61.3	54.7	

Remarks:

+3dB (A) correction 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 ₅₀ dB(A)	L _{eq(30mins)} dB(A)
5-Jan-21	Sunny	13:35	51.3	43.5	57
5-Jan-21	Sunny	13:40	48.6	44.1	
5-Jan-21	Sunny	13:45	52.0	43.7	
5-Jan-21	Sunny	13:50	51.6	45.1	
5-Jan-21	Sunny	13:55	52.9	44.9	
5-Jan-21	Sunny	14:00	60.0	44.7	
11-Jan-21	Cloudy	13:11	56.3	49.0	67
11-Jan-21	Cloudy	13:16	58.2	49.9	
11-Jan-21	Cloudy	13:21	56.9	49.4	
11-Jan-21	Cloudy	13:26	57.8	46.9	
11-Jan-21	Cloudy	13:31	66.9	48.2	
11-Jan-21	Cloudy	13:36	58.7	48.5	
22-Jan-21	Sunny	12:26	50.6	43.5	53
22-Jan-21	Sunny	12:31	61.4	44.6	
22-Jan-21	Sunny	12:36	47.4	43.7	
22-Jan-21	Sunny	12:41	47.6	44.4	
22-Jan-21	Sunny	12:46	60.4	44.1	
22-Jan-21	Sunny	12:51	46.4	43.5	
28-Jan-21	Cloudy	10:00	54.3	51.0	59
28-Jan-21	Cloudy	10:05	59.3	51.6	
28-Jan-21	Cloudy	10:10	55.9	47.0	
28-Jan-21	Cloudy	10:15	54.7	46.1	
28-Jan-21	Cloudy	10:20	60.8	44.8	
28-Jan-21	Cloudy	10:25	50.5	46.1	

Remarks:

+3dB (A) correction was applied to free-field measurement.

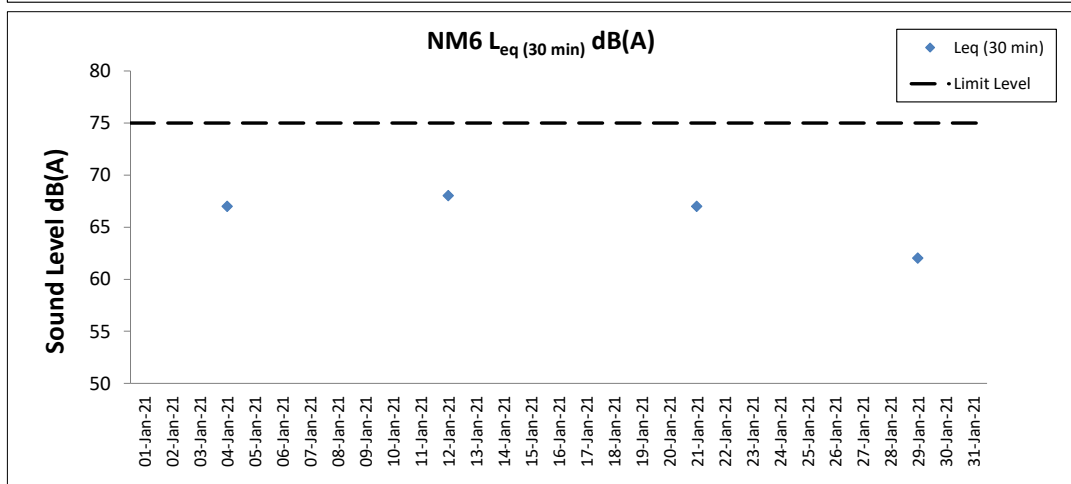
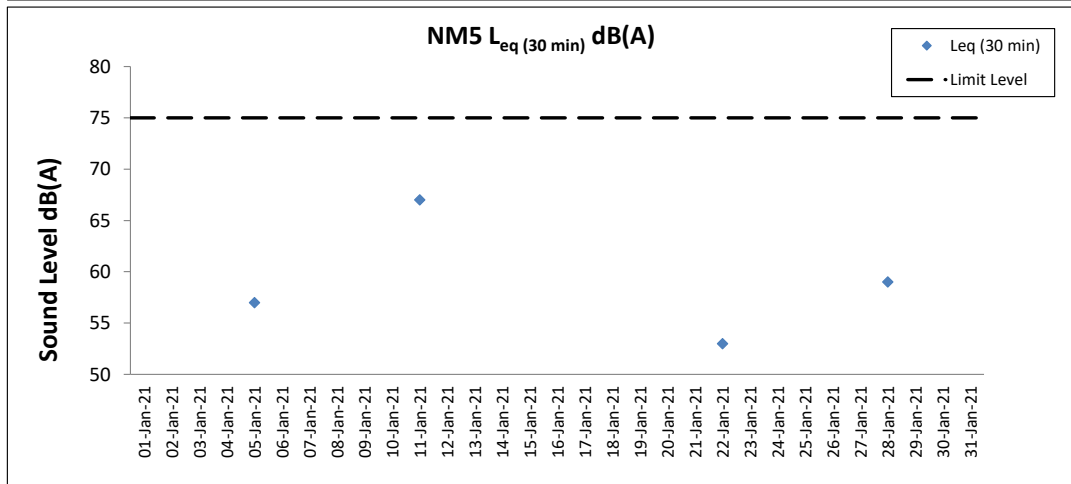
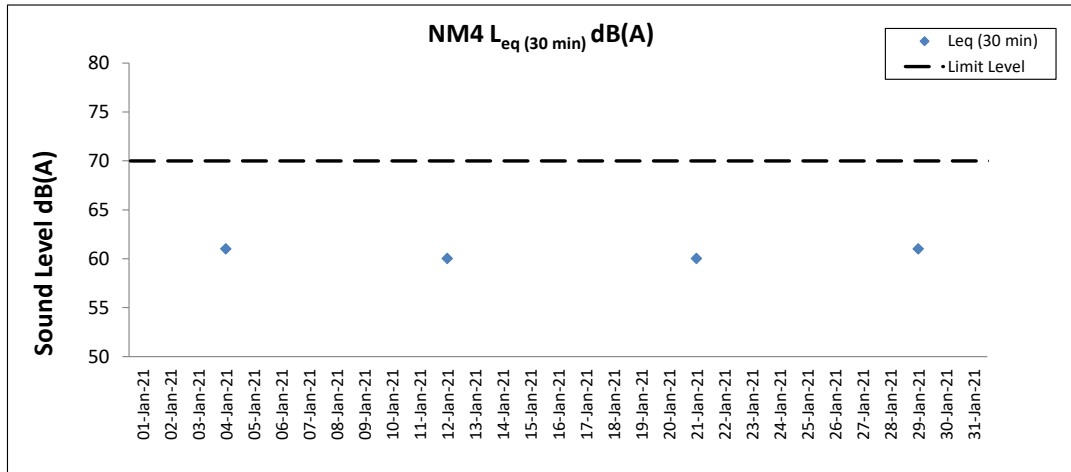
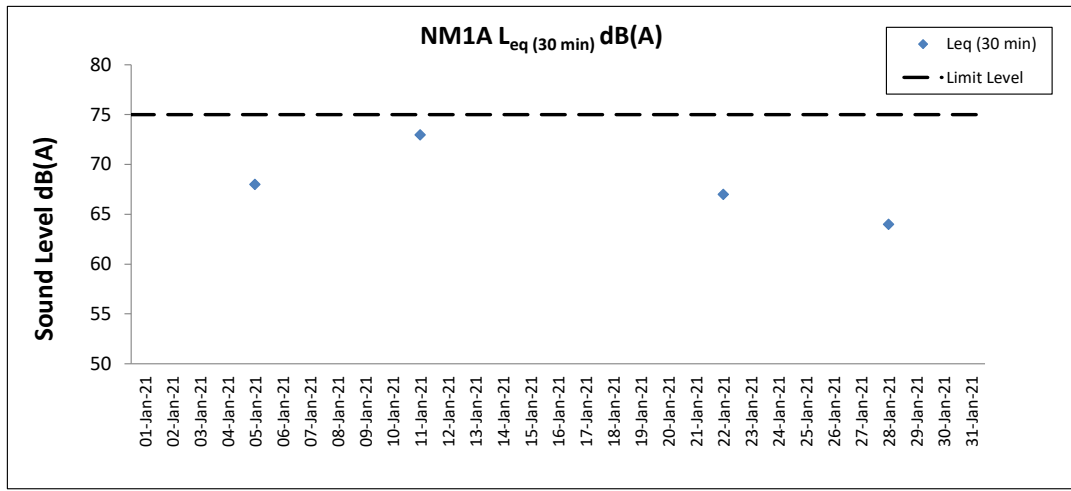
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
4-Jan-21	Cloudy	15:46	59.8	54.3	67
4-Jan-21	Cloudy	15:51	59.6	54.3	
4-Jan-21	Cloudy	15:56	66.1	54.1	
4-Jan-21	Cloudy	16:01	70.6	59.6	
4-Jan-21	Cloudy	16:06	69.3	59.6	
4-Jan-21	Cloudy	16:11	65.0	54.7	
12-Jan-21	Cloudy	15:49	68.3	56.9	68
12-Jan-21	Cloudy	15:54	67.1	57.2	
12-Jan-21	Cloudy	15:59	71.0	56.8	
12-Jan-21	Cloudy	16:04	67.9	58.5	
12-Jan-21	Cloudy	16:09	67.8	56.1	
12-Jan-21	Cloudy	16:14	64.6	56.8	
21-Jan-21	Cloudy	15:46	65.4	57.0	67
21-Jan-21	Cloudy	15:51	69.2	61.0	
21-Jan-21	Cloudy	15:56	68.8	57.4	
21-Jan-21	Cloudy	16:01	64.4	54.6	
21-Jan-21	Cloudy	16:06	64.3	55.4	
21-Jan-21	Cloudy	16:11	63.6	55.4	
29-Jan-21	Sunny	15:38	59.5	49.7	62
29-Jan-21	Sunny	15:43	76.0	58.5	
29-Jan-21	Sunny	15:48	71.4	46.5	
29-Jan-21	Sunny	15:53	53.7	43.6	
29-Jan-21	Sunny	15:58	61.4	45.3	
29-Jan-21	Sunny	16:03	64.2	52.2	

Remarks:

+3dB (A) correction was applied to free-field measurement.



Notes

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

Water Quality Monitoring Results

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

Water Quality Monitoring Results on 02 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Fine	Moderate	14:38	8.6	Surface	1.0	0.4	296	17.7	17.7	8.1	8.1	31.7	31.7	102.0	102.0	8.0	8.1	15.1	12	87	90	815636	804259	<0.2	0.5	<0.2	0.5					
						1.0	0.4	304	17.7	8.1	8.1	31.7	31.7	102.0	102.0	8.0	8.1	15.1	12	88	90	<0.2	0.5	<0.2	0.5								
						4.3	0.4	290	17.6	8.1	8.1	31.6	31.6	102.5	102.5	8.1	8.1	16.0	11	91	90	<0.2	0.5	<0.2	0.5								
					Middle	4.3	0.4	316	17.6	8.1	8.1	31.6	31.6	102.5	102.5	8.1	8.1	16.0	11	91	90	<0.2	0.5	<0.2	0.5								
						7.6	0.3	293	17.6	8.1	8.1	31.6	31.6	105.0	105.0	8.3	8.3	16.8	11	92	90	<0.2	0.5	<0.2	0.5								
						7.6	0.3	316	17.6	8.1	8.1	31.6	31.6	105.0	105.0	8.3	8.3	16.8	11	92	90	<0.2	0.5	<0.2	0.5								
					C2	Fine	Moderate	13:29	12.3	Surface	1.0	0.2	135	16.7	16.7	8.2	8.2	30.3	30.3	99.7	99.7	8.1	8.1	8.1	8	87	89	825702	806938	0.2	1.3	0.2	1.3
											1.0	0.2	147	16.7	8.2	8.2	30.3	30.3	99.7	99.7	8.1	8.1	8.1	8	86	89	0.2	1.3	0.2	1.3			
											6.2	0.5	154	16.6	8.2	8.2	30.4	30.4	99.2	99.2	8.1	8.1	8.7	8	89	89	<0.2	1.2	<0.2	1.3			
Middle	6.2	0.5	158	16.6						8.2	8.2	30.4	30.4	99.2	99.2	8.1	8.1	8.7	8	89	89	<0.2	1.2	<0.2	1.3								
	11.3	0.5	144	16.6						8.2	8.2	30.4	30.4	99.9	99.9	8.1	8.1	8.8	10	91	90	<0.2	1.2	<0.2	1.2								
	11.3	0.5	148	16.6						8.2	8.2	30.4	30.4	99.9	99.9	8.1	8.1	8.9	10	90	90	<0.2	1.2	<0.2	1.2								
C3	Fine	Moderate	15:39	11.8						Surface	1.0	0.4	286	17.7	17.7	8.1	8.1	30.4	30.4	95.1	95.1	7.6	7.6	4.6	4	87	89	822086	817793	<0.2	0.6	<0.2	0.6
											1.0	0.4	288	17.7	8.1	8.1	30.4	30.4	95.1	95.1	7.6	7.6	4.6	4	87	89	<0.2	0.6	<0.2	0.6			
											5.9	0.2	257	17.8	8.1	8.1	30.5	30.5	93.4	93.4	7.4	7.4	5.2	5	89	89	<0.2	0.6	<0.2	0.6			
					Middle	5.9	0.2	282	17.8	8.1	8.1	30.5	30.5	93.4	93.4	7.4	7.4	5.2	5	90	89	<0.2	0.6	<0.2	0.6								
						10.8	0.1	120	17.8	8.1	8.1	30.5	30.5	93.0	93.0	7.4	7.4	5.9	6	91	89	<0.2	0.6	<0.2	0.6								
						10.8	0.1	121	17.8	8.1	8.1	30.5	30.5	93.0	93.0	7.4	7.4	5.9	6	91	89	<0.2	0.6	<0.2	0.5								
					IM1	Fine	Moderate	14:16	4.9	Surface	1.0	0.1	134	17.4	17.4	8.1	8.1	31.3	31.3	105.9	105.9	8.4	8.4	6.9	8	86	88	817956	807134	<0.2	0.6	<0.2	0.6
											1.0	0.1	143	17.4	8.1	8.1	31.3	31.3	105.9	105.9	8.4	8.4	6.9	8	87	88	<0.2	0.6	<0.2	0.6			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817956	807134
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	88	817956	807134	<0.2	0.6	<0.2	0.6	
	3.9	0.1	311	17.3						8.1	8.1	31.3	31.3	107.1	107.1	8.5	8.5	7.0	10	89	89	<0.2	0.6	<0.2	0.6								
	3.9	0.1	330	17.3						8.1	8.1	31.3	31.3	107.1	107.1	8.5	8.5	7.0	10	90	89	<0.2	0.6	<0.2	0.5								
IM2	Fine	Moderate	14:09	6.8						Surface	1.0	0.5	273	17.3	17.3	8.1	8.1	31.3	31.3	102.7	102.7	8.2	8.2	9.8	11	89	90	818184	806177	<0.2	0.6	<0.2	0.6
											1.0	0.5	294	17.3	8.1	8.1	31.3	31.3	102.7	102.7	8.2	8.2	9.8	11	90	90	<0.2	0.6	<0.2	0.6			
											3.4	0.4	275	17.3	8.1	8.1	31.3	31.3	102.9	102.9	8.2	8.2	9.8	11	90	90	<0.2	0.6	<0.2	0.6			
					Middle	3.4	0.4	296	17.3	8.1	8.1	31.3	31.3	102.9	102.9	8.2	8.2	9.8	11	90	90	<0.2	0.6	<0.2	0.6								
						5.8	0.3	272	17.3	8.1	8.1	31.4	31.4	103.9	103.9	8.3	8.3	9.7	12	91	91	<0.2	0.6	<0.2	0.6								
						5.8	0.4	286	17.3	8.1	8.1	31.4	31.4	103.9	103.9	8.3	8.3	9.7	12	91	91	<0.2	0.6	<0.2	0.7								
					IM3	Fine	Moderate	14:01	7.1	Surface	1.0	0.4	301	17.3	17.3	8.1	8.1	31.3	31.3	102.5	102.5	8.2	8.2	10.5	15	88	88	818778	805597	<0.2	0.5	<0.2	0.6
											1.0	0.4	301	17.3	8.1	8.1	31.3	31.3	102.5	102.5	8.2	8.2	10.4	14	88	88	<0.2	0.6	<0.2	0.6			
											3.6	0.4	292	17.2	8.1	8.1	31.4	31.4	103.0	103.0	8.2	8.2	11.4	12	90	90	<0.2	0.5	<0.2	0.5			
Middle	3.6	0.4	305	17.2						8.1	8.1	31.4	31.4	103.0	103.0	8.2	8.2	11.4	13	91	91	<0.2	0.5	<0.2	0.5								
	6.1	0.3	296	17.2						8.1	8.1	31.4	31.4	104.9	104.9	8.4	8.4	10.6	10	91	91	<0.2	0.6	<0.2	0.6								
	6.1	0.3	305	17.2						8.1	8.1	31.4	31.4	105.1	105.1	8.4	8.4	10.7	10	91	91	<0.2	0.6	<0.2	0.5								
IM4	Fine	Moderate	13:52	7.5						Surface	1.0	0.3	262	17.3	17.3	8.1	8.1	31.3	31.3	101.9	101.9	8.1	8.1	10.9	13	87	87	819725	804623	<0.2	0.5	<0.2	0.5
											1.0	0.3	264	17.3	8.1	8.1	31.3	31.3	101.8	101.8	8.1	8.1	10.9	13	87	87	<0.2	0.5	<0.2	0.5			
											3.8	0.3	255	17.2	8.1	8.1	31.3	31.3	102.2	102.2	8.2	8.2	11.0	12	89	89	<0.2	0.6	<0.2	0.6			
					Middle	3.8	0.3	263	17.2	8.1	8.1	31.3	31.3	102.2	102.2	8.2	8.2	11.0	12	90	89	<0.2	0.6	<0.2	0.6								
						6.5	0.3	252	17.2	8.1	8.1	31.4	31.4	104.3	104.3	8.3	8.3	11.5	11	91	91	<0.2	0.7	<0.2	0.6								
						6.5	0.3	274	17.2	8.1	8.1	31.4	31.4	104.3	104.3	8.3	8.3	11.5	10	91	91	<0.2	0.6	<0.2	0.6								
					IM5	Fine	Moderate	13:43	7.4	Surface	1.0	0.2	255	17.3	17.3	8.1	8.1	31.4	31.4	101.6	101.6	8.1	8.1	14.1	14	87	87	820753	804885	<0.2	0.6	<0.2	0.6
											1.0	0.2	279	17.3	8.1	8.1	31.4	31.4	101.6	101.6	8.1	8.1	14.1	13	87	87	<0.2	0.5	<0.2	0.6			
											3.7	0.2	247	17.3	8.1	8.1	31.4	31.4	102.1	102.1	8.1	8.1	15.9	12	90	90	<0.2	0.6	<0.2	0.6			
Middle	3.7	0.2	264	17.3						8.1	8.1	31.4	31.4	102.1	102.1	8.1	8.1	16.0	12	90	90	<0.2	0.6	<0.2	0.6								
	6.4	0.2	232	17.2						8.1	8.1	31.4	31.4	103.1	103.1	8.2	8.2	16.9	11	91	91	<0.2	0.6	<0.2	0.5								
	6.4	0.2	232	17.2						8.1	8.1	31.4	31.4	103.1	103.1	8.2	8.2	16.9	11	92	90	<0.2	0.6	<0.2	0.6								
IM6	Fine	Moderate	13:35	7.3						Surface	1.0	0.2	258	17.2	17.2	8.1	8.1	31.3	31.3	102.4	102.4	8.2	8.2	10.3	10	86	88	821052	805838	<0.2	0.6	<0.2	0.6
											1.0	0.2	259	17.2	8.1	8.1	31.3	31.3	102.4	102.4	8.2	8.2	10.3	10	88	88	<0.2	0.6	<0.2	0.6			
											3.7	0.2	258	17.2	8.1	8.1	31.3	31.3	102.5	102.5	8.2	8.2	11.4	10	90	90	<0.2	0.5	<0.2	0.6			
					Middle																												

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

Water Quality Monitoring Results on 02 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	13:58	7.2	Surface	1.0	0.3	90	17.1	17.1	8.1	8.1	30.1	30.1	97.5	97.5	7.8	7.5	9	85	88	88	88	88	822095	808826	<0.2	0.8	<0.2	0.8								
						1.0	0.3	98	17.1	8.1	8.1	30.1	30.1	97.5	97.5	7.9	7.5	9	85	88	88	88	88	88	88	88	88	88	88	88	88	88	88					
						3.6	0.3	81	17.0	8.1	8.1	30.1	30.1	99.1	99.1	8.0	7.8	9	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88				
					Middle	3.6	0.3	86	17.0	8.1	8.1	30.1	30.1	99.1	99.1	8.0	7.8	9	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88			
						6.2	0.3	79	16.9	8.1	8.0	30.2	30.2	101.1	101.2	8.2	7.7	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
						6.2	0.3	85	16.9	8.0	8.0	30.2	30.2	101.2	101.2	8.2	7.7	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90			
					IM10	Fine	Moderate	14:05	7.6	Surface	1.0	0.2	95	17.2	17.2	8.1	8.1	30.0	30.0	97.2	97.2	7.8	7.6	10	85	88	88	88	88	822400	809794	<0.2	0.6	<0.2	0.6			
											1.0	0.2	103	17.2	8.1	8.1	30.0	30.0	97.2	97.2	7.8	7.6	10	84	89	89	89	89	89	89	89	89	89	89	89	89	89	89
											3.8	0.2	85	17.1	8.1	8.1	30.1	30.1	97.2	97.2	7.8	7.4	8	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89
Middle	3.8	0.2	90	17.1						8.1	8.1	30.1	30.1	97.2	97.2	7.8	7.4	8	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89			
	6.6	0.2	47	17.0						8.1	8.1	30.1	30.1	97.6	97.6	7.9	6.9	7	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90				
	6.6	0.2	51	17.0						8.1	8.1	30.1	30.1	97.6	97.6	7.9	7.0	7	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90				
IM11	Fine	Moderate	14:16	8.9						Surface	1.0	0.0	73	17.2	17.2	8.1	8.1	30.2	30.2	98.1	98.1	7.9	6.7	4	85	88	88	88	88	822035	811445	<0.2	0.6	<0.2	0.6			
											1.0	0.0	73	17.2	8.1	8.1	30.2	30.2	98.1	98.1	7.9	6.7	4	85	88	88	88	88	88	88	88	88	88	88	88	88	88	88
											4.5	0.0	74	17.1	8.1	8.1	30.2	30.2	98.2	98.3	7.9	7.0	6	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
					Middle	4.5	0.0	77	17.1	8.1	8.1	30.2	30.2	98.3	98.3	7.9	6.9	7	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89				
						7.9	0.0	38	17.1	8.2	8.2	30.2	30.2	99.5	99.5	8.0	6.9	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
						7.9	0.0	38	17.1	8.2	8.2	30.2	30.2	99.5	99.5	8.0	6.9	9	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
					IM12	Fine	Moderate	14:23	8.6	Surface	1.0	0.2	132	17.3	17.3	8.1	8.1	30.2	30.2	98.3	98.3	7.9	6.0	6	85	88	88	88	88	821474	812055	<0.2	0.6	<0.2	0.7			
											1.0	0.2	142	17.3	8.1	8.1	30.2	30.2	98.3	98.3	7.9	6.0	6	85	88	88	88	88	88	88	88	88	88	88	88	88	88	
											4.3	0.1	140	17.2	8.1	8.1	30.2	30.2	97.9	97.9	7.9	6.0	8	88	88	88	88	88	88	88	88	88	88	88	88	88	88	
Middle	4.3	0.1	144	17.2						8.1	8.1	30.2	30.2	97.9	97.9	7.9	6.0	7	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89	89				
	7.6	0.1	160	17.1						8.1	8.1	30.2	30.2	98.4	98.4	7.9	5.8	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
	7.6	0.1	167	17.1						8.1	8.1	30.2	30.2	98.4	98.4	7.9	5.8	8	90	90	90	90	90	90	90	90	90	90	90	90	90	90	90					
SR1A	Fine	Calm	15:01	5.0						Surface	1.0	-	-	16.9	16.9	8.1	8.1	30.0	30.0	98.9	98.9	8.0	5.3	4	-	-	-	-	-	819983	812655	-	-	-	-			
											1.0	-	-	16.9	16.9	8.1	8.1	30.0	30.0	98.9	98.9	8.0	5.3	4	-	-	-	-	-	-	-	-	-	-	-	-		
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						4.0	-	-	16.9	16.9	8.1	8.1	30.0	30.0	99.3	99.3	8.0	5.3	6	-	-	-	-	-	-	-	-	-	-	-	-	-						
						4.0	-	-	16.9	16.9	8.1	8.1	30.0	30.0	99.3	99.3	8.0	5.3	6	-	-	-	-	-	-	-	-	-	-	-	-	-						
					SR2	Fine	Moderate	15:18	4.5	Surface	1.0	0.0	132	17.2	17.2	8.1	8.1	30.2	30.2	98.9	98.9	7.9	5.8	8	87	87	87	87	88	821441	814182	<0.2	0.7	<0.2	0.7			
											1.0	0.0	137	17.2	8.1	8.1	30.2	30.2	98.9	98.9	7.9	5.8	8	87	87	87	87	87	87	87	87	87	87	87	87	87	87	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
	3.5	0.1	151	17.2						8.1	8.1	30.2	30.2	99.6	99.7	8.0	5.8	7	89	89	89	89	89	89	89	89	89	89	89	89	89	89						
	3.5	0.1	161	17.2						8.1	8.1	30.2	30.2	99.6	99.7	8.0	5.8	6	89	89	89	89	89	89	89	89	89	89	89	89	89							
SR3	Fine	Moderate	13:47	8.7						Surface	1.0	0.3	115	17.1	17.1	8.1	8.1	30.0	30.0	96.7	96.7	7.8	8.0	9	-	-	-	-	-	822162	807558	-	-	-	-			
											1.0	0.3	116	17.1	8.1	8.1	30.0	30.0	96.7	96.7	7.8	8.0	9	-	-	-	-	-	-	-	-	-	-	-	-			
											4.4	0.3	109	17.0	8.1	8.1	30.1	30.1	94.8	94.8	7.6	8.6	8	-	-	-	-	-	-	-	-	-	-	-				
					Middle	4.4	0.3	112	17.0	8.1	8.1	30.1	30.1	94.8	94.8	7.6	8.6	8	-	-	-	-	-	-	-	-	-	-	-	-								
						7.7	0.3	83	16.8	8.1	8.1	30.1	30.1	81.8	81.7	6.6	11.5	8	-	-	-	-	-	-	-	-	-	-	-									
						7.7	0.3	85	16.8	8.1	8.1	30.1	30.1	81.5	81.5	6.6	11.4	8	-	-	-	-	-	-	-	-	-	-	-									
					SR4A	Fine	Moderate	15:00	9.0	Surface	1.0	0.5	254	17.3	17.3	8.1	8.1	31.4	31.4	103.5	103.5	8.2	10.9	7	-	-	-	-	-	817199	807830	-	-	-	-			
											1.0	0.5	269	17.3	8.1	8.1	31.4	31.4	103.5	103.5	8.2	10.9	8	-	-	-	-	-	-	-	-	-	-					
											4.5	0.2	250	17.3	8.1	8.1	31.4	31.4	103.1	103.1	8.2	12.5	10	-	-	-	-	-	-	-	-	-						
Middle	4.5	0.2	270	17.3						8.1	8.1	31.4	31.4	103.1	103.1	8.2	12.5	10	-	-	-	-	-	-	-	-	-	-										
	8.0	0.0	233	17.2						8.1	8.1	31.4	31.4	104.3	104.3	8.3	12.2	12	-	-	-	-	-	-	-	-	-											
	8.0	0.0	239	17.2						8.1	8.1	31.4	31.4	104.3	104.3	8.3	12.2	12	-	-	-	-	-	-	-	-	-											
SR5A	Fine	Moderate	15:16	3.8						Surface	1.0	0.2	122	17.6	17.6	8.1	8.1	31.0	31.0	106.2	106.2	8.4	10.7	9	-	-</												

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

Water Quality Monitoring

Water Quality Monitoring Results on 02 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)				
						Speed (m/s)	Direction	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	Value
C1	Fine	Moderate	10:40	8.0	Surface	1.0	0.1	141	17.0	17.0	8.2	8.2	30.4	30.4	100.0	100.0	8.1	8.0	13.0	9	86	89	815632	804243	<0.2	<0.2	0.9	0.8				
						1.0	0.1	141	17.0	8.2	8.2	30.4	30.4	100.0	100.0	8.0	8.0	13.0	9	86	89	<0.2	<0.2	0.6	0.8							
					Middle	4.0	0.1	109	17.0	17.0	8.2	8.2	30.6	30.6	99.7	99.7	8.0	8.0	13.8	14	89	90	<0.2	<0.2	0.8	0.8						
						4.0	0.1	112	17.0	8.2	8.2	30.6	30.6	99.7	99.7	8.0	8.0	13.8	14	90	90	<0.2	<0.2	0.8	0.8							
					Bottom	7.0	0.0	41	16.9	16.9	8.1	8.1	30.8	30.8	100.6	100.6	8.1	8.1	20.0	19	90	90	<0.2	<0.2	0.8	0.8						
						7.0	0.0	42	16.9	16.9	8.1	8.1	30.8	30.8	100.6	100.6	8.1	8.1	19.6	18	90	90	<0.2	<0.2	0.6	0.6						
C2	Fine	Moderate	11:45	12.1	Surface	1.0	0.3	350	17.0	17.0	8.1	8.1	29.8	29.8	95.8	95.8	7.7	7.7	7.7	12	87	89	825695	806967	<0.2	<0.2	0.6	0.6				
						1.0	0.3	322	17.0	8.1	8.1	29.8	29.8	95.8	95.8	7.7	7.7	7.8	12	87	89	<0.2	<0.2	0.6	0.6							
					Middle	6.1	0.4	28	16.9	16.9	8.1	8.1	29.8	29.8	96.1	96.1	7.8	7.8	7.5	11	89	89	<0.2	<0.2	0.6	0.6						
						6.1	0.4	28	16.9	16.9	8.1	8.1	29.8	29.8	96.1	96.1	7.8	7.8	7.8	11	89	89	<0.2	<0.2	0.7	0.7						
					Bottom	11.1	0.4	346	16.8	16.8	8.1	8.1	29.9	29.9	96.2	96.2	7.8	7.8	10.7	10	90	90	<0.2	<0.2	0.6	0.6						
						11.1	0.4	318	16.8	16.8	8.1	8.1	29.9	29.9	96.3	96.3	7.8	7.8	10.5	10	90	90	<0.2	<0.2	0.6	0.6						
C3	Fine	Rough	09:21	11.4	Surface	1.0	0.3	241	17.0	17.0	8.1	8.1	30.3	30.3	96.1	96.1	7.7	7.7	6.7	9	88	90	822116	817815	<0.2	<0.2	0.8	0.8				
						1.0	0.3	256	17.0	17.0	8.1	8.1	30.3	30.3	95.9	95.9	7.7	7.7	6.9	10	90	90	<0.2	<0.2	0.7	0.7						
					Middle	5.7	0.4	252	17.0	17.0	8.1	8.1	30.3	30.3	95.9	95.9	7.7	7.7	6.8	10	90	90	<0.2	<0.2	0.7	0.7						
						5.7	0.4	256	17.0	17.0	8.1	8.1	30.3	30.3	95.9	95.9	7.7	7.7	6.8	10	92	91	<0.2	<0.2	0.7	0.8						
					Bottom	10.4	0.4	266	17.0	17.0	8.1	8.1	30.3	30.3	97.5	97.5	7.9	7.9	9.8	10	92	91	<0.2	<0.2	0.7	0.8						
						10.4	0.4	271	17.0	17.0	8.1	8.1	30.3	30.3	97.8	97.8	7.9	7.9	9.6	10	91	91	<0.2	<0.2	0.8	0.8						
IM1	Fine	Moderate	11:00	4.8	Surface	1.0	0.2	4	17.1	17.2	8.2	8.2	30.7	30.7	101.1	101.1	8.1	8.1	3.9	7	85	88	817966	807112	<0.2	<0.2	1.0	1.2				
						1.0	0.2	4	17.2	17.2	8.2	8.2	30.7	30.7	101.1	101.1	8.1	8.1	4.0	7	86	88	<0.2	<0.2	1.1	1.1						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.1	345	17.1	17.1	8.2	8.2	30.8	30.8	101.1	101.1	8.1	8.1	5.3	8	89	90	<0.2	<0.2	1.3	1.2						
						3.8	0.1	356	17.1	17.1	8.2	8.2	30.8	30.8	101.1	101.1	8.1	8.1	5.3	8	90	90	<0.2	<0.2	1.2	1.2						
IM2	Fine	Moderate	11:08	6.7	Surface	1.0	0.2	136	17.3	17.3	8.2	8.2	30.6	30.6	99.6	99.6	8.0	8.0	10.5	5	86	89	818165	806171	<0.2	<0.2	0.8	0.9				
						1.0	0.2	146	17.3	17.3	8.2	8.2	30.6	30.6	99.6	99.6	8.0	8.0	10.6	5	86	89	<0.2	<0.2	0.8	0.8						
					Middle	3.4	0.2	122	17.2	17.2	8.2	8.2	30.6	30.6	99.5	99.5	8.0	8.0	11.9	6	89	90	<0.2	<0.2	0.3	0.9						
						3.4	0.2	132	17.2	17.2	8.2	8.2	30.6	30.6	99.5	99.5	8.0	8.0	11.0	6	90	90	<0.2	<0.2	0.3	1.0						
					Bottom	5.7	0.1	113	17.2	17.2	8.1	8.1	30.7	30.7	99.8	99.8	8.0	8.0	12.5	7	90	90	<0.2	<0.2	0.9	0.9						
						5.7	0.2	121	17.2	17.2	8.1	8.1	30.7	30.7	99.9	99.9	8.0	8.0	12.5	6	91	91	<0.2	<0.2	0.9	0.9						
IM3	Fine	Moderate	11:16	7.0	Surface	1.0	0.1	137	17.3	17.3	8.1	8.1	30.6	30.6	99.7	99.7	8.0	8.0	12.1	9	87	89	818798	805615	<0.2	<0.2	1.1	1.3				
						1.0	0.2	146	17.3	17.3	8.1	8.1	30.6	30.6	99.7	99.7	8.0	8.0	12.3	9	87	89	<0.2	<0.2	1.2	1.2						
					Middle	3.5	0.2	136	17.1	17.1	8.1	8.1	30.6	30.6	100.1	100.2	8.0	8.0	12.5	12	90	90	<0.2	<0.2	1.4	1.4						
						3.5	0.2	144	17.1	17.1	8.1	8.1	30.6	30.6	100.2	100.2	8.0	8.0	12.3	12	90	90	<0.2	<0.2	1.4	1.4						
					Bottom	6.0	0.2	121	17.1	17.1	8.1	8.1	30.7	30.7	100.7	100.8	8.1	8.1	15.7	14	91	91	<0.2	<0.2	1.3	1.3						
						6.0	0.2	126	17.1	17.1	8.1	8.1	30.7	30.7	100.8	100.8	8.1	8.1	15.4	14	92	92	<0.2	<0.2	1.2	1.2						
IM4	Fine	Moderate	11:25	8.0	Surface	1.0	0.0	62	17.2	17.2	8.1	8.1	30.5	30.5	99.3	99.3	8.0	8.0	12.2	17	87	88	819747	804590	<0.2	<0.2	1.0	1.2				
						1.0	0.0	63	17.2	17.2	8.1	8.1	30.5	30.5	99.3	99.3	8.0	8.0	12.3	17	88	88	<0.2	<0.2	1.1	1.1						
					Middle	4.0	0.1	69	17.1	17.1	8.1	8.1	30.5	30.5	99.4	99.4	8.0	8.0	16.3	16	90	90	<0.2	<0.2	1.2	1.2						
						4.0	0.1	73	17.1	17.1	8.1	8.1	30.5	30.5	99.4	99.4	8.0	8.0	16.4	16	90	90	<0.2	<0.2	1.1	1.1						
					Bottom	7.0	0.1	84	17.1	17.1	8.1	8.1	30.6	30.6	99.9	99.9	8.0	8.0	17.7	15	91	91	<0.2	<0.2	1.3	1.3						
						7.0	0.1	88	17.1	17.1	8.1	8.1	30.6	30.6	99.9	99.9	8.0	8.0	17.8	15	91	91	<0.2	<0.2	1.2	1.2						
IM5	Fine	Moderate	11:32	7.4	Surface	1.0	0.1	107	17.2	17.2	8.1	8.1	30.5	30.5	99.7	99.7	8.0	8.0	15.6	18	86	89	820753	804848	<0.2	<0.2	1.1	1.2				
						1.0	0.1	117	17.2	17.2	8.1	8.1	30.5	30.5	99.7	99.7	8.0	8.0	15.7	18	86	89	<0.2	<0.2	1.1	1.1						
					Middle	3.7	0.0	107	17.1	17.1	8.1	8.1	30.5	30.5	101.1	101.2	8.1	8.1	17.9	16	90	90	<0.2	<0.2	1.1	1.1						
						3.7	0.0	112	17.1	17.1	8.1	8.1	30.5	30.5	101.2	101.2	8.1	8.1	17.9	17	90	90	<0.2	<0.2	1.2	1.2						
					Bottom	6.4	0.1	82	17.1	17.1	8.1	8.1	30.5	30.5	102.5	102.6	8.2	8.2	18.4	14	91	91	<0.2	<0.2	1.3	1.3						
						6.4	0.1	83	17.1	17.1	8.1	8.1	30.5	30.5	102.6	102.6	8.2	8.2	18.5	14	91	91	<0.2	<0.2	1.4	1.4						
IM6	Fine	Moderate	11:39	7.4	Surface	1.0	0.1	196	17.2	17.2	8.2	8.2	30.7	30.7	101.6	101.6	8.1	8.1	4.6	10	86	89	821070	805810	<0.2	<0.2	1.1	1.1				
						1.0	0.1	213	17.2	17.2	8.2	8.2	30.7	30.7	101.6	101.6	8.1	8.1	4.6	10	86	89	<0.2	<0.2	1.1	1.1						
					Middle	3.7	0.1	177	17.2	17.2	8.2	8.2	30.7	30.7	101.7	101.7	8.1	8.1	4.6	9	89	89	<0.2	<0.2	1.2	1.3						
						3.7	0.1	193	17.2	17.2	8.2	8.2	30.7	30.7	101.7	101.7	8.2	8.2	4.6	9	89	89	<0.2	<0.2	1.3	1.1						
					Bottom	6.4	0.1	138	17.0	17.0	8.1	8.1	30.7	30.7	102.0	102.0	8.2	8.2	5.1	7	91	91	<0.2	<0.2	0.9	0.9						
						6.4	0.1	141	17.0	17.0	8.1	8.1	30.7	30.7	102.0	102.0	8.2	8.2	5.5	7	91	91	<0.2	<0.2	0.9	0.9						
IM7	Fine	Moderate	11:50	8.3	Surface	1.0	0.3	237	17.1	17.1	8.2	8.2	30.7	30.7	99.8	99.9	8.1	8.1	9.3	8	88	89	821341	806812	<0.2	<0.2	1.1	1.0				
						1.0	0.4	249	17.1	17.1	8.2	8.2	30.7	30.7	99.9	99.9	8.1	8.1	9.2	8	88	89	<0.2	<0.2	1.0	1.0						
					Middle	4.2	0.2	209	17.1	17.1	8.2	8.2	30.7	30.7	101.1	101.1	8.2	8.2	9.4	8	89	90	<0.2	<0.2	1.0	1.0						
						4.2	0.2	222	17.1	17.1	8.2	8.2	30.7	30.7	101.1	101.1	8.															

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

Water Quality Monitoring Results on 02 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)							
						Speed (m/s)	Direction	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	Value	DA		
IM9	Fine	Moderate	11:09	6.8	Surface	1.0	0.2	81	16.7	16.7	8.1	8.1	30.2	30.2	97.4	97.4	7.9	7.9	6.6	8	87	88	88	88	822106	808805	<0.2	0.7	<0.2	0.6					
						1.0	0.2	88	16.7	16.7	8.1	8.1	30.2	30.2	97.4	97.4	7.9	7.9	6.5	8	86	87	88	88	822106	808805	<0.2	0.7	<0.2	0.6					
						3.4	0.2	92	16.6	16.6	8.1	8.1	30.2	30.2	97.3	97.3	7.9	7.9	7.2	7	89	89	88	88	822106	808805	<0.2	0.7	<0.2	0.7					
					Middle	3.4	0.2	98	16.6	16.6	8.1	8.1	30.2	30.2	97.3	97.3	7.9	7.9	7.2	7	88	88	88	88	822106	808805	<0.2	0.7	<0.2	0.7					
						5.8	0.2	88	16.6	16.6	8.1	8.1	30.2	30.2	98.9	98.9	8.0	8.1	7.2	7	90	90	88	88	822106	808805	<0.2	0.7	<0.2	0.7					
						5.8	0.2	92	16.6	16.6	8.1	8.1	30.2	30.2	99.2	99.2	8.1	8.1	7.3	7	90	90	88	88	822106	808805	<0.2	0.7	<0.2	0.8					
					IM10	Fine	Moderate	11:01	7.7	Surface	1.0	0.4	317	16.8	16.8	8.2	8.2	30.2	30.2	97.4	97.4	7.9	7.9	7.9	10	86	87	88	88	822377	809803	<0.2	0.8	<0.2	0.7
											1.0	0.4	328	16.8	16.8	8.2	8.2	30.2	30.2	97.4	97.4	7.9	7.9	7.9	10	87	87	88	88	822377	809803	<0.2	0.8	<0.2	0.7
											3.9	0.4	323	16.7	16.7	8.1	8.1	30.2	30.2	97.4	97.4	7.9	7.9	9.4	9	89	89	88	88	822377	809803	<0.2	0.8	<0.2	0.8
Middle	3.9	0.4	349	16.7						16.7	8.1	8.1	30.2	30.2	97.4	97.4	7.9	7.9	9.6	9	88	88	88	88	822377	809803	<0.2	0.9	<0.2	0.9					
	6.7	0.4	318	16.7						16.7	8.2	8.2	30.2	30.2	97.8	97.8	7.9	7.9	11.5	7	89	89	88	88	822377	809803	<0.2	0.8	<0.2	0.7					
	6.7	0.4	329	16.7						16.7	8.2	8.2	30.2	30.2	97.9	97.9	7.9	7.9	11.4	7	90	90	88	88	822377	809803	<0.2	0.8	<0.2	0.7					
IM11	Fine	Moderate	10:50	8.3						Surface	1.0	0.5	318	16.9	16.9	8.1	8.1	30.3	30.3	97.3	97.3	7.9	7.9	9.6	9	86	87	88	88	822044	811459	0.4	0.7	<0.2	0.8
											1.0	0.5	328	16.9	16.9	8.1	8.1	30.3	30.3	97.3	97.3	7.9	7.9	9.5	9	87	87	88	88	822044	811459	0.3	0.7	<0.2	0.8
											4.2	0.5	317	16.8	16.8	8.1	8.1	30.3	30.3	97.6	97.6	7.9	7.9	10.6	12	88	88	88	88	822044	811459	<0.2	0.7	<0.2	0.8
					Middle	4.2	0.5	327	16.8	16.8	8.1	8.1	30.3	30.3	97.7	97.7	7.9	7.9	10.5	13	89	89	88	88	822044	811459	<0.2	0.7	<0.2	0.8					
						7.3	0.4	323	16.8	16.8	8.1	8.1	30.3	30.3	100.4	100.4	8.1	8.1	12.2	14	89	89	88	88	822044	811459	<0.2	0.6	<0.2	0.7					
						7.3	0.4	344	16.8	16.8	8.1	8.1	30.3	30.3	100.6	100.6	8.1	8.1	12.2	13	89	89	88	88	822044	811459	<0.2	0.6	<0.2	0.7					
					IM12	Fine	Moderate	10:45	8.4	Surface	1.0	0.4	288	16.9	16.9	8.2	8.2	30.3	30.3	96.9	96.9	7.8	7.8	11.2	18	87	86	88	88	821477	812047	<0.2	0.6	<0.2	0.6
											1.0	0.5	309	16.9	16.9	8.2	8.2	30.3	30.3	96.9	96.9	7.8	7.8	11.3	18	86	86	88	88	821477	812047	<0.2	0.6	<0.2	0.6
											4.2	0.4	288	16.8	16.8	8.1	8.1	30.3	30.3	97.0	97.0	7.8	7.8	13.7	16	89	89	88	88	821477	812047	<0.2	0.7	<0.2	0.6
Middle	4.2	0.4	301	16.8						16.8	8.1	8.1	30.3	30.3	97.0	97.0	7.8	7.8	13.7	16	88	88	88	88	821477	812047	<0.2	0.7	<0.2	0.6					
	7.4	0.4	294	16.8						16.8	8.2	8.2	30.3	30.3	97.3	97.3	7.9	7.9	14.6	13	91	91	88	88	821477	812047	<0.2	0.6	<0.2	0.6					
	7.4	0.4	314	16.8						16.8	8.2	8.2	30.3	30.3	97.4	97.4	7.9	7.9	14.6	13	90	90	88	88	821477	812047	<0.2	0.6	<0.2	0.6					
SR1A	Fine	Moderate	10:05	4.7						Surface	1.0	-	-	16.7	16.7	8.1	8.1	30.1	30.1	95.4	95.4	7.7	7.7	5.5	9	-	-	-	-	819979	812654	-	-	-	-
											1.0	-	-	16.7	16.7	8.1	8.1	30.1	30.1	95.4	95.4	7.7	7.7	5.5	8	-	-	-	-	819979	812654	-	-	-	-
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7	-	-	-	-	-	819979	812654	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819979	812654	-	-	-	-			
						3.7	-	-	16.7	16.7	8.1	8.1	30.1	30.1	96.7	96.7	7.8	7.8	5.9	6	-	-	-	-	-	-	819979	812654	-	-	-	-			
						3.7	-	-	16.7	16.7	8.1	8.1	30.1	30.1	96.9	96.9	7.9	7.9	5.9	6	-	-	-	-	-	-	819979	812654	-	-	-	-			
					SR2	Fine	Moderate	09:46	3.8	Surface	1.0	0.2	95	16.7	16.7	8.1	8.1	30.3	30.3	97.3	97.3	7.9	7.9	11.6	17	88	88	88	88	821475	814144	<0.2	0.6	<0.2	0.5
											1.0	0.2	99	16.7	16.7	8.1	8.1	30.3	30.3	97.3	97.3	7.9	7.9	11.5	17	88	88	88	88	821475	814144	<0.2	0.5	<0.2	0.5
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	-	821475	814144	<0.2	0.6	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821475	814144	<0.2	0.6	<0.2	0.5			
	2.8	0.2	102	16.7						16.7	8.2	8.2	30.3	30.3	98.4	98.4	8.0	8.0	14.7	13	91	91	88	88	821475	814144	<0.2	0.5	<0.2	0.6					
	2.8	0.2	104	16.7						16.7	8.2	8.2	30.3	30.3	98.5	98.5	8.0	8.0	15.0	13	90	90	88	88	821475	814144	<0.2	0.6	<0.2	0.6					
SR3	Fine	Moderate	11:23	8.6						Surface	1.0	0.1	51	17.3	17.3	8.1	8.1	30.0	30.0	96.1	96.1	7.7	7.7	8.4	10	-	-	-	-	822137	807569	-	-	-	-
											1.0	0.1	53	17.3	17.3	8.1	8.1	30.0	30.0	96.1	96.1	7.7	7.7	8.4	10	-	-	-	-	822137	807569	-	-	-	-
											4.3	0.1	47	17.1	17.1	8.1	8.1	30.0	30.0	95.5	95.5	7.7	7.7	9.2	10	-	-	-	-	822137	807569	-	-	-	-
					Middle	4.3	0.2	49	17.1	17.1	8.1	8.1	30.0	30.0	95.6	95.6	7.7	7.7	9.3	10	-	-	-	-	822137	807569	-	-	-	-					
						7.6	0.1	35	17.1	17.1	8.0	8.0	30.0	30.0	97.5	97.5	7.8	7.8	9.6	8	-	-	-	-	822137	807569	-	-	-	-					
						7.6	0.1	36	17.1	17.1	8.0	8.0	30.0	30.0	97.7	97.7	7.9	7.9	9.6	8	-	-	-	-	822137	807569	-	-	-	-					
					SR4A	Fine	Moderate	10:14	8.9	Surface	1.0	0.1	221	17.0	17.0	8.2	8.2	30.4	30.4	98.4	98.4	7.9	7.9	3.4	7	-	-	-	-	817209	807809	-	-	-	-
											1.0	0.1	234	17.0	17.0	8.2	8.2	30.4	30.4	98.4	98.4	7.9	7.9	3.4	6	-	-	-	-	817209	807809	-	-	-	-
											4.5	0.2	63	16.9	16.9	8.2	8.2	30.4	30.4	98.4	98.4	7.9	7.9	4.2	8	-	-	-	-	817209	807809	-	-	-	-
Middle	4.5	0.2	64	16.9						16.9	8.2	8.2	30.4	30.4	98.4	98.4	7.9	7.9	4.2	8	-	-	-	-	817209	807809	-	-	-	-					
	7.9	0.1	69	16.8						16.8	8.1	8.1	30.6	30.6	98.9	98.9	8.0	8.0	4.3	9	-	-	-	-	817209	807809	-	-	-	-					
	7.9	0.1	73	16.8						16.8	8.1	8.1	30.6	30.6	98.9	98.9	8.0	8.0	4.2	9	-	-	-	-	817209	807809	-	-	-	-					
SR5A	Fine	Moderate	09:56	3.2						Surface	1.0	0.1	26	17.1	17.1	8.2	8.2	30.3	30.3	98.6	98.6	7.9	7.9	11.2	9	-	-	-	-	816608	810706	-	-	-	-
											1.0	0.1	26	17.1	17.1	8.2	8.2	30.3	30.3	98.6	98.6	7.9	7.9	11.2	10	-	-	-	-	816608	810706	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	-	-	-	816608	810706	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816608	810706	-	-	-	-			
						2.2	0.1	34	17.1	17.1	8.2	8.2	30.4	30.4	98.7	98.7	7.9	7.9	11.1	13	-	-	-	-	816608	810706	-	-	-	-					
						2.2	0.1	35	17.0	17.1	8.2	8.2	30.4	30.4	98.7	98.7	7.9	7.9	11.5	13</															

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA				
C1	Sunny	Calm	18:01	8.6	Surface	1.0	0.2	42	17.2	17.2	8.1	8.1	29.4	29.4	101.8	101.8	8.2	8.2	6.0	6.0	8	8	84	84	88	88	815640	804246	<0.2	1.0	<0.2	0.9							
						1.0	0.2	46	17.2	8.1	8.1	29.4	29.4	101.7	101.7	8.2	8.2	6.1	6.1	9	9	84	84	88	88	<0.2			0.9	<0.2	0.9								
						4.3	0.0	108	17.3	8.1	8.1	30.3	30.3	100.7	100.7	8.1	8.1	8.3	8.3	8	8	88	88	88	88	<0.2			1.0	<0.2	0.9								
					Middle	4.3	0.0	114	17.3	8.1	8.1	30.3	30.3	100.8	100.8	8.1	8.1	8.3	8.3	8	8	88	88	88	88	88			88	<0.2	1.0	<0.2	0.9						
						7.6	0.0	140	17.3	8.1	8.1	30.4	30.4	100.7	100.7	8.1	8.1	10.4	10.4	7	7	93	93	93	93	<0.2			0.9	<0.2	0.9								
						7.6	0.0	152	17.3	8.1	8.1	30.4	30.4	100.7	100.7	8.1	8.1	10.4	10.4	6	6	93	93	93	93	<0.2			0.9	<0.2	0.9								
					C2	Fine	Moderate	16:08	11.6	Surface	1.0	0.3	3	17.8	17.8	8.3	8.3	31.5	31.5	103.5	103.5	8.2	8.2	4.2	4.2	7			7	87	87	88	88	825669	806930	<0.2	0.8	<0.2	0.8
											1.0	0.3	3	17.8	8.3	8.3	31.5	31.5	103.5	103.5	8.2	8.2	4.2	4.2	7	7			87	87	89	89	<0.2			0.8	<0.2	0.8	
											5.8	0.3	13	17.8	8.3	8.3	31.7	31.7	102.5	102.5	8.1	8.1	5.5	5.5	6	6			89	89	90	90	<0.2			0.8	<0.2	0.8	
Middle	5.8	0.3	13	17.8						8.3	8.3	31.7	31.7	102.5	102.5	8.1	8.1	5.5	5.5	6	6	89	89	90	90	<0.2	0.8	<0.2	0.8										
	10.6	0.2	51	17.8						8.3	8.3	31.8	31.8	101.5	101.5	8.0	8.0	5.3	5.3	4	4	93	93	94	94	<0.2	1.0	<0.2	0.9										
	10.6	0.2	54	17.8						8.3	8.3	31.8	31.8	101.5	101.5	8.0	8.0	5.3	5.3	4	4	94	94	94	94	<0.2	0.9	<0.2	0.9										
C3	Fine	Moderate	18:12	12.6						Surface	1.0	0.3	88	18.0	18.0	8.3	8.3	31.9	31.9	96.6	96.6	7.6	7.6	2.0	2.0	5	5	86	86	89	89	822121	817804			<0.2	1.1	<0.2	1.1
											1.0	0.4	95	18.0	8.3	8.3	31.9	31.9	96.6	96.6	7.6	7.6	2.0	2.0	5	5	86	86	89	89	<0.2					1.0	<0.2	1.0	
											6.3	0.3	89	18.1	8.2	8.2	32.0	32.0	96.0	96.0	7.5	7.5	2.3	2.3	5	5	89	89	90	90	<0.2					1.0	<0.2	1.0	
					Middle	6.3	0.3	91	18.1	8.2	8.2	32.0	32.0	96.0	96.0	7.5	7.5	2.3	2.3	5	5	89	89	90	90	<0.2	1.0	<0.2	1.0										
						11.6	0.2	88	18.1	8.2	8.2	32.1	32.1	96.9	96.9	7.6	7.6	2.2	2.2	5	5	90	90	91	91	<0.2	1.0	<0.2	0.9										
						11.6	0.2	95	18.1	8.2	8.2	32.1	32.1	96.9	96.9	7.6	7.6	2.2	2.2	4	4	91	91	91	91	<0.2	0.9	<0.2	0.9										
					IM1	Sunny	Calm	17:39	5.1	Surface	1.0	0.0	357	17.5	17.5	8.1	8.1	29.5	29.5	106.7	106.7	8.6	8.6	7.6	7.6	5	5	84	84	88	88			817936	807111	<0.2	0.9	<0.2	0.8
											1.0	0.0	328	17.5	8.1	8.1	29.5	29.5	106.7	106.7	8.6	8.6	7.7	7.7	5	5	84	84	88	88	<0.2					0.8	<0.2	0.8	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-			
	4.1	0.0	216	17.3						8.1	8.1	29.6	29.6	106.6	106.6	8.6	8.6	5.4	5.4	6	6	91	91	91	91	<0.2	0.9	<0.2	0.9										
	4.1	0.0	218	17.3						8.1	8.1	29.6	29.6	106.6	106.6	8.6	8.6	5.5	5.5	6	6	91	91	91	91	<0.2	0.9	<0.2	0.9										
IM2	Sunny	Calm	17:31	7.1						Surface	1.0	0.1	358	17.2	17.2	8.1	8.1	29.6	29.6	102.9	102.9	8.3	8.3	7.4	7.4	5	5	85	85	89	89	818182	806158			<0.2	1.0	<0.2	0.8
											1.0	0.1	329	17.2	8.1	8.1	29.6	29.6	102.9	102.9	8.3	8.3	7.4	7.4	5	5	85	85	89	89	<0.2					0.8	<0.2	0.8	
											3.6	0.1	291	17.1	8.1	8.1	29.7	29.7	102.6	102.6	8.3	8.3	8.6	8.6	6	6	89	89	90	90	<0.2					0.8	<0.2	0.8	
					Middle	3.6	0.1	316	17.1	8.1	8.1	29.7	29.7	102.6	102.6	8.3	8.3	8.6	8.6	6	6	89	89	90	90	<0.2	0.8	<0.2	0.8										
						6.1	0.1	259	17.1	8.1	8.1	29.9	29.9	103.0	103.0	8.3	8.3	7.8	7.8	7	7	92	92	92	92	<0.2	0.8	<0.2	0.8										
						6.1	0.1	275	17.1	8.1	8.1	29.9	29.9	103.1	103.1	8.3	8.3	7.8	7.8	7	7	92	92	92	92	<0.2	0.8	<0.2	0.8										
					IM3	Sunny	Calm	17:25	7.3	Surface	1.0	0.2	23	17.3	17.3	8.1	8.1	29.5	29.5	103.1	103.1	8.3	8.3	6.4	6.4	4	4	85	85	89	89			818786	805608	<0.2	1.0	<0.2	0.9
											1.0	0.2	25	17.3	8.1	8.1	29.5	29.5	103.0	103.0	8.3	8.3	6.4	6.4	4	4	84	84	89	89	<0.2					0.9	<0.2	0.9	
											3.7	0.1	36	17.2	8.1	8.1	29.5	29.5	102.6	102.6	8.3	8.3	6.6	6.6	5	5	89	89	90	90	<0.2					0.9	<0.2	0.9	
Middle	3.7	0.1	38	17.2						8.1	8.1	29.5	29.5	102.6	102.6	8.3	8.3	6.6	6.6	5	5	89	89	90	90	<0.2	0.9	<0.2	0.9										
	6.3	0.1	297	17.1						8.1	8.1	30.0	30.0	102.1	102.1	8.2	8.2	8.3	8.3	6	6	93	93	93	93	<0.2	0.9	<0.2	0.9										
	6.3	0.1	318	17.1						8.1	8.1	30.0	30.0	102.1	102.1	8.2	8.2	8.3	8.3	6	6	93	93	93	93	<0.2	1.0	<0.2	0.9										
IM4	Sunny	Calm	17:15	8.2						Surface	1.0	0.2	8	17.1	17.1	8.1	8.1	29.3	29.3	101.6	101.6	8.2	8.2	6.6	6.6	4	4	82	82	88	88	819716	804586			<0.2	0.9	<0.2	0.9
											1.0	0.2	8	17.1	8.1	8.1	29.3	29.3	101.6	101.6	8.2	8.2	6.6	6.6	4	4	82	82	88	88	<0.2					0.9	<0.2	0.9	
											4.1	0.1	332	17.0	8.1	8.1	29.7	29.7	100.4	100.4	8.1	8.1	7.2	7.2	5	5	89	89	90	90	<0.2					0.9	<0.2	0.9	
					Middle	4.1	0.1	339	17.0	8.1	8.1	29.7	29.7	100.4	100.4	8.1	8.1	7.3	7.3	5	5	89	89	90	90	<0.2	0.9	<0.2	0.9										
						7.2	0.1	303	17.0	8.1	8.1	29.9	29.9	100.8	100.8	8.1	8.1	7.7	7.7	5	5	93	93	93	93	<0.2	0.9	<0.2	0.9										
						7.2	0.1	330	17.0	8.1	8.1	29.9	29.9	100.8	100.8	8.1	8.1	7.8	7.8	5	5	93	93	93	93	<0.2	0.9	<0.2	0.9										
					IM5	Sunny	Calm	17:02	7.2	Surface	1.0	0.3	3	17.1	17.1	8.1	8.1	29.7	29.7	101.1	101.1	8.2	8.2	7.9	7.9	5	5	84	84	88	88			820734	804848	<0.2	0.8	<0.2	0.9
											1.0	0.4	3	17.0	8.1	8.1	29.7	29.7	101.0	101.0	8.2	8.2	8.5	8.5	5	5	84	84	88	88	<0.2					0.9	<0.2	0.8	
											3.6	0.3	4	17.0	8.1	8.1	29.7	29.7	100.9	100.9	8.1	8.1	8.8	8.8	5	5	88	88	90	90	<0.2					0.9	<0.2	0.8	
Middle	3.6	0.3	4	17.0						8.1	8.1	29.7	29.7	100.9	100.9	8.1	8.1	8.8	8.8	5	5	88	88	90	90	<0.2	0.9	<0.2	0.8										
	6.2	0.2	1	17.0						8.1	8.1	29.7	29.7	101.2	101.2	8.2	8.2	9.0	9.0	5	5	93	93	93	93	<0.2	0.9	<0.2	0.9										
	6.2	0.3	1	17.0						8.1	8.1	29.7	29.7	101.2	101.2																								

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	16:43	7.0	Surface	1.0	0.2	70	17.7	17.7	8.2	8.2	30.9	30.9	101.7	101.7	8.0	8.0	3.0	3.0	5	86	88	822082	808826	<0.2	0.8	0.9	0.9			
						1.0	0.3	70	17.7	8.2	8.2	30.9	30.9	101.7	101.7	8.0	8.0	3.0	3.0	4	86	88			<0.2	0.8	0.9	0.9				
					Middle	3.5	0.2	56	17.6	8.2	8.2	31.0	31.0	101.4	101.4	8.0	8.0	2.9	2.9	4	88	89	4	88	89			<0.2	0.8	0.9	0.9	
						3.5	0.2	57	17.6	8.2	8.2	31.0	31.0	101.4	101.4	8.0	8.0	2.9	2.9	4	87	89	4	87	89			<0.2	0.8	0.9	0.9	
					Bottom	6.0	0.3	43	17.7	8.2	8.2	31.0	31.0	101.1	101.1	8.0	8.0	3.0	3.0	3	89	90	3	89	90			<0.2	1.0	1.0	1.0	1.0
						6.0	0.3	43	17.7	8.2	8.2	31.0	31.0	101.1	101.1	8.0	8.0	3.0	3.0	3	90	90	3	90	90			<0.2	0.9	0.9	0.9	0.9
IM10	Fine	Moderate	16:49	8.4	Surface	1.0	0.3	66	17.8	17.8	8.3	8.3	31.0	31.0	103.7	103.7	8.2	8.2	2.4	2.4	3	85	89	822385	809813	<0.2	0.9	0.9	0.9			
						1.0	0.3	69	17.8	8.3	8.3	31.0	31.0	103.7	103.7	8.2	8.2	2.4	2.4	2	86	89	2	86	89			<0.2	0.9	0.9	0.9	
					Middle	4.2	0.2	62	17.7	8.3	8.3	31.2	31.2	102.9	102.9	8.1	8.1	2.9	2.9	3	89	90	3	89	90			<0.2	0.8	0.8	0.8	
						4.2	0.2	64	17.7	8.3	8.3	31.2	31.2	102.9	102.9	8.1	8.1	2.9	2.9	3	89	90	3	89	90			<0.2	0.8	0.8	0.8	
					Bottom	7.4	0.1	46	17.7	8.3	8.3	31.5	31.5	101.6	101.6	8.0	8.0	2.6	2.6	4	93	92	4	93	92			<0.2	0.8	0.8	0.8	
						7.4	0.1	48	17.7	8.3	8.3	31.5	31.5	101.6	101.6	8.0	8.0	2.6	2.6	3	92	92	3	92	92			<0.2	0.9	0.9	0.9	
IM11	Fine	Moderate	17:00	7.7	Surface	1.0	0.1	153	17.8	17.8	8.3	8.3	31.6	31.6	103.0	103.0	8.1	8.1	2.3	2.3	3	87	89	822042	811469	<0.2	1.1	1.1	1.0			
						1.0	0.1	162	17.8	8.3	8.3	31.6	31.6	103.0	103.0	8.1	8.1	2.3	2.3	4	87	89	4	87	89			<0.2	1.1	1.1	1.0	
					Middle	3.9	0.1	92	17.8	8.3	8.3	31.6	31.6	102.0	102.0	8.0	8.0	2.5	2.5	2	90	89	2	90	89			<0.2	1.0	1.0	1.0	
						3.9	0.1	100	17.8	8.3	8.3	31.6	31.6	102.0	102.0	8.0	8.0	2.5	2.5	3	89	90	3	89	90			<0.2	1.0	1.0	1.0	
					Bottom	6.7	0.1	87	17.8	8.3	8.3	31.6	31.6	101.8	101.8	8.0	8.0	2.6	2.6	2	92	90	2	92	90			<0.2	1.0	1.0	1.0	
						6.7	0.1	89	17.8	8.3	8.3	31.6	31.6	101.8	101.8	8.0	8.0	2.6	2.6	2	90	90	2	90	90			<0.2	0.9	0.9	0.9	
IM12	Fine	Moderate	17:07	8.3	Surface	1.0	0.1	140	17.8	17.8	8.3	8.3	31.6	31.6	103.2	103.2	8.1	8.1	2.9	2.9	4	85	87	821447	812031	<0.2	0.9	1.0	1.0			
						1.0	0.1	147	17.8	8.3	8.3	31.6	31.6	103.2	103.2	8.1	8.1	2.9	2.9	4	85	87	4	85	87			<0.2	1.0	1.0		
					Middle	4.2	0.1	151	17.8	8.3	8.3	31.6	31.6	102.2	102.2	8.0	8.0	2.4	2.4	5	86	88	5	86	88			<0.2	1.0	1.0	1.0	
						4.2	0.1	159	17.8	8.3	8.3	31.6	31.6	102.2	102.2	8.0	8.0	2.4	2.4	4	88	90	4	88	90			<0.2	1.1	1.1		
					Bottom	7.3	0.1	139	17.7	8.3	8.3	31.6	31.6	101.4	101.4	8.0	8.0	2.5	2.5	5	90	90	5	90	90			<0.2	1.0	1.0	1.0	
						7.3	0.1	145	17.7	8.3	8.3	31.6	31.6	101.4	101.4	8.0	8.0	2.5	2.5	5	90	90	5	90	90			<0.2	1.1	1.1	1.1	
SR1A	Fine	Moderate	17:37	4.9	Surface	1.0	-	-	17.8	17.8	8.3	8.3	31.7	31.7	102.9	102.9	8.1	8.1	2.9	2.9	6	-	-	819980	812663	-	-	-	-			
						1.0	-	-	17.8	17.8	8.3	8.3	31.7	31.7	102.9	102.9	8.1	8.1	2.9	2.9	6	-	-	6	-	-			-	-		
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Bottom	3.9	-	-	17.9	17.9	8.3	8.3	31.8	31.8	102.4	102.4	8.0	8.0	3.1	3.1	5	-	-	5	-	-			-	-	-	-
						3.9	-	-	17.9	17.9	8.3	8.3	31.8	31.8	102.4	102.4	8.0	8.0	3.1	3.1	5	-	-	5	-	-			-	-	-	-
SR2	Fine	Moderate	17:51	4.2	Surface	1.0	0.1	59	17.7	17.7	8.3	8.3	31.7	31.7	101.4	101.4	8.0	8.0	2.6	2.6	5	89	88	821484	814149	<0.2	1.0	1.0	1.0			
						1.0	0.1	61	17.7	8.3	8.3	31.7	31.7	101.4	101.4	8.0	8.0	2.6	2.6	5	88	90	5	88	90			<0.2	1.0	1.0		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					Bottom	3.2	0.1	68	17.7	8.3	8.3	31.7	31.7	101.0	101.0	8.0	8.0	2.6	2.6	3	91	90	3	91	90			<0.2	0.8	0.8	0.8	
						3.2	0.1	71	17.7	8.3	8.3	31.7	31.7	101.0	101.0	8.0	8.0	2.6	2.6	3	90	90	3	90	90			<0.2	1.0	1.0	1.0	
SR3	Fine	Moderate	16:28	8.4	Surface	1.0	0.5	71	17.9	17.9	8.3	8.3	30.9	30.9	103.6	103.5	8.2	8.2	2.8	2.8	5	-	-	822166	807590	-	-	-	-			
						1.0	0.6	73	17.9	8.3	8.3	30.9	30.9	103.4	103.5	8.2	8.2	2.8	2.8	6	-	-	6	-	-			-	-			
					Middle	4.2	0.5	64	17.8	8.3	8.3	31.0	31.0	103.0	103.0	8.1	8.1	3.5	3.5	4	-	-	4	-	-			-	-	-	-	
						4.2	0.5	68	17.8	8.3	8.3	31.0	31.0	103.0	103.0	8.1	8.1	3.5	3.5	4	-	-	4	-	-			-	-	-	-	
					Bottom	7.4	0.4	69	17.7	8.3	8.3	31.2	31.2	102.5	102.5	8.1	8.1	4.7	4.7	3	-	-	3	-	-			-	-	-	-	
						7.4	0.5	74	17.7	8.3	8.3	31.2	31.2	102.5	102.5	8.1	8.1	4.7	4.7	3	-	-	3	-	-			-	-	-	-	
SR4A	Sunny	Calm	18:23	9.2	Surface	1.0	0.3	69	17.3	17.3	8.1	8.1	29.4	29.4	105.4	105.4	8.5	8.5	5.6	5.6	4	-	-	817182	807801	-	-	-	-			
						1.0	0.3	75	17.3	8.1	8.1	29.4	29.4	105.4	105.4	8.5	8.5	5.6	5.6	5	-	-	5	-	-			-	-			
					Middle	4.6	0.2	62	17.2	8.1	8.1	29.6	29.6	103.9	104.0	8.4	8.4	5.7	5.7	5	-	-	5	-	-			-	-	-	-	
						4.6	0.2	67	17.2	8.1	8.1	29.6	29.6	104.0	104.0	8.4	8.4	5.7	5.7	5	-	-	5	-	-			-	-	-	-	
					Bottom	8.2	0.2	50	17.2	8.1	8.1	29.6	29.6	103.9	103.9	8.4	8.4	5.9	5.9	5	-	-	5	-	-			-	-	-	-	
						8.2	0.2	53	17.2	8.1	8.1	29.6	29.6	103.9	103.9	8.4	8.4	5.9	5.9	6	-	-	6	-	-			-	-	-	-	
SR5A	Sunny	Calm	18:39	4.1	Surface	1.0	0.0	45	17.3	17.3	8.1	8.1	30.3	30.3	104.0	104.0	8.3	8.3	7.7	7.7	4	-	-	816611	810708	-	-	-	-			
						1.0	0.0	45	17.3	8.1	8.1	30.3	30.3	104.0	104.0	8.3	8.3	7.6	7													

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Calm	12:28	8.2	Surface	1.0	0.3	41	17.0	17.0	8.1	8.1	29.3	29.3	100.0	100.0	8.1	8.1	6.9	6.9	7	86	89	815629	804260	<0.2	0.7	0.7	0.7				
						1.0	0.3	44	17.0	17.0	8.1	8.1	29.3	29.3	100.0	100.0	8.1	8.1	6.9	6.9	6	86	89	815629	804260	<0.2	0.7	0.7	0.7				
					Middle	4.1	0.3	35	17.0	17.0	8.1	8.1	29.7	29.7	99.2	99.2	8.0	8.0	9.2	9.2	6	88	89	815629	804260	<0.2	0.7	0.7	0.7				
						4.1	0.3	36	17.0	17.0	8.1	8.1	29.7	29.7	99.2	99.2	8.0	8.0	9.2	9.2	6	87	89	815629	804260	<0.2	0.7	0.7	0.7				
					Bottom	7.2	0.3	30	17.0	17.0	8.1	8.1	29.9	29.9	98.9	98.9	8.0	8.0	9.8	9.8	6	93	89	815629	804260	<0.2	0.7	0.7	0.7				
						7.2	0.3	31	17.0	17.0	8.1	8.1	29.9	29.9	98.9	98.9	8.0	8.0	10.8	10.8	6	93	89	815629	804260	<0.2	0.7	0.7	0.7				
C2	Fine	Moderate	13:19	12.0	Surface	1.0	0.2	12	17.8	17.8	8.2	8.2	30.8	30.8	100.8	100.8	8.0	8.0	2.7	2.7	3	87	89	825658	806955	<0.2	0.8	0.8	0.8				
						1.0	0.2	13	17.8	17.8	8.2	8.2	30.8	30.8	100.8	100.8	8.0	8.0	2.7	2.7	3	86	89	825658	806955	<0.2	0.8	0.8	0.8				
					Middle	6.0	0.2	23	17.7	17.7	8.2	8.2	30.9	30.9	100.6	100.6	8.0	8.0	4.4	4.4	4	88	89	825658	806955	<0.2	0.8	0.8	0.8				
						6.0	0.3	23	17.7	17.7	8.2	8.2	30.9	30.9	100.6	100.6	8.0	8.0	4.4	4.4	4	89	89	825658	806955	<0.2	0.8	0.8	0.8				
					Bottom	11.0	0.2	35	17.7	17.7	8.2	8.2	31.2	31.2	99.8	99.8	7.9	7.9	6.0	6.0	5	91	89	825658	806955	<0.2	0.9	0.9	0.9				
						11.0	0.2	35	17.7	17.7	8.2	8.2	31.2	31.2	99.8	99.8	7.9	7.9	6.0	6.0	5	91	89	825658	806955	<0.2	0.9	0.9	0.9				
C3	Fine	Moderate	11:10	11.4	Surface	1.0	0.3	264	17.6	17.6	8.2	8.2	31.5	31.5	100.0	100.0	7.9	7.9	2.7	2.7	4	86	90	822090	817816	<0.2	1.0	0.9	0.9				
						1.0	0.3	270	17.6	17.6	8.2	8.2	31.7	31.7	99.4	99.4	7.9	7.9	4.6	4.6	5	91	90	822090	817816	<0.2	0.9	0.9	0.9				
					Middle	5.7	0.4	271	17.6	17.6	8.3	8.3	31.7	31.7	99.4	99.4	7.9	7.9	4.6	4.6	5	91	90	822090	817816	<0.2	0.9	0.9	0.9				
						5.7	0.4	275	17.6	17.6	8.3	8.3	31.7	31.7	99.4	99.4	7.9	7.9	4.6	4.6	5	91	90	822090	817816	<0.2	0.9	0.9	0.9				
					Bottom	10.4	0.3	278	17.6	17.6	8.3	8.3	31.7	31.7	99.6	99.6	7.9	7.9	6.4	6.4	5	93	90	822090	817816	<0.2	1.0	0.9	0.9				
						10.4	0.3	280	17.6	17.6	8.3	8.3	31.7	31.7	99.6	99.6	7.9	7.9	6.4	6.4	5	93	90	822090	817816	<0.2	0.9	0.9	0.9				
IM1	Cloudy	Calm	12:47	4.1	Surface	1.0	0.1	326	17.2	17.2	8.1	8.1	30.1	30.1	102.8	102.8	8.3	8.3	6.0	6.0	6	85	89	817966	807117	<0.2	0.8	0.9	0.9				
						1.0	0.1	341	17.2	17.2	8.1	8.1	30.1	30.1	102.8	102.8	8.3	8.3	6.0	6.0	6	85	89	817966	807117	<0.2	0.9	0.9	0.9				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.1	0.1	299	17.2	17.2	8.1	8.1	30.1	30.1	102.8	102.8	8.3	8.3	6.1	6.1	8	94	89	817966	807117	<0.2	0.8	0.9	0.9				
						3.1	0.1	324	17.2	17.2	8.1	8.1	30.1	30.1	102.8	102.8	8.3	8.3	6.1	6.1	8	93	89	817966	807117	<0.2	0.9	0.9	0.9				
IM2	Cloudy	Calm	12:56	6.8	Surface	1.0	0.3	9	17.1	17.1	8.1	8.1	29.3	29.3	101.4	101.4	8.2	8.2	6.7	6.7	8	85	89	818182	806148	<0.2	1.0	0.9	0.9				
						1.0	0.3	9	17.1	17.1	8.1	8.1	29.3	29.3	101.4	101.4	8.2	8.2	6.7	6.7	8	85	89	818182	806148	<0.2	0.9	0.9	0.9				
					Middle	3.4	0.2	351	16.9	16.9	8.1	8.1	29.9	29.9	100.5	100.5	8.1	8.1	7.4	7.4	7	90	89	818182	806148	<0.2	0.9	0.9	0.9				
						3.4	0.2	323	16.9	16.9	8.1	8.1	29.9	29.9	100.5	100.5	8.1	8.1	7.5	7.5	7	89	89	818182	806148	<0.2	0.9	0.9	0.9				
					Bottom	5.8	0.2	325	16.9	16.9	8.1	8.1	30.1	30.1	100.5	100.5	8.1	8.1	7.8	7.8	7	93	89	818182	806148	<0.2	0.9	0.9	0.9				
						5.8	0.2	353	16.9	16.9	8.1	8.1	30.1	30.1	100.5	100.5	8.1	8.1	7.7	7.7	6	93	89	818182	806148	<0.2	1.0	0.9	0.9				
IM3	Cloudy	Calm	13:04	7.2	Surface	1.0	0.3	350	17.0	17.0	8.1	8.1	29.6	29.6	100.4	100.4	8.1	8.1	7.4	7.4	7	86	89	818802	805587	<0.2	1.0	1.0	1.0				
						1.0	0.3	322	17.0	17.0	8.1	8.1	29.6	29.6	100.3	100.3	8.1	8.1	7.4	7.4	7	86	89	818802	805587	<0.2	1.0	1.0	1.0				
					Middle	3.6	0.3	319	16.9	16.9	8.1	8.1	29.9	29.9	99.7	99.7	8.1	8.1	8.9	8.9	7	89	89	818802	805587	0.2	1.0	1.0	1.0				
						3.6	0.3	321	16.9	16.9	8.1	8.1	29.9	29.9	99.7	99.7	8.1	8.1	9.0	9.0	6	89	89	818802	805587	0.2	1.0	1.0	1.0				
					Bottom	6.2	0.3	305	16.9	16.9	8.1	8.1	29.9	29.9	99.8	99.8	8.1	8.1	9.8	9.8	6	92	89	818802	805587	<0.2	0.9	0.9	0.9				
						6.2	0.3	330	16.9	16.9	8.1	8.1	29.9	29.9	99.8	99.8	8.1	8.1	9.8	9.8	6	92	89	818802	805587	<0.2	0.9	0.9	0.9				
IM4	Cloudy	Calm	13:13	8.3	Surface	1.0	0.5	353	17.0	17.0	8.1	8.1	29.3	29.3	100.2	100.2	8.1	8.1	7.1	7.1	7	86	89	819716	804628	<0.2	0.8	0.9	0.9				
						1.0	0.5	325	17.0	17.0	8.1	8.1	29.3	29.3	100.2	100.2	8.1	8.1	7.1	7.1	7	86	89	819716	804628	<0.2	0.9	0.9	0.9				
					Middle	4.2	0.4	340	16.9	16.9	8.1	8.1	29.9	29.9	99.9	99.9	8.1	8.1	7.5	7.5	6	89	89	819716	804628	<0.2	0.8	0.9	0.9				
						4.2	0.4	313	16.9	16.9	8.1	8.1	29.9	29.9	99.9	99.9	8.1	8.1	7.6	7.6	6	89	89	819716	804628	<0.2	0.8	0.9	0.9				
					Bottom	7.3	0.3	337	16.9	16.9	8.1	8.1	29.9	29.9	100.0	100.0	8.1	8.1	7.4	7.4	6	93	89	819716	804628	<0.2	1.0	0.9	0.9				
						7.3	0.4	337	16.9	16.9	8.1	8.1	29.9	29.9	100.0	100.0	8.1	8.1	7.3	7.3	6	93	89	819716	804628	<0.2	0.9	0.9	0.9				
IM5	Cloudy	Calm	13:20	7.6	Surface	1.0	0.6	12	17.0	17.0	8.1	8.1	29.6	29.6	101.1	101.1	8.2	8.2	7.6	7.6	6	85	89	820711	804846	<0.2	0.9	1.0	0.9				
						1.0	0.6	12	17.0	17.0	8.1	8.1	29.6	29.6	101.1	101.1	8.2	8.2	7.6	7.6	6	86	89	820711	804846	<0.2	0.9	1.0	0.9				
					Middle	3.8	0.5	11	17.0	17.0	8.1	8.1	29.7	29.7	100.8	100.8	8.1	8.1	8.4	8.4	6	88	89	820711	804846	<0.2	0.9	0.9	0.9				
						3.8	0.6	11	17.0	17.0	8.1	8.1	29.7	29.7	100.8	100.8	8.1	8.1	8.5	8.5	6	88	89	820711	804846	<0.2	0.9	0.9	0.9				
					Bottom	6.6	0.4	11	17.0	17.0	8.1	8.1	29.8	29.8	101.7	101.7	8.2	8.2	9.4	9.4	7	93	89	820711	804846	<0.2	0.9	0.9	0.9				
						6.6	0.4	11	17.0	17.0	8.1	8.1	29.8																				

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	12:45	7.0	Surface	1.0	0.1	142	17.7	17.7	8.3	8.3	31.3	31.3	101.4	101.4	8.0	8.0	3.1	3.1	7	7	86	86	89	822103	808788	<0.2	<0.2	0.9	0.9								
						1.0	0.1	146	17.7	17.7	8.3	8.3	31.3	31.3	101.4	101.4	8.0	8.0	3.1	3.1	7	7	87	87				<0.2	<0.2	0.9	0.9								
						3.5	0.1	152	17.7	17.7	8.3	8.3	31.3	31.3	101.0	101.0	8.0	8.0	3.3	3.3	8	8	90	90				<0.2	<0.2	0.9	0.9								
					Middle	3.5	0.1	160	17.7	17.7	8.3	8.3	31.3	31.3	101.0	101.0	8.0	8.0	3.3	3.3	8	8	90	90				8	8	89	89	<0.2	<0.2	0.9	0.9				
						6.0	0.1	149	17.6	17.6	8.3	8.3	31.3	31.3	100.5	100.5	7.9	7.9	3.5	3.5	8	8	91	91				8	8	89	89	<0.2	<0.2	0.9	0.9				
						6.0	0.1	150	17.6	17.6	8.3	8.3	31.3	31.3	100.5	100.5	7.9	7.9	3.5	3.5	8	8	91	91				8	8	89	89	<0.2	<0.2	0.9	0.9				
					IM10	Fine	Moderate	12:37	7.8	Surface	1.0	0.3	311	17.5	17.5	8.3	8.3	31.5	31.5	101.1	101.1	8.0	8.0	3.7				3.7	10	10	86	86	89	822399	809807	<0.2	<0.2	0.9	0.9
											1.0	0.4	323	17.5	17.5	8.3	8.3	31.5	31.5	101.1	101.1	8.0	8.0	3.7				3.7	10	10	87	87				<0.2	<0.2	0.9	0.9
											3.9	0.3	299	17.5	17.5	8.3	8.3	31.5	31.5	100.8	100.8	8.0	8.0	4.0				4.0	9	9	90	90				<0.2	<0.2	0.9	0.9
Middle	3.9	0.3	300	17.5						17.5	8.3	8.3	31.5	31.5	100.8	100.8	8.0	8.0	4.0	4.0	9	9	90	90	8	8	89	89	<0.2	<0.2	0.9	0.9							
	6.8	0.3	302	17.5						17.5	8.3	8.3	31.5	31.5	100.8	100.8	8.0	8.0	3.8	3.8	8	8	89	89	8	8	89	89	<0.2	<0.2	0.9	0.9							
	6.8	0.3	311	17.5						17.5	8.3	8.3	31.5	31.5	100.8	100.8	8.0	8.0	3.8	3.8	8	8	90	90	8	8	89	89	<0.2	<0.2	0.9	0.9							
IM11	Fine	Moderate	12:27	7.6						Surface	1.0	0.5	288	17.6	17.6	8.3	8.3	31.6	31.6	100.4	100.4	7.9	7.9	6.5	6.5	10	10	86	86	88	822071	811461				<0.2	<0.2	0.8	0.8
											1.0	0.5	289	17.6	17.6	8.3	8.3	31.6	31.6	100.4	100.4	7.9	7.9	6.5	6.5	10	10	86	86							<0.2	<0.2	0.8	0.8
											3.8	0.3	288	17.6	17.6	8.3	8.3	31.7	31.7	99.9	99.9	7.9	7.9	7.3	7.3	8	8	89	89							<0.2	<0.2	0.8	0.8
					Middle	3.8	0.3	311	17.6	17.6	8.3	8.3	31.7	31.7	99.9	99.9	7.9	7.9	7.3	7.3	8	8	89	89	8	8	89	89	<0.2				<0.2	0.9	0.9				
						6.6	0.3	292	17.6	17.6	8.3	8.3	31.7	31.7	100.4	100.4	7.9	7.9	7.9	7.9	8	8	90	90	8	8	89	89	<0.2				<0.2	0.9	0.9				
						6.6	0.3	309	17.6	17.6	8.3	8.3	31.7	31.7	100.4	100.4	7.9	7.9	7.9	7.9	8	8	90	90	8	8	89	89	<0.2				<0.2	0.9	0.9				
					IM12	Fine	Moderate	12:20	8.1	Surface	1.0	0.5	311	17.6	17.6	8.3	8.3	31.6	31.6	101.2	101.2	8.0	8.0	6.9	6.9	9	9	87	87				90	821437	812064	<0.2	<0.2	0.8	0.8
											1.0	0.5	315	17.6	17.6	8.3	8.3	31.6	31.6	101.2	101.2	8.0	8.0	6.9	6.9	9	9	87	87							<0.2	<0.2	0.9	0.9
											4.1	0.5	309	17.6	17.6	8.3	8.3	31.6	31.6	100.9	100.9	8.0	8.0	9.8	9.8	8	8	89	89							<0.2	<0.2	0.8	0.8
Middle	4.1	0.5	316	17.6						17.6	8.3	8.3	31.6	31.6	100.9	100.9	8.0	8.0	9.8	9.8	8	8	90	90	8	8	89	89	<0.2	<0.2	0.8	0.8							
	7.1	0.4	302	17.6						17.6	8.3	8.3	31.6	31.6	100.2	100.2	7.9	7.9	10.6	10.6	6	6	92	92	6	6	89	89	<0.2	<0.2	0.9	0.9							
	7.1	0.4	303	17.6						17.6	8.3	8.3	31.6	31.6	100.2	100.2	7.9	7.9	10.7	10.7	6	6	93	93	6	6	89	89	<0.2	<0.2	0.8	0.8							
SR1A	Fine	Moderate	11:49	5.3						Surface	1.0	-	-	17.8	17.8	8.3	8.3	31.8	31.8	100.7	100.7	7.9	7.9	6.2	6.2	8	8	-	-	-	819976	812660				-	-	-	-
											1.0	-	-	17.8	17.8	8.3	8.3	31.8	31.8	100.7	100.7	7.9	7.9	6.2	6.2	8	8	-	-							-	-	-	-
											2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-				
						4.3	-	-	17.8	17.8	8.3	8.3	31.8	31.8	100.5	100.5	7.9	7.9	8.5	8.5	6	6	-	-	-	-	-	-	-				-	-					
						4.3	-	-	17.8	17.8	8.3	8.3	31.8	31.8	100.5	100.5	7.9	7.9	8.5	8.5	6	6	-	-	-	-	-	-	-				-						
					SR2	Fine	Moderate	11:31	4.4	Surface	1.0	0.0	119	17.6	17.6	8.3	8.3	31.5	31.5	100.9	100.9	8.0	8.0	5.0	5.0	6	6	90	90				91	821474	814187	<0.2	<0.2	0.9	0.9
											1.0	0.0	129	17.6	17.6	8.3	8.3	31.5	31.5	100.9	100.9	8.0	8.0	5.1	5.1	6	6	90	90							<0.2	<0.2	0.8	0.8
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.4	0.0	78	17.5						17.5	8.3	8.3	31.5	31.5	100.7	100.7	8.0	8.0	5.6	5.6	5	5	91	91	5	5	89	89	<0.2	<0.2	0.9	0.9							
	3.4	0.0	84	17.5						17.5	8.3	8.3	31.5	31.5	100.7	100.7	8.0	8.0	5.6	5.6	5	5	92	92	5	5	89	89	<0.2	<0.2	0.9	0.9							
SR3	Fine	Moderate	12:57	8.5						Surface	1.0	0.0	68	17.8	17.8	8.2	8.2	30.8	30.8	100.3	100.3	7.9	7.9	2.8	2.8	8	8	-	-	-	822145	807564				-	-	-	-
											1.0	0.0	74	17.8	17.8	8.2	8.2	30.8	30.8	100.3	100.3	7.9	7.9	2.8	2.8	8	8	-	-							-	-		
											4.3	0.1	23	17.6	17.6	8.2	8.2	30.8	30.8	98.9	98.9	7.8	7.8	4.8	4.8	6	6	-	-							-	-		
					Middle	4.3	0.1	24	17.6	17.6	8.2	8.2	30.8	30.8	98.9	98.9	7.8	7.8	4.8	4.8	6	6	-	-	-	-	-	-	-				-						
						7.5	0.1	42	17.6	17.6	8.2	8.2	30.8	30.8	99.1	99.1	7.9	7.9	8.4	8.4	6	6	-	-	-	-	-	-	-										
						7.5	0.1	45	17.6	17.6	8.2	8.2	30.8	30.8	99.1	99.1	7.9	7.9	8.4	8.4	6	6	-	-	-	-	-	-	-										
					SR4A	Cloudy	Calm	12:03	9.1	Surface	1.0	0.1	72	17.1	17.1	8.1	8.1	30.3	30.3	100.4	100.4	8.1	8.1	6.0	6.0	8	8	-	-				-	817196	807820	-	-	-	-
											1.0	0.1	74	17.1	17.1	8.1	8.1	30.3	30.3	100.4	100.4	8.1	8.1	6.0	6.0	8	8	-	-							-	-		
											4.6	0.1	49	17.1	17.1	8.1	8.1	30.3	30.3	100.3	100.3	8.1	8.1	6.0	6.0	7	7	-	-							-	-		
Middle	4.6	0.1	49	17.1						17.1	8.1	8.1	30.3	30.3	100.3	100.3	8.1	8.1	6.0	6.0	7	7	-	-	-	-	-	-	-										
	8.1	0.1	44	17.1						17.1	8.1	8.1	30.3	30.3	100.4	100.4	8.1	8.1	5.9	5.9	6	6	-	-	-	-	-	-											
	8.1	0.1	46	17.1						17.1	8.1	8.1	30.3	30.3	100.4	100.4	8.1	8.1	5.9	5.9	6	6	-	-	-	-	-	-											
SR5A	Cloudy	Calm	11:45	3.1						Surface	1.0	0.0	127	17.2	17.2	8.1	8.1	30.3	30.3	100.6	100.6	8.1	8.1	8.1	8.1	7	7	-	-	-	816616	810686							

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

Water Quality Monitoring Results on 07 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Calm	07:05	8.3	Surface	1.0	0.2	243	17.6	17.6	7.8	7.8	31.2	31.1	103.9	103.7	8.2	8.2	5.4	5.4	5	5	87	87	91	815599	804228	<0.2	1.0	0.8	0.9			
						1.0	0.2	251	17.6	7.8	7.8	31.1	31.2	103.5	103.8	8.2	8.2	5.4	5.6	8	8	88	90	87	87	91	815599	804228	<0.2	0.8	0.9	0.9		
						4.2	0.2	230	17.6	7.8	7.8	31.2	31.2	104.0	103.8	8.2	8.2	5.7	5.7	8	8	90	90	87	87	91	815599	804228	<0.2	0.8	0.9	0.9		
					4.2	0.2	251	17.6	7.8	7.8	31.2	31.2	103.5	103.8	8.2	8.2	5.7	5.7	8	8	90	90	87	87	91	815599	804228	<0.2	0.8	0.9	0.9			
					7.3	0.2	239	17.6	7.8	7.8	31.2	31.2	102.7	103.2	8.1	8.2	5.7	5.7	9	9	94	94	87	87	91	815599	804228	<0.2	0.8	0.9	0.9			
					7.3	0.2	249	17.6	7.8	7.8	31.2	31.2	103.6	103.2	8.2	8.2	5.8	5.8	8	8	94	94	87	87	91	815599	804228	<0.2	0.8	0.9	0.9			
C2	Cloudy	Moderate	08:18	11.7	Surface	1.0	3.1	317	16.9	16.9	8.1	8.1	29.1	29.1	99.0	99.0	8.1	8.1	4.4	4.4	4	4	85	85	89	825700	806950	<0.2	1.1	1.1	1.1			
						1.0	3.2	325	16.9	8.1	8.1	29.1	29.3	99.0	98.6	8.0	8.1	4.4	4.4	5	5	85	88	88	88	91	825700	806950	<0.2	1.1	1.1	1.1		
						5.9	3.1	329	17.0	8.1	8.1	29.3	29.3	98.6	98.6	8.0	8.0	7.9	7.9	5	5	88	88	88	88	91	825700	806950	<0.2	1.1	1.1	1.1		
					5.9	3.2	331	17.0	8.1	8.1	29.3	29.3	98.6	98.6	8.0	8.0	8.1	8.1	6	6	88	88	88	88	91	825700	806950	<0.2	1.2	1.2	1.1			
					10.7	3.2	333	17.0	8.1	8.0	29.3	29.3	98.6	98.6	8.0	8.0	10.1	10.1	8	8	93	93	87	87	91	825700	806950	<0.2	1.1	1.1	1.1			
					10.7	3.4	335	17.0	8.0	8.0	29.3	29.3	98.6	98.6	8.0	8.0	10.3	10.3	7	7	92	92	87	87	91	825700	806950	<0.2	1.1	1.1	1.1			
C3	Cloudy	Moderate	05:55	12.1	Surface	1.0	0.3	88	17.2	17.2	8.1	8.1	30.1	30.1	96.0	96.0	7.7	7.7	3.7	3.8	4	4	86	87	89	822097	817795	<0.2	0.9	1.0	0.9			
						1.0	0.3	96	17.2	8.1	8.1	30.1	30.2	96.0	95.7	7.7	7.7	3.8	4.4	5	5	87	87	88	88	91	822097	817795	<0.2	0.9	0.9	0.9		
						6.1	0.3	73	17.4	8.1	8.1	30.2	30.2	95.7	95.7	7.7	7.7	4.4	4.5	4	4	87	88	88	88	91	822097	817795	<0.2	0.9	0.9	0.9		
					6.1	0.3	73	17.4	8.1	8.1	30.2	30.2	95.7	95.7	7.7	7.7	4.5	4.5	4	4	88	88	88	88	91	822097	817795	<0.2	0.9	0.9	0.9			
					11.1	0.2	77	17.4	8.2	8.2	30.2	30.2	96.8	96.9	7.8	7.8	4.5	4.5	5	5	93	93	87	87	91	822097	817795	<0.2	0.8	0.8	0.8			
					11.1	0.3	77	17.3	8.2	8.2	30.2	30.2	96.9	96.9	7.8	7.8	4.5	4.5	5	5	93	93	87	87	91	822097	817795	<0.2	0.8	0.8	0.8			
IM1	Cloudy	Calm	07:20	4.6	Surface	1.0	0.1	200	17.6	17.6	7.8	7.8	31.0	31.0	104.7	104.3	8.3	8.3	2.6	2.4	6	5	88	89	90	817942	807153	<0.2	0.8	0.7	0.8			
						1.0	0.2	206	17.6	7.9	7.8	31.0	31.0	103.8	103.8	8.2	8.2	2.4	2.4	5	5	89	89	90	90	91	817942	807153	<0.2	0.8	0.7	0.8		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.6	0.1	205	17.6	7.8	7.8	31.0	31.0	103.3	103.3	8.2	8.2	5.7	5.7	6	6	90	90	90	90	91	817942	807153	<0.2	0.8	0.8	0.8			
					3.6	0.1	225	17.6	7.8	7.8	31.0	31.0	103.3	103.3	8.2	8.2	5.7	5.7	7	7	91	91	90	90	91	817942	807153	<0.2	0.8	0.8	0.8			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Cloudy	Calm	07:25	6.6	Surface	1.0	0.2	192	17.4	17.4	7.8	7.8	30.8	30.8	104.5	104.5	8.3	8.3	7.0	7.1	8	8	86	87	91	818140	806182	<0.2	0.8	0.8	0.8			
						1.0	0.2	207	17.4	7.8	7.8	30.8	30.8	104.5	104.5	8.3	8.3	7.1	7.1	8	8	87	87	91	91	91	818140	806182	<0.2	0.8	0.8	0.8		
						3.3	0.2	189	17.4	7.8	7.8	30.8	30.8	103.5	103.6	8.2	8.2	7.3	7.5	7	8	92	92	91	91	91	818140	806182	<0.2	0.8	0.8	0.8		
					3.3	0.2	195	17.4	7.8	7.8	30.8	30.8	103.6	103.6	8.2	8.2	7.5	7.5	8	8	93	93	91	91	91	818140	806182	<0.2	0.8	0.8	0.8			
					5.6	0.2	176	17.4	7.8	7.8	30.8	30.8	103.2	103.4	8.2	8.3	9.7	9.7	6	6	95	95	91	91	91	818140	806182	<0.2	0.9	0.8	0.8			
					5.6	0.2	178	17.4	7.8	7.8	30.8	30.8	103.5	103.4	8.3	8.3	9.7	9.7	6	6	95	95	91	91	91	818140	806182	<0.2	0.9	0.8	0.8			
IM3	Cloudy	Calm	07:40	6.7	Surface	1.0	0.3	166	17.5	17.5	7.8	7.8	30.7	30.7	104.7	104.7	8.3	8.3	3.1	2.9	9	10	86	87	91	818763	805581	<0.2	0.8	0.8	0.8			
						1.0	0.3	174	17.5	7.8	7.8	30.7	30.7	104.6	104.6	8.3	8.3	2.9	2.9	10	10	87	87	91	91	91	818763	805581	<0.2	0.8	0.8	0.8		
						3.4	0.2	160	17.5	7.8	7.8	30.7	30.7	103.8	104.2	8.3	8.3	2.9	3.0	9	9	90	90	91	91	91	818763	805581	<0.2	0.8	0.8	0.8		
					3.4	0.3	165	17.5	7.8	7.8	30.7	30.7	104.5	104.2	8.3	8.3	3.0	3.0	9	9	91	91	91	91	91	818763	805581	<0.2	0.8	0.8	0.8			
					5.7	0.2	153	17.5	7.8	7.8	30.7	30.7	103.3	102.9	8.2	8.2	4.7	4.7	8	8	95	95	91	91	91	818763	805581	<0.2	0.8	0.8	0.8			
					5.7	0.2	164	17.5	7.8	7.8	30.7	30.7	102.4	102.9	8.2	8.2	4.8	4.8	9	9	95	95	91	91	91	818763	805581	<0.2	0.9	0.8	0.8			
IM4	Cloudy	Calm	07:50	7.9	Surface	1.0	0.6	194	17.4	17.4	7.8	7.8	30.6	30.6	104.8	105.0	8.4	8.4	5.2	5.3	8	7	87	87	91	819741	804602	<0.2	0.8	0.8	0.8			
						1.0	0.6	205	17.4	7.8	7.8	30.6	30.6	105.1	103.7	8.3	8.3	5.3	5.8	7	7	87	91	91	91	91	819741	804602	<0.2	0.8	0.8	0.8		
						4.0	0.5	187	17.4	7.8	7.8	30.6	30.6	104.2	103.7	8.3	8.2	6.6	6.6	6	6	91	91	91	91	91	819741	804602	<0.2	0.8	0.8	0.8		
					4.0	0.5	191	17.4	7.8	7.8	30.6	30.6	103.1	103.7	8.2	8.2	6.6	6.6	6	6	91	91	91	91	91	819741	804602	<0.2	0.8	0.8	0.8			
					6.9	0.4	198	17.4	7.8	7.8	30.6	30.6	102.7	103.4	8.2	8.3	5.6	5.6	5	5	96	96	91	91	91	819741	804602	<0.2	0.8	0.8	0.8			
					6.9	0.4	208	17.4	7.8	7.8	30.6	30.6	104.0	103.4	8.3	8.3	5.5	5.5	6	6	95	95	91	91	91	819741	804602	<0.2	0.8	0.8	0.8			
IM5	Cloudy	Calm	08:01	7.4	Surface	1.0	0.6	205	17.4	17.4	7.8	7.8	30.5	30.5	102.5	102.7	8.2	8.2	5.2	5.3	5	6	87	88	92	820737	804843	<0.2	0.8	0.9	0.9			
						1.0	0.6	213	17.4	7.8	7.8	30.5	30.5	102.9	102.7	8.2	8.2	5.3	5.3	6	6	88	88	92	92	92	820737	8						

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

Water Quality Monitoring Results on 07 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	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	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA			
IM9	Cloudy	Moderate	07:42	7.3	Surface	1.0	1.7	226	16.9	16.9	8.1	8.1	29.4	29.4	100.4	100.4	8.1	8.1	4.7	4.7	3	3	88	88	90	822109	808792	<0.2	1.0	<0.2	1.0							
						1.0	1.7	243	16.9	8.1	8.1	29.4	29.4	100.4	100.4	8.1	8.1	4.7	4.7	3	3	88	88	90	822109	808792	<0.2	1.0	<0.2	1.0								
						3.7	1.8	235	16.9	8.1	8.1	29.4	29.4	100.2	100.2	8.1	8.1	4.9	4.9	4	4	89	89	90	822109	808792	<0.2	1.1	<0.2	1.1								
					Middle	3.7	1.9	246	16.9	8.1	8.1	29.4	29.4	100.2	100.2	8.1	8.1	4.9	4.9	5	5	90	90	91	91	90	822109	808792	<0.2	1.0	<0.2	1.0						
						6.3	1.6	237	16.9	8.1	8.1	29.4	29.4	100.1	100.1	8.1	8.1	4.8	4.8	6	6	91	91	92	92	91	822109	808792	<0.2	1.0	<0.2	1.0						
						6.3	1.8	256	16.9	8.1	8.1	29.4	29.4	100.1	100.1	8.1	8.1	4.9	4.9	5	5	92	92	91	91	92	92	822109	808792	<0.2	1.1	<0.2	1.1					
					IM10	Cloudy	Moderate	07:35	7.7	Surface	1.0	1.4	22	16.9	16.9	8.1	8.1	29.4	29.4	100.1	100.1	8.1	8.1	4.9	4.9	6	6	87	87	91	822379	809792	<0.2	0.9	<0.2	0.9		
											1.0	1.6	22	16.9	8.1	8.1	29.4	29.4	100.1	100.1	8.1	8.1	4.9	4.9	6	6	87	87	91	91	91	822379	809792	<0.2	0.9	<0.2	0.9	
											3.9	1.5	13	16.9	8.1	8.1	29.4	29.4	99.9	99.9	8.1	8.1	4.9	4.9	5	5	91	91	92	92	91	822379	809792	<0.2	1.0	<0.2	1.0	
Middle	3.9	1.7	13	16.9						8.1	8.1	29.4	29.4	99.8	99.8	8.1	8.1	5.0	5.0	6	6	92	92	93	93	92	822379	809792	<0.2	0.9	<0.2	0.9						
	6.7	1.7	18	16.9						8.1	8.1	29.4	29.4	99.9	99.9	8.1	8.1	7.2	7.2	5	5	93	93	92	92	93	93	822379	809792	<0.2	1.0	<0.2	1.0					
	6.7	1.7	18	16.9						8.1	8.1	29.4	29.4	99.9	99.9	8.1	8.1	7.4	7.4	5	5	93	93	92	92	93	93	822379	809792	<0.2	1.1	<0.2	1.1					
IM11	Cloudy	Moderate	07:23	8.3						Surface	1.0	1.2	291	16.9	16.9	8.1	8.1	29.5	29.5	100.3	100.3	8.1	8.1	6.2	6.2	8	8	87	87	90	822041	811456	<0.2	0.9	<0.2	0.9		
											1.0	1.3	293	16.9	8.1	8.1	29.5	29.5	100.2	100.2	8.1	8.1	6.2	6.2	8	8	87	87	90	90	90	822041	811456	<0.2	0.9	<0.2	0.9	
											4.2	1.2	286	16.9	8.1	8.1	29.5	29.5	100.0	100.0	8.1	8.1	6.4	6.4	7	7	89	89	92	92	90	822041	811456	<0.2	1.0	<0.2	1.0	
					Middle	4.2	1.2	289	16.9	8.1	8.1	29.5	29.5	100.0	100.0	8.1	8.1	6.5	6.5	8	8	90	90	92	92	90	822041	811456	<0.2	0.9	<0.2	0.9						
						7.3	1.1	299	16.9	8.1	8.1	29.5	29.5	99.9	99.9	8.1	8.1	14.0	14.0	6	6	92	92	92	92	92	822041	811456	<0.2	0.9	<0.2	0.9						
						7.3	1.1	319	16.9	8.1	8.1	29.5	29.5	99.9	99.9	8.1	8.1	14.0	14.0	6	6	92	92	92	92	92	822041	811456	<0.2	0.9	<0.2	0.9						
					IM12	Cloudy	Moderate	07:15	8.6	Surface	1.0	0.3	120	16.9	16.9	8.1	8.1	29.4	29.4	100.0	100.0	8.1	8.1	5.3	5.3	6	6	87	87	89	821436	812056	<0.2	0.9	<0.2	0.9		
											1.0	0.3	129	16.9	8.1	8.1	29.4	29.4	100.0	100.0	8.1	8.1	5.3	5.3	6	6	87	87	89	89	89	821436	812056	<0.2	0.9	<0.2	0.9	
											4.3	0.3	112	16.9	8.1	8.1	29.4	29.4	99.7	99.7	8.1	8.1	5.7	5.7	6	6	89	89	92	92	89	821436	812056	<0.2	1.0	<0.2	1.0	
Middle	4.3	0.3	113	16.9						8.1	8.1	29.4	29.4	99.7	99.7	8.1	8.1	5.8	5.8	7	7	89	89	92	92	89	821436	812056	<0.2	0.9	<0.2	0.9						
	7.6	0.3	115	16.9						8.1	8.1	29.4	29.4	99.6	99.6	8.1	8.1	5.7	5.7	7	7	92	92	92	92	92	821436	812056	<0.2	0.9	<0.2	0.9						
	7.6	0.3	119	16.9						8.1	8.1	29.4	29.4	99.6	99.6	8.1	8.1	5.7	5.7	6	6	92	92	92	92	92	821436	812056	<0.2	0.9	<0.2	0.9						
SR1A	Cloudy	Calm	06:38	4.8						Surface	1.0	-	-	17.0	17.0	8.1	8.1	29.7	29.7	99.3	99.3	8.0	8.0	4.8	4.8	6	6	-	-	-	819976	812656	-	-	-	-		
											1.0	-	-	17.0	17.0	8.1	8.1	29.7	29.7	99.2	99.2	8.0	8.0	4.8	4.8	6	6	-	-	-	-	-	819976	812656	-	-	-	-
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812656	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812656	-	-	-	-					
						3.8	-	-	17.0	17.0	8.1	8.1	29.8	29.8	99.3	99.3	8.0	8.0	4.6	4.6	8	8	-	-	-	-	-	819976	812656	-	-	-	-					
						3.8	-	-	17.0	17.0	8.1	8.1	29.8	29.8	99.3	99.3	8.0	8.0	4.7	4.7	7	7	-	-	-	-	-	819976	812656	-	-	-	-					
					SR2	Cloudy	Moderate	06:22	4.4	Surface	1.0	0.3	90	17.0	17.0	8.2	8.2	29.8	29.8	100.1	100.1	8.1	8.1	4.4	4.4	6	5	84	85	88	821449	814179	<0.2	0.9	<0.2	0.9		
											1.0	0.4	97	17.0	17.0	8.2	8.2	29.8	29.8	100.1	100.1	8.1	8.1	4.4	4.4	5	5	85	85	88	88	88	821449	814179	<0.2	0.9	<0.2	0.9
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821449	814179	<0.2	1.0	<0.2	1.0
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821449	814179	<0.2	1.0	<0.2	1.0					
	3.4	0.3	90	17.0						17.0	8.2	8.2	29.8	29.8	100.0	100.0	8.1	8.1	4.5	4.5	4	4	91	91	91	91	91	821449	814179	<0.2	1.0	<0.2	1.0					
	3.4	0.3	92	17.0						17.0	8.2	8.2	29.8	29.8	100.0	100.0	8.1	8.1	4.5	4.5	4	4	91	91	91	91	91	821449	814179	<0.2	1.0	<0.2	1.0					
SR3	Cloudy	Moderate	07:52	8.8						Surface	1.0	2.9	154	16.8	16.8	8.1	8.1	29.3	29.3	99.9	99.9	8.1	8.1	5.8	5.8	7	7	-	-	-	822162	807559	-	-	-	-		
											1.0	3.0	160	16.8	16.8	8.1	8.1	29.3	29.3	99.9	99.9	8.1	8.1	5.9	5.9	8	8	-	-	-	-	-	822162	807559	-	-	-	-
											4.4	2.8	143	16.8	16.8	8.1	8.1	29.3	29.3	99.8	99.8	8.1	8.1	6.2	6.2	7	7	-	-	-	-	-	822162	807559	-	-	-	-
					Middle	4.4	3.0	154	16.8	16.8	8.1	8.1	29.3	29.3	99.8	99.8	8.1	8.1	6.3	6.3	8	8	-	-	-	-	-	822162	807559	-	-	-	-					
						7.8	2.6	140	16.8	16.8	8.1	8.1	29.3	29.3	99.5	99.5	8.1	8.1	7.9	7.9	6	6	-	-	-	-	-	822162	807559	-	-	-	-					
						7.8	2.7	140	16.8	16.8	8.1	8.1	29.3	29.3	99.5	99.5	8.1	8.1	7.9	7.9	7	7	-	-	-	-	-	822162	807559	-	-	-	-					
					SR4A	Cloudy	Calm	06:35	7.6	Surface	1.0	0.2	65	17.6	17.6	7.8	7.8	31.1	31.1	100.9	100.7	8.0	8.0	3.8	3.8	5	4	-	-	-	817205	807818	-	-	-	-		
											1.0	0.2	67	17.6	17.6	7.8	7.8	31.1	31.1	100.5	100.5	8.0	8.0	3.8	3.8	4	4	-	-	-	-	-	817205	807818	-	-	-	-
											3.8	0.1	58	17.6	17.6	7.8	7.8	31.2	31.2	100.8	103.2	8.0	8.0	4.5	4.5	5	5	-	-	-	-	-	817205	807818	-	-	-	-
Middle	3.8	0.1	59	17.6						17.6	7.8	7.8	31.1	31.2	105.6	103.2	8.4	8.4	4.7	4.7	5	5	-	-	-	-	-	817205	807818	-	-	-	-					
	6.6	0.1	80	17.8						17.8	7.8	7.8	31.3	31.3	100.2	102.7	7.9	7.9	5.9	5.9	6	6	-	-	-	-	-	817205	807818	-	-	-	-					
	6.6	0.1	81	17.8						17.8	7.8	7.8	31.3	31.3	105.1	102.7	8.3	8.3	5.8	5.8	6	6	-	-	-	-	-	817205	807818	-	-	-	-					
SR5A	Cloudy	Calm	06:12	3.2						Surface	1.0	0.2	316	17.6	17.6	7.8	7.8	30.9	30.9	102.9	102.5	8.2	8.2	3.5	3.5	5	6	-	-	-	816577	810705	-	-	-	-		
											1.0	0.2	328	17.6	17.6	7.8	7.8	30.9	30.9	102.0	102.5	8.1	8.2	3.6	3.6	6	6	-										

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Calm	13:35	8.4	Surface	1.0	0.4	52	17.7	17.7	8.3	8.3	31.8	31.8	104.6	104.6	8.2	8.2	0.8	8	84	89	89	815631	804236	<0.2	0.7	0.7	0.7						
						1.0	0.4	56	17.7	17.7	8.3	8.3	31.8	31.8	104.5	104.5	8.2	8.2	0.8	7	86	89	89	815631	804236	<0.2	0.7	0.7	0.7						
						4.2	0.4	50	17.7	17.7	8.3	8.3	31.8	31.8	104.0	103.8	8.2	8.2	1.5	8	89	89	89	815631	804236	<0.2	0.7	0.7	0.7						
					4.2	0.4	50	17.7	17.7	8.3	8.3	31.8	31.8	103.5	103.5	8.2	8.2	1.6	7	90	89	89	815631	804236	<0.2	0.7	0.7	0.7							
					7.4	0.3	42	17.6	17.6	8.3	8.3	31.8	31.8	103.1	103.2	8.1	8.1	3.1	10	93	89	89	815631	804236	<0.2	0.7	0.7	0.7							
					7.4	0.3	45	17.6	17.6	8.3	8.3	31.8	31.8	103.3	103.3	8.1	8.1	3.2	9	94	89	89	815631	804236	<0.2	0.7	0.7	0.7							
C2	Cloudy	Moderate	12:12	11.5	Surface	1.0	0.2	203	17.0	17.0	8.1	8.1	28.7	28.7	100.7	100.7	8.2	8.2	3.9	5	87	89	89	825675	806963	<0.2	1.3	1.3	1.3						
						1.0	0.2	213	17.0	17.0	8.1	8.1	28.7	100.7	8.2	8.2	3.9	5	87	89	89	825675	806963	<0.2	1.2	1.2	1.2								
						5.8	0.1	281	17.0	17.0	8.1	8.1	29.4	29.4	99.0	99.0	8.0	8.1	4.3	6	89	89	89	825675	806963	<0.2	1.4	1.4	1.3						
					5.8	0.2	282	17.0	17.0	8.1	8.1	29.4	29.4	99.0	99.0	8.0	8.1	4.4	6	89	89	89	825675	806963	<0.2	1.3	1.3	1.3							
					10.5	0.2	303	17.0	17.0	8.2	8.2	29.4	29.4	99.7	99.7	8.1	8.1	4.3	8	92	89	89	825675	806963	<0.2	1.3	1.3	1.3							
					10.5	0.2	323	17.0	17.0	8.2	8.2	29.4	29.4	99.7	99.7	8.1	8.1	4.3	7	92	89	89	825675	806963	<0.2	1.2	1.2	1.2							
C3	Cloudy	Moderate	14:32	12.1	Surface	1.0	0.4	255	17.5	17.5	8.1	8.1	30.3	30.3	95.3	95.3	7.6	7.6	4.8	6	89	89	89	822095	817784	<0.2	1.1	1.1	1.1						
						1.0	0.4	260	17.5	17.5	8.1	8.1	30.3	30.3	95.3	95.3	7.6	7.6	4.8	5	88	89	89	822095	817784	<0.2	1.1	1.1	1.1						
						6.1	0.4	251	17.5	17.5	8.1	8.1	30.3	30.3	95.3	95.3	7.6	7.6	8.8	6	88	89	89	822095	817784	<0.2	0.8	0.8	0.8						
					6.1	0.4	263	17.5	17.5	8.1	8.1	30.3	30.3	95.3	95.3	7.6	7.6	8.9	5	88	89	89	822095	817784	<0.2	0.8	0.8	0.8							
					11.1	0.3	258	17.5	17.5	8.1	8.1	30.3	30.3	96.1	96.2	7.7	7.7	9.0	5	92	89	89	822095	817784	<0.2	0.7	0.7	0.7							
					11.1	0.3	280	17.5	17.5	8.1	8.1	30.3	30.3	96.2	96.2	7.7	7.7	8.5	4	92	89	89	822095	817784	<0.2	0.7	0.7	0.7							
IM1	Cloudy	Calm	13:11	4.7	Surface	1.0	0.1	354	17.8	17.8	8.3	8.3	31.6	31.6	105.7	105.7	8.3	8.3	0.6	7	89	89	89	818174	806186	<0.2	0.8	0.8	0.8						
						1.0	0.1	326	17.8	17.8	8.3	8.3	31.6	31.6	105.6	105.6	8.3	8.3	0.6	6	89	89	89	818174	806186	<0.2	0.8	0.8	0.8						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					3.7	0.1	351	17.8	17.8	8.3	8.3	31.6	31.6	106.0	106.1	8.4	8.4	2.0	5	92	89	89	818174	806186	<0.2	0.8	0.8	0.8							
					3.7	0.1	323	17.8	17.8	8.3	8.3	31.6	31.6	106.1	106.1	8.4	8.4	2.1	5	93	89	89	818174	806186	<0.2	0.8	0.8	0.8							
					3.7	0.1	323	17.8	17.8	8.3	8.3	31.6	31.6	106.1	106.1	8.4	8.4	2.1	5	93	89	89	818174	806186	<0.2	0.8	0.8	0.8							
IM2	Cloudy	Calm	13:02	6.8	Surface	1.0	0.3	322	17.7	17.7	8.3	8.3	31.5	31.5	104.3	104.2	8.2	8.2	1.8	6	84	89	89	818174	806186	<0.2	0.9	0.9	0.9						
						1.0	0.3	340	17.7	17.7	8.3	8.3	31.5	31.5	104.0	103.9	8.2	8.2	1.8	7	85	89	89	818174	806186	<0.2	0.8	0.8	0.8						
						3.4	0.2	323	17.7	17.7	8.3	8.3	31.6	31.6	103.9	103.9	8.2	8.2	4.7	8	88	89	89	818174	806186	<0.2	0.8	0.8	0.8						
					3.4	0.3	335	17.7	17.7	8.3	8.3	31.6	31.6	103.8	103.8	8.2	8.2	4.8	8	89	89	89	818174	806186	<0.2	0.9	0.9	0.9							
					5.8	0.2	321	17.8	17.8	8.3	8.3	31.6	31.6	103.1	103.2	8.1	8.1	9.0	9	92	89	89	818174	806186	<0.2	0.8	0.8	0.8							
					5.8	0.3	333	17.8	17.8	8.3	8.3	31.6	31.6	103.2	103.2	8.1	8.1	8.9	9	93	89	89	818174	806186	<0.2	0.8	0.8	0.8							
IM3	Cloudy	Calm	12:54	6.8	Surface	1.0	0.2	17	17.5	17.5	8.3	8.3	31.3	31.3	103.2	103.4	8.2	8.2	3.6	8	88	89	89	818785	805578	<0.2	0.9	0.9	0.9						
						1.0	0.3	17	17.5	17.5	8.3	8.3	31.3	31.3	103.6	103.4	8.2	8.2	3.8	9	88	89	89	818785	805578	<0.2	0.9	0.9	0.9						
						3.4	0.2	36	17.5	17.5	8.3	8.3	31.3	31.3	103.3	103.4	8.2	8.2	4.6	9	92	89	89	818785	805578	<0.2	0.8	0.8	0.8						
					3.4	0.3	37	17.5	17.5	8.3	8.3	31.3	31.3	103.4	103.4	8.2	8.2	4.6	9	92	89	89	818785	805578	<0.2	0.9	0.9	0.9							
					5.8	0.3	26	17.5	17.5	8.3	8.3	31.3	31.3	103.0	103.1	8.2	8.2	7.1	10	93	89	89	818785	805578	<0.2	0.8	0.8	0.8							
					5.8	0.3	28	17.5	17.5	8.3	8.3	31.3	31.3	103.0	103.1	8.2	8.2	7.1	10	94	89	89	818785	805578	<0.2	0.8	0.8	0.8							
IM4	Cloudy	Calm	12:44	7.8	Surface	1.0	0.4	358	17.6	17.6	8.3	8.3	31.2	31.2	105.6	105.6	8.4	8.4	-	5	86	89	89	819701	804601	<0.2	0.9	0.9	0.9						
						1.0	0.5	329	17.6	17.6	8.3	8.3	31.2	31.2	105.6	105.6	8.4	8.4	-	6	87	89	89	819701	804601	<0.2	0.9	0.9	0.9						
						3.9	0.4	357	17.6	17.6	8.3	8.3	31.3	31.3	105.1	105.2	8.3	8.3	0.1	8	90	89	89	819701	804601	<0.2	1.0	1.0	1.0						
					3.9	0.4	328	17.6	17.6	8.3	8.3	31.3	31.3	105.3	105.3	8.3	8.3	0.1	7	91	89	89	819701	804601	<0.2	0.9	0.9	0.9							
					6.8	0.4	5	17.5	17.5	8.3	8.3	31.4	31.4	104.7	104.6	8.3	8.3	0.3	8	94	89	89	819701	804601	<0.2	0.9	0.9	0.9							
					6.8	0.4	5	17.5	17.5	8.3	8.3	31.4	31.4	104.5	104.5	8.3	8.3	0.3	8	93	89	89	819701	804601	<0.2	0.9	0.9	0.9							
IM5	Cloudy	Calm	12:33	7.5	Surface	1.0	0.2	290	17.6	17.6	8.3	8.3	31.4	31.4	105.4	105.4	8.3	8.3	5.7	11	85	89	89	820717	804873	<0.2	0.9	0.9	0.9						
						1.0	0.2	291	17.6	17.6	8.3	8.3	31.4	31.4	105.3	105.4	8.3	8.3	5.8	10	86	89	89	820717	804873	<0.2	0.9	0.9	0.9						
						3.8	0.1	294	17.6	17.6	8.3	8.3	31.4	31.4	105.4	105.4	8.3	8.3	6.2	12	89	89	89	820717	804873	<0.2	0.9	0.9	0.9						
					3.8	0.1	299	17.6	17.6	8.3	8.3	31.4	31.4	105.4	105.4	8.3	8.3	6.2	13	90	89	89	820717	804873	<0.2	0.9	0.9	0.9							
					6.5	0.1	234	17.6	17.6	8.3	8.3	31.4	31.4	104.7	104.8	8.3	8.3	6.7	13	92	89	89	820717	804873	<0.2	0.8	0.8	0.8							
					6.5	0.1	234	17.6	17.6	8.3	8.3	31.4	31.4	104.8																					

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	12:43	7.0	Surface	1.0	0.2	253	17.0	17.0	8.1	8.1	29.4	29.4	102.5	102.5	8.3	8.3	6.0	6.0	9	87	89	89	822093	808789	<0.2	1.1	<0.2	1.0				
						1.0	0.2	260	17.0	17.0	8.1	8.1	29.4	29.4	102.5	102.4	8.3	8.3	6.0	6.0	8	88	89	89			<0.2	1.1	<0.2	1.0				
						3.5	0.3	257	17.0	17.0	8.1	8.1	29.4	29.4	102.4	102.4	8.3	8.3	6.3	6.3	7	89	89	89			<0.2	1.1	<0.2	1.0				
					Middle	3.5	0.3	264	17.0	17.0	8.1	8.1	29.4	29.4	102.4	102.4	8.3	8.3	6.3	6.3	6	89	89	89			<0.2	1.1	<0.2	1.0				
						6.0	0.2	258	16.9	16.9	8.1	8.1	29.4	29.4	102.5	102.5	8.3	8.3	6.2	6.2	6	91	91	91			<0.2	1.0	<0.2	1.0				
						6.0	0.2	274	16.9	16.9	8.1	8.1	29.4	29.4	102.5	102.5	8.3	8.3	6.3	6.3	7	92	92	92			<0.2	1.0	<0.2	1.0				
					Bottom	6.0	0.2	258	16.9	16.9	8.1	8.1	29.4	29.4	102.5	102.5	8.3	8.3	6.2	6.2	6	91	91	91			<0.2	1.0	<0.2	1.0				
						6.0	0.2	274	16.9	16.9	8.1	8.1	29.4	29.4	102.5	102.5	8.3	8.3	6.3	6.3	7	92	92	92			<0.2	1.0	<0.2	1.0				
						6.0	0.2	274	16.9	16.9	8.1	8.1	29.4	29.4	102.5	102.5	8.3	8.3	6.3	6.3	7	92	92	92			<0.2	1.0	<0.2	1.0				
IM10	Cloudy	Moderate	12:52	7.6	Surface	1.0	0.5	300	17.0	17.0	8.1	8.1	29.5	29.5	102.7	102.7	8.3	8.3	5.6	5.6	7	88	89	89	822400	809775	<0.2	1.1	<0.2	1.1				
						1.0	0.5	317	17.0	17.0	8.1	8.1	29.5	29.5	102.7	102.7	8.3	8.3	5.7	5.7	6	88	89	89			<0.2	1.1	<0.2	1.1				
						3.8	0.5	297	17.0	17.0	8.1	8.1	29.5	29.5	102.7	102.7	8.3	8.3	5.5	5.5	7	89	89	89			<0.2	1.0	<0.2	1.0				
					Middle	3.8	0.5	311	17.0	17.0	8.1	8.1	29.5	29.5	102.7	102.7	8.3	8.3	5.5	5.5	8	89	89	89			<0.2	1.0	<0.2	1.0				
						6.6	0.4	296	17.0	17.0	8.1	8.1	29.5	29.5	104.0	104.0	8.4	8.4	5.6	5.6	8	92	92	92			<0.2	1.1	<0.2	1.1				
						6.6	0.4	306	16.9	16.9	8.1	8.1	29.5	29.5	104.0	104.0	8.4	8.4	5.6	5.6	8	93	93	93			<0.2	1.1	<0.2	1.1				
					Bottom	6.6	0.4	296	17.0	17.0	8.1	8.1	29.5	29.5	104.0	104.0	8.4	8.4	5.6	5.6	8	92	92	92			<0.2	1.1	<0.2	1.1				
						6.6	0.4	306	16.9	16.9	8.1	8.1	29.5	29.5	104.0	104.0	8.4	8.4	5.6	5.6	8	93	93	93			<0.2	1.1	<0.2	1.1				
						6.6	0.4	306	16.9	16.9	8.1	8.1	29.5	29.5	104.0	104.0	8.4	8.4	5.6	5.6	8	93	93	93			<0.2	1.1	<0.2	1.1				
IM11	Cloudy	Moderate	13:05	7.3	Surface	1.0	0.5	293	17.1	17.1	8.1	8.1	29.7	29.7	103.0	103.0	8.3	8.3	4.3	4.3	5	88	89	89	822074	811452	<0.2	1.0	<0.2	1.0				
						1.0	0.5	300	17.1	17.1	8.1	8.1	29.7	29.7	103.0	103.0	8.3	8.3	4.3	4.3	4	88	89	89			<0.2	1.0	<0.2	1.0				
						3.7	0.5	291	17.1	17.1	8.1	8.1	29.7	29.7	102.1	102.1	8.2	8.2	4.9	4.9	6	89	89	89			<0.2	1.0	<0.2	1.0				
					Middle	3.7	0.5	291	17.1	17.1	8.1	8.1	29.7	29.7	102.0	102.0	8.2	8.2	5.0	5.0	6	89	89	89			<0.2	1.0	<0.2	0.9				
						6.3	0.4	300	17.1	17.1	8.1	8.1	29.7	29.7	102.2	102.2	8.2	8.2	6.8	6.8	7	90	90	90			<0.2	1.0	<0.2	1.0				
						6.3	0.4	319	17.1	17.1	8.1	8.1	29.7	29.7	102.3	102.3	8.3	8.3	6.7	6.7	8	91	91	91			<0.2	1.1	<0.2	1.1				
					Bottom	6.3	0.4	300	17.1	17.1	8.1	8.1	29.7	29.7	102.2	102.2	8.2	8.2	6.8	6.8	7	90	90	90			<0.2	1.0	<0.2	1.0				
						6.3	0.4	319	17.1	17.1	8.1	8.1	29.7	29.7	102.3	102.3	8.3	8.3	6.7	6.7	8	91	91	91			<0.2	1.1	<0.2	1.1				
						6.3	0.4	319	17.1	17.1	8.1	8.1	29.7	29.7	102.3	102.3	8.3	8.3	6.7	6.7	8	91	91	91			<0.2	1.1	<0.2	1.1				
IM12	Cloudy	Moderate	13:14	8.9	Surface	1.0	0.4	271	17.1	17.1	8.1	8.1	29.8	29.8	102.2	102.2	8.2	8.2	5.5	5.5	6	88	89	89	821455	812038	<0.2	1.0	<0.2	1.0				
						1.0	0.4	274	17.1	17.1	8.1	8.1	29.8	29.8	102.2	102.2	8.2	8.2	5.5	5.5	6	89	89	89			<0.2	1.0	<0.2	1.0				
						4.5	0.4	274	17.1	17.1	8.1	8.1	29.8	29.8	102.2	102.2	8.2	8.2	5.5	5.5	7	90	90	90			<0.2	0.8	<0.2	0.9				
					Middle	4.5	0.5	285	17.1	17.1	8.1	8.1	29.8	29.8	102.2	102.2	8.2	8.2	5.5	5.5	8	91	91	91			<0.2	0.9	<0.2	0.8				
						7.9	0.4	278	17.1	17.1	8.1	8.1	29.8	29.8	102.7	102.7	8.3	8.3	5.8	5.8	8	93	93	93			<0.2	0.9	<0.2	0.8				
						7.9	0.4	283	17.1	17.1	8.1	8.1	29.8	29.8	102.8	102.8	8.3	8.3	5.8	5.8	9	92	92	92			<0.2	0.8	<0.2	0.8				
					Bottom	7.9	0.4	278	17.1	17.1	8.1	8.1	29.8	29.8	102.7	102.7	8.3	8.3	5.8	5.8	8	93	93	93			<0.2	0.9	<0.2	0.8				
						7.9	0.4	283	17.1	17.1	8.1	8.1	29.8	29.8	102.8	102.8	8.3	8.3	5.8	5.8	9	92	92	92			<0.2	0.8	<0.2	0.8				
						7.9	0.4	283	17.1	17.1	8.1	8.1	29.8	29.8	102.8	102.8	8.3	8.3	5.8	5.8	9	92	92	92			<0.2	0.8	<0.2	0.8				
SR1A	Cloudy	Calm	13:50	5.2	Surface	1.0	-	-	17.2	17.2	8.1	8.1	29.8	29.8	103.6	103.6	8.3	8.3	4.2	4.2	5	-	-	-	819980	812665	-	-	-	-				
						1.0	-	-	17.2	17.2	8.1	8.1	29.8	29.8	103.6	103.6	8.3	8.3	4.2	4.2	6	-	-	-			-	-	-	-				
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-		
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						4.2	-	-	17.1	17.1	8.1	8.1	29.8	29.8	103.7	103.8	8.4	8.4	4.2	4.2	7	-	-	-			-	-	-	-	-	-		
						4.2	-	-	17.1	17.1	8.1	8.1	29.8	29.8	103.8	103.8	8.4	8.4	4.2	4.2	7	-	-	-			-	-	-	-	-	-		
					Bottom	4.2	-	-	17.1	17.1	8.1	8.1	29.8	29.8	103.8	103.8	8.4	8.4	4.2	4.2	7	-	-	-			-	-	-	-	-	-		
						4.2	-	-	17.1	17.1	8.1	8.1	29.8	29.8	103.8	103.8	8.4	8.4	4.2	4.2	7	-	-	-			-	-	-	-	-	-		
						4.2	-	-	17.1	17.1	8.1	8.1	29.8	29.8	103.8	103.8	8.4	8.4	4.2	4.2	7	-	-	-			-	-	-	-	-			
SR2	Cloudy	Moderate	14:06	4.2	Surface	1.0	0.1	84	17.2	17.2	8.1	8.1	29.9	29.9	104.4	104.4	8.4	8.4	4.4	4.4	7	89	89	89	821475	814160	<0.2	0.8	<0.2	0.9				
						1.0	0.1	88	17.2	17.2	8.1	8.1	29.9	29.9	104.4	104.4	8.4	8.4	4.5	4.5	6	88	88	88			<0.2	0.9	<0.2	0.9				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	
						3.2	0.1	73	17.2	17.2	8.1	8.1	29.9	29.9	104.5	104.5	8.4	8.4	4.9	4.9	4	91	91	91			<0.2	0.8	<0.2	0.9				
						3.2	0.1	75	17.2	17.2	8.1	8.1	29.9	29.9	104.5	104.5	8.4	8.4	4.9	4.9	6	91	91	91			<0.2	0.8	<0.2	0.9				
					Bottom	3.2	0.1	73	17.2																									

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

Water Quality Monitoring Results on 09 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	09:18	8.4	Surface	1.0	0.2	178	15.9	15.9	8.2	8.2	30.7	30.7	100.7	100.7	8.3	8.3	7.6	8	86	89	89	815617	804269	<0.2	0.6	<0.2	0.5					
						1.0	0.2	178	15.9	15.9	8.2	8.2	30.7	30.7	100.7	100.7	8.3	8.3	7.6	8	87	89	89	815617	804269	<0.2	0.5	<0.2	0.5					
						4.2	0.2	169	15.9	15.9	8.2	8.2	30.7	30.7	100.8	100.8	8.3	8.3	7.5	10	89	89	89	815617	804269	<0.2	0.5	<0.2	0.5					
					Middle	4.2	0.2	178	15.9	15.9	8.2	8.2	30.7	30.7	100.8	100.8	8.3	8.3	7.5	10	89	89	89	815617	804269	<0.2	0.5	<0.2	0.5					
						7.4	0.1	153	15.9	15.9	8.2	8.2	30.7	30.7	101.5	101.5	8.3	8.3	7.6	11	91	91	91	815617	804269	<0.2	0.6	<0.2	0.6					
						7.4	0.1	154	15.9	15.9	8.2	8.2	30.7	30.7	101.6	101.6	8.3	8.3	7.6	11	92	92	92	815617	804269	<0.2	0.5	<0.2	0.5					
					C2	Fine	Moderate	11:18	10.8	Surface	1.0	0.2	135	16.8	16.8	8.2	8.2	31.8	31.8	100.1	100.1	8.0	8.0	5.2	3	88	92	92	825665	806950	<0.2	0.8	<0.2	0.8
											1.0	0.2	138	16.8	16.8	8.2	8.2	31.8	31.8	100.1	100.1	8.0	8.0	5.2	4	88	92	92	825665	806950	<0.2	0.8	<0.2	0.8
											5.4	0.5	154	16.7	16.7	8.2	8.2	31.8	31.8	99.6	99.6	8.0	8.0	5.3	5	92	92	92	825665	806950	<0.2	0.8	<0.2	0.8
Middle	5.4	0.5	160	16.7						16.7	8.2	8.2	31.8	31.8	99.6	99.6	8.0	8.0	5.3	5	92	92	92	825665	806950	<0.2	0.8	<0.2	0.8					
	9.8	0.5	144	16.5						16.5	8.2	8.2	31.8	31.8	99.6	99.6	8.0	8.0	5.7	6	96	96	96	825665	806950	<0.2	0.9	<0.2	0.9					
	9.8	0.5	146	16.5						16.5	8.2	8.2	31.8	31.8	99.7	99.7	8.0	8.0	5.7	6	95	95	95	825665	806950	<0.2	0.9	<0.2	0.9					
C3	Cloudy	Moderate	08:36	12.3						Surface	1.0	0.4	286	17.6	17.6	8.2	8.2	32.5	32.5	100.9	100.9	7.9	7.9	5.4	7	84	88	88	822092	817820	<0.2	0.7	<0.2	0.6
											1.0	0.4	295	17.6	17.6	8.2	8.2	32.5	32.5	100.9	100.9	7.9	7.9	5.5	7	84	88	88	822092	817820	<0.2	0.6	<0.2	0.6
											6.2	0.2	257	17.6	17.6	8.2	8.2	32.5	32.5	101.0	101.0	7.9	7.9	6.0	6	88	88	88	822092	817820	<0.2	0.6	<0.2	0.6
					Middle	6.2	0.2	263	17.6	17.6	8.2	8.2	32.5	32.5	100.9	100.9	7.9	7.9	6.0	6	88	88	88	822092	817820	<0.2	0.6	<0.2	0.6					
						11.3	0.1	120	17.6	17.6	8.2	8.2	32.5	32.5	100.7	100.7	7.9	7.9	5.9	6	91	91	91	822092	817820	<0.2	0.7	<0.2	0.7					
						11.3	0.1	126	17.6	17.6	8.2	8.2	32.5	32.5	100.6	100.6	7.9	7.9	6.0	6	91	91	91	822092	817820	<0.2	0.7	<0.2	0.7					
					IM1	Cloudy	Rough	09:40	4.9	Surface	1.0	0.0	65	15.1	15.1	8.2	8.2	30.2	30.2	100.1	100.1	8.4	8.4	6.6	9	88	89	89	817972	807150	<0.2	0.8	<0.2	0.6
											1.0	0.0	66	15.1	15.1	8.2	8.2	30.2	30.2	100.1	100.1	8.4	8.4	6.6	9	87	89	89	817972	807150	<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	3.9	0.0	49	15.0						15.0	8.2	8.2	30.3	30.3	101.4	101.4	8.5	8.5	7.8	7	90	89	89	817972	807150	<0.2	0.7	<0.2	0.6					
	3.9	0.0	51	15.0						15.0	8.2	8.2	30.3	30.3	101.6	101.6	8.5	8.5	7.7	7	89	89	89	817972	807150	<0.2	0.6	<0.2	0.6					
IM2	Cloudy	Rough	09:49	6.8						Surface	1.0	0.1	186	15.5	15.5	8.2	8.2	30.4	30.4	100.1	100.1	8.3	8.3	6.9	10	85	88	88	818186	806149	<0.2	0.6	<0.2	0.6
											1.0	0.1	189	15.5	15.5	8.2	8.2	30.4	30.4	100.1	100.1	8.3	8.3	6.9	10	85	88	88	818186	806149	<0.2	0.7	<0.2	0.6
											3.4	0.1	193	15.5	15.5	8.2	8.2	30.4	30.4	99.7	99.7	8.3	8.3	7.1	10	88	88	88	818186	806149	<0.2	0.6	<0.2	0.6
					Middle	3.4	0.1	210	15.5	15.5	8.2	8.2	30.4	30.4	99.7	99.7	8.3	8.3	7.2	10	88	88	88	818186	806149	<0.2	0.6	<0.2	0.6					
						5.8	0.1	175	15.5	15.5	8.2	8.2	30.4	30.4	99.6	99.6	8.3	8.3	8.5	9	90	90	90	818186	806149	<0.2	0.6	<0.2	0.6					
						5.8	0.1	177	15.5	15.5	8.2	8.2	30.4	30.4	99.6	99.6	8.3	8.3	8.5	9	90	90	90	818186	806149	<0.2	0.6	<0.2	0.6					
					IM3	Cloudy	Rough	09:55	7.0	Surface	1.0	0.1	178	15.4	15.4	8.2	8.2	30.4	30.4	100.3	100.3	8.3	8.3	6.1	6	85	88	88	818785	805607	<0.2	0.6	<0.2	0.6
											1.0	0.1	188	15.4	15.4	8.2	8.2	30.4	30.4	100.3	100.3	8.3	8.3	6.1	6	85	88	88	818785	805607	<0.2	0.6	<0.2	0.6
											3.5	0.0	134	15.4	15.4	8.2	8.2	30.4	30.4	100.0	100.0	8.3	8.3	9.0	8	87	88	88	818785	805607	<0.2	0.6	<0.2	0.6
Middle	3.5	0.0	146	15.4						15.4	8.2	8.2	30.4	30.4	100.0	100.0	8.3	8.3	9.2	8	88	88	88	818785	805607	<0.2	0.6	<0.2	0.6					
	6.0	0.1	156	15.4						15.4	8.1	8.1	30.4	30.4	99.9	99.9	8.3	8.3	7.7	9	90	90	90	818785	805607	<0.2	0.7	<0.2	0.6					
	6.0	0.1	163	15.4						15.4	8.1	8.1	30.4	30.4	99.9	99.9	8.3	8.3	7.7	9	90	90	90	818785	805607	<0.2	0.7	<0.2	0.6					
IM4	Cloudy	Rough	10:06	8.2						Surface	1.0	0.4	180	15.3	15.3	8.2	8.2	30.4	30.4	100.5	100.5	8.4	8.4	7.1	10	85	88	88	819726	804630	<0.2	0.6	<0.2	0.6
											1.0	0.5	192	15.3	15.3	8.2	8.2	30.4	30.4	100.5	100.5	8.4	8.4	7.1	10	85	88	88	819726	804630	<0.2	0.6	<0.2	0.6
											4.1	0.3	172	15.3	15.3	8.1	8.1	30.4	30.4	100.2	100.2	8.3	8.3	7.2	9	88	88	88	819726	804630	<0.2	0.6	<0.2	0.6
					Middle	4.1	0.4	180	15.3	15.3	8.1	8.1	30.4	30.4	100.2	100.2	8.3	8.3	7.2	10	87	88	88	819726	804630	<0.2	0.6	<0.2	0.6					
						7.2	0.4	167	15.3	15.3	8.1	8.1	30.5	30.5	102.3	102.3	8.5	8.5	8.1	8	90	89	89	819726	804630	<0.2	0.6	<0.2	0.6					
						7.2	0.5	181	15.3	15.3	8.1	8.1	30.5	30.5	102.4	102.4	8.5	8.5	8.1	8	89	89	89	819726	804630	<0.2	0.6	<0.2	0.6					
					IM5	Cloudy	Moderate	10:16	7.5	Surface	1.0	0.3	193	15.3	15.3	8.2	8.2	30.4	30.4	100.0	100.0	8.3	8.3	8.4	9	85	88	88	820746	804890	<0.2	0.6	<0.2	0.6
											1.0	0.3	210	15.3	15.3	8.2	8.2	30.4	30.4	100.0	100.0	8.3	8.3	8.4	9	85	88	88	820746	804890	<0.2	0.6	<0.2	0.6
											3.8	0.3	201	15.3	15.3	8.2	8.2	30.4	30.4	99.8	99.8	8.3	8.3	8.5	9	88	87	87	820746	804890	<0.2	0.7	<0.2	0.6
Middle	3.8	0.3	220	15.3						15.3	8.2	8.2	30.4	30.4	99.8	99.8	8.3	8.3	8.5	9	87	87	87	820746	804890	<0.2	0.6	<0.2	0.6					
	6.5	0.3	183	15.3						15.3	8.1	8.1	30.4	30.4	99.9	99.9	8.3	8.3	8.9	10	89	89	89	820746	804890	<0.2	0.7	<0.2	0.6					
	6.5	0.3	194	15.3						15.3	8.1																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 09 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	14:50	8.2	Surface	1.0	0.4	31	15.9	15.9	8.2	8.2	30.7	30.7	104.5	104.5	8.6	8.6	5.7	5.7	10	10	86	86	89	815641	804249	<0.2	0.5	<0.2	0.5								
						1.0	0.4	32	15.9	15.9	8.2	8.2	30.7	30.7	104.5	104.5	8.6	8.6	5.7	5.7	10	10	86	86				<0.2	0.5	<0.2	0.5								
						4.1	0.4	34	16.0	16.0	8.2	8.2	30.7	30.7	104.4	104.4	8.6	8.6	6.5	6.5	7	7	89	89				<0.2	0.5	<0.2	0.5								
					Middle	4.1	0.4	37	16.0	16.0	8.2	8.2	30.7	30.7	104.4	104.4	8.6	8.6	6.6	6.6	7	7	89	89				<0.2	0.5	<0.2	0.5								
						7.2	0.3	30	16.0	16.0	8.2	8.2	30.7	30.7	105.5	105.5	8.7	8.7	8.8	8.8	6	6	91	91				<0.2	0.4	<0.2	0.4								
						7.2	0.3	31	16.0	16.0	8.2	8.2	30.7	30.7	105.6	105.6	8.7	8.7	8.8	8.8	7	7	92	92				<0.2	0.6	<0.2	0.6								
					C2	Cloudy	Moderate	13:41	10.5	Surface	1.0	0.3	350	16.6	16.6	8.2	8.2	31.9	31.9	100.9	100.9	8.1	8.1	5.4				5.4	8	8	83	83	87	825667	806953	<0.2	0.7	<0.2	0.8
											1.0	0.3	322	16.6	16.6	8.2	8.2	31.9	31.9	100.9	100.9	8.1	8.1	5.4				5.4	8	8	83	83				<0.2	0.8	<0.2	0.8
											5.3	0.4	28	16.6	16.6	8.2	8.2	31.9	31.9	100.3	100.3	8.1	8.1	5.4				5.4	6	6	87	87				<0.2	0.7	<0.2	0.7
Middle	5.3	0.4	29	16.6						16.6	8.2	8.2	31.9	31.9	100.2	100.2	8.1	8.1	5.4	5.4	5	5	87	87	<0.2	0.7	<0.2	0.7											
	9.5	0.4	346	16.6						16.6	8.2	8.2	31.9	31.9	100.4	100.4	8.1	8.1	5.5	5.5	5	5	90	90	<0.2	0.8	<0.2	0.8											
	9.5	0.4	347	16.6						16.6	8.2	8.2	31.9	31.9	100.4	100.4	8.1	8.1	5.5	5.5	5	5	90	90	<0.2	0.8	<0.2	0.8											
C3	Cloudy	Moderate	16:15	11.8						Surface	1.0	0.3	241	17.6	17.6	8.3	8.3	32.5	32.5	105.0	105.0	8.3	8.3	6.3	6.3	6	6	87	87	91	822122	817819				<0.2	0.5	<0.2	0.5
											1.0	0.3	261	17.6	17.6	8.3	8.3	32.5	32.5	104.9	104.9	8.2	8.2	6.4	6.4	6	6	87	87							<0.2	0.5	<0.2	0.5
											5.9	0.4	252	17.6	17.6	8.3	8.3	32.5	32.5	104.2	104.2	8.2	8.2	7.4	7.4	6	6	91	91							<0.2	0.5	<0.2	0.5
					Middle	5.9	0.4	269	17.6	17.6	8.3	8.3	32.5	32.5	104.3	104.3	8.2	8.2	7.5	7.5	6	6	91	91	<0.2	0.6	<0.2	0.6											
						10.8	0.4	266	17.6	17.6	8.3	8.3	32.5	32.5	104.4	104.4	8.2	8.2	8.9	8.9	7	7	94	94	<0.2	0.5	<0.2	0.5											
						10.8	0.4	289	17.6	17.6	8.3	8.3	32.5	32.5	104.2	104.2	8.2	8.2	8.9	8.9	7	7	94	94	<0.2	0.6	<0.2	0.6											
					IM1	Cloudy	Moderate	14:28	5.0	Surface	1.0	0.2	14	15.3	15.3	8.2	8.2	30.4	30.4	103.9	103.9	8.7	8.7	5.5	5.5	6	6	86	86				88	817965	807123	<0.2	0.6	<0.2	0.6
											1.0	0.2	14	15.3	15.3	8.2	8.2	30.4	30.4	103.8	103.8	8.7	8.7	5.6	5.6	7	7	87	87							<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	<0.2
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	0.6	<0.2	0.6								
	4.0	0.1	15	15.2						15.2	8.1	8.1	30.4	30.4	103.6	103.6	8.6	8.6	6.0	6.0	5	5	89	89	<0.2	0.6	<0.2	0.6											
	4.0	0.1	16	15.2						15.2	8.1	8.1	30.4	30.4	103.7	103.7	8.7	8.7	6.0	6.0	5	5	89	89	<0.2	0.6	<0.2	0.6											
IM2	Cloudy	Moderate	14:20	6.9						Surface	1.0	0.2	351	15.4	15.4	8.2	8.2	30.3	30.3	106.0	106.0	8.8	8.8	4.9	4.9	5	5	85	85	87	818166	806175				<0.2	0.6	<0.2	0.7
											1.0	0.2	323	15.4	15.4	8.2	8.2	30.3	30.3	105.9	105.9	8.8	8.8	4.9	4.9	5	5	86	86							<0.2	0.7	<0.2	0.7
											3.5	0.2	0	15.5	15.5	8.2	8.2	30.3	30.3	104.9	104.9	8.7	8.7	5.2	5.2	7	7	87	87							<0.2	0.7	<0.2	0.7
					Middle	3.5	0.2	0	15.5	15.5	8.2	8.2	30.3	30.3	104.9	104.9	8.7	8.7	5.2	5.2	7	7	88	88	<0.2	0.6	<0.2	0.6											
						5.9	0.2	13	15.5	15.5	8.1	8.1	30.5	30.5	104.5	104.5	8.7	8.7	6.5	6.5	8	8	89	89	<0.2	0.7	<0.2	0.7											
						5.9	0.2	13	15.5	15.5	8.1	8.1	30.5	30.5	104.6	104.6	8.7	8.7	6.5	6.5	8	8	89	89	<0.2	0.7	<0.2	0.7											
					IM3	Cloudy	Moderate	14:13	7.1	Surface	1.0	0.2	19	15.3	15.3	8.2	8.2	30.3	30.3	103.9	103.9	8.7	8.7	5.7	5.7	7	7	85	85				87	818787	805586	<0.2	0.7	<0.2	0.7
											1.0	0.2	19	15.3	15.3	8.2	8.2	30.3	30.3	103.9	103.9	8.7	8.7	5.7	5.7	7	7	85	85							<0.2	0.7	<0.2	0.7
											3.6	0.1	0	15.3	15.3	8.2	8.2	30.3	30.3	103.4	103.4	8.6	8.6	5.8	5.8	8	8	88	88							<0.2	0.7	<0.2	0.7
Middle	3.6	0.1	0	15.3						15.3	8.2	8.2	30.3	30.3	103.4	103.4	8.6	8.6	5.8	5.8	8	8	87	87	<0.2	0.6	<0.2	0.6											
	6.1	0.1	0	15.3						15.3	8.2	8.2	30.3	30.3	103.2	103.2	8.6	8.6	6.9	6.9	8	8	89	89	<0.2	0.7	<0.2	0.7											
	6.1	0.1	0	15.3						15.3	8.2	8.2	30.3	30.3	103.2	103.2	8.6	8.6	7.1	7.1	9	9	90	90	<0.2	0.6	<0.2	0.6											
IM4	Cloudy	Moderate	14:04	7.4						Surface	1.0	0.3	17	15.3	15.3	8.2	8.2	30.2	30.2	104.4	104.4	8.7	8.7	5.6	5.6	5	5	85	85	87	819728	804588				<0.2	0.7	<0.2	0.7
											1.0	0.3	18	15.3	15.3	8.2	8.2	30.2	30.2	104.4	104.4	8.7	8.7	5.6	5.6	5	5	84	84							<0.2	0.7	<0.2	0.7
											3.7	0.3	18	15.3	15.3	8.2	8.2	30.2	30.2	104.2	104.2	8.7	8.7	5.7	5.7	6	6	87	87							<0.2	0.7	<0.2	0.7
					Middle	3.7	0.3	18	15.3	15.3	8.2	8.2	30.2	30.2	104.2	104.2	8.7	8.7	5.7	5.7	6	6	88	88	<0.2	0.8	<0.2	0.8											
						6.4	0.2	3	15.3	15.3	8.1	8.1	30.2	30.2	106.2	106.2	8.9	8.9	6.4	6.4	7	7	89	89	<0.2	0.7	<0.2	0.7											
						6.4	0.2	3	15.3	15.3	8.1	8.1	30.2	30.2	106.2	106.2	8.9	8.9	6.4	6.4	8	8	89	89	<0.2	0.8	<0.2	0.8											
					IM5	Cloudy	Moderate	13:56	7.5	Surface	1.0	0.3	15	15.3	15.3	8.2	8.2	30.2	30.2	104.8	104.8	8.7	8.7	5.2	5.2	5	5	84	84				87	820727	804871	<0.2	0.8	<0.2	0.8
											1.0	0.3	16	15.3	15.3	8.2	8.2	30.2	30.2	104.8	104.8	8.7	8.7	5.2	5.2	5	5	85	85							<0.2	0.7	<0.2	0.7
											3.8	0.3	8	15.3	15.3	8.2	8.2	30.2	30.2	104.6	104.6	8.7	8.7	5.3	5.3	5	5	87	87							<0.2	0.8	<0.2	0.8
Middle	3.8	0.3	8	15.3						15.3	8.2	8.2	30.2	30.2	104.6	104.6	8.7	8.7	5.4	5.4	6	6	86	86	<0.2	0.8	<0.2	0.8											
	6.5	0.2	29	15.3						15.3	8.2	8.2	30.2	30.2	105.1	105.1	8.8	8.8	5.7	5.7	6	6	89	89	<0.2	0.7	<0.2	0.7											
	6.5	0.2	29	15.3						15.3	8.3	8.3	30.2	30.2	105.2	105.2	8.8	8.8	5.6	5.6	6	6	89	89	<0.2	0.7	<0.2	0.7											
IM6	Cloudy	Moderate	13:47	7.2						Surface	1.0	0.0	336	15.7	15.7	8.2	8.2	30.2	30.2	104.0	104.0	8.6	8.6	4.9	4.9	5	5	84	84	87	821057	805815				<0.2	0.8	<0.2	0.8
											1.0	0.0	358	15.7	15.7	8.2	8.2	30.2	30.2	104.0	104.0	8.6	8.6	4.9	4.9	5	5	85	85							<0.2	0.8	<0.2	0.8
											3.6	0.1	18	15.6	15.6	8.2	8.2	30.2	30.2	103.9	103.9	8.6	8.6	5.5	5.5	6	6	87	87							<0.2	0.8	<0.2	0.8
					Middle	3.6	0.1	19	15.6	15.6	8.2	8.2	30.2	30.2	103.9	103.9	8.6	8.6	5.6	5.6	6	6	87	87	<0.2	0.8	<0.2	0.8											
						6.2	0.1	26	15.5	15.5	8.1	8.1	30.2	30.2	105.7	105.7	8.8	8.8	7.7	7.7	6	6	89	89	<0.2	0.7	<0.2	0.7											
						6.2	0.1	27	15.5	15.5	8.1	8																											

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

Water Quality Monitoring Results on 09 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)								
						Speed (m/s)	Direction	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	Value	DA			
IM9	Cloudy	Moderate	14:27	7.3	Surface	1.0	0.3	256	16.1	16.1	8.2	8.2	31.7	31.7	103.6	103.6	8.4	8.4	5.6	5.6	4	4	88	88	91	822085	808808	<0.2	0.8	<0.2	0.8					
						1.0	0.3	258	16.1	16.1	8.2	8.2	31.7	31.7	103.6	103.6	8.4	8.4	5.6	5.6	4	4	87	87	91	822085	808808	<0.2	0.8	<0.2	0.8					
						3.7	0.3	252	16.2	16.2	8.2	8.2	31.7	31.7	102.8	102.8	8.3	8.3	5.9	5.9	5	5	91	91	91	822085	808808	<0.2	0.8	<0.2	0.8					
					Middle	3.7	0.3	261	16.2	16.2	8.2	8.2	31.7	31.7	102.8	102.8	8.3	8.3	5.9	5.9	5	5	91	91	91	822085	808808	<0.2	0.8	<0.2	0.8					
						6.3	0.3	262	16.1	16.1	8.2	8.2	31.7	31.7	103.5	103.5	8.4	8.4	6.4	6.4	5	5	95	95	95	822085	808808	<0.2	0.7	<0.2	0.8					
						6.3	0.3	273	16.1	16.1	8.2	8.2	31.7	31.7	103.5	103.5	8.4	8.4	6.4	6.4	6	6	95	95	95	822085	808808	<0.2	0.7	<0.2	0.8					
					IM10	Cloudy	Moderate	14:36	7.5	Surface	1.0	0.4	285	16.3	16.3	8.2	8.2	31.8	31.8	103.2	103.2	8.4	8.4	5.6	5.6	4	4	87	87	91	822380	809799	<0.2	0.7	<0.2	0.7
											1.0	0.5	307	16.3	16.3	8.2	8.2	31.8	31.8	103.3	103.3	8.4	8.4	5.6	5.6	5	5	87	87	91	822380	809799	<0.2	0.7	<0.2	0.7
											3.8	0.5	293	16.3	16.3	8.2	8.2	31.8	31.8	102.7	102.8	8.3	8.3	5.3	5.3	7	7	91	91	91	822380	809799	<0.2	0.7	<0.2	0.7
Middle	3.8	0.5	315	16.3						16.3	8.2	8.2	31.8	31.8	102.8	102.8	8.3	8.3	5.3	5.3	7	7	91	91	91	822380	809799	<0.2	0.7	<0.2	0.7					
	6.5	0.3	281	16.3						16.3	8.2	8.2	31.8	31.8	103.1	103.1	8.3	8.3	6.0	6.0	7	7	94	94	94	822380	809799	<0.2	0.7	<0.2	0.7					
	6.5	0.4	307	16.3						16.3	8.2	8.2	31.8	31.8	103.0	103.0	8.3	8.3	6.0	6.0	7	7	95	95	95	822380	809799	<0.2	0.7	<0.2	0.8					
IM11	Cloudy	Moderate	14:50	8.3						Surface	1.0	0.4	306	17.1	17.1	8.2	8.2	32.2	32.2	103.7	103.7	8.2	8.2	5.3	5.3	8	8	87	87	91	822035	811448	<0.2	0.6	<0.2	0.7
											1.0	0.4	325	17.1	17.1	8.2	8.2	32.2	32.2	103.6	103.6	8.2	8.2	5.2	5.2	8	8	87	87	91	822035	811448	<0.2	0.6	<0.2	0.7
											4.2	0.4	292	17.1	17.1	8.2	8.2	32.2	32.2	103.4	103.4	8.2	8.2	5.3	5.3	6	6	92	92	92	822035	811448	<0.2	0.6	<0.2	0.6
					Middle	4.2	0.5	318	17.1	17.1	8.2	8.2	32.2	32.2	103.3	103.3	8.2	8.2	5.3	5.3	6	6	92	92	92	822035	811448	<0.2	0.6	<0.2	0.6					
						7.3	0.3	275	17.1	17.1	8.2	8.2	32.2	32.2	104.4	104.4	8.3	8.3	6.0	6.0	5	5	95	95	95	822035	811448	<0.2	0.6	<0.2	0.6					
						7.3	0.4	275	17.1	17.1	8.2	8.2	32.2	32.2	104.3	104.3	8.3	8.3	6.0	6.0	5	5	95	95	95	822035	811448	<0.2	0.6	<0.2	0.7					
					IM12	Cloudy	Moderate	14:59	7.8	Surface	1.0	0.4	289	17.2	17.2	8.2	8.2	32.2	32.2	106.0	106.0	8.4	8.4	5.3	5.3	4	4	87	87	91	821451	812042	<0.2	0.7	<0.2	0.6
											1.0	0.5	303	17.2	17.2	8.2	8.2	32.2	32.2	106.0	106.0	8.4	8.4	5.3	5.3	4	4	87	87	91	821451	812042	<0.2	0.6	<0.2	0.6
											3.9	0.4	296	17.3	17.3	8.2	8.2	32.3	32.3	106.1	106.1	8.4	8.4	5.3	5.3	5	5	92	92	91	821451	812042	<0.2	0.7	<0.2	0.6
Middle	3.9	0.4	309	17.3						17.3	8.2	8.2	32.3	32.3	106.0	106.0	8.4	8.4	5.3	5.3	5	5	91	91	91	821451	812042	<0.2	0.6	<0.2	0.7					
	6.8	0.4	275	17.3						17.3	8.2	8.2	32.3	32.3	105.7	105.8	8.4	8.4	5.4	5.4	6	6	95	95	95	821451	812042	<0.2	0.6	<0.2	0.6					
	6.8	0.4	285	17.3						17.3	8.2	8.2	32.3	32.3	105.8	105.8	8.4	8.4	5.4	5.4	6	6	95	95	95	821451	812042	<0.2	0.6	<0.2	0.6					
SR1A	Cloudy	Calm	15:34	5.6						Surface	1.0	-	-	16.0	16.0	8.2	8.2	31.8	31.8	102.2	102.2	8.3	8.3	5.1	5.1	5	5	-	-	-	819977	812655	-	-	-	-
											1.0	-	-	16.0	16.0	8.2	8.2	31.8	31.8	102.1	102.1	8.3	8.3	5.1	5.1	5	5	-	-	-	819977	812655	-	-	-	-
											2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819977	812655	-	-
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819977	812655	-	-	-	-			
						4.6	-	-	16.0	16.0	8.2	8.2	31.8	31.8	104.5	104.6	8.5	8.5	5.0	5.0	7	7	-	-	-	819977	812655	-	-	-	-					
						4.6	-	-	16.0	16.0	8.2	8.2	31.8	31.8	104.7	104.7	8.5	8.5	5.0	5.0	7	7	-	-	-	819977	812655	-	-	-	-					
					SR2	Cloudy	Moderate	15:50	5.0	Surface	1.0	0.2	41	17.2	17.2	8.2	8.2	32.2	32.2	105.3	105.3	8.3	8.3	5.5	5.5	6	6	87	87	89	821476	814189	<0.2	0.7	<0.2	0.6
											1.0	0.2	41	17.2	17.2	8.2	8.2	32.2	32.2	105.3	105.3	8.4	8.4	5.6	5.6	6	6	87	87	89	821476	814189	<0.2	0.6	<0.2	0.6
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821476	814189	<0.2	0.6
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821476	814189	<0.2	0.6	<0.2	0.6			
	4.0	0.2	46	17.2						17.2	8.2	8.2	32.2	32.2	106.3	106.3	8.4	8.4	5.9	5.9	4	4	91	91	91	821476	814189	<0.2	0.6	<0.2	0.6					
	4.0	0.2	46	17.2						17.2	8.2	8.2	32.2	32.2	106.3	106.3	8.4	8.4	6.0	6.0	4	4	91	91	91	821476	814189	<0.2	0.6	<0.2	0.6					
SR3	Cloudy	Moderate	14:11	8.8						Surface	1.0	0.1	318	16.4	16.4	8.2	8.2	31.8	31.8	103.7	103.7	8.4	8.4	5.4	5.4	3	3	-	-	-	822162	807553	-	-	-	-
											1.0	0.1	341	16.4	16.4	8.2	8.2	31.8	31.8	103.7	103.7	8.4	8.4	5.4	5.4	3	3	-	-	-	822162	807553	-	-	-	-
											4.4	0.1	261	16.4	16.4	8.2	8.2	31.8	31.8	103.0	103.1	8.3	8.3	6.4	6.4	4	4	-	-	-	822162	807553	-	-	-	-
					Middle	4.4	0.1	266	16.4	16.4	8.2	8.2	31.8	31.8	103.1	103.1	8.3	8.3	6.4	6.4	4	4	-	-	-	822162	807553	-	-	-	-					
						7.8	0.1	264	16.3	16.3	8.2	8.2	31.8	31.8	102.6	102.5	8.3	8.3	14.2	14.2	4	4	-	-	-	822162	807553	-	-	-	-					
						7.8	0.1	278	16.3	16.3	8.2	8.2	31.8	31.8	102.4	102.4	8.3	8.3	14.3	14.3	4	4	-	-	-	822162	807553	-	-	-	-					
					SR4A	Cloudy	Calm	15:11	8.6	Surface	1.0	0.1	228	15.4	15.4	8.2	8.2	30.0	30.0	104.4	104.4	8.7	8.7	4.4	4.4	4	4	-	-	-	817195	807805	-	-	-	-
											1.0	0.1	230	15.4	15.4	8.2	8.2	30.0	30.0	104.3	104.3	8.7	8.7	4.4	4.4	4	4	-	-	-	817195	807805	-	-	-	-
											4.3	0.0	277	15.2	15.2	8.2	8.2	30.2	30.2	101.4	101.4	8.5	8.5	4.8	4.8	6	6	-	-	-	817195	807805	-	-	-	-
Middle	4.3	0.0	301	15.2						15.2	8.2	8.2	30.2	30.2	101.3	101.4	8.5	8.5	4.8	4.8	6	6	-	-	-	817195	807805	-	-	-	-					
	7.6	0.1	86	15.1						15.1	8.2	8.2	30.3	30.3	102.8	102.9	8.6	8.6	5.4	5.4	8	8	-	-	-	817195	807805	-	-	-	-					
	7.6	0.1	90	15.1						15.1	8.2	8.2	30.3	30.3	102.9	102.9	8.6	8.6	5.4	5.4	8	8	-	-	-	817195	807805	-	-	-	-					
SR5A	Cloudy	Calm	15:29	3.5						Surface	1.0	0.0	266	15.3	15.3	8.2	8.2	30.0	30.0	102.4	102.5	8.5	8.5	4.3	4.3	6	6	-	-	-	816581	810686	-	-	-	-
											1.0	0.0	290	15.3	15.3	8.2	8.2	30.0	30.0	102.5	102.5	8.5	8.5	4.3	4.3	6	6	-	-	-	816581	810686	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816581	810686	-	-
					Middle	-	-	-	-	-																										

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

Water Quality Monitoring Results on 12 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	
						Value	Average	Value	Average	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
C1	Sunny	Moderate	12:12	7.8	Surface	1.0	0.2	200	15.8	15.8	8.4	8.4	32.5	32.5	104.6	104.6	8.5	8.5	3.1	9	86	89	815613	804247	<0.2	0.6	0.7	0.7						
						1.0	0.2	211	15.8	15.8	8.4	8.4	32.5	32.5	104.6	104.6	8.5	8.5	3.2	8	86	89	815613	804247	<0.2	0.6	0.7	0.7						
						3.9	0.2	192	15.8	15.8	8.4	8.4	32.5	32.5	104.7	104.7	8.5	8.5	3.4	10	90	89	815613	804247	<0.2	0.6	0.7	0.7						
					Middle	3.9	0.2	201	15.8	15.8	8.4	8.4	32.5	32.5	104.5	104.5	8.5	8.5	3.6	10	90	89	815613	804247	<0.2	0.6	0.7	0.7						
						6.8	0.2	228	15.8	15.8	8.4	8.4	32.5	32.5	106.8	106.8	8.7	8.7	3.1	11	90	89	815613	804247	<0.2	0.6	0.7	0.7						
						6.8	0.2	246	15.8	15.8	8.4	8.4	32.5	32.5	106.8	106.8	8.7	8.7	3.1	11	91	89	815613	804247	<0.2	0.6	0.7	0.7						
					C2	Fine	Moderate	10:58	12.0	Surface	1.0	0.3	346	15.5	15.5	8.2	8.2	31.4	31.4	107.7	107.7	8.9	8.9	6.2	10	85	88	825697	806965	<0.2	0.6	0.7	0.7	
											1.0	0.3	353	15.5	15.5	8.2	8.2	31.4	31.4	107.7	107.7	8.9	8.9	6.2	10	85	88	825697	806965	<0.2	0.6	0.7	0.7	
											6.0	0.3	0	15.4	15.4	8.2	8.2	31.4	31.4	107.7	107.7	8.9	8.9	5.9	9	88	88	825697	806965	<0.2	0.6	0.7	0.7	
Middle	6.0	0.3	0	15.4						15.4	8.2	8.2	31.4	31.4	107.7	107.7	8.9	8.9	5.9	8	89	88	825697	806965	<0.2	0.6	0.7	0.7						
	11.0	0.3	29	15.4						15.4	8.2	8.2	31.3	31.3	107.6	107.6	8.9	8.9	5.6	8	90	88	825697	806965	<0.2	0.6	0.7	0.7						
	11.0	0.3	30	15.4						15.4	8.2	8.2	31.3	31.3	107.6	107.6	8.9	8.9	5.6	8	90	88	825697	806965	<0.2	0.6	0.7	0.7						
C3	Fine	Moderate	13:01	11.8						Surface	1.0	0.2	91	16.8	16.8	8.2	8.2	31.7	31.7	114.2	114.3	9.2	9.2	2.8	6	84	88	822127	817782	<0.2	0.6	0.7	0.7	
											1.0	0.2	99	16.8	16.8	8.2	8.2	31.7	31.7	114.3	114.3	9.2	9.2	2.8	6	85	88	822127	817782	<0.2	0.6	0.7	0.7	
											5.9	0.2	80	16.8	16.8	8.2	8.2	31.8	31.8	114.8	114.9	9.2	9.2	2.6	5	88	88	822127	817782	<0.2	0.6	0.7	0.7	
					Middle	5.9	0.2	81	16.8	16.8	8.2	8.2	31.8	31.8	114.9	114.9	9.2	9.2	2.7	4	89	88	822127	817782	<0.2	0.6	0.7	0.7						
						10.8	0.2	77	16.7	16.7	8.1	8.1	31.7	31.7	118.6	118.7	9.5	9.5	2.2	3	89	88	822127	817782	<0.2	0.6	0.7	0.7						
						10.8	0.2	79	16.7	16.7	8.1	8.1	31.7	31.7	118.8	118.8	9.5	9.5	2.1	3	90	89	822127	817782	<0.2	0.6	0.7	0.7						
					IM1	Sunny	Calm	11:45	4.8	Surface	1.0	0.2	154	16.2	16.2	8.4	8.4	32.5	32.5	104.2	104.2	8.4	8.4	1.8	4	85	87	817944	807137	<0.2	0.6	0.7	0.7	
											1.0	0.2	156	16.2	16.2	8.4	8.4	32.5	32.5	104.1	104.1	8.4	8.4	1.8	3	86	87	817944	807137	<0.2	0.6	0.7	0.7	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	3.8	0.2	181	16.1						16.1	8.4	8.4	32.5	32.5	104.2	104.1	8.4	8.4	1.7	5	88	87	817944	807137	<0.2	0.6	0.7	0.7						
	3.8	0.2	181	16.1						16.1	8.4	8.4	32.5	32.5	104.0	104.0	8.4	8.4	1.9	5	89	87	817944	807137	<0.2	0.6	0.7	0.7						
IM2	Sunny	Moderate	11:38	7.0						Surface	1.0	0.1	123	16.1	16.1	8.4	8.4	32.5	32.5	104.0	104.1	8.4	8.4	1.5	7	87	90	818141	806164	<0.2	0.6	0.7	0.7	
											1.0	0.1	125	16.1	16.1	8.4	8.4	32.5	32.5	104.1	104.1	8.4	8.4	1.5	7	86	90	818141	806164	<0.2	0.6	0.7	0.7	
											3.5	0.1	129	16.0	16.0	8.4	8.4	32.5	32.5	104.2	104.3	8.4	8.4	1.4	8	90	90	818141	806164	<0.2	0.6	0.7	0.7	
					Middle	3.5	0.1	136	16.0	16.0	8.4	8.4	32.5	32.5	104.3	104.3	8.4	8.4	1.5	8	90	90	818141	806164	<0.2	0.6	0.7	0.7						
						6.0	0.1	213	16.0	16.0	8.4	8.4	32.5	32.5	104.9	105.0	8.5	8.5	1.6	9	92	90	818141	806164	<0.2	0.6	0.7	0.7						
						6.0	0.1	224	16.0	16.0	8.4	8.4	32.5	32.5	105.1	105.0	8.5	8.5	1.6	9	93	90	818141	806164	<0.2	0.6	0.7	0.7						
					IM3	Sunny	Moderate	11:30	7.3	Surface	1.0	0.1	76	15.6	15.6	8.4	8.4	32.5	32.5	103.4	103.4	8.4	8.4	2.2	6	85	88	818776	805600	<0.2	0.6	0.6	0.6	
											1.0	0.1	80	15.6	15.6	8.4	8.4	32.5	32.5	103.3	103.3	8.4	8.4	2.4	6	86	88	818776	805600	<0.2	0.6	0.6	0.6	
											3.7	0.1	42	15.6	15.6	8.4	8.4	32.5	32.5	103.0	103.0	8.4	8.4	5.0	6	88	88	818776	805600	<0.2	0.6	0.6	0.6	
Middle	3.7	0.1	42	15.6						15.6	8.4	8.4	32.5	32.5	103.0	103.0	8.4	8.4	5.2	6	89	88	818776	805600	<0.2	0.6	0.6	0.6						
	6.3	0.1	254	15.5						15.5	8.4	8.4	32.5	32.5	102.6	102.8	8.4	8.4	6.6	7	90	88	818776	805600	<0.2	0.6	0.6	0.6						
	6.3	0.1	278	15.5						15.5	8.4	8.4	32.5	32.5	103.0	102.8	8.4	8.4	6.7	7	90	88	818776	805600	<0.2	0.6	0.6	0.6						
IM4	Sunny	Moderate	11:22	7.2						Surface	1.0	0.1	43	15.8	15.8	8.4	8.4	32.4	32.3	105.3	105.2	8.6	8.6	1.6	9	87	89	819734	804630	<0.2	0.6	0.6	0.6	
											1.0	0.1	43	15.8	15.8	8.4	8.4	32.3	32.3	105.1	105.1	8.6	8.6	1.6	9	87	89	819734	804630	<0.2	0.6	0.6	0.6	
											3.6	0.0	69	15.8	15.8	8.4	8.4	32.3	32.3	105.1	105.1	8.6	8.6	1.3	7	88	89	819734	804630	<0.2	0.6	0.6	0.6	
					Middle	3.6	0.0	71	15.8	15.8	8.4	8.4	32.3	32.3	105.1	105.1	8.6	8.6	1.3	7	89	89	819734	804630	<0.2	0.6	0.6	0.6						
						6.2	0.0	70	15.8	15.8	8.4	8.4	32.4	32.4	105.3	105.6	8.6	8.6	1.3	6	91	89	819734	804630	<0.2	0.6	0.6	0.6						
						6.2	0.0	74	15.8	15.8	8.4	8.4	32.4	32.4	105.8	105.6	8.6	8.6	1.3	6	91	89	819734	804630	<0.2	0.6	0.6	0.6						
					IM5	Sunny	Moderate	11:15	6.9	Surface	1.0	0.2	9	15.8	15.8	8.4	8.4	32.4	32.4	104.4	104.4	8.5	8.5	2.2	10	86	88	820758	804881	<0.2	0.6	0.6	0.6	
											1.0	0.2	9	15.8	15.8	8.4	8.4	32.4	32.4	104.4	104.4	8.5	8.5	2.3	10	85	88	820758	804881	<0.2	0.6	0.6	0.6	
											3.5	0.2	10	15.7	15.7	8.4	8.4	32.4	32.4	104.1	104.1	8.5	8.5	2.7	9	88	88	820758	804881	<0.2	0.6	0.6	0.6	
Middle	3.5	0.2	10	15.7						15.7	8.4	8.4	32.4	32.4	104.1	104.1	8.5	8.5	2.9	9	89	88	820758	804881	<0.2	0.6	0.6	0.6						
	5.9	0.1	21	15.0						15.0	8.4	8.4	32.5	32.4	102.9	102.9	8.5	8.5	4.8	9	90	88	820758	804881	<0.2	0.6	0.6	0.6						
	5.9	0.2	22	15.0						15.0	8.4	8.4	32.4	32.4	102.9	102.9	8.5	8.5	4.8	9	90	88	820758	804881	<0.2	0.6	0.6	0.6						
IM6	Sunny	Moderate	11:07	7.8						Surface	1.0	0.1	285	15.5	15.5	8.4	8.4	32.4	32.4	102.6	10													

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

Water Quality Monitoring Results on 12 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	11:32	7.2	Surface	1.0	0.2	84	15.4	15.4	8.2	8.2	31.5	31.5	109.1	109.1	9.0	9.0	5.9	7	86	87	87	87	87	822102	808790	<0.2	0.6	<0.2	0.7										
						1.0	0.2	85	15.4	8.2	8.2	31.5	31.5	109.1	109.1	9.0	9.0	5.9	8	85	87	87	87																		
						3.6	0.2	72	15.6	8.2	8.2	31.2	31.3	110.8	110.8	9.1	9.1	6.7	7	87	87	87	87																		
					Middle	3.6	0.2	76	15.6	8.2	8.2	31.3	31.3	110.9	110.9	9.1	9.1	6.7	7	87	87	87	87																		
						6.2	0.1	57	15.2	8.2	8.2	31.7	31.7	111.8	111.8	9.3	9.3	6.8	6	89	89	89	89																		
						6.2	0.1	62	15.2	8.2	8.2	31.7	31.7	111.8	111.8	9.3	9.3	6.7	6	89	89	89	89																		
					IM10	Fine	Moderate	11:39	7.7	Surface	1.0	0.3	81	15.4	15.4	8.2	8.2	31.6	31.6	109.4	109.4	9.0	9.0	7.4				7	85			87	87	87	87	822372	809786	<0.2	0.6	<0.2	0.6
											1.0	0.3	83	15.4	8.2	8.2	31.6	31.6	109.4	109.4	9.0	9.0	7.4	7				85	87			87	87								
											3.9	0.1	50	15.4	8.2	8.2	31.3	31.3	109.8	109.8	9.1	9.1	8.2	8				87	87			87	87								
Middle	3.9	0.1	50	15.4						8.2	8.2	31.3	31.3	109.8	109.8	9.1	9.1	7.9	9	87	87	87	87																		
	6.7	0.2	110	15.4						8.1	8.1	31.5	31.5	110.8	110.8	9.1	9.1	4.4	9	90	90	90	90																		
	6.7	0.2	111	15.4						8.1	8.1	31.5	31.5	110.8	110.8	9.2	9.2	4.5	9	89	89	89	89																		
IM11	Fine	Moderate	11:50	7.5						Surface	1.0	0.1	142	15.9	15.9	8.2	8.2	31.5	31.5	109.5	109.5	8.9	8.9	8.4	7	86	87	87	87	87	822043	811467	<0.2	0.6				<0.2	0.6		
											1.0	0.1	152	15.9	8.2	8.2	31.5	31.5	109.5	109.5	8.9	8.9	8.4	7	86	87	87	87													
											3.8	0.0	105	16.0	8.2	8.2	31.6	31.6	109.7	109.7	8.9	8.9	6.7	8	87	87	87	87													
					Middle	3.8	0.0	114	16.0	8.2	8.2	31.6	31.6	109.7	109.7	8.9	8.9	6.7	8	87	87	87	87																		
						6.5	0.1	61	16.1	8.2	8.2	31.5	31.5	109.7	109.7	8.9	8.9	4.8	8	89	89	89	89																		
						6.5	0.2	62	16.1	8.2	8.2	31.5	31.5	109.7	109.7	8.9	8.9	4.9	8	89	89	89	89																		
					IM12	Fine	Moderate	11:56	8.3	Surface	1.0	0.3	171	16.0	16.0	8.2	8.2	31.6	31.6	109.5	109.5	8.9	8.9	5.5	7	86	87	87	87				87	821443	812033	<0.2	0.7			<0.2	0.6
											1.0	0.3	171	16.0	8.2	8.2	31.6	31.6	109.5	109.5	8.9	8.9	5.3	7	85	87	87	87													
											4.2	0.1	178	16.1	8.2	8.2	31.6	31.6	109.6	109.6	8.9	8.9	4.4	7	87	87	87	87													
Middle	4.2	0.1	181	16.1						8.2	8.2	31.6	31.6	109.6	109.6	8.9	8.9	4.4	6	88	88	88	88																		
	7.3	0.2	172	16.2						8.2	8.2	31.6	31.5	110.2	110.3	8.9	8.9	4.6	6	89	89	89	89																		
	7.3	0.2	185	16.2						8.2	8.2	31.5	31.5	110.4	110.4	9.0	9.0	4.6	6	89	89	89	89																		
SR1A	Fine	Moderate	12:26	5.2						Surface	1.0	-	-	14.6	14.6	8.1	8.1	31.4	31.4	111.7	111.7	9.4	9.4	3.3	5	-	-	-	-	87	819982	812660				-	-	-	-		
											1.0	-	-	14.6	14.6	8.1	8.1	31.4	31.4	111.7	111.7	9.4	9.4	3.3	5	-	-	-	-												
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
						4.2	-	-	14.6	14.6	8.1	8.1	31.2	31.2	113.5	113.6	9.5	9.5	4.2	7	-	-	-	-																	
						4.2	-	-	14.6	14.6	8.1	8.1	31.2	31.2	113.6	113.6	9.5	9.5	4.3	7	-	-	-	-																	
					SR2	Fine	Moderate	12:38	4.8	Surface	1.0	0.1	52	16.0	16.0	8.1	8.1	31.5	31.5	111.4	111.4	9.1	9.1	5.0	6	88	88	89	89				89	821439	814173	<0.2	0.6			<0.2	0.7
											1.0	0.1	54	16.0	8.1	8.1	31.5	31.5	111.4	111.4	9.1	9.1	5.0	5	88	88	89	89													
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																	
	3.8	0.1	49	16.0						8.1	8.1	31.6	31.6	114.1	114.1	9.3	9.3	4.5	6	89	89	89	89																		
	3.8	0.1	50	16.0						8.1	8.1	31.7	31.6	114.1	114.1	9.3	9.3	4.6	5	89	89	89	89																		
SR3	Fine	Moderate	11:19	8.4						Surface	1.0	0.4	86	15.2	15.2	8.2	8.2	31.5	31.5	108.4	108.4	9.0	9.0	9.8	17	-	-	-	-	87	822148	807553				-	-	-	-		
											1.0	0.4	94	15.2	8.2	8.2	31.5	31.5	108.4	108.4	9.0	9.0	9.8	17	-	-	-	-													
											4.2	0.2	95	15.2	8.2	8.2	31.5	31.5	108.5	108.5	9.0	9.0	8.7	16	-	-	-	-													
					Middle	4.2	0.3	97	15.2	8.2	8.2	31.5	31.5	108.5	108.5	9.0	9.0	8.6	16	-	-	-	-																		
						7.4	0.2	78	15.2	8.2	8.2	31.5	31.5	108.9	108.9	9.0	9.0	8.7	15	-	-	-	-																		
						7.4	0.2	78	15.2	8.2	8.2	31.5	31.5	108.9	108.9	9.0	9.0	8.7	15	-	-	-	-																		
					SR4A	Sunny	Moderate	12:35	8.7	Surface	1.0	0.2	93	16.9	16.9	8.4	8.4	32.7	32.7	105.1	105.3	8.4	8.4	0.5	12	-	-	-	-				87	817193	807813	-	-			-	-
											1.0	0.2	93	16.9	8.4	8.4	32.7	32.7	105.4	105.4	8.4	8.4	0.5	12	-	-	-	-													
											4.4	0.2	84	16.8	8.4	8.4	32.7	32.7	104.8	104.8	8.4	8.4	0.5	10	-	-	-	-													
Middle	4.4	0.2	91	16.8						8.4	8.4	32.7	32.7	104.8	104.8	8.3	8.3	0.5	10	-	-	-	-																		
	7.7	0.2	73	16.8						8.4	8.4	32.7	32.7	104.7	104.6	8.4	8.4	0.4	9	-	-	-	-																		
	7.7	0.2	77	16.8						8.4	8.4	32.7	32.7	104.5	104.6	8.3	8.3	0.4	9	-	-	-	-																		
SR5A	Sunny	Calm	13:00	3.1						Surface	1.0	0.1	12	16.8	16.8	8.4	8.4	32.7	32.7	104.7	104.7	8.4	8.4	0.5	10	-	-	-	-	87	816596	810678				-	-	-	-		
											1.0	0.1	12	16.8	8.4	8.4	32.7	32.7	104.7	104.7	8.4	8.4	0.5	10	-	-	-	-													
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
						2.1	0.1	36	16.7	8.4	8.4	32.7	32.7	104.9	105.1	8.4	8.4	0.5	12	-	-	-	-																		
						2.1	0.1	36	16.7	8.4	8.4	32.7	32.7	105.3	105.3	8.4	8.4	0.5	12	-	-	-	-																		
					SR6A	Sunny	Calm	13:33	4.3	Surface	1.0	0.1	256	16.8	16.8	8.4	8.4	32.7	32.7	103.8	103.7	8.3	8.3	0.5	8	-	-	-	-				87	817943	814750	-	-			-	-
											1.0	0.1	262	16.8	8.4	8.4	32.7	32.7	103.6	103.7	8.3	8.3	0.5	7	-	-	-	-													
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-																		
	3.3	0.1	261	16.8						8.4	8.4	32.7	32.7	103.8	103.8	8.3	8.3	0.5	11	-	-	-	-																		
	3.3	0.1	276	16.8						8.4	8.4	32.7	32.7	103.8	103.8	8.3	8.3	0.5	12	-	-	-	-																		
SR7	Fine	Moderate	13:32	16.4						Surface	1.0	0.3	58	16.6	16.6	8.2	8.2	31.8	31.8	109.4	109.4	8.8	8.8	5.2	6	-	-	-	-	87	823636	823745				-	-	-	-		
											1.0	0.3	63	16.6	8.2	8.2	31.8																								

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

Water Quality Monitoring Results on 12 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	08:15	8.0	Surface	1.0	0.6	43	15.1	15.1	8.4	8.4	32.3	32.3	99.8	99.8	8.2	8.2	1.7	10	85	88	815638	804236	<0.2	0.6	0.5	0.5					
						1.0	0.6	45	15.1	8.4	8.4	32.3	32.3	99.8	99.8	8.2	8.2	1.8	10	86	88	<0.2	0.6	0.5	0.5								
						4.0	0.5	22	15.1	8.4	8.4	32.4	32.4	99.7	99.6	8.2	8.2	3.3	11	89	88	<0.2	0.6	0.5	0.5								
					Middle	4.0	0.5	24	15.1	8.4	8.4	32.4	32.4	99.5	99.6	8.2	8.2	3.4	11	89	88	<0.2	0.6	0.5	0.5								
						7.0	0.4	24	15.2	8.4	8.4	32.4	32.4	99.6	99.6	8.2	8.2	4.7	13	89	88	<0.2	0.6	0.5	0.5								
						7.0	0.4	24	15.2	8.4	8.4	32.4	32.4	99.6	99.6	8.2	8.2	4.6	13	89	88	<0.2	0.6	0.5	0.5								
					C2	Fine	Moderate	09:00	11.6	Surface	1.0	0.4	354	14.8	14.8	8.1	8.1	31.3	31.3	108.5	108.6	9.1	9.1	8.0	16	85	88	825676	806957	<0.2	0.6	0.6	0.6
											1.0	0.4	326	14.8	8.1	8.1	31.3	31.3	108.6	108.9	9.1	9.1	7.9	14	86	88	<0.2	0.6	0.6	0.6			
											5.8	0.3	346	15.5	8.1	8.1	31.1	31.1	108.9	108.9	9.0	9.1	7.4	14	89	88	<0.2	0.6	0.6	0.6			
Middle	5.8	0.3	318	15.5						8.1	8.1	31.1	31.1	108.9	108.9	9.0	9.1	7.5	13	89	88	<0.2	0.6	0.6	0.6								
	10.6	0.3	2	14.2						8.1	8.1	31.3	31.3	107.9	107.9	9.1	9.1	7.4	10	89	88	<0.2	0.6	0.6	0.6								
	10.6	0.3	2	14.2						8.1	8.1	31.3	31.3	107.9	107.9	9.1	9.1	7.3	10	90	88	<0.2	0.6	0.6	0.6								
C3	Fine	Moderate	06:33	11.0						Surface	1.0	0.3	266	15.8	15.8	8.2	8.2	31.0	31.0	100.1	100.1	8.2	8.2	3.5	9	85	88	822107	817821	<0.2	0.6	0.6	0.6
											1.0	0.3	286	15.8	8.2	8.2	31.0	31.0	99.8	99.8	8.2	8.2	6.8	8	89	88	<0.2	0.6	0.6	0.6			
											5.5	0.4	285	15.8	8.2	8.2	31.0	31.0	99.8	99.8	8.2	8.2	6.8	8	89	88	<0.2	0.6	0.6	0.6			
					Middle	5.5	0.4	285	15.8	8.2	8.2	31.0	31.0	99.8	99.8	8.2	8.2	6.8	8	89	88	<0.2	0.6	0.6	0.6								
						10.0	0.3	269	15.8	8.2	8.2	31.0	31.0	100.0	100.1	8.2	8.2	8.0	6	89	88	<0.2	0.6	0.6	0.6								
						10.0	0.3	283	15.8	8.2	8.2	31.0	31.0	100.1	100.1	8.2	8.2	8.0	7	90	88	<0.2	0.6	0.6	0.6								
					IM1	Fine	Calm	08:37	4.6	Surface	1.0	0.1	321	15.8	15.8	8.4	8.4	32.5	32.5	102.5	102.3	8.3	8.3	4.7	8	84	88	817968	807119	<0.2	0.6	0.6	0.6
											1.0	0.1	344	15.8	8.4	8.4	32.5	32.5	102.1	102.1	8.3	8.3	4.8	8	85	88	<0.2	0.6	0.6	0.6			
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	3.6	0.1	310	15.8						15.8	8.4	8.4	32.5	32.5	102.0	102.0	8.3	8.3	5.7	6	89	88	<0.2	0.6	0.6	0.6							
	3.6	0.1	320	15.8						15.8	8.4	8.4	32.5	32.5	101.9	101.9	8.3	8.3	6.1	6	89	88	<0.2	0.6	0.6	0.6							
	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Fine	Moderate	08:42	7.0						Surface	1.0	0.3	20	15.9	15.9	8.4	8.4	32.2	32.2	102.2	102.4	8.3	8.3	4.7	12	83	88	818144	806158	<0.2	0.7	0.7	0.7
											1.0	0.3	21	15.9	15.9	8.4	8.4	32.2	32.2	102.5	102.4	8.3	8.3	5.0	12	83	88	<0.2	0.7	0.7	0.7		
											3.5	0.3	14	15.9	15.8	8.4	8.4	32.2	32.2	102.7	102.7	8.4	8.4	3.8	13	86	88	<0.2	0.6	0.6	0.6		
					Middle	3.5	0.3	14	15.8	15.8	8.4	8.4	32.2	32.2	102.7	102.7	8.4	8.4	3.8	13	87	88	<0.2	0.6	0.6	0.6							
						6.0	0.2	16	15.8	15.8	8.4	8.4	32.2	32.2	103.1	102.9	8.4	8.4	3.8	13	90	88	<0.2	0.7	0.7	0.7							
						6.0	0.2	17	15.8	15.8	8.4	8.4	32.2	32.2	102.7	102.9	8.4	8.4	3.7	14	90	88	<0.2	0.7	0.7	0.7							
					IM3	Fine	Moderate	08:50	7.1	Surface	1.0	0.4	350	15.8	15.8	8.4	8.4	32.2	32.2	102.0	102.2	8.3	8.3	3.3	11	85	88	818781	805585	<0.2	0.8	0.8	0.8
											1.0	0.4	322	15.8	15.8	8.4	8.4	32.2	32.2	102.3	102.3	8.3	8.3	3.3	11	85	88	<0.2	0.8	0.8	0.8		
											3.6	0.5	2	15.9	15.9	8.4	8.4	32.2	32.2	101.8	101.8	8.3	8.3	3.4	11	88	88	<0.2	0.7	0.7	0.7		
Middle	3.6	0.5	2	15.9						15.9	8.4	8.4	32.2	32.2	101.8	101.8	8.3	8.3	3.5	11	88	88	<0.2	0.7	0.7	0.7							
	6.1	0.4	359	15.9						15.9	8.4	8.4	32.2	32.2	101.5	101.4	8.3	8.3	3.7	12	91	88	<0.2	0.7	0.7	0.7							
	6.1	0.4	332	15.9						15.9	8.4	8.4	32.2	32.2	101.3	101.4	8.2	8.3	3.6	12	91	88	<0.2	0.6	0.6	0.6							
IM4	Fine	Moderate	08:55	7.3						Surface	1.0	0.6	11	15.8	15.8	8.4	8.4	32.2	32.2	102.3	102.5	8.3	8.3	3.0	6	85	88	819707	804601	<0.2	0.7	0.7	0.7
											1.0	0.7	11	15.8	15.8	8.4	8.4	32.2	32.2	102.7	102.5	8.4	8.3	3.1	5	85	88	<0.2	0.7	0.7	0.7		
											3.7	0.6	7	15.8	15.8	8.4	8.4	32.2	32.2	101.8	101.9	8.3	8.3	3.5	9	88	88	<0.2	0.7	0.7	0.7		
					Middle	3.7	0.6	7	15.9	15.8	8.4	8.4	32.2	32.2	102.0	101.9	8.3	8.3	3.6	9	89	88	<0.2	0.7	0.7	0.7							
						6.3	0.5	10	15.9	15.9	8.4	8.4	32.2	32.2	101.5	101.5	8.3	8.3	3.9	11	91	88	<0.2	0.7	0.7	0.7							
						6.3	0.5	10	15.9	15.9	8.4	8.4	32.2	32.2	101.4	101.5	8.3	8.3	3.9	11	92	88	<0.2	0.7	0.7	0.7							
					IM5	Fine	Moderate	09:02	7.2	Surface	1.0	0.8	33	15.8	15.8	8.4	8.4	32.2	32.2	102.6	102.7	8.4	8.4	2.8	14	85	88	820740	804856	<0.2	0.7	0.7	0.7
											1.0	0.8	33	15.8	15.8	8.4	8.4	32.2	32.2	102.7	102.7	8.4	8.4	2.8	14	85	88	<0.2	0.7	0.7	0.7		
											3.6	0.8	29	15.8	15.8	8.4	8.4	32.2	32.2	102.2	102.3	8.3	8.4	2.8	11	88	88	<0.2	0.6	0.6	0.6		
Middle	3.6	0.8	31	15.8						15.8	8.4	8.4	32.2	32.2	102.4	102.3	8.3	8.3	3.0	11	88	88	<0.2	0.7	0.7	0.7							
	6.2	0.7	25	15.8						15.8	8.4	8.4	32.2	32.2	102.4	102.4	8.3	8.3	3.1	8	91	88	<0.2	0.7	0.7	0.7							
	6.2	0.7	25	15.8						15.8	8.4	8.4	32.2	32.2	102.3	102.4	8.3	8.3	3.1	8	91	88	<0.2	0.7	0.7	0.7							
IM6	Fine	Moderate	09:07	7.0						Surface	1.0	0.2	43	15.8	15.8	8.4	8.4	32.2	32.2	102.5	102.4	8.3	8.4	2.2	7	84	88	821055	805814	<0.2	0.7	0.7	0.7
											1.0	0.3	46	15.8	15.8	8.4	8.4	32.2	32.2	102.3	102.4	8.4	8.4	2.2	7	85	88	<0.2	0.7	0.7	0.7		
											3.5	0.3	32	15.8	15.8	8.4	8.4	32.2	32.2	102.5	102.5	8.4	8.4	2.2	7	88	88	<0.2	0.7	0.7	0.7		
					Middle	3.5	0.3	33	15.8	15.8	8.4	8.4	32.2	32.2	102.5	102.5	8.4	8.4	2.2	7	88	88	<0.2	0.7	0.7	0.7							
						6.0	0.3	28	15.8	15.8	8.4	8.4	32.2	32.2	103.1	103.3	8.4	8.4	2.1	8	92	88	<0.2	0.7	0.7	0.7							
						6.0	0.3	29	15.8	15.8	8.4	8.4	32.2	32.2	103.4	103.3	8.4	8.4	2.1	8	91	88	<0.2	0.7	0.7	0.7							
					IM7	Fine	Moderate	09:11	7.7	Surface	1.0	0.2</																					

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

Water Quality Monitoring Results on 12 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current		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)									
						Speed (m/s)	Direction	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	DA								
IM9	Fine	Moderate	08:18	7.2	Surface	1.0	0.3	58	15.3	15.3	8.1	8.1	31.7	31.7	110.4	110.4	9.1	9.1	8.3	8.3	8	8	86	86	822075	808812	<0.2	0.6	0.6	0.6							
						1.0	0.3	61	15.3	15.3	8.1	8.1	31.7	31.7	110.4	110.4	9.1	9.1	8.3	8.3	8	8	86	86	<0.2	0.6	0.6	0.6									
						3.6	0.2	42	15.3	15.3	8.1	8.1	31.7	31.7	110.8	110.8	9.1	9.1	9.0	9.0	11	11	88	88	<0.2	0.6	0.6	0.6									
					Middle	3.6	0.2	44	15.3	15.3	8.1	8.1	31.7	31.7	110.8	110.8	9.1	9.1	9.0	9.0	11	11	87	87	<0.2	0.6	0.6	0.6									
						6.2	0.2	22	15.3	15.3	8.2	8.2	31.7	31.7	101.3	101.3	8.4	8.4	8.0	8.0	12	12	89	89	<0.2	0.6	0.6	0.6									
						6.2	0.3	22	15.3	15.3	8.2	8.2	31.7	31.7	101.3	101.3	8.4	8.4	8.0	8.0	12	12	89	89	<0.2	0.6	0.6	0.6									
					IM10	Fine	Moderate	08:09	7.0	Surface	1.0	0.6	305	15.3	15.3	8.1	8.1	31.8	31.8	101.5	101.4	8.4	8.1	8.1	8.1	9	9	85	85	822374	809799	<0.2	0.6	0.6	0.6		
											1.0	0.7	312	15.3	15.3	8.1	8.1	31.8	31.8	101.3	101.3	8.4	8.3	8.3	8.3	9	9	86	86	<0.2	0.6	0.6	0.6				
											3.5	0.6	309	15.3	15.3	8.1	8.1	31.8	31.8	98.0	98.0	8.1	8.1	20.0	20.0	9	9	88	88	<0.2	0.6	0.6	0.6				
Middle	3.5	0.6	319	15.3						15.3	8.1	8.1	31.8	31.8	98.0	98.0	8.1	8.1	20.0	20.0	9	9	88	88	<0.2	0.6	0.6	0.6									
	6.0	0.4	307	15.3						15.3	8.0	8.0	31.8	31.8	110.0	110.0	9.1	9.1	24.0	24.0	8	8	89	89	<0.2	0.6	0.6	0.6									
	6.0	0.4	330	15.3						15.3	8.0	8.0	31.8	31.8	110.0	110.0	9.1	9.1	24.0	24.0	8	8	91	91	<0.2	0.6	0.6	0.6									
IM11	Fine	Moderate	07:52	7.0						Surface	1.0	0.3	285	15.2	15.2	8.2	8.2	30.8	30.8	102.4	102.5	8.5	8.5	6.0	6.0	7	7	85	85	822037	811439	<0.2	0.6	0.6	0.6		
											1.0	0.3	295	15.2	15.2	8.2	8.2	30.8	30.8	102.5	102.5	8.5	8.5	6.0	6.0	7	7	85	85	<0.2	0.6	0.6	0.6				
											3.5	0.4	292	15.2	15.2	8.1	8.1	30.8	30.8	103.6	103.7	8.6	8.6	6.4	6.4	6	6	87	87	<0.2	0.6	0.6	0.6				
					Middle	3.5	0.4	315	15.2	15.2	8.1	8.1	30.8	30.8	103.7	103.7	8.6	8.6	6.4	6.4	6	6	87	87	<0.2	0.6	0.6	0.6									
						6.0	0.4	286	15.0	15.0	8.2	8.2	30.8	30.8	107.3	107.5	9.0	9.0	5.9	5.9	6	6	89	89	<0.2	0.6	0.6	0.6									
						6.0	0.4	299	15.0	15.0	8.2	8.2	30.8	30.8	107.6	107.5	9.0	9.0	5.9	5.9	6	6	89	89	<0.2	0.6	0.6	0.6									
					IM12	Fine	Moderate	07:44	8.7	Surface	1.0	0.5	262	15.2	15.2	8.2	8.2	30.9	30.9	100.2	100.2	8.3	8.3	4.5	4.5	13	13	85	85	821470	812035	<0.2	0.6	0.6	0.6		
											1.0	0.5	284	15.2	15.2	8.2	8.2	30.9	30.9	100.2	100.2	8.3	8.3	5.1	5.1	13	13	85	85	<0.2	0.6	0.6	0.6				
											4.4	0.5	264	15.1	15.1	8.2	8.2	30.9	30.9	99.8	99.8	8.3	8.3	5.7	5.7	11	11	88	88	<0.2	0.6	0.6	0.6				
Middle	4.4	0.5	270	15.1						15.1	8.2	8.2	30.9	30.9	99.8	99.8	8.3	8.3	5.4	5.4	11	11	89	89	<0.2	0.6	0.6	0.6									
	7.7	0.3	261	15.1						15.1	8.2	8.2	30.9	30.9	99.6	99.6	8.3	8.3	5.3	5.3	7	7	90	90	<0.2	0.6	0.6	0.6									
	7.7	0.4	275	15.1						15.1	8.2	8.2	30.9	30.9	99.6	99.6	8.3	8.3	5.9	5.9	7	7	91	91	<0.2	0.6	0.6	0.6									
SR1A	Fine	Moderate	07:12	5.3						Surface	1.0	-	-	14.4	14.4	8.1	8.1	30.7	30.7	98.2	98.2	8.3	8.3	5.7	5.7	8	8	-	-	819977	812665	-	-	-	-		
											1.0	-	-	14.4	14.4	8.1	8.1	30.7	30.7	98.2	98.2	8.3	8.3	5.8	5.8	8	8	-	-	-	-	-	-	-	-		
											2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	6.2	9	9	-	-	-	-	-	-
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.3	-	-	14.4	14.4	8.2	8.2	30.7	30.7	98.3	98.3	8.3	8.3	6.6	6.6	9	9	-	-	-	-	-	-	-	-	-	-					
						4.3	-	-	14.4	14.4	8.2	8.2	30.7	30.7	98.3	98.3	8.3	8.3	7.0	7.0	9	9	-	-	-	-	-	-	-	-	-	-					
					SR2	Fine	Moderate	06:55	4.8	Surface	1.0	0.3	27	15.0	15.0	8.2	8.2	30.9	30.9	99.5	99.5	8.3	8.3	3.2	3.2	10	10	88	88	821472	814159	<0.2	0.6	0.6	0.6		
											1.0	0.3	27	15.0	15.0	8.2	8.2	30.9	30.9	99.5	99.5	8.3	8.3	3.2	3.2	10	10	88	88	<0.2	0.6	0.6	0.6				
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3	3.3	10	10	89	89	<0.2	0.6	0.6	0.6
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
	3.8	0.2	37	14.9						14.9	8.2	8.2	30.9	30.9	99.3	99.3	8.3	8.3	3.4	3.4	10	10	89	89	<0.2	0.6	0.6	0.6									
	3.8	0.2	40	14.9						14.9	8.2	8.2	30.9	30.9	99.3	99.3	8.3	8.3	3.5	3.5	10	10	90	90	<0.2	0.6	0.6	0.6									
SR3	Fine	Moderate	08:35	8.4						Surface	1.0	0.1	78	15.7	15.7	8.1	8.1	32.3	32.3	102.1	102.1	8.3	8.3	3.0	3.0	9	9	-	-	822124	807553	-	-	-	-		
											1.0	0.1	79	15.7	15.7	8.1	8.1	32.3	32.3	102.1	102.1	8.3	8.3	3.0	3.0	9	9	-	-	-	-	-	-	-	-	-	-
											4.2	0.1	78	15.7	15.7	8.1	8.1	32.3	32.3	102.2	102.2	8.3	8.3	3.4	3.4	10	10	-	-	-	-	-	-	-	-	-	-
					Middle	4.2	0.2	83	15.7	15.7	8.1	8.1	32.3	32.3	102.2	102.2	8.3	8.3	3.4	3.4	11	11	-	-	-	-	-	-	-	-	-	-	-				
						7.4	0.1	66	15.7	15.7	8.1	8.1	32.3	32.3	102.2	102.2	8.3	8.3	3.5	3.5	12	12	-	-	-	-	-	-	-	-	-	-	-				
						7.4	0.1	68	15.7	15.7	8.1	8.1	32.3	32.3	102.2	102.2	8.3	8.3	3.5	3.5	12	12	-	-	-	-	-	-	-	-	-	-	-				
					SR4A	Fine	Moderate	07:50	9.0	Surface	1.0	0.1	99	15.3	15.3	8.4	8.4	32.4	32.4	101.3	101.3	8.3	8.3	4.2	4.2	10	10	-	-	817181	807795	-	-	-	-		
											1.0	0.1	103	15.3	15.3	8.4	8.4	32.4	32.4	101.3	101.3	8.3	8.3	4.3	4.3	10	10	-	-	-	-	-	-	-	-	-	-
											4.5	0.1	87	15.4	15.4	8.4	8.4	32.4	32.4	101.1	101.1	8.3	8.3	5.5	5.5	11	11	-	-	-	-	-	-	-	-	-	-
Middle	4.5	0.1	90	15.4						15.4	8.4	8.4	32.4	32.4	101.1	101.1	8.3	8.3	5.5	5.5	11	11	-	-	-	-	-	-	-	-	-	-	-				
	8.0	0.1	104	15.4						15.4	8.4	8.4	32.4	32.4	101.3	101.3	8.3	8.3	5.4	5.4	12	12	-	-	-	-	-	-	-	-	-	-	-				
	8.0	0.1	108	15.4						15.4	8.4	8.4	32.4	32.4	101.6	101.5	8.3	8.3	5.5	5.5	12	12	-	-	-	-	-	-	-	-	-	-	-				
SR5A	Fine	Calm	07:18	3.5						Surface	1.0	0.2	300	16.4	16.4	8.4	8.4	32.6	32.6	105.2	105.4	8.5	8.5	2.1	2.1	9	9	-	-	816611	810692	-	-	-	-		
											1.0	0.2	329	16.4	16.4	8.4	8.4	32.6	32.6	105.5	105.5	8.5	8.5	2.1	2.1	9	9	-	-	-	-	-	-	-	-	-	-
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	2.6	9	9	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.5	0.2	294	16.4	16.4	8.4	8.4	32.6	32.6	108.7	109.3	8.7	8.7	3.0	3.0	9	9	-	-	-	-	-	-	-	-	-	-	-				
						2.5	0.2	322	16.4	16.4	8.4	8.4	32.6	32.6	109.9	109.9	8.8	8.8	3.1	3.1	9	9	-	-	-	-	-	-	-	-	-	-	-				
					SR6A	Fine	Calm	06:46	4.2	Surface	1.0	0.1	267	16.6	16.6	8.3	8.3	32.6	32.6	103.4	103.4	8.3	8.3	2.2	2.2	11	11	-	-	817941	814757	-	-	-	-		
											1.0	0.1	267	16.6	16.6	8.3	8.3	32.6	32.6	103.4	103.4	8.3	8.3	2.2	2.2	11	11	-	-	-</							

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

Water Quality Monitoring Results on 14 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
						Value	Average	Value	Average	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	Moderate	13:34	8.2	Surface	1.0	0.1	46	16.8	16.8	8.0	8.0	30.7	30.7	115.4	115.4	9.3	9.4	4.6	4.7	6	7	-	-	815630	804228	-	-	-	-			
						1.0	0.1	47	16.8	8.0	8.0	30.7	30.7	115.4	115.4	9.3	9.4	4.6	4.7	6	7	-	-										
					Middle	4.1	0.0	314	15.4	15.4	8.0	8.0	30.8	30.8	115.2	115.2	9.6	9.6	4.7	4.7	7	7	-	-									
						4.1	0.0	326	15.4	15.4	8.0	8.0	30.8	30.8	115.2	115.2	9.5	9.5	4.7	4.7	7	7	-	-									
					Bottom	7.2	0.0	219	15.1	15.1	8.0	8.0	31.1	31.1	112.7	112.7	9.4	9.4	4.8	4.8	8	8	-	-									
						7.2	0.0	232	15.1	15.1	8.0	8.0	31.1	31.1	112.7	112.7	9.4	9.4	4.7	4.7	7	7	-	-									
C2	Cloudy	Moderate	12:24	12.8	Surface	1.0	0.3	13	15.7	15.7	8.1	8.1	31.6	31.6	108.7	108.6	8.9	8.8	2.4	2.4	7	8	-	-	825663	806963	-	-	-	-			
						1.0	0.3	13	15.7	15.7	8.1	8.1	31.6	31.6	108.5	108.5	8.9	8.9	2.4	2.4	8	8	-	-									
					Middle	6.4	0.3	21	15.3	15.3	8.1	8.1	32.3	32.3	106.1	106.1	8.7	8.7	4.2	4.2	7	7	-	-									
						6.4	0.3	22	15.3	15.3	8.1	8.1	32.3	32.3	106.1	106.1	8.7	8.7	4.3	4.3	8	8	-	-									
					Bottom	11.8	0.3	22	15.3	15.3	8.1	8.1	32.3	32.3	105.8	105.9	8.7	8.7	3.6	3.6	9	9	-	-									
						11.8	0.3	23	15.3	15.3	8.1	8.1	32.3	32.3	106.0	106.0	8.7	8.7	3.5	3.5	10	10	-	-									
C3	Cloudy	Moderate	14:23	12.0	Surface	1.0	0.3	94	16.0	16.0	8.1	8.1	32.5	32.5	105.4	105.4	8.5	8.4	2.1	2.1	6	6	-	-	822109	817812	-	-	-	-			
						1.0	0.4	101	16.0	16.0	8.1	8.1	32.5	32.5	105.3	105.3	8.5	8.5	2.1	2.1	6	6	-	-									
					Middle	6.0	0.3	91	16.2	16.2	8.1	8.1	32.7	32.7	103.3	103.3	8.3	8.3	4.1	4.1	6	6	-	-									
						6.0	0.3	93	16.2	16.2	8.1	8.1	32.7	32.7	103.2	103.2	8.3	8.3	4.1	4.1	7	7	-	-									
					Bottom	11.0	0.2	89	16.2	16.2	8.1	8.1	32.7	32.7	103.7	103.8	8.4	8.4	3.7	3.7	7	7	-	-									
						11.0	0.3	94	16.2	16.2	8.1	8.1	32.7	32.7	103.8	103.8	8.4	8.4	3.6	3.6	8	8	-	-									
IM1	Fine	Moderate	13:11	4.7	Surface	1.0	0.1	213	15.6	15.6	8.1	8.1	31.2	31.2	118.6	118.6	9.8	9.8	4.2	4.2	11	10	-	-	817937	807125	-	-	-	-			
						1.0	0.1	214	15.6	15.6	8.1	8.1	31.2	31.2	118.5	118.5	9.8	9.8	4.2	4.2	10	10	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.7	0.1	225	15.6	15.6	8.1	8.1	31.2	31.2	118.0	118.0	9.7	9.7	4.2	4.2	9	9	-	-									
						3.7	0.1	231	15.6	15.6	8.1	8.1	31.2	31.2	117.9	117.9	9.7	9.7	4.2	4.2	10	10	-	-									
IM2	Fine	Moderate	13:04	6.8	Surface	1.0	0.0	79	15.7	15.7	8.1	8.1	30.6	30.6	118.4	118.4	9.8	9.7	4.6	4.5	10	11	-	-	818147	806170	-	-	-	-			
						1.0	0.0	81	15.7	15.7	8.1	8.1	30.6	30.6	118.3	118.3	9.8	9.8	4.5	4.5	11	11	-	-									
					Middle	3.4	0.0	159	15.8	15.8	8.1	8.1	30.7	30.7	116.4	116.4	9.6	9.6	4.8	4.8	10	10	-	-									
						3.4	0.0	166	15.8	15.8	8.1	8.1	30.7	30.7	116.4	116.4	9.6	9.6	4.8	4.8	9	9	-	-									
					Bottom	5.8	0.1	273	15.1	15.1	8.1	8.1	31.3	31.3	113.5	113.5	9.4	9.4	6.0	6.0	9	9	-	-									
						5.8	0.1	273	15.1	15.1	8.1	8.1	31.3	31.3	113.5	113.5	9.4	9.4	5.9	5.9	10	10	-	-									
IM3	Fine	Moderate	12:57	7.0	Surface	1.0	0.1	333	15.7	15.7	8.1	8.1	31.0	31.0	116.2	116.2	9.6	9.6	5.1	5.1	10	9	-	-	818791	805609	-	-	-	-			
						1.0	0.1	349	15.7	15.7	8.1	8.1	31.0	31.0	116.2	116.2	9.6	9.6	5.1	5.1	9	9	-	-									
					Middle	3.5	0.1	309	15.2	15.2	8.1	8.1	31.0	31.0	115.0	115.0	9.6	9.6	5.7	5.7	10	10	-	-									
						3.5	0.1	328	15.2	15.2	8.1	8.1	31.0	31.0	115.0	115.0	9.6	9.6	5.7	5.7	9	9	-	-									
					Bottom	6.0	0.1	278	15.1	15.1	8.0	8.0	31.2	31.2	114.2	114.2	9.5	9.5	5.9	5.9	8	8	-	-									
						6.0	0.1	288	15.1	15.1	8.0	8.0	31.2	31.2	114.2	114.2	9.5	9.5	5.9	5.9	9	9	-	-									
IM4	Fine	Moderate	12:47	8.2	Surface	1.0	0.2	8	15.2	15.2	8.0	8.0	31.1	31.1	113.5	113.6	9.4	9.5	5.4	5.4	11	10	-	-	819719	804615	-	-	-	-			
						1.0	0.2	8	15.2	15.2	8.0	8.0	31.1	31.1	113.6	113.6	9.4	9.5	5.4	5.4	10	10	-	-									
					Middle	4.1	0.1	315	15.1	15.1	8.0	8.0	31.0	31.0	113.6	113.6	9.5	9.5	5.6	5.6	11	11	-	-									
						4.1	0.1	329	15.1	15.1	8.0	8.0	31.0	31.0	113.5	113.5	9.5	9.5	5.6	5.6	10	10	-	-									
					Bottom	7.2	0.1	325	15.0	15.0	8.0	8.0	31.1	31.1	112.0	112.1	9.3	9.3	6.3	6.3	10	10	-	-									
						7.2	0.1	338	15.0	15.0	8.0	8.0	31.1	31.1	112.1	112.1	9.3	9.3	6.4	6.4	11	11	-	-									
IM5	Fine	Moderate	12:39	7.5	Surface	1.0	0.2	9	15.3	15.3	8.0	8.0	31.2	31.2	113.8	113.9	9.4	9.5	5.2	5.2	10	10	-	-	820736	804850	-	-	-	-			
						1.0	0.2	9	15.3	15.3	8.0	8.0	31.2	31.2	113.9	113.9	9.4	9.5	5.2	5.2	10	10	-	-									
					Middle	3.8	0.2	356	15.2	15.2	8.0	8.0	31.1	31.1	114.5	114.5	9.5	9.5	5.9	5.9	9	9	-	-									
						3.8	0.2	328	15.2	15.2	8.0	8.0	31.1	31.1	114.4	114.4	9.5	9.5	6.0	6.0	10	10	-	-									
					Bottom	6.5	0.2	3	15.2	15.2	8.0	8.0	31.1	31.1	113.6	113.6	9.4	9.4	6.6	6.6	8	8	-	-									
						6.5	0.2	3	15.2	15.2	8.0	8.0	31.1	31.1	113.6	113.6	9.4	9.4	6.6	6.6	7	7	-	-									
IM6	Fine	Moderate	12:30	7.4	Surface	1.0	0.1	263	15.3	15.3	8.0	8.0	31.3	31.3	115.5	115.5	9.6	9.6	3.1	3.1	7	6	-	-	821065	805819	-	-	-	-			
						1.0	0.1	277	15.2	15.2	8.0	8.0	31.3	31.3	115.5	115.5	9.6	9.6	3.1	3.1	6	6	-	-									
					Middle	3.7	0.1	289	15.2	15.2	8.0	8.0	31.2	31.2	114.9	114.9	9.5	9.5	3.2	3.2	8	8	-	-									
						3.7	0.1	291	15.2	15.2	8.0	8.0	31.2	31.2	114.9	114.9	9.5	9.5	3.2	3.2	9	9	-	-									
					Bottom	6.4	0.0	70	15.8	15.8	8.0	8.0	31.3	31.3	114.4	114.5	9.4	9.4	4.4	4.4	8	8	-	-									
						6.4	0.0	72	15.8	15.8	8.0	8.0	31.3	31.3	114.5	114.5	9.4	9.4	4.4	4.4	9	9	-	-									
IM7	Fine	Moderate	12:24	8.6	Surface	1.0	0.1	123	15.2	15.2	8.0	8.0	31.3	31.3	115.3	115.3	9.6	9.6	3.1	3.1	5	6	-	-	821329	806824	-	-	-	-			
						1.0	0.1	128	15.2	15.2	8.0	8.0	31.3	31.3	115.2	115.2	9.6	9.6	3.1	3.1	6	6	-	-									
					Middle	4.3	0.1	159	15.1	15.1	8.0	8.0	31.3	31.3	114.4	114.4	9.5	9.5	3.1	3.1	7	7	-	-									
						4.3	0.1	170	15.1	15.1	8.0	8.0	31.3	31.3	114.3	114.3	9.5																

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

Water Quality Monitoring Results on 14 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	12:52	7.3	Surface	1.0	0.2	45	15.9	15.9	8.1	8.1	31.9	31.9	109.8	109.9	8.9	8.9	1.7	8	-	-	-	-	-	-	-	-	-	-				
						1.0	0.2	45	15.9	15.9	8.1	8.1	31.9	31.9	109.9	109.9	8.9	8.9	1.7	9	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.7	0.3	64	15.3	15.3	8.1	8.1	32.2	32.2	106.9	106.9	8.8	8.8	2.6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	0.3	68	15.3	15.3	8.1	8.1	32.2	32.2	106.8	106.8	8.8	8.8	2.6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.3	0.3	59	15.1	15.1	8.1	8.1	32.3	32.3	106.2	106.2	8.8	8.8	2.1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.3	0.3	60	15.1	15.1	8.1	8.1	32.3	32.3	106.2	106.2	8.8	8.8	2.2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM10	Cloudy	Moderate	12:58	7.8	Surface	1.0	0.3	76	15.7	15.7	8.1	8.1	31.9	31.9	107.7	107.7	8.8	8.8	1.9	6	-	-	-	-	-	-	-	-	-	-				
						1.0	0.3	79	15.7	15.7	8.1	8.1	31.9	31.9	107.7	107.7	8.8	8.8	1.9	5	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.9	0.3	74	15.5	15.5	8.1	8.1	32.0	32.0	106.5	106.6	8.7	8.7	2.1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.9	0.3	77	15.5	15.5	8.1	8.1	32.0	32.0	106.6	106.6	8.8	8.8	2.1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.8	0.3	67	15.4	15.4	8.1	8.1	32.2	32.2	106.2	106.1	8.7	8.7	1.7	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.8	0.3	69	15.4	15.4	8.1	8.1	32.2	32.2	106.0	106.0	8.7	8.7	1.8	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM11	Cloudy	Moderate	13:08	7.8	Surface	1.0	0.2	99	15.4	15.4	8.1	8.1	32.4	32.4	108.4	108.3	8.9	8.9	1.1	7	-	-	-	-	-	-	-	-	-	-				
						1.0	0.2	104	15.4	15.4	8.1	8.1	32.4	32.4	108.2	108.2	8.9	8.9	1.1	7	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.9	0.2	94	15.4	15.4	8.1	8.1	32.4	32.4	107.1	107.1	8.8	8.8	1.1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.9	0.2	98	15.4	15.4	8.1	8.1	32.4	32.4	107.0	107.0	8.8	8.8	1.1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.8	0.2	82	15.3	15.3	8.1	8.1	32.4	32.4	105.6	105.6	8.7	8.7	1.0	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.8	0.2	82	15.3	15.3	8.1	8.1	32.4	32.4	105.6	105.6	8.7	8.7	1.0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM12	Cloudy	Moderate	13:16	9.6	Surface	1.0	0.3	98	15.5	15.5	8.1	8.1	32.4	32.4	109.3	109.3	9.0	9.0	1.2	6	-	-	-	-	-	-	-	-	-	-				
						1.0	0.3	107	15.5	15.5	8.1	8.1	32.4	32.4	109.3	109.3	9.0	9.0	1.2	6	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.8	0.2	107	15.4	15.4	8.1	8.1	32.4	32.4	107.3	107.4	8.8	8.8	1.2	6	-	-	-	-	-	-	-	-	-	-	-	-		
						4.8	0.2	113	15.4	15.4	8.1	8.1	32.4	32.4	107.4	107.4	8.8	8.8	1.2	7	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	8.6	0.1	122	15.4	15.4	8.1	8.1	32.4	32.4	106.2	106.3	8.7	8.7	1.1	8	-	-	-	-	-	-	-	-	-	-	-	-		
						8.6	0.1	122	15.4	15.4	8.1	8.1	32.4	32.4	106.3	106.3	8.7	8.7	1.1	8	-	-	-	-	-	-	-	-	-	-	-	-		
SR1A	Cloudy	Calm	13:49	5.2	Surface	1.0	-	-	15.6	15.6	8.1	8.1	32.4	32.4	110.1	110.1	9.0	9.0	2.3	3	-	-	-	-	-	-	-	-	-					
						1.0	-	-	15.6	15.6	8.1	8.1	32.4	32.4	110.1	110.1	9.0	9.0	2.3	4	-	-	-	-	-	-	-	-	-					
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.2	-	-	15.6	15.6	8.1	8.1	32.4	32.4	108.2	108.2	8.8	8.8	3.7	4	-	-	-	-	-	-	-	-	-	-	-			
						4.2	-	-	15.6	15.6	8.1	8.1	32.4	32.4	108.2	108.2	8.8	8.8	3.8	5	-	-	-	-	-	-	-	-	-	-	-			
SR2	Cloudy	Moderate	14:04	4.1	Surface	1.0	0.2	22	15.5	15.5	8.1	8.1	32.4	32.4	108.6	108.5	8.9	8.9	3.9	7	-	-	-	-	-	-	-	-						
						1.0	0.2	24	15.5	15.5	8.1	8.1	32.4	32.4	108.4	108.4	8.9	8.9	3.9	6	-	-	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.1	0.2	17	15.5	15.5	8.1	8.1	32.4	32.4	107.4	107.4	8.8	8.8	3.8	6	-	-	-	-	-	-	-	-	-	-				
						3.1	0.2	18	15.5	15.5	8.1	8.1	32.4	32.4	107.4	107.4	8.8	8.8	3.8	5	-	-	-	-	-	-	-	-	-					
SR3	Cloudy	Moderate	12:41	8.9	Surface	1.0	0.4	127	15.6	15.6	8.1	8.1	31.9	31.9	108.6	108.4	8.9	8.9	2.1	7	-	-	-	-	-	-	-							
						1.0	0.5	137	15.6	15.6	8.1	8.1	31.9	31.9	108.2	108.4	8.9	8.9	2.2	8	-	-	-	-	-	-	-							
					Middle	4.5	0.3	115	15.4	15.4	8.1	8.1	32.0	32.0	107.3	107.3	8.8	8.8	3.7	7	-	-	-	-	-	-	-	-						
						4.5	0.3	124	15.4	15.4	8.1	8.1	32.0	32.0	107.3	107.3	8.8	8.8	3.8	8	-	-	-	-	-	-	-	-						
					Bottom	7.9	0.4	93	15.4	15.4	8.1	8.1	32.2	32.2	106.3	106.1	8.7	8.7	4.3	9	-	-	-	-	-	-	-	-						
						7.9	0.4	94	15.4	15.4	8.1	8.1	32.1	32.1	105.9	105.9	8.7	8.7	4.1	10	-	-	-	-	-	-	-	-						
SR4A	Fine	Calm	13:57	9.1	Surface	1.0	0.3	81	15.7	15.7	8.0	8.0	31.1	31.1	119.9	119.9	9.9	9.9	3.8	6	-	-	-	-	-	-								
						1.0	0.3	82	15.7	15.7	8.0	8.0	31.1	31.1	119.9	119.9	9.9	9.9	3.8	7	-	-	-	-	-	-								
					Middle	4.6	0.3	73	15.9	15.9	8.0	8.0	31.1	31.1	117.2	117.3	9.6	9.6	3.9	6	-	-	-	-	-	-								
						4.6	0.3	73	15.9	15.9	8.0	8.0	31.1	31.1	117.3	117.3	9.6	9.6	3.9	7	-	-	-	-	-	-								
					Bottom	8.1	0.2	58	15.6	15.6	8.0	8.0	31.2	31.2	118.5	118.5	9.8	9.8	4.0	6	-	-	-	-	-	-								
						8.1	0.2	62	15.6	15.6	8.1	8.1	31.2	31.2	118.5	118.5	9.8	9.8	4.0	6	-	-	-	-	-	-								
SR5A	Fine	Calm	14:13	3.2	Surface	1.0	0.0	277	15.7	15.7	8.1	8.1	31.4	31.4	131.7	131.7	10.8	10.8	3.5	7	-	-	-	-	-	-								
						1.0	0.0	285	15.7	15.7	8.1	8.1	31.4	31.4	131.7	131.7	10.8	10.8	3.5	8	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	2.2	0.2	311	15.6	15.6	8.1	8.1	31.4	31.4	128.6	128.6	10.6	10.6	3.5	8	-	-	-	-	-	-								
						2.2	0.2	323	15.6	15.6	8.1	8.1	31.4	31.4	128.5	128.5	10.6	10.6	3.4	8	-	-	-	-	-	-								
SR6A</																																		

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

Water Quality Monitoring Results on 14 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	09:15	7.6	Surface	1.0	0.5	41	14.6	14.6	8.0	8.0	30.6	30.6	111.5	111.5	9.4	9.4	7.9	7.9	12	-	-	-	-	-	-	-	-	-				
						1.0	0.5	41	14.6	8.0	8.0	30.6	30.6	111.5	111.5	9.4	9.4	7.9	7.9	11	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.8	0.4	34	14.7	14.7	8.0	8.0	30.6	30.6	112.0	112.0	9.4	9.4	8.3	8.3	9	9	-	-	-	-	-	-	-	-	-	-	-	
						3.8	0.5	34	14.7	14.7	8.0	8.0	30.6	30.6	111.9	111.9	9.4	9.4	8.3	8.3	8	8	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.6	0.4	26	14.7	14.7	8.0	8.0	30.8	30.8	110.8	110.8	9.3	9.3	10.3	10.3	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						6.6	0.4	28	14.7	14.7	8.0	8.0	30.8	30.8	110.7	110.7	9.3	9.3	10.3	10.3	8	8	-	-	-	-	-	-	-	-	-	-	-	-
C2	Cloudy	Moderate	09:44	11.5	Surface	1.0	0.3	356	15.5	15.5	8.1	8.1	31.3	31.3	104.6	104.6	8.6	8.6	2.5	2.5	7	-	-	-	-	-	-	-	-	-				
						1.0	0.4	328	15.5	15.5	8.1	8.1	31.6	31.6	104.6	104.6	8.6	8.6	2.5	2.5	6	6	-	-	-	-	-	-	-	-	-	-		
					Middle	5.8	0.4	17	15.4	15.4	8.1	8.1	31.6	31.6	103.9	103.9	8.6	8.6	5.0	5.0	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						5.8	0.4	16	15.4	15.4	8.1	8.1	31.6	31.6	103.9	103.9	8.6	8.6	5.1	5.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	10.5	0.3	52	15.4	15.4	8.1	8.1	31.9	31.9	103.8	103.8	8.5	8.5	6.0	6.0	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						10.5	0.4	52	15.4	15.4	8.1	8.1	31.8	31.8	103.8	103.8	8.5	8.5	5.9	5.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-
C3	Cloudy	Moderate	07:39	10.5	Surface	1.0	0.5	287	15.3	15.3	8.1	8.1	32.3	32.3	104.8	104.8	8.6	8.6	4.3	4.3	9	-	-	-	-	-	-	-	-	-	-			
						1.0	0.5	289	15.4	15.4	8.1	8.1	32.3	32.3	104.4	104.4	8.6	8.6	7.5	7.5	10	10	-	-	-	-	-	-	-	-	-	-	-	
					Middle	5.3	0.6	314	15.4	15.4	8.1	8.1	32.3	32.3	104.3	104.3	8.6	8.6	8.1	8.1	9	9	-	-	-	-	-	-	-	-	-	-	-	-
						9.5	0.4	292	15.4	15.4	8.1	8.1	32.3	32.3	104.2	104.2	8.6	8.6	14.5	14.5	9	9	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	9.5	0.4	320	15.4	15.4	8.1	8.1	32.3	32.3	104.2	104.2	8.6	8.6	14.7	14.7	10	10	-	-	-	-	-	-	-	-	-	-	-	-
						9.5	0.4	320	15.4	15.4	8.1	8.1	32.3	32.3	104.2	104.2	8.6	8.6	14.7	14.7	10	10	-	-	-	-	-	-	-	-	-	-	-	-
IM1	Fine	Moderate	09:36	4.7	Surface	1.0	0.0	310	15.0	15.0	8.0	8.0	31.4	31.4	112.8	112.8	9.4	9.4	3.5	3.5	8	-	-	-	-	-	-	-	-	-				
						1.0	0.0	324	15.0	15.0	8.0	8.0	31.4	31.4	112.8	112.8	9.4	9.4	3.5	3.5	9	9	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.0	327	14.9	14.9	8.0	8.0	31.4	31.4	111.8	111.8	9.3	9.3	3.3	3.3	14	14	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.0	356	14.9	14.9	8.0	8.0	31.3	31.3	111.8	111.8	9.3	9.3	3.3	3.3	13	13	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Moderate	09:44	6.6	Surface	1.0	0.3	8	15.0	15.0	8.0	8.0	31.2	31.2	110.7	110.7	9.2	9.2	9.4	9.4	15	-	-	-	-	-	-	-	-	-				
						1.0	0.3	8	15.0	15.0	8.0	8.0	31.2	31.2	110.7	110.7	9.2	9.2	9.4	9.4	16	16	-	-	-	-	-	-	-	-	-			
					Middle	3.3	0.3	2	15.0	15.0	8.0	8.0	31.3	31.3	111.5	111.5	9.3	9.3	9.6	9.6	14	14	-	-	-	-	-	-	-	-	-	-		
						3.3	0.3	2	15.0	15.0	8.0	8.0	31.3	31.3	111.4	111.4	9.3	9.3	9.7	9.7	13	13	-	-	-	-	-	-	-	-	-	-		
					Bottom	5.6	0.3	5	15.0	15.0	8.0	8.0	31.2	31.2	110.6	110.6	9.2	9.2	11.8	11.8	8	8	-	-	-	-	-	-	-	-	-	-	-	
						5.6	0.3	5	15.0	15.0	8.0	8.0	31.2	31.2	110.6	110.6	9.2	9.2	12.1	12.1	7	7	-	-	-	-	-	-	-	-	-	-	-	
IM3	Fine	Moderate	09:52	6.8	Surface	1.0	0.4	342	14.9	14.9	8.1	8.1	31.2	31.2	111.6	111.6	9.3	9.3	9.4	9.4	16	-	-	-	-	-	-	-	-					
						1.0	0.4	352	14.9	14.9	8.1	8.1	31.2	31.2	111.6	111.6	9.3	9.3	9.0	9.0	17	17	-	-	-	-	-	-	-	-				
					Middle	3.4	0.3	345	15.0	15.0	8.0	8.0	31.2	31.2	113.0	113.0	9.4	9.4	9.8	9.8	16	16	-	-	-	-	-	-	-	-	-	-		
						3.4	0.3	317	15.0	15.0	8.0	8.0	31.2	31.2	112.9	112.9	9.4	9.4	9.7	9.7	16	16	-	-	-	-	-	-	-	-	-			
					Bottom	5.8	0.3	338	15.0	15.0	8.0	8.0	31.2	31.2	112.1	112.1	9.3	9.3	10.0	10.0	16	16	-	-	-	-	-	-	-	-	-	-		
						5.8	0.3	311	15.0	15.0	8.0	8.0	31.2	31.2	112.1	112.1	9.3	9.3	10.1	10.1	15	15	-	-	-	-	-	-	-	-	-			
IM4	Fine	Moderate	10:01	7.9	Surface	1.0	0.6	348	15.0	15.0	8.0	8.0	31.2	31.2	111.8	111.9	9.3	9.3	6.7	6.7	13	-	-	-	-	-	-	-	-					
						1.0	0.6	320	15.0	15.0	8.0	8.0	31.2	31.2	111.9	111.9	9.3	9.3	6.8	6.8	14	14	-	-	-	-	-	-	-					
					Middle	4.0	0.5	348	15.1	15.1	8.0	8.0	31.2	31.2	112.7	112.7	9.4	9.4	7.9	7.9	14	14	-	-	-	-	-	-	-	-				
						4.0	0.5	320	15.1	15.1	8.0	8.0	31.2	31.2	112.6	112.6	9.4	9.4	7.6	7.6	15	15	-	-	-	-	-	-	-					
					Bottom	6.9	0.4	344	15.1	15.1	8.0	8.0	31.2	31.2	111.9	111.9	9.3	9.3	8.1	8.1	16	16	-	-	-	-	-	-	-	-				
						6.9	0.4	316	15.1	15.1	8.0	8.0	31.2	31.2	111.9	111.9	9.3	9.3	7.9	7.9	17	17	-	-	-	-	-	-	-	-				
IM5	Fine	Moderate	10:09	7.1	Surface	1.0	0.7	13	15.0	15.0	8.0	8.0	31.3	31.3	110.9	110.9	9.2	9.2	6.7	6.7	16	-	-	-	-	-	-	-						
						1.0	0.8	13	15.0	15.0	8.0	8.0	31.3	31.3	110.9	110.9	9.2	9.2	6.5	6.5	16	16	-	-	-	-	-	-						
					Middle	3.6	0.7	16	15.0	15.0	8.0	8.0	31.3	31.3	111.8	111.8	9.3	9.3	8.1	8.1	14	14	-	-	-	-	-	-	-					
						3.6	0.7	16	15.0	15.0	8.0	8.0	31.3	31.3	111.8	111.8	9.3	9.3	8.2	8.2	13	13	-	-	-	-	-	-	-					
					Bottom	6.1	0.6	17	15.0	15.0	8.0	8.0	31.3	31.3	111.3	111.3	9.3	9.3	7.0	7.0	13	13	-	-	-	-	-	-	-					
						6.1	0.6	17	15.0	15.0	8.0	8.0	31.3	31.3	111.3	111.3	9.3	9.3	7.1	7.1	12	12	-	-	-	-	-	-	-					
IM6	Fine	Moderate	10:17	7.0	Surface	1.0	0.1	21	15.0	15.0	8.0	8.0	31.3	31.3	112.3	112.3	9.3	9.3	3.5	3.5	12	-	-	-	-	-	-							
						1.0	0.1	21	15.0	15.0	8.0	8.0	31.3	31.3	112.2	112.2	9.3	9.3																

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

Water Quality Monitoring Results on 14 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Cloudy	Moderate	09:12	6.8	Surface	1.0	0.2	239	15.3	15.3	8.1	8.1	32.2	32.2	103.9	103.8	8.5	8.5	4.1	4.1	11	11	-	-	822117	808810	-	-	-	-					
						1.0	0.2	258	15.3	15.3	8.1	8.1	32.2	32.2	103.7	103.5	8.5	8.5	4.1	4.1	11	11	-	-	-	-	-	-	-	-	-	-			
					Middle	3.4	0.1	243	15.3	15.3	8.1	8.1	32.2	32.2	103.5	103.5	8.5	8.5	4.9	4.9	13	13	-	-	-	-	-	-	-	-	-	-	-	-	
						3.4	0.1	253	15.3	15.3	8.1	8.1	32.2	32.2	103.5	103.5	8.5	8.5	5.0	5.0	12	12	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	5.8	0.1	227	15.3	15.3	8.1	8.1	32.2	32.2	103.9	103.9	8.6	8.6	4.5	4.5	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.8	0.1	248	15.3	15.3	8.1	8.1	32.2	32.2	103.8	103.8	8.5	8.5	4.5	4.5	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-
IM10	Cloudy	Moderate	09:05	6.8	Surface	1.0	0.5	325	15.3	15.3	8.1	8.1	32.2	32.2	105.3	105.1	8.7	8.7	4.6	4.6	12	12	-	-	822406	809815	-	-	-	-					
						1.0	0.5	338	15.3	15.3	8.1	8.1	32.2	32.2	104.9	104.9	8.6	8.6	4.8	4.8	11	11	-	-	-	-	-	-	-	-	-	-			
					Middle	3.4	0.4	322	15.2	15.2	8.1	8.1	32.2	32.2	104.7	104.7	8.6	8.6	5.7	5.7	12	12	-	-	-	-	-	-	-	-	-	-	-	-	
						3.4	0.5	328	15.2	15.2	8.1	8.1	32.2	32.2	104.7	104.7	8.6	8.6	5.7	5.7	11	11	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	5.8	0.4	318	15.2	15.2	8.1	8.1	32.2	32.2	104.2	104.2	8.6	8.6	7.2	7.2	12	12	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.8	0.4	347	15.2	15.2	8.1	8.1	32.2	32.2	104.2	104.2	8.6	8.6	7.4	7.4	13	13	-	-	-	-	-	-	-	-	-	-	-	-	-
IM11	Cloudy	Moderate	08:55	7.3	Surface	1.0	0.5	276	15.3	15.3	8.1	8.1	32.3	32.3	104.8	104.7	8.6	8.6	6.2	6.2	17	17	-	-	822060	811440	-	-	-	-					
						1.0	0.6	291	15.3	15.3	8.1	8.1	32.3	32.3	104.6	104.6	8.6	8.6	6.3	6.3	17	17	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.7	0.5	279	15.2	15.2	8.1	8.1	32.3	32.3	104.4	104.4	8.6	8.6	7.6	7.6	15	15	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	0.6	298	15.2	15.2	8.1	8.1	32.3	32.3	104.3	104.3	8.6	8.6	7.8	7.8	14	14	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.3	0.4	287	15.2	15.2	8.1	8.1	32.3	32.3	103.7	103.8	8.5	8.5	7.0	7.0	15	15	-	-	-	-	-	-	-	-	-	-	-	-	
						6.3	0.4	306	15.2	15.2	8.1	8.1	32.3	32.3	103.9	103.9	8.6	8.6	7.0	7.0	14	14	-	-	-	-	-	-	-	-	-	-	-	-	
IM12	Cloudy	Moderate	08:50	7.4	Surface	1.0	0.6	298	15.3	15.3	8.1	8.1	32.4	32.4	104.5	104.5	8.6	8.6	7.4	7.4	16	16	-	-	821472	812065	-	-	-	-					
						1.0	0.6	317	15.3	15.3	8.1	8.1	32.4	32.4	104.5	104.5	8.6	8.6	7.2	7.2	17	17	-	-	-	-	-	-	-	-	-				
					Middle	3.7	0.5	304	15.3	15.3	8.1	8.1	32.3	32.3	104.1	104.2	8.6	8.6	11.8	11.8	18	18	-	-	-	-	-	-	-	-	-	-	-		
						3.7	0.6	310	15.3	15.3	8.1	8.1	32.3	32.3	104.2	104.2	8.6	8.6	11.8	11.8	19	19	-	-	-	-	-	-	-	-	-	-			
					Bottom	6.4	0.5	297	15.3	15.3	8.1	8.1	32.3	32.3	103.8	103.9	8.5	8.5	18.7	18.7	20	20	-	-	-	-	-	-	-	-	-	-	-		
						6.4	0.5	306	15.3	15.3	8.1	8.1	32.3	32.3	103.9	103.9	8.5	8.5	18.5	18.5	20	20	-	-	-	-	-	-	-	-	-	-	-		
SR1A	Cloudy	Calm	08:14	4.3	Surface	1.0	-	-	15.2	15.2	8.1	8.1	32.4	32.4	103.8	103.8	8.6	8.6	1.0	1.0	7	7	-	-	819976	812659	-	-	-	-					
						1.0	-	-	15.2	15.2	8.1	8.1	32.4	32.4	103.8	103.8	8.6	8.6	1.1	1.1	6	6	-	-	-	-	-	-	-	-					
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.3	-	-	15.2	15.2	8.1	8.1	32.4	32.4	102.7	102.8	8.5	8.5	2.5	2.5	5	5	-	-	-	-	-	-	-	-	-	-	-		
						3.3	-	-	15.2	15.2	8.1	8.1	32.4	32.4	102.8	102.8	8.5	8.5	2.5	2.5	5	5	-	-	-	-	-	-	-	-	-	-	-		
SR2	Cloudy	Moderate	07:58	4.0	Surface	1.0	0.1	43	15.2	15.2	8.1	8.1	32.3	32.3	104.2	104.2	8.6	8.6	12.4	12.4	23	23	-	-	821476	814145	-	-	-	-					
						1.0	0.1	46	15.2	15.2	8.1	8.1	32.3	32.3	104.2	104.2	8.6	8.6	12.5	12.5	22	22	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.0	0.1	42	15.2	15.2	8.1	8.1	32.3	32.3	103.6	103.6	8.5	8.5	14.6	14.6	22	22	-	-	-	-	-	-	-	-	-	-			
						3.0	0.1	44	15.2	15.2	8.1	8.1	32.3	32.3	103.5	103.5	8.5	8.5	14.9	14.9	21	21	-	-	-	-	-	-	-	-	-	-			
SR3	Cloudy	Moderate	09:25	8.5	Surface	1.0	0.1	358	15.5	15.5	8.1	8.1	31.3	31.3	104.9	104.8	8.7	8.7	2.2	2.2	9	9	-	-	822170	807586	-	-	-	-					
						1.0	0.1	329	15.5	15.5	8.1	8.1	31.4	31.4	104.7	104.7	8.6	8.6	2.3	2.3	8	8	-	-	-	-	-	-	-	-					
					Middle	4.3	0.1	353	15.5	15.5	8.1	8.1	31.7	31.7	103.9	103.9	8.5	8.5	3.0	3.0	7	7	-	-	-	-	-	-	-	-	-				
						4.3	0.1	325	15.5	15.5	8.1	8.1	31.7	31.7	103.8	103.8	8.5	8.5	3.1	3.1	8	8	-	-	-	-	-	-	-	-					
					Bottom	7.5	0.2	8	15.5	15.5	8.1	8.1	31.7	31.7	103.7	103.8	8.5	8.5	3.3	3.3	8	8	-	-	-	-	-	-	-	-	-				
						7.5	0.2	8	15.5	15.5	8.1	8.1	31.7	31.7	103.8	103.8	8.5	8.5	3.4	3.4	7	7	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Calm	08:50	8.9	Surface	1.0	0.2	70	14.9	14.9	8.0	8.0	31.3	31.3	111.5	111.5	9.3	9.3	2.5	2.5	7	7	-	-	817184	807814	-	-	-	-					
						1.0	0.2	71	14.9	14.9	8.0	8.0	31.3	31.3	111.5	111.5	9.3	9.3	2.5	2.5	7	7	-	-	-	-	-	-	-						
					Middle	4.5	0.2	61	14.9	14.9	8.0	8.0	31.4	31.4	112.1	112.1	9.3	9.3	2.7	2.7	5	5	-	-	-	-	-	-	-	-					
						4.5	0.2	63	14.9	14.9	8.0	8.0	31.4	31.4	112.1	112.1	9.3	9.3	2.8	2.8	5	5	-	-	-	-	-	-	-						
					Bottom	7.9	0.2	60	14.7	14.7	8.0	8.0	31.4	31.4	110.9	110.9	9.3	9.3	3.0	3.0	5	5	-	-	-	-	-	-	-	-					
						7.9	0.2	64	14.7	14.7	8.0	8.0	31.4	31.4	110.8	110.8	9.3	9.3	3.0	3.0	5	5	-	-	-	-	-	-	-						
SR5A	Cloudy	Calm	08:31	3.1	Surface	1.0	0.4	241	14.9	14.9	8.0	8.0	31.4	31.4	112.5	112.5	9.4	9.4	2.8	2.8	6	6	-	-	816609	81067									

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

Water Quality Monitoring Results on 16 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			
C1	Sunny	Moderate	15:11	8.9	Surface	1.0	0.1	277	16.3	16.3	8.1	8.1	30.5	30.5	118.7	118.7	9.7	9.7	6.8	7	-	-	-	-	815606	804256	-	-	-	-						
						1.0	0.1	295	16.3	16.3	8.1	8.1	30.5	30.5	118.7	118.7	9.7	9.7	7.0	7	-	-	-	-	-	-	-	-	-	-	-	-				
						4.5	0.1	88	16.2	16.2	8.1	8.1	30.5	30.5	118.4	118.3	9.7	9.7	5.4	11	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.5	0.1	95	16.2	16.2	8.1	8.1	30.5	30.5	118.2	118.2	9.7	9.7	5.4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						7.9	0.1	193	16.7	16.7	8.1	8.1	30.6	30.6	118.2	118.2	9.6	9.6	4.9	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						7.9	0.1	211	16.7	16.7	8.1	8.1	30.6	30.6	118.1	118.1	9.5	9.5	4.9	11	-	-	-	-	-	-	-	-	-	-	-	-	-			
					C2	Cloudy	Rough	13:45	12.1	Surface	1.0	0.2	135	16.1	16.1	8.1	8.1	30.9	30.9	118.0	118.0	9.6	9.6	3.3	7	-	-	-	-	825674	806937	-	-	-	-	
											1.0	0.2	139	16.1	16.1	8.1	8.1	30.9	30.9	118.0	118.0	9.6	9.6	3.3	8	-	-	-	-	-	-	-	-	-	-	-
											6.1	0.5	154	16.0	16.0	8.1	8.1	31.4	31.4	115.6	115.6	9.4	9.4	4.1	5	-	-	-	-	-	-	-	-	-	-	-
Middle	6.1	0.5	168	16.0						16.0	8.1	8.1	31.4	31.4	115.6	115.6	9.4	9.4	4.1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
	11.1	0.5	144	16.0						16.0	8.1	8.1	31.7	31.7	114.7	114.7	9.3	9.3	4.2	5	-	-	-	-	-	-	-	-	-	-	-	-	-			
	11.1	0.5	154	16.0						16.0	8.1	8.1	31.7	31.7	114.7	114.7	9.3	9.3	4.2	6	-	-	-	-	-	-	-	-	-	-	-	-	-			
C3	Cloudy	Rough	15:53	11.6						Surface	1.0	0.4	286	16.2	16.2	8.1	8.1	32.1	32.1	111.8	111.8	9.0	9.0	2.8	6	-	-	-	-	822124	817797	-	-	-	-	
											1.0	0.4	296	16.2	16.2	8.1	8.1	32.1	32.1	111.8	111.8	9.0	9.0	2.8	7	-	-	-	-	-	-	-	-	-	-	-
											5.8	0.2	257	16.1	16.1	8.1	8.1	32.2	32.2	109.6	109.6	8.9	8.9	2.9	7	-	-	-	-	-	-	-	-	-	-	-
					Middle	5.8	0.2	282	16.1	16.1	8.1	8.1	32.2	32.2	109.6	109.6	8.9	8.9	2.9	6	-	-	-	-	-	-	-	-	-	-	-	-	-			
						10.6	0.1	120	16.1	16.1	8.1	8.1	32.3	32.3	110.1	110.1	8.9	8.9	2.9	7	-	-	-	-	-	-	-	-	-	-	-	-	-			
						10.6	0.1	124	16.1	16.1	8.1	8.1	32.3	32.3	110.1	110.1	8.9	8.9	2.9	6	-	-	-	-	-	-	-	-	-	-	-	-	-			
					IM1	Sunny	Moderate	14:51	4.8	Surface	1.0	0.1	237	16.5	16.5	8.1	8.1	31.0	31.0	120.6	120.6	9.8	9.8	4.5	9	-	-	-	-	817935	807125	-	-	-	-	
											1.0	0.1	241	16.5	16.5	8.1	8.1	31.0	31.0	120.6	120.6	9.8	9.8	4.5	9	-	-	-	-	-	-	-	-	-	-	
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
	3.8	0.0	235	16.5						16.5	8.1	8.1	31.0	31.0	120.8	120.8	9.8	9.8	4.5	9	-	-	-	-	-	-	-	-	-	-	-	-				
	3.8	0.0	243	16.5						16.5	8.1	8.1	31.0	31.0	120.7	120.7	9.8	9.8	4.5	10	-	-	-	-	-	-	-	-	-	-	-	-				
IM2	Sunny	Moderate	14:42	6.7						Surface	1.0	0.1	356	16.2	16.2	8.0	8.0	30.8	30.8	118.1	118.1	9.6	9.6	7.5	9	-	-	-	-	818184	806164	-	-	-	-	
											1.0	0.1	328	16.2	16.2	8.0	8.0	30.8	30.8	118.1	118.1	9.6	9.6	7.4	8	-	-	-	-	-	-	-	-	-	-	
											3.4	0.1	36	16.2	16.2	8.0	8.0	30.8	30.8	117.5	117.5	9.6	9.6	6.7	10	-	-	-	-	-	-	-	-	-	-	
					Middle	3.4	0.1	38	16.2	16.2	8.0	8.0	30.8	30.8	117.4	117.4	9.6	9.6	6.8	9	-	-	-	-	-	-	-	-	-	-	-	-				
						5.7	0.1	74	16.3	16.3	8.0	8.0	30.8	30.8	117.9	117.8	9.6	9.6	6.9	12	-	-	-	-	-	-	-	-	-	-	-					
						5.7	0.1	77	16.3	16.3	8.0	8.0	30.8	30.8	117.7	117.7	9.6	9.6	6.9	11	-	-	-	-	-	-	-	-	-	-	-					
					IM3	Sunny	Moderate	14:34	6.9	Surface	1.0	0.1	340	16.4	16.4	8.1	8.1	30.7	30.7	117.9	117.9	9.6	9.6	5.2	8	-	-	-	-	818764	805581	-	-	-	-	
											1.0	0.1	313	16.4	16.4	8.1	8.1	30.7	30.7	117.9	117.9	9.6	9.6	5.2	7	-	-	-	-	-	-	-	-	-		
											3.5	0.0	60	16.2	16.2	8.1	8.1	30.7	30.7	118.2	118.2	9.6	9.6	5.4	11	-	-	-	-	-	-	-	-	-		
Middle	3.5	0.0	60	16.2						16.2	8.1	8.1	30.7	30.7	118.1	118.1	9.6	9.6	5.4	11	-	-	-	-	-	-	-	-	-	-	-					
	5.9	0.0	70	16.4						16.4	8.0	8.0	30.7	30.7	116.9	116.9	9.5	9.5	10.1	10	-	-	-	-	-	-	-	-	-	-						
	5.9	0.0	75	16.4						16.4	8.0	8.0	30.7	30.7	116.8	116.8	9.5	9.5	10.3	11	-	-	-	-	-	-	-	-	-	-						
IM4	Sunny	Moderate	14:23	8.0						Surface	1.0	0.1	343	16.4	16.4	8.1	8.1	30.6	30.6	118.2	118.2	9.6	9.6	6.9	8	-	-	-	-	819733	804596	-	-	-	-	
											1.0	0.2	344	16.4	16.4	8.1	8.1	30.6	30.6	118.1	118.1	9.6	9.6	6.9	8	-	-	-	-	-	-	-	-	-		
											4.0	0.1	332	16.2	16.2	8.1	8.1	30.4	30.4	117.5	117.5	9.6	9.6	6.1	8	-	-	-	-	-	-	-	-			
					Middle	4.0	0.1	349	16.2	16.2	8.1	8.1	30.4	30.4	117.4	117.4	9.6	9.6	6.1	9	-	-	-	-	-	-	-	-	-							
						7.0	0.1	324	16.5	16.5	8.1	8.1	30.7	30.7	116.5	116.5	9.5	9.5	11.2	14	-	-	-	-	-	-	-	-								
						7.0	0.1	351	16.5	16.5	8.1	8.1	30.7	30.7	116.4	116.4	9.4	9.4	11.0	13	-	-	-	-	-	-	-	-								
					IM5	Sunny	Moderate	14:11	7.4	Surface	1.0	0.2	12	16.1	16.1	8.0	8.0	30.9	30.9	117.4	117.4	9.6	9.6	5.7	10	-	-	-	-	820732	804875	-	-	-	-	
											1.0	0.2	12	16.1	16.1	8.0	8.0	30.9	30.9	117.4	117.4	9.6	9.6	5.6	11	-	-	-	-	-	-	-				
											3.7	0.2	356	16.2	16.2	8.0	8.0	30.8	30.8	117.1	117.1	9.6	9.6	6.0	11	-	-	-	-	-	-	-				
Middle	3.7	0.2	328	16.2						16.2	8.0	8.0	30.8	30.8	117.0	117.0	9.5	9.5	6.0	12	-	-	-	-	-	-	-	-								
	6.4	0.2	335	16.1						16.1	8.0	8.0	30.8	30.8	115.0	115.0	9.4	9.4	6.4	12	-	-	-	-	-	-	-									
	6.4	0.2	354	16.1						16.1	8.0	8.0	30.8	30.8	114.9	114.9	9.4	9.4	6.3	11	-	-	-	-	-	-	-									
IM6	Sunny	Moderate	14:03	8.3						Surface	1.0	0.1	286	16.2	16.2	8.1	8.1	30.7	30.7	119.8	119.8	9.8	9.8	3.8	7	-	-	-	-	821038	805828	-	-	-	-	
											1.0	0.1	296	16.2	16.2	8.1	8.1	30.7	30.7	119.8	119.8	9.8	9.8	3.8	7	-	-	-	-	-	-	-				
											4.2	0.1	290	16.3	16.3	8.1	8.1	30.7	30.7	119.6	119.6	9.7	9.7	4.2	8	-	-	-	-	-	-					
					Middle	4.2	0.1	298	16.3	16.3	8.1	8.1	30.7	30.7	119.6	119.6	9.7	9.																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	14:15	7.4	Surface	1.0	0.1	31	16.0	16.0	8.1	8.1	31.1	31.1	115.2	115.2	9.4	9.4	3.9	3.9	8	8	-	-	822087	808809	-	-	-	-		
						1.0	0.1	31	16.0	16.0	8.1	8.1	31.1	31.1	115.2	115.2	9.4	9.4	3.9	3.9	7	7	-	-	-	-	-	-	-	-	-	-
					Middle	3.7	0.1	102	16.0	16.0	8.1	8.1	31.3	31.3	114.2	114.2	9.3	9.3	4.4	4.4	7	7	-	-	-	-	-	-	-	-	-	-
						3.7	0.1	105	16.0	16.0	8.1	8.1	31.3	31.3	114.2	114.2	9.3	9.3	4.4	4.4	8	8	-	-	-	-	-	-	-	-	-	-
					Bottom	6.4	0.1	73	16.0	16.0	8.1	8.1	31.8	31.8	111.2	111.4	9.1	9.1	5.6	5.6	7	7	-	-	-	-	-	-	-	-	-	-
						6.4	0.1	78	16.0	16.0	8.1	8.1	31.8	31.8	111.5	111.4	9.1	9.1	5.7	5.7	8	8	-	-	-	-	-	-	-	-	-	-
IM10	Cloudy	Rough	14:22	7.0	Surface	1.0	0.1	68	16.0	16.0	8.1	8.1	31.0	31.0	116.0	116.0	9.5	9.5	3.4	3.4	7	7	-	-	822373	809772	-	-	-	-		
						1.0	0.1	73	16.0	16.0	8.1	8.1	31.0	31.0	116.0	116.0	9.5	9.5	3.4	3.4	7	7	-	-	-	-	-	-	-	-	-	
					Middle	3.5	0.2	60	15.9	15.9	8.1	8.1	31.3	31.3	113.5	113.5	9.3	9.3	3.5	3.5	7	7	-	-	-	-	-	-	-	-	-	-
						3.5	0.2	62	15.9	15.9	8.1	8.1	31.3	31.3	113.5	113.5	9.3	9.3	3.5	3.5	6	6	-	-	-	-	-	-	-	-	-	-
					Bottom	6.0	0.2	41	16.0	16.0	8.1	8.1	31.7	31.7	112.4	112.4	9.2	9.2	3.4	3.4	5	5	-	-	-	-	-	-	-	-	-	-
						6.0	0.2	42	16.0	16.0	8.1	8.1	31.7	31.7	112.4	112.4	9.2	9.2	3.4	3.4	6	6	-	-	-	-	-	-	-	-	-	-
IM11	Cloudy	Rough	14:34	7.6	Surface	1.0	0.1	6	15.9	15.9	8.1	8.1	31.8	31.8	115.4	115.4	9.4	9.4	3.1	3.1	8	8	-	-	822044	811443	-	-	-	-		
						1.0	0.1	6	15.9	15.9	8.1	8.1	31.8	31.8	115.4	115.4	9.4	9.4	3.1	3.1	9	9	-	-	-	-	-	-	-	-	-	
					Middle	3.8	0.0	74	15.9	15.9	8.1	8.1	31.8	31.8	113.7	113.7	9.3	9.3	3.7	3.7	8	8	-	-	-	-	-	-	-	-	-	-
						3.8	0.0	75	15.9	15.9	8.1	8.1	31.8	31.8	113.7	113.7	9.3	9.3	3.7	3.7	9	9	-	-	-	-	-	-	-	-	-	-
					Bottom	6.6	0.1	94	15.9	15.9	8.1	8.1	31.8	31.8	111.3	111.3	9.1	9.1	4.9	4.9	7	7	-	-	-	-	-	-	-	-	-	-
						6.6	0.1	97	15.9	15.9	8.1	8.1	31.8	31.8	111.3	111.3	9.1	9.1	4.9	4.9	8	8	-	-	-	-	-	-	-	-	-	-
IM12	Cloudy	Rough	14:41	8.8	Surface	1.0	0.2	234	16.0	16.0	8.1	8.1	31.8	31.8	117.4	117.4	9.6	9.6	2.9	2.9	7	7	-	-	821452	812039	-	-	-	-		
						1.0	0.2	238	16.0	16.0	8.1	8.1	31.8	31.8	117.4	117.4	9.6	9.6	2.9	2.9	8	8	-	-	-	-	-	-	-	-	-	
					Middle	4.4	0.1	206	16.0	16.0	8.1	8.1	31.9	31.9	115.7	115.7	9.4	9.4	3.0	3.0	8	8	-	-	-	-	-	-	-	-	-	-
						4.4	0.2	221	16.0	16.0	8.1	8.1	31.9	31.9	115.7	115.7	9.4	9.4	3.0	3.0	7	7	-	-	-	-	-	-	-	-	-	-
					Bottom	7.8	0.1	201	16.0	16.0	8.1	8.1	31.9	31.9	114.3	114.2	9.3	9.3	3.0	3.0	8	8	-	-	-	-	-	-	-	-	-	-
						7.8	0.1	216	16.0	16.0	8.1	8.1	31.9	31.9	114.1	114.1	9.3	9.3	3.1	3.1	9	9	-	-	-	-	-	-	-	-	-	-
SR1A	Cloudy	Moderate	15:17	5.1	Surface	1.0	-	-	16.2	16.2	8.2	8.2	32.0	32.0	118.1	118.1	9.6	9.6	3.4	3.4	4	4	-	-	819977	812659	-	-	-	-		
						1.0	-	-	16.2	16.2	8.2	8.2	32.0	32.0	118.1	118.1	9.6	9.6	3.4	3.4	5	5	-	-	-	-	-	-	-	-	-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.1	-	-	16.1	16.1	8.1	8.1	32.0	32.0	115.8	115.8	9.4	9.4	3.1	3.1	6	6	-	-	-	-	-	-	-	-	-	-
						4.1	-	-	16.1	16.1	8.1	8.1	32.0	32.0	115.8	115.8	9.4	9.4	3.1	3.1	7	7	-	-	-	-	-	-	-	-	-	-
SR2	Cloudy	Rough	15:32	4.7	Surface	1.0	0.1	54	16.1	16.1	8.1	8.1	31.9	31.9	115.6	115.6	9.4	9.4	3.0	3.0	11	11	-	-	821462	814159	-	-	-	-		
						1.0	0.1	56	16.1	16.1	8.1	8.1	31.9	31.9	115.6	115.6	9.4	9.4	3.0	3.0	12	12	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.1	48	16.1	16.1	8.1	8.1	31.9	31.9	112.5	112.5	9.1	9.1	3.0	3.0	7	7	-	-	-	-	-	-	-	-	-	-
						3.7	0.1	51	16.1	16.1	8.1	8.1	31.9	31.9	112.5	112.5	9.1	9.1	3.0	3.0	7	7	-	-	-	-	-	-	-	-	-	-
SR3	Cloudy	Rough	14:03	8.8	Surface	1.0	0.1	193	16.0	16.0	8.1	8.1	31.3	31.3	115.9	115.9	9.5	9.5	3.9	3.9	8	8	-	-	822148	807566	-	-	-	-		
						1.0	0.1	205	16.0	16.0	8.1	8.1	31.3	31.3	115.9	115.9	9.5	9.5	3.9	3.9	8	8	-	-	-	-	-	-	-	-	-	
					Middle	4.4	0.2	156	16.0	16.0	8.1	8.1	31.4	31.4	115.1	115.1	9.4	9.4	4.4	4.4	7	7	-	-	-	-	-	-	-	-	-	-
						4.4	0.2	163	16.0	16.0	8.1	8.1	31.4	31.4	115.1	115.1	9.4	9.4	4.4	4.4	8	8	-	-	-	-	-	-	-	-	-	-
					Bottom	7.8	0.1	115	15.9	15.9	8.1	8.1	31.6	31.6	113.6	113.6	9.3	9.3	5.1	5.1	6	6	-	-	-	-	-	-	-	-	-	-
						7.8	0.1	123	15.9	15.9	8.1	8.1	31.6	31.6	113.6	113.6	9.3	9.3	5.1	5.1	7	7	-	-	-	-	-	-	-	-	-	-
SR4A	Sunny	Calm	15:35	7.8	Surface	1.0	0.0	108	16.3	16.3	8.0	8.0	30.9	30.9	120.7	120.7	9.8	9.8	4.8	4.8	10	10	-	-	817211	807810	-	-	-	-		
						1.0	0.0	118	16.3	16.3	8.0	8.0	30.9	30.9	120.6	120.6	9.8	9.8	4.8	4.8	11	11	-	-	-	-	-	-	-	-	-	
					Middle	3.9	0.1	88	16.4	16.4	8.0	8.0	30.8	30.8	120.5	120.5	9.8	9.8	4.6	4.6	11	11	-	-	-	-	-	-	-	-	-	-
						3.9	0.1	95	16.4	16.4	8.0	8.0	30.8	30.8	120.5	120.5	9.8	9.8	4.6	4.6	12	12	-	-	-	-	-	-	-	-	-	-
					Bottom	6.8	0.1	74	16.4	16.4	8.0	8.0	30.8	30.8	120.1	120.0	9.7	9.7	5.8	5.8	12	12	-	-	-	-	-	-	-	-	-	-
						6.8	0.1	79	16.4	16.4	8.0	8.0	30.8	30.8	119.9	119.9	9.7	9.7	5.8	5.8	13	13	-	-	-	-	-	-	-	-	-	-
SR5A	Sunny	Calm	15:53	4.3	Surface	1.0	0.1	16	16.7	16.7	8.1	8.1	31.1	31.1	124.8	124.8	10.1	10.1	3.8	3.8	6	6	-	-	816594	810686	-	-	-	-		
						1.0	0.1	17	16.7	16.7	8.1	8.1	31.1	31.1	124.8	124.8	10.1	10.1	3.8	3.8	6	6	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.3	0.1	3	16.8	16.8	8.1	8.1	31.1	31.1	123.9	123.8	10.0	10.0	3.7	3.7	11	11	-	-	-	-	-	-	-	-	-	-
						3.3	0.1	3	16.8	16.8	8.1	8.1	31.1	31.1	123.7	123.7	10.0	10.0	3.7	3.7	10	10	-	-	-	-	-	-	-	-	-	-
SR6A	Sunny	Calm	16:23	3.8	Surface	1.0	0.1	102	16.7	16.7	8.1	8.1	31.2	31.2	124.3	124.3	10.0	10.0	4.8	4.8	11	11	-	-	817969	814749	-	-	-	-		
						1.0	0.1	107	16.7	16.7	8.1	8.1	31.2	31.2	124.2	124.2	10.0	10.0	4.8	4.8	11	11	-	-	-	-	-	-	-	-	-	

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

Water Quality Monitoring

Water Quality Monitoring Results on 16 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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
C1	Fine	Moderate	10:33	8.7	Surface	1.0	0.6	40	16.0	16.0	8.1	8.1	29.7	29.7	120.0	120.0	9.9	9.9	5.0	7	-	-	-	-	-	-	-	-	-	-				
						1.0	0.6	40	16.0	16.0	8.1	8.1	29.7	29.7	119.9	119.9	9.9	9.9	5.0	6	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	4.4	0.6	42	16.2	16.2	8.1	8.1	29.8	29.8	118.7	118.7	9.7	9.7	5.0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.4	0.6	45	16.2	16.2	8.1	8.1	29.8	29.8	118.6	118.6	9.7	9.7	5.0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.7	0.4	38	16.5	16.5	8.1	8.1	30.7	30.7	116.8	116.8	9.5	9.5	13.0	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						7.7	0.4	38	16.5	16.5	8.1	8.1	30.7	30.7	116.7	116.7	9.5	9.5	13.0	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	Fine	Moderate	11:40	11.6	Surface	1.0	0.3	350	16.0	16.0	8.1	8.1	30.7	30.7	113.6	113.6	9.3	9.3	4.5	7	-	-	-	-	-	-	-	-	-	-				
						1.0	0.3	322	16.0	16.0	8.1	8.1	30.7	30.7	113.6	113.6	9.3	9.3	4.5	6	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	5.8	0.4	28	15.8	15.8	8.1	8.1	31.2	31.2	110.3	110.3	9.0	9.0	8.3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.8	0.4	30	15.8	15.8	8.1	8.1	31.2	31.2	110.3	110.3	9.0	9.0	8.3	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	10.6	0.4	346	15.8	15.8	8.1	8.1	31.4	31.4	109.3	109.3	9.0	9.0	12.8	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						10.6	0.5	318	15.8	15.8	8.1	8.1	31.4	31.4	109.3	109.3	9.0	9.0	12.8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	Fine	Moderate	09:21	10.6	Surface	1.0	0.3	241	15.9	15.9	8.1	8.1	31.8	31.8	112.3	112.3	9.2	9.2	3.5	13	-	-	-	-	-	-	-	-	-	-	-			
						1.0	0.3	251	15.8	15.8	8.1	8.1	31.8	31.8	112.3	112.3	9.2	9.2	3.5	12	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	5.3	0.4	252	15.8	15.8	8.1	8.1	31.9	31.9	110.6	110.6	9.0	9.0	5.7	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.3	0.4	262	15.8	15.8	8.1	8.1	31.9	31.9	110.6	110.6	9.0	9.0	5.7	12	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	9.6	0.4	266	15.8	15.8	8.0	8.0	31.9	31.9	109.6	109.6	8.9	8.9	12.4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						9.6	0.4	285	15.8	15.8	8.0	8.0	31.9	31.9	109.6	109.6	8.9	8.9	12.4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM1	Sunny	Moderate	10:54	4.7	Surface	1.0	0.1	316	16.5	16.5	8.1	8.1	31.0	31.0	117.9	117.9	9.6	9.6	3.6	5	-	-	-	-	-	-	-	-	-	-				
						1.0	0.1	328	16.5	16.5	8.1	8.1	31.0	31.0	117.7	117.7	9.5	9.5	3.6	4	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.1	316	16.8	16.8	8.1	8.1	31.1	31.1	117.3	117.3	9.4	9.4	6.8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	0.1	331	16.8	16.8	8.1	8.1	31.0	31.0	117.1	117.1	9.4	9.4	6.6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Sunny	Moderate	11:02	6.7	Surface	1.0	0.2	12	16.0	16.0	8.1	8.1	30.8	30.8	115.8	115.8	9.5	9.5	6.7	9	-	-	-	-	-	-	-	-	-	-				
						1.0	0.2	13	16.0	16.0	8.1	8.1	30.8	30.8	115.8	115.8	9.5	9.5	6.7	9	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.4	0.2	9	15.9	15.9	8.1	8.1	30.9	30.9	115.1	115.1	9.4	9.4	6.7	11	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.4	0.2	9	15.9	15.9	8.1	8.1	30.9	30.9	115.0	115.0	9.4	9.4	6.6	11	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	5.7	0.2	356	16.2	16.2	8.1	8.1	30.9	30.9	113.9	113.9	9.3	9.3	7.0	10	-	-	-	-	-	-	-	-	-	-	-	-	-	
						5.7	0.2	328	16.2	16.2	8.1	8.1	30.9	30.9	113.7	113.7	9.3	9.3	7.1	11	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM3	Sunny	Moderate	11:10	7.0	Surface	1.0	0.3	347	16.0	16.0	8.0	8.0	30.8	30.8	116.0	116.0	9.5	9.5	10.4	8	-	-	-	-	-	-	-	-	-	-				
						1.0	0.3	319	16.0	16.0	8.0	8.0	30.8	30.8	116.0	116.0	9.5	9.5	10.4	9	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.5	0.3	343	16.0	16.0	8.0	8.0	30.8	30.8	116.1	116.1	9.5	9.5	17.6	8	-	-	-	-	-	-	-	-	-	-	-	-		
						3.5	0.3	316	16.0	16.0	8.0	8.0	30.8	30.8	116.0	116.0	9.5	9.5	17.8	9	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	6.0	0.3	338	16.1	16.1	8.0	8.0	30.8	30.8	115.4	115.4	9.4	9.4	14.9	9	-	-	-	-	-	-	-	-	-	-	-	-		
						6.0	0.3	344	16.1	16.1	8.0	8.0	30.8	30.8	115.3	115.3	9.4	9.4	14.8	8	-	-	-	-	-	-	-	-	-	-	-			
IM4	Sunny	Moderate	11:22	7.8	Surface	1.0	1.7	45	15.9	15.9	8.0	8.0	30.7	30.7	115.3	115.3	9.5	9.5	6.5	9	-	-	-	-	-	-	-	-	-					
						1.0	1.8	49	15.9	15.9	8.0	8.0	30.7	30.7	115.2	115.2	9.5	9.5	6.4	8	-	-	-	-	-	-	-	-	-					
					Middle	3.9	1.9	43	15.9	15.9	8.0	8.0	30.7	30.7	114.7	114.7	9.4	9.4	6.6	9	-	-	-	-	-	-	-	-	-	-				
						3.9	2.0	43	15.9	15.9	8.0	8.0	30.7	30.7	114.7	114.7	9.4	9.4	6.6	8	-	-	-	-	-	-	-	-	-					
					Bottom	6.8	1.7	48	16.0	16.0	8.0	8.0	30.7	30.7	114.6	114.6	9.4	9.4	9.8	9	-	-	-	-	-	-	-	-	-	-				
						6.8	1.8	51	16.0	16.0	8.0	8.0	30.7	30.7	114.5	114.5	9.4	9.4	9.7	9	-	-	-	-	-	-	-	-	-					
IM5	Sunny	Moderate	11:30	7.3	Surface	1.0	1.4	106	16.0	16.0	8.0	8.0	30.8	30.8	116.7	116.7	9.6	9.6	6.2	9	-	-	-	-	-	-	-	-						
						1.0	1.5	109	16.0	16.0	8.0	8.0	30.8	30.8	116.6	116.6	9.6	9.6	6.2	10	-	-	-	-	-	-	-	-						
					Middle	3.7	1.5	103	16.1	16.1	8.0	8.0	30.7	30.7	116.2	116.2	9.5	9.5	6.6	10	-	-	-	-	-	-	-	-	-					
						3.7	1.6	109	16.1	16.1	8.0	8.0	30.7	30.7	116.1	116.1	9.5	9.5	6.6	9	-	-	-	-	-	-	-	-						
					Bottom	6.3	1.4	103	16.1	16.1	8.0	8.0	30.7	30.7	116.5	116.5	9.5	9.5	10.9	9	-	-	-	-	-	-	-	-	-					
						6.3	1.6	108	16.1	16.1	8.0	8.0	30.7	30.7	116.4	116.4	9.5	9.5	10.8	10	-	-	-	-	-	-	-	-						
IM6	Sunny	Moderate	11:39	7.2	Surface	1.0	1.8	108	16.0	16.0	8.1	8.1	30.6	30.6	118.6	118.6	9.7	9.7	4.4	6	-	-	-	-	-	-	-	-						
						1.0	2.0	117	16.0	16.0	8.1	8.1	30.6	30.6	118.5	118.5	9.7	9.7	4.3	7	-	-	-	-	-	-	-							
					Middle	3.6	2.1	108	16.0	16.0	8.0	8.0	30.6	30.6	118.4	118.4																		

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

Water Quality Monitoring Results on 19 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	17:03	8.2	Surface	1.0	0.0	219	15.9	15.9	8.2	8.2	31.5	31.5	117.9			117.9	9.6	9.6	8.6	6	-
					Surface	1.0	0.0	232	15.9		8.2	8.2	31.5		117.9		9.6	8.7	7	-	-	-	-			-	-	-	-		
					Middle	4.1	0.0	200	15.9	15.9	8.2	8.2	32.1	32.1	117.7	117.7	9.6	9.6	2.9	7	-	-	-	-			-	-	-	-	
					Middle	4.1	0.0	217	15.9		8.2	8.2	32.1		117.7		9.6	2.9	6	-	-	-	-			-	-	-	-		
					Bottom	7.2	0.0	237	15.9	15.9	8.2	8.2	31.6	31.6	116.4	116.3	9.5	9.5	3.3	7	-	-	-	-			-	-	-	-	
					Bottom	7.2	0.0	257	15.9		8.2	8.2	31.6		116.2		9.5	3.3	8	-	-	-	-			-	-	-	-		
C2	Cloudy	Moderate	16:04	12.2	Surface	1.0	0.1	27	16.2	16.2	8.2	8.2	31.4	31.4	125.0	124.9	10.2	10.2	0.9	8	-	-	825688	806959	-	-	-	-			
					Surface	1.0	0.1	28	16.2		8.2	8.2	31.4		124.7		10.1	1.0	8	-	-	-	-			-	-	-	-		
					Middle	6.1	0.1	65	16.1	16.1	8.2	8.2	31.8	31.8	120.9	120.7	9.8	9.8	1.5	8	-	-	-	-			-	-	-	-	
					Middle	6.1	0.1	67	16.1		8.2	8.2	31.8		120.5		9.8	1.4	7	-	-	-	-			-	-	-	-		
					Bottom	11.2	0.2	72	16.1	16.1	8.2	8.2	32.0	32.0	118.8	118.8	9.6	9.6	3.6	7	-	-	-	-			-	-	-	-	
					Bottom	11.2	0.2	73	16.1		8.2	8.2	32.0		118.8		9.6	3.7	8	-	-	-	-			-	-	-	-		
C3	Cloudy	Moderate	18:07	12.2	Surface	1.0	0.3	55	16.3	16.3	8.2	8.2	32.2	32.2	114.9	114.8	9.3	9.3	2.1	5	-	-	822092	817810	-	-	-	-			
					Surface	1.0	0.3	55	16.3		8.2	8.2	32.2		114.7		9.3	2.2	4	-	-	-	-			-	-	-	-		
					Middle	6.1	0.3	68	16.2	16.2	8.1	8.1	32.3	32.3	107.2	107.2	8.7	8.7	4.7	6	-	-	-	-			-	-	-	-	
					Middle	6.1	0.3	68	16.2		8.1	8.1	32.3		107.2		8.7	4.8	5	-	-	-	-			-	-	-	-		
					Bottom	11.2	0.2	72	16.3	16.3	8.1	8.1	32.5	32.5	106.7	106.6	8.6	8.6	5.2	6	-	-	-	-			-	-	-	-	
					Bottom	11.2	0.2	78	16.3		8.1	8.1	32.5		106.5		8.6	5.3	6	-	-	-	-			-	-	-	-		
IM1	Cloudy	Moderate	16:42	5.0	Surface	1.0	0.1	188	15.9	15.9	8.2	8.2	31.5	31.5	122.8	122.7	10.0	10.0	1.9	6	-	-	817937	807121	-	-	-	-			
					Surface	1.0	0.1	188	15.9		8.2	8.2	31.5		122.6		10.0	1.9	5	-	-	-	-			-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
					Middle	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
					Bottom	4.0	0.1	186	15.9	15.9	8.2	8.2	31.5	31.5	122.4	120.1	10.0	9.8	2.0	6	-	-	-	-			-	-	-	-	
					Bottom	4.0	0.1	186	15.9		8.2	8.2	31.4		117.8		9.8	2.1	6	-	-	-	-			-	-	-	-		
IM2	Cloudy	Moderate	16:35	7.0	Surface	1.0	0.0	101	15.8	15.8	8.2	8.2	31.6	31.6	120.0	120.0	9.8	9.8	2.9	6	-	-	818165	806148	-	-	-	-			
					Surface	1.0	0.0	101	15.8		8.2	8.2	31.6		119.9		9.8	2.9	6	-	-	-	-			-	-	-	-		
					Middle	3.5	0.0	337	15.8	15.8	8.2	8.2	31.5	31.5	119.4	119.4	9.8	9.8	2.7	7	-	-	-	-			-	-	-	-	
					Middle	3.5	0.0	310	15.8		8.2	8.2	31.5		119.3		9.8	2.7	7	-	-	-	-			-	-	-	-		
					Bottom	6.0	0.0	183	15.9	15.9	8.2	8.2	31.4	31.4	118.2	118.1	9.7	9.7	3.0	7	-	-	-	-			-	-	-	-	
					Bottom	6.0	0.0	184	15.9		8.2	8.2	31.4		117.9		9.6	3.0	8	-	-	-	-			-	-	-	-		
IM3	Cloudy	Moderate	16:28	7.2	Surface	1.0	0.1	37	15.8	15.8	8.2	8.2	31.4	31.4	120.8	120.8	9.9	9.9	2.2	6	-	-	818781	805607	-	-	-	-			
					Surface	1.0	0.1	39	15.8		8.2	8.2	31.4		120.8		9.9	2.2	7	-	-	-	-			-	-	-	-		
					Middle	3.6	0.1	44	15.9	15.9	8.2	8.2	31.5	31.5	118.9	118.9	9.7	9.7	4.3	8	-	-	-	-			-	-	-	-	
					Middle	3.6	0.1	48	15.9		8.2	8.2	31.5		118.8		9.7	4.5	9	-	-	-	-			-	-	-	-		
					Bottom	6.2	0.1	12	15.9	16.0	8.2	8.2	31.5	31.5	117.9	117.9	9.6	9.6	5.3	9	-	-	-	-			-	-	-	-	
					Bottom	6.2	0.1	12	16.0		8.2	8.2	31.5		117.8		9.6	5.5	8	-	-	-	-			-	-	-	-		
IM4	Cloudy	Moderate	16:19	8.4	Surface	1.0	0.1	351	15.9	15.9	8.2	8.2	31.5	31.5	120.0	120.0	9.8	9.8	4.3	6	-	-	819725	804625	-	-	-	-			
					Surface	1.0	0.1	323	15.9		8.2	8.2	31.5		120.0		9.8	4.4	5	-	-	-	-			-	-	-	-		
					Middle	4.2	0.1	332	15.8	15.8	8.2	8.2	31.1	31.1	118.4	118.4	9.7	9.7	2.4	6	-	-	-	-			-	-	-	-	
					Middle	4.2	0.1	346	15.8		8.2	8.2	31.1		118.3		9.7	2.5	7	-	-	-	-			-	-	-	-		
					Bottom	7.4	0.0	336	15.8	15.9	8.2	8.2	30.9	30.9	117.3	117.2	9.6	9.6	5.2	6	-	-	-	-			-	-	-	-	
					Bottom	7.4	0.0	344	15.9		8.2	8.2	30.9		117.1		9.6	5.1	7	-	-	-	-			-	-	-	-		
IM5	Cloudy	Moderate	16:11	7.7	Surface	1.0	0.1	358	15.9	15.9	8.2	8.2	30.7	30.7	121.0	121.1	10.0	10.0	2.5	6	-	-	820741	804852	-	-	-	-			
					Surface	1.0	0.1	329	15.9		8.2	8.2	30.7		121.0		9.9	2.5	7	-	-	-	-			-	-	-	-		
					Middle	3.9	0.1	343	15.9	15.9	8.2	8.2	30.7	30.7	120.8	119.7	9.9	9.9	2.2	6	-	-	-	-			-	-	-	-	
					Middle	3.9	0.1	316	15.9		8.2	8.2	30.8		118.6		9.7	2.1	7	-	-	-	-			-	-	-	-		
					Bottom	6.7	0.1	9	15.9	15.9	8.2	8.2	30.8	30.9	118.4	117.4	9.7	9.7	2.1	7	-	-	-	-			-	-	-	-	
					Bottom	6.7	0.2	9	15.9		8.2	8.2	30.9		116.4		9.5	2.2	7	-	-	-	-			-	-	-	-		
IM6	Cloudy	Moderate	16:07	7.6	Surface	1.0	0.1	219	16.1	16.1	8.2	8.2	30.5	30.5	125.5	125.4	10.3	10.3	2.1	6	-	-	821072	805843	-	-	-	-			
					Surface	1.0	0.1	230	16.1		8.2	8.2	30.5		125.3		10.3	2.1	6	-	-	-	-			-	-	-	-		
					Middle	3.8	0.0	253	16.1	16.1	8.2	8.2	30.6	30.6	123.1	123.0	10.1	10.1	2.4	6	-	-	-	-			-	-	-	-	
					Middle	3.8	0.0	255	16.1		8.2	8.2	30.6		122.9		10.1	2.4	6	-	-	-	-			-					

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

Water Quality Monitoring Results on 19 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Cloudy	Moderate	16:33	7.6	Surface	1.0	0.2	81	16.1	16.1	8.2	8.2	31.4	31.4	123.9	123.8	10.1	10.1	1.1	1.1	9	-	-	-	-	-	-	-	-	-			
						1.0	0.3	81	16.1	16.1	8.2	8.2	31.4	31.4	123.6	123.6	10.1	10.1	1.1	1.1	10	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.8	0.2	71	16.1	16.1	8.2	8.2	31.4	31.4	120.6	120.4	9.8	9.8	3.0	3.0	8	-	-	-	-	-	-	-	-	-	-	-	-
						3.8	0.3	75	16.1	16.1	8.2	8.2	31.4	31.4	120.1	120.1	9.8	9.8	3.1	3.1	7	-	-	-	-	-	-	-	-	-	-	-	-
						6.6	0.2	86	16.0	16.0	8.2	8.2	32.0	32.0	115.1	114.9	9.4	9.4	4.1	4.1	7	-	-	-	-	-	-	-	-	-	-	-	-
						6.6	0.2	87	16.0	16.0	8.2	8.2	32.0	32.0	114.6	114.6	9.3	9.3	4.2	4.2	8	-	-	-	-	-	-	-	-	-	-	-	-
IM10	Cloudy	Moderate	16:47	8.6	Surface	1.0	0.3	88	16.0	16.0	8.2	8.2	31.5	31.5	119.8	119.7	9.8	9.8	1.3	1.3	8	-	-	-	-	-	-	-	-	-			
						1.0	0.3	88	16.0	16.0	8.2	8.2	31.5	31.5	119.6	119.6	9.8	9.8	1.3	1.3	7	-	-	-	-	-	-	-	-	-	-		
					Middle	4.3	0.2	94	15.9	15.9	8.2	8.2	31.6	31.6	116.2	116.2	9.5	9.5	2.5	2.5	8	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.2	97	15.9	15.9	8.2	8.2	31.6	31.6	116.2	116.2	9.5	9.5	2.5	2.5	7	-	-	-	-	-	-	-	-	-	-	-	-
						7.6	0.2	88	15.9	15.9	8.2	8.2	31.7	31.7	112.9	112.8	9.2	9.2	3.5	3.5	8	-	-	-	-	-	-	-	-	-	-	-	
						7.6	0.2	94	15.9	15.9	8.2	8.2	31.7	31.7	112.7	112.7	9.2	9.2	3.6	3.6	9	-	-	-	-	-	-	-	-	-	-	-	
IM11	Cloudy	Moderate	16:57	8.8	Surface	1.0	0.2	114	16.2	16.2	8.2	8.2	31.9	31.9	120.2	119.9	9.7	9.7	1.7	1.7	7	-	-	-	-	-	-	-	-	-			
						1.0	0.2	123	16.2	16.2	8.2	8.2	31.5	31.5	119.6	119.6	9.7	9.7	1.7	1.7	7	-	-	-	-	-	-	-	-	-			
					Middle	4.4	0.2	121	16.1	16.1	8.2	8.2	31.9	31.9	117.8	117.8	9.6	9.6	3.9	3.9	6	-	-	-	-	-	-	-	-	-	-	-	
						4.4	0.2	126	16.1	16.1	8.2	8.2	31.9	31.9	117.7	117.7	9.6	9.6	3.9	3.9	5	-	-	-	-	-	-	-	-	-	-	-	
						7.8	0.1	144	16.0	16.0	8.2	8.2	32.0	32.0	114.4	114.4	9.3	9.3	4.6	4.6	5	-	-	-	-	-	-	-	-	-	-		
						7.8	0.1	153	16.0	16.0	8.2	8.2	32.0	32.0	114.3	114.3	9.3	9.3	4.6	4.6	5	-	-	-	-	-	-	-	-	-	-		
IM12	Cloudy	Moderate	17:02	9.4	Surface	1.0	0.1	143	16.2	16.2	8.2	8.2	31.9	31.9	120.1	119.8	9.7	9.7	1.7	1.7	5	-	-	-	-	-	-	-	-	-			
						1.0	0.2	151	16.2	16.2	8.2	8.2	31.9	31.9	119.5	119.5	9.7	9.7	1.7	1.7	6	-	-	-	-	-	-	-	-	-			
					Middle	4.7	0.1	146	16.1	16.1	8.2	8.2	31.9	31.9	117.2	117.2	9.5	9.5	3.6	3.6	6	-	-	-	-	-	-	-	-	-	-		
						4.7	0.1	158	16.1	16.1	8.2	8.2	32.0	32.0	117.2	117.2	9.5	9.5	3.7	3.7	6	-	-	-	-	-	-	-	-	-	-		
						8.4	0.1	135	16.1	16.1	8.2	8.2	32.0	32.0	113.6	113.5	9.2	9.2	4.6	4.6	6	-	-	-	-	-	-	-	-	-			
						8.4	0.1	141	16.1	16.1	8.2	8.2	32.0	32.0	113.4	113.4	9.2	9.2	4.7	4.7	6	-	-	-	-	-	-	-	-	-			
SR1A	Cloudy	Calm	17:35	4.5	Surface	1.0	-	-	16.1	16.1	8.2	8.2	31.9	31.9	121.6	121.4	9.9	9.8	3.5	3.6	7	-	-	-	-	-	-	-	-				
						1.0	-	-	16.1	16.1	8.2	8.2	31.9	31.9	121.2	121.2	9.8	9.8	3.6	3.6	8	-	-	-	-	-	-	-	-				
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.5	-	-	16.1	16.1	8.2	8.2	31.9	31.9	119.1	119.0	9.7	9.7	4.4	4.4	5	-	-	-	-	-	-	-	-	-			
						3.5	-	-	16.1	16.1	8.2	8.2	31.9	31.9	118.8	118.8	9.6	9.6	4.4	4.4	5	-	-	-	-	-	-	-	-	-			
SR2	Cloudy	Calm	17:48	5.0	Surface	1.0	0.2	34	16.1	16.1	8.2	8.2	31.9	31.9	118.6	118.6	9.6	9.6	5.5	5.5	6	-	-	-	-	-	-	-					
						1.0	0.2	36	16.1	16.1	8.2	8.2	31.9	31.9	118.5	118.5	9.6	9.6	5.5	5.5	5	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.0	0.2	38	16.1	16.1	8.2	8.2	31.9	31.9	114.3	114.3	9.3	9.3	5.6	5.6	6	-	-	-	-	-	-	-	-				
						4.0	0.2	39	16.1	16.1	8.2	8.2	31.9	31.9	114.3	114.3	9.3	9.3	5.6	5.6	6	-	-	-	-	-	-	-	-				
SR3	Cloudy	Moderate	16:23	9.2	Surface	1.0	0.2	179	16.1	16.1	8.2	8.2	31.2	31.2	122.3	122.2	10.0	10.0	1.2	1.3	8	-	-	-	-	-	-	-					
						1.0	0.2	188	16.1	16.1	8.2	8.2	31.2	31.2	122.1	122.1	10.0	10.0	1.3	1.3	7	-	-	-	-	-	-	-					
					Middle	4.6	0.2	180	15.9	15.9	8.2	8.2	31.4	31.4	120.5	120.4	9.8	9.8	2.0	2.0	5	-	-	-	-	-	-	-	-				
						4.6	0.2	188	15.9	15.9	8.2	8.2	31.4	31.4	120.3	120.3	9.8	9.8	2.0	2.0	6	-	-	-	-	-	-	-	-				
						8.2	0.2	127	16.0	16.0	8.2	8.2	31.9	31.9	117.6	117.4	9.6	9.6	2.2	2.2	6	-	-	-	-	-	-	-					
						8.2	0.2	136	16.0	16.0	8.2	8.2	31.9	31.9	117.2	117.2	9.5	9.5	2.3	2.3	6	-	-	-	-	-	-	-					
SR4A	Cloudy	Moderate	17:26	8.6	Surface	1.0	0.2	67	15.8	15.8	8.2	8.2	31.7	31.7	121.0	121.0	9.9	9.9	4.7	4.7	7	-	-	-	-	-	-						
						1.0	0.2	67	15.8	15.8	8.2	8.2	31.7	31.7	120.9	120.9	9.9	9.9	5.1	5.1	6	-	-	-	-	-	-						
					Middle	4.3	0.2	70	15.8	15.8	8.2	8.2	31.7	31.7	119.5	119.4	9.8	9.8	5.9	5.8	8	-	-	-	-	-	-	-					
						4.3	0.2	74	15.8	15.8	8.2	8.2	31.7	31.7	119.3	119.3	9.8	9.8	5.8	5.8	7	-	-	-	-	-	-	-					
						7.6	0.1	72	15.8	15.8	8.2	8.2	31.7	31.7	117.5	117.4	9.6	9.6	3.5	3.5	8	-	-	-	-	-	-						
						7.6	0.2	73	15.8	15.8	8.2	8.2	31.6	31.7	117.2	117.2	9.6	9.6	3.7	3.7	7	-	-	-	-	-	-						
SR5A	Cloudy	Moderate	17:42	3.2	Surface	1.0	0.1	270	16.0	16.0	8.2	8.2	31.3	31.3	123.7	123.8	10.1	10.1	2.4	2.4	5	-	-	-	-	-	-						
						1.0	0.1	280	16.0	16.0	8.2	8.2	31.3	31.3	123.9	123.9	10.1	10.1	2.4	2.4	6	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.2	0.2	315	16.0	16.0	8.2	8.2	31.3	31.3	123.9	123.9	10.1	10.1	1.8	1.8	4	-	-	-	-	-	-						
						2.2	0.2	342	16.0	16.0	8.2	8.2	31.3	31.3	123.8	123.8	10.1	10.1	1.8	1.8	5	-	-	-	-	-	-						
SR6A	Cloudy	Moderate	18:																														

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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
C1	Cloudy	Moderate	12:10	8.0	Surface	1.0	0.4	35	16.8	16.8	8.1	8.1	31.5	31.5	117.3	117.4	9.4	9.4	3.6	3.5	9	9	-	-	-	-	-	-	-	-						
						1.0	0.4	37	16.8	8.1	8.1	31.6	31.5	117.4	117.4	9.4	9.4	3.5	3.5	9	9	-	-	-	-	-	-	-	-	-	-	-				
					Middle	4.0	0.4	34	15.8	15.8	8.1	8.1	31.7	31.7	114.6	114.6	9.4	9.4	3.9	3.8	14	14	10	10	-	-	-	-	-	-	-	-	-			
						4.0	0.4	36	15.8	15.8	8.1	8.1	31.7	31.7	114.6	114.6	9.4	9.4	3.8	3.8	14	14	10	10	-	-	-	-	-	-	-	-	-	-		
					Bottom	7.0	0.4	35	17.2	17.2	8.1	8.1	31.4	31.4	115.1	115.0	9.2	9.2	2.7	2.7	8	8	7	7	-	-	-	-	-	-	-	-	-	-		
						7.0	0.5	36	17.2	17.2	8.1	8.1	31.4	31.4	114.8	114.8	9.2	9.2	2.5	2.5	8	8	7	7	-	-	-	-	-	-	-	-	-	-	-	
C2	Sunny	Moderate	12:42	12.0	Surface	1.0	0.2	352	16.0	16.0	8.2	8.2	30.9	30.9	119.5	119.5	9.8	9.8	0.9	1.0	7	6	-	-	-	-	-	-	-	-	-					
						1.0	0.3	324	16.0	16.0	8.2	8.2	30.9	30.9	119.3	119.3	9.8	9.8	1.0	1.0	6	6	7	7	-	-	-	-	-	-	-	-	-			
					Middle	6.0	0.3	358	15.8	15.8	8.2	8.2	31.1	31.1	115.0	114.8	9.4	9.4	1.9	2.0	7	7	7	7	-	-	-	-	-	-	-	-	-	-	-	
						6.0	0.3	329	15.8	15.8	8.2	8.2	31.1	31.1	114.6	114.6	9.4	9.4	2.0	2.0	7	7	7	7	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	11.0	0.3	347	15.8	15.8	8.2	8.2	31.3	31.3	113.4	113.4	9.3	9.3	3.2	3.1	7	7	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						11.0	0.3	319	15.8	15.8	8.2	8.2	31.3	31.3	113.3	113.3	9.3	9.3	3.1	3.1	7	7	7	7	-	-	-	-	-	-	-	-	-	-	-	-
C3	Sunny	Moderate	10:48	12.0	Surface	1.0	0.5	269	16.1	16.1	8.2	8.2	32.0	32.0	111.4	111.2	9.0	8.9	0.6	0.6	5	4	-	-	-	-	-	-	-	-	-	-				
						1.0	0.5	269	16.1	16.1	8.2	8.2	32.0	32.0	111.0	111.0	9.0	8.9	0.6	0.6	4	4	4	4	-	-	-	-	-	-	-	-	-	-		
					Middle	6.0	0.5	270	16.0	16.0	8.1	8.1	32.1	32.1	108.5	108.5	8.8	8.8	1.8	1.8	5	5	4	4	-	-	-	-	-	-	-	-	-	-	-	
						6.0	0.5	288	16.0	16.0	8.1	8.1	32.1	32.1	108.5	108.5	8.8	8.8	1.8	1.8	5	5	4	4	4	4	-	-	-	-	-	-	-	-	-	-
					Bottom	11.0	0.4	269	16.0	16.0	8.1	8.1	32.1	32.1	107.8	107.8	8.8	8.8	2.8	2.8	4	4	4	4	4	4	-	-	-	-	-	-	-	-	-	-
						11.0	0.5	293	16.0	16.0	8.1	8.1	32.1	32.1	107.7	107.7	8.7	8.7	2.8	2.8	4	4	4	4	4	4	-	-	-	-	-	-	-	-	-	-
IM1	Cloudy	Moderate	12:31	4.9	Surface	1.0	0.1	331	16.1	16.1	8.1	8.1	31.5	31.5	116.8	116.7	9.5	9.5	4.3	4.4	6	7	-	-	-	-	-	-	-	-	-	-				
						1.0	0.1	349	16.1	16.1	8.1	8.1	31.5	31.5	116.6	116.6	9.5	9.5	4.4	4.4	7	7	8	8	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.9	0.1	5	15.8	15.8	8.1	8.1	31.8	31.9	115.9	115.9	9.5	9.5	3.7	3.5	9	9	9	9	8	8	-	-	-	-	-	-	-	-	-	
						3.9	0.1	5	15.7	15.8	8.1	8.1	31.9	31.9	115.8	115.8	9.5	9.5	3.5	3.5	9	9	9	9	8	8	-	-	-	-	-	-	-	-	-	
IM2	Cloudy	Moderate	12:38	6.9	Surface	1.0	0.3	354	16.0	16.0	8.2	8.2	31.4	31.4	118.7	118.7	9.7	9.7	2.6	2.6	5	4	-	-	-	-	-	-	-	-	-	-				
						1.0	0.3	326	16.0	16.0	8.2	8.2	31.4	31.4	118.7	118.7	9.7	9.7	2.6	2.6	4	4	7	7	-	-	-	-	-	-	-	-	-			
					Middle	3.5	0.2	349	16.0	16.0	8.1	8.1	31.2	31.2	117.6	117.6	9.6	9.6	2.7	2.7	8	8	7	7	-	-	-	-	-	-	-	-	-	-		
						3.5	0.2	321	16.0	16.0	8.1	8.1	31.2	31.2	117.5	117.5	9.6	9.6	2.7	2.7	8	8	7	7	7	7	-	-	-	-	-	-	-	-		
					Bottom	5.9	0.2	341	16.1	16.1	8.1	8.1	31.5	31.5	116.6	116.5	9.5	9.5	3.0	3.0	8	8	7	7	7	7	-	-	-	-	-	-	-	-	-	
						5.9	0.2	341	16.1	16.1	8.1	8.1	31.5	31.5	116.4	116.5	9.5	9.5	3.0	3.0	7	7	7	7	7	7	-	-	-	-	-	-	-	-	-	
IM3	Cloudy	Moderate	12:45	7.2	Surface	1.0	0.3	347	16.0	16.0	8.2	8.2	31.2	31.2	119.1	119.1	9.7	9.7	2.2	2.2	5	5	-	-	-	-	-	-	-	-	-					
						1.0	0.3	319	16.0	16.0	8.2	8.2	31.2	31.2	119.1	119.1	9.7	9.7	2.2	2.2	5	5	7	7	-	-	-	-	-	-	-	-				
					Middle	3.6	0.3	336	16.0	16.0	8.1	8.1	31.2	31.2	117.1	117.1	9.6	9.6	2.3	2.3	8	8	7	7	-	-	-	-	-	-	-	-	-	-		
						3.6	0.3	348	16.0	16.0	8.1	8.1	31.2	31.2	117.0	117.0	9.6	9.6	2.3	2.3	7	7	7	7	7	7	-	-	-	-	-	-	-			
					Bottom	6.2	0.2	344	16.0	16.0	8.1	8.1	31.1	31.1	116.3	116.3	9.5	9.5	2.2	2.2	7	7	7	7	7	7	-	-	-	-	-	-	-	-		
						6.2	0.2	344	16.0	16.0	8.1	8.1	31.2	31.1	116.3	116.3	9.5	9.5	2.2	2.2	8	8	7	7	7	7	-	-	-	-	-	-	-	-		
IM4	Cloudy	Moderate	12:55	8.2	Surface	1.0	0.4	356	15.8	15.8	8.2	8.2	30.9	30.9	119.2	119.2	9.8	9.8	2.5	2.6	7	8	-	-	-	-	-	-	-	-	-					
						1.0	0.4	328	15.8	15.8	8.2	8.2	30.9	30.9	119.2	119.2	9.8	9.8	2.6	2.6	8	8	6	6	-	-	-	-	-	-	-	-				
					Middle	4.1	0.3	353	15.8	15.8	8.2	8.2	30.9	30.9	118.5	118.5	9.7	9.7	4.5	4.5	7	7	6	6	-	-	-	-	-	-	-	-	-			
						4.1	0.3	325	15.8	15.8	8.2	8.2	30.9	30.9	118.4	118.4	9.7	9.7	4.5	4.5	8	8	6	6	6	6	-	-	-	-	-	-	-			
					Bottom	7.2	0.3	357	15.8	15.8	8.1	8.1	30.9	30.9	117.4	117.4	9.6	9.6	2.4	2.4	4	4	4	4	4	4	-	-	-	-	-	-	-	-		
						7.2	0.3	328	15.8	15.8	8.1	8.1	30.9	30.9	117.3	117.3	9.6	9.6	2.4	2.4	4	4	4	4	4	4	-	-	-	-	-	-	-			
IM5	Cloudy	Moderate	13:02	7.6	Surface	1.0	0.6	6	15.8	15.8	8.2	8.2	31.0	31.0	119.7	119.7	9.8	9.8	2.8	2.8	8	8	-	-	-	-	-	-	-	-	-					
						1.0	0.7	6	15.8	15.8	8.2	8.2	31.0	31.0	119.7	119.7	9.8	9.8	2.8	2.8	8	8	7	7	-	-	-	-	-	-	-					
					Middle	3.8	0.6	1	15.8	15.9	8.2	8.2	31.0	31.0	119.6	119.5	9.8	9.8	2.8	2.8	6	6	7	7	-	-	-	-	-	-	-	-				
						3.8	0.7	1	16.0	15.9	8.2	8.2	31.0	31.0	119.3	119.3	9.8	9.8	2.8	2.8	7	7	7	7	7	7	-	-	-	-	-	-				
					Bottom	6.6	0.5	12	15.9	15.8	8.1	8.1	31.0	31.0	119.2	118.6	9.8	9.8	2.8	2.8	6	6	6	6	6	6	-	-	-	-	-	-				

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

Water Quality Monitoring Results on 21 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	05:31	7.8	Surface	1.0	0.4	231	16.2	16.2	8.3	8.3	32.5	32.5	113.0			113.0	9.1	9.1	1.6	1.6	6	6	-	-
1.0	0.4	238	16.2	8.3	8.3	32.5	32.5							112.9	112.9	9.1	9.1	1.6	1.6	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
3.9	0.1	222	16.2	8.3	8.3	32.5	32.5							110.8	110.8	8.9	8.9	1.7	1.7	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
Middle	3.9	0.2	222	16.2	8.3	8.3	32.5						32.5	110.8	110.8	8.9	8.9	1.8	1.8	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
	6.8	0.1	215	16.3	8.3	8.3	32.5						32.5	111.2	111.2	9.0	9.0	2.0	2.0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
	6.8	0.1	220	16.3	8.3	8.3	32.5						32.5	111.1	111.1	9.0	9.0	2.0	2.0	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
Bottom	1.0	0.3	161	16.2	16.2	8.2	8.2						30.6	30.6	121.5	121.5	9.9	9.9	2.6	2.6	2	2	-	-	-	-	-	-	-	-	-	-	-	
	1.0	0.4	167	16.2	16.2	8.2	8.2						30.6	30.6	121.7	121.7	9.9	9.9	2.5	2.5	3	3	-	-	-	-	-	-	-	-	-	-	-	
	5.7	0.2	172	16.2	16.2	8.2	8.2						31.8	31.8	119.6	119.6	9.7	9.7	3.0	3.0	4	4	-	-	-	-	-	-	-	-	-	-	-	
C2	Cloudy	Moderate	07:15	11.4	Surface	5.7	0.2	185	16.2	16.2	8.2	8.2	31.8	31.8	119.3	119.3	9.7	9.7	3.0	3.0	3	3	-	-	-	-	-	-	-	-	-			
						5.7	0.2	185	16.2	8.2	8.2	31.8	31.8	119.3	119.3	9.7	9.7	3.0	3.0	3	3	-	-	-	-	-	-	-	-	-	-	-		
						10.4	0.1	154	16.2	16.2	8.2	8.2	32.2	32.2	120.4	120.4	9.7	9.7	3.4	3.4	3	3	-	-	-	-	-	-	-	-	-	-	-	
Middle					10.4	0.2	162	16.2	16.2	8.2	8.2	32.2	32.2	120.4	120.4	9.7	9.7	3.4	3.4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.2	82	16.3	16.3	8.2	8.1	32.0	32.0	111.6	111.6	9.0	9.0	2.8	2.8	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.2	85	16.3	16.3	8.1	8.1	32.0	32.0	111.5	111.5	9.0	9.0	2.9	2.9	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
Bottom					5.9	0.1	89	16.3	16.3	8.1	8.1	32.2	32.2	109.9	109.9	8.9	8.9	3.6	3.6	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
					5.9	0.1	94	16.3	16.3	8.1	8.1	32.2	32.2	109.9	109.9	8.9	8.9	3.7	3.7	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
					10.8	0.1	115	16.3	16.3	8.1	8.1	32.2	32.2	109.4	109.4	8.8	8.8	4.3	4.3	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
C3	Cloudy	Moderate	05:12	11.8	Surface	10.8	0.1	126	16.3	16.3	8.1	8.1	32.2	32.2	109.4	109.4	8.8	8.8	4.5	4.5	3	3	-	-	-	-	-	-	-	-	-			
						10.8	0.1	126	16.3	16.3	8.1	8.1	32.2	32.2	109.4	109.4	8.8	8.8	4.5	4.5	3	3	-	-	-	-	-	-	-	-	-	-	-	
						1.0	0.1	188	16.2	16.2	8.3	8.3	32.4	32.4	115.5	115.5	9.3	9.3	1.6	1.6	3	3	-	-	-	-	-	-	-	-	-	-	-	
Middle					1.0	0.1	188	16.2	16.2	8.3	8.3	32.4	32.4	115.4	115.4	9.3	9.3	1.6	1.6	2	2	-	-	-	-	-	-	-	-	-	-	-	-	
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.8	0.1	210	16.2	16.2	8.3	8.3	32.4	32.4	113.8	113.8	9.2	9.2	1.5	1.5	4	4	-	-	-	-	-	-	-	-	-	-	-		
Bottom					4.8	0.1	215	16.2	16.2	8.4	8.3	32.4	32.4	113.7	113.7	9.2	9.2	1.5	1.5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.1	212	16.4	16.4	8.3	8.3	32.1	32.1	113.4	113.4	9.1	9.1	1.8	1.8	5	5	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	0.1	213	16.4	16.4	8.3	8.3	32.1	32.1	113.4	113.4	9.2	9.2	1.8	1.8	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
IM1	Cloudy	Moderate	05:53	5.8	Surface	3.3	0.2	165	16.1	16.1	8.3	8.3	32.1	32.1	116.5	116.5	9.4	9.4	2.3	2.3	4	4	-	-	-	-	-	-	-	-	-			
						3.3	0.2	171	16.1	16.1	8.3	8.3	32.1	32.1	116.4	116.4	9.4	9.4	2.3	2.3	5	5	-	-	-	-	-	-	-	-	-	-	-	
						5.6	0.1	170	16.1	16.1	8.3	8.3	32.1	32.1	114.2	114.2	9.3	9.3	3.3	3.3	6	6	-	-	-	-	-	-	-	-	-	-	-	
Middle					5.6	0.1	179	16.1	16.1	8.3	8.3	32.1	32.1	114.2	114.2	9.3	9.3	3.3	3.3	6	6	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	1.2	324	16.3	16.3	8.3	8.3	32.1	32.1	113.3	113.3	9.1	9.1	1.5	1.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
					1.0	1.3	339	16.3	16.3	8.3	8.3	32.1	32.1	113.3	113.3	9.1	9.1	1.5	1.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
Bottom					3.3	1.0	317	16.1	16.1	8.3	8.3	32.1	32.1	117.0	117.0	9.5	9.5	2.4	2.4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
					3.3	1.0	327	16.1	16.1	8.3	8.3	32.1	32.1	117.0	117.0	9.5	9.5	2.4	2.4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	
					5.6	1.1	311	16.1	16.1	8.3	8.3	32.1	32.1	113.9	113.9	9.2	9.2	2.9	2.9	3	3	-	-	-	-	-	-	-	-	-	-	-	-	
IM2	Cloudy	Moderate	05:59	6.6	Surface	5.6	1.2	340	16.1	16.1	8.3	8.3	32.1	32.1	113.8	113.8	9.2	9.2	2.8	2.8	3	3	-	-	-	-	-	-	-	-	-			
						5.6	1.2	340	16.1	16.1	8.3	8.3	32.1	32.1	113.8	113.8	9.2	9.2	2.8	2.8	3	3	-	-	-	-	-	-	-	-	-	-	-	
						1.0	0.5	186	16.1	16.1	8.3	8.3	31.6	31.6	118.9	118.9	9.7	9.7	1.4	1.4	4	4	-	-	-	-	-	-	-	-	-	-	-	
Middle					1.0	0.5	203	16.1	16.1	8.3	8.3	31.6	31.6	118.8	118.8	9.7	9.7	1.4	1.4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.2	0.3	174	16.2	16.2	8.3	8.3	31.6	31.6	115.7	115.7	9.4	9.4	1.9	1.9	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.2	0.3	178	16.2	16.2	8.3	8.3	31.6	31.6	115.7	115.7	9.4	9.4	1.9	1.9	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Bottom					7.3	0.2	152	16.1	16.1	8.3	8.3	31.7	31.7	116.2	116.2	9.5	9.5	2.4	2.4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
					7.3	0.2	165	16.1	16.1	8.3	8.3	31.7	31.7	116.1	116.1	9.4	9.4	2.4	2.4	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
					1.0	0.4	198	16.4	16.4	8.3	8.3	31.0	31.0	117.4	117.4	9.5	9.5	1.9	1.9	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
IM3	Cloudy	Moderate	06:06	6.6	Surface	1.0	0.4	206	16.4	16.4	8.3	8.3	31.0	31.0	117.4	117.4	9.5	9.5	1.9	1.9	5	5	-	-	-	-	-	-	-	-	-	-		
						1.0	0.4	206	16.4	16.4	8.3	8.3	31.0	31.0	117.4	117.4	9.5	9.5	1.9	1.9	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						4.6	0.3	200	16.2	16.2	8.3	8.3	31.0	31.0	122.1	122.1	10.0	10.0	2.3	2.3	4	4	-	-	-	-	-	-	-	-	-	-	-	-
Middle					4.6	0.3	217	16.2	16.2	8.3	8.3	31.0	31.0	122.0	122.0	9.9	9.9	2.3	2.3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
					8.2	0.2	216	16.1	16.1	8.4	8.4	31.0	31.0	119.6	119.6	9.8	9.8	2.6	2.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
					8.2	0.3	230	16.1	16.1	8.4	8.4	31.0	31.0	119.5	119.5	9.7	9.7	2.6	2.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Bottom					1.0	0.8	45	16.4	16.4	8.3	8.3	31.2	31.2	115.6	115.6	9.4	9.4	1.8	1.8	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
					1.0	0.8	47	16.4	16.4	8.3	8.3	31.2	31.2	115.7	115.7	9.4	9.4	1.8	1.8	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.6	1.0	23	16.1	16.1	8.3	8.3	31.3	31.3	119.6	119.6	9.7	9.7	2.4	2.4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
IM4	Cloudy	Moderate	06:15	8.3	Surface	3.6	1.0	23	16.1	16.1	8.3	8.3	31.3	31.3	119.6	119.6	9.7	9.7	2.4	2.4	4	4	-	-	-</									

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

Water Quality Monitoring Results on 21 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Cloudy	Moderate	06:54	7.4	Surface	1.0	0.2	143	16.3	16.3	8.2	8.2	30.8	30.8	118.8	118.8	9.7	9.6	2.4	2	-	-	-	-	822111	808800	-	-	-	-			
						1.0	0.2	156	16.3	8.2	8.2	30.8	30.8	118.8	118.8	9.7	9.6	2.5	3	-	-	-	-	-	-	-	-	-	-	-	-		
						3.7	0.2	124	16.3	8.2	8.2	31.1	31.0	115.3	115.3	9.4	9.4	2.8	3	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.7	0.2	131	16.3	8.2	8.2	31.0	31.0	115.2	115.2	9.4	9.4	2.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.2	98	16.3	8.2	8.2	31.4	31.4	109.7	109.5	8.9	8.9	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.2	103	16.3	8.2	8.2	31.4	31.4	109.3	109.3	8.9	8.9	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	6.4	0.2	103	16.3	8.2	8.2	31.4	31.4	109.3	109.3	8.9	8.9	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.2	103	16.3	8.2	8.2	31.4	31.4	109.3	109.3	8.9	8.9	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.2	103	16.3	8.2	8.2	31.4	31.4	109.3	109.3	8.9	8.9	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM10	Cloudy	Moderate	06:47	7.8	Surface	1.0	0.3	153	16.3	16.3	8.2	8.2	31.3	31.3	120.0	120.0	9.7	9.6	2.6	3	-	-	-	-	822401	809805	-	-	-	-			
						1.0	0.3	165	16.3	8.2	8.2	31.3	31.3	119.9	119.9	9.7	9.6	2.6	3	-	-	-	-	-	-	-	-	-	-	-			
						3.9	0.3	128	16.3	8.2	8.2	31.3	31.3	116.5	116.5	9.5	9.5	2.6	3	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.9	0.3	134	16.3	8.2	8.2	31.3	31.3	116.4	116.4	9.5	9.5	2.6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.8	0.2	136	16.2	8.2	8.2	31.6	31.6	111.4	111.4	9.0	9.0	2.9	5	-	-	-	-	-	-	-	-	-	-	-	-		
						6.8	0.2	144	16.2	8.2	8.2	31.6	31.6	111.3	111.3	9.0	9.0	2.9	4	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	6.8	0.2	136	16.2	8.2	8.2	31.6	31.6	111.4	111.4	9.0	9.0	2.9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.8	0.2	144	16.2	8.2	8.2	31.6	31.6	111.3	111.3	9.0	9.0	2.9	4	-	-	-	-	-	-	-	-	-	-	-	-		
						6.8	0.2	144	16.2	8.2	8.2	31.6	31.6	111.3	111.3	9.0	9.0	2.9	4	-	-	-	-	-	-	-	-	-	-	-			
IM11	Cloudy	Moderate	06:37	8.2	Surface	1.0	0.2	98	16.3	16.3	8.2	8.2	31.3	31.3	118.3	118.4	9.6	9.5	2.9	3	-	-	-	-	822076	811450	-	-	-	-			
						1.0	0.2	99	16.3	8.2	8.2	31.3	31.3	118.4	118.4	9.6	9.5	2.9	4	-	-	-	-	-	-	-	-	-					
						4.1	0.2	100	16.2	8.2	8.2	31.5	31.5	115.9	116.0	9.4	9.4	3.3	3	-	-	-	-	-	-	-	-	-					
					Middle	4.1	0.2	105	16.2	8.2	8.2	31.5	31.5	116.0	116.0	9.4	9.4	3.4	4	-	-	-	-	-	-	-	-	-	-	-			
						7.2	0.2	87	16.2	8.2	8.2	31.6	31.6	112.4	112.4	9.1	9.1	4.8	3	-	-	-	-	-	-	-	-	-	-				
						7.2	0.2	87	16.2	8.2	8.2	31.6	31.6	112.3	112.3	9.1	9.1	4.9	4	-	-	-	-	-	-	-	-	-					
					Bottom	7.2	0.2	87	16.2	8.2	8.2	31.6	31.6	112.4	112.4	9.1	9.1	4.8	3	-	-	-	-	-	-	-	-	-	-				
						7.2	0.2	87	16.2	8.2	8.2	31.6	31.6	112.3	112.3	9.1	9.1	4.9	4	-	-	-	-	-	-	-	-	-	-				
						7.2	0.2	87	16.2	8.2	8.2	31.6	31.6	112.3	112.3	9.1	9.1	4.9	4	-	-	-	-	-	-	-	-	-					
IM12	Cloudy	Moderate	06:30	8.5	Surface	1.0	0.2	114	16.2	16.2	8.2	8.2	31.3	31.3	120.1	120.0	9.8	9.7	2.3	4	-	-	-	-	821439	812032	-	-	-	-			
						1.0	0.2	114	16.2	8.2	8.2	31.3	31.3	119.9	119.9	9.7	9.7	2.3	4	-	-	-	-	-	-	-	-						
						4.3	0.1	108	16.2	8.2	8.2	31.7	31.7	118.0	118.0	9.6	9.6	2.5	4	-	-	-	-	-	-	-							
					Middle	4.3	0.1	115	16.2	8.2	8.2	31.7	31.7	117.9	117.9	9.6	9.6	2.5	4	-	-	-	-	-	-	-	-	-					
						7.5	0.1	110	16.2	8.2	8.2	31.7	31.7	115.4	113.5	9.4	9.2	2.8	4	-	-	-	-	-	-	-	-						
						7.5	0.1	120	16.2	8.2	8.2	31.7	31.7	111.6	111.6	9.0	9.0	2.8	5	-	-	-	-	-	-	-							
					Bottom	7.5	0.1	110	16.2	8.2	8.2	31.7	31.7	115.4	113.5	9.4	9.2	2.8	4	-	-	-	-	-	-	-	-						
						7.5	0.1	120	16.2	8.2	8.2	31.7	31.7	111.6	111.6	9.0	9.0	2.8	5	-	-	-	-	-	-	-							
						7.5	0.1	120	16.2	8.2	8.2	31.7	31.7	111.6	111.6	9.0	9.0	2.8	5	-	-	-	-	-	-								
SR1A	Cloudy	Calm	05:51	4.8	Surface	1.0	-	-	16.3	16.3	8.2	8.2	31.7	31.7	114.2	113.9	9.2	9.2	2.5	3	-	-	-	-	819978	812664	-	-	-	-			
						1.0	-	-	16.3	16.3	8.2	8.2	31.7	31.7	113.6	113.9	9.2	9.2	2.5	2	-	-	-	-	-	-	-						
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						3.8	-	-	16.3	16.3	8.2	8.2	31.7	31.7	111.3	110.8	9.0	9.0	2.4	3	-	-	-	-	-	-	-						
						3.8	-	-	16.3	16.3	8.2	8.2	31.8	31.7	110.3	110.8	8.9	9.0	2.5	4	-	-	-	-	-	-							
					Bottom	3.8	-	-	16.3	16.3	8.2	8.2	31.7	31.7	111.3	110.8	9.0	9.0	2.4	3	-	-	-	-	-	-	-						
						3.8	-	-	16.3	16.3	8.2	8.2	31.8	31.7	110.3	110.8	8.9	9.0	2.5	4	-	-	-	-	-	-							
						3.8	-	-	16.3	16.3	8.2	8.2	31.8	31.7	110.3	110.8	8.9	9.0	2.5	4	-	-	-	-	-								
SR2	Cloudy	Moderate	05:34	4.2	Surface	1.0	0.2	80	16.2	16.2	8.2	8.2	31.7	31.7	115.6	115.5	9.4	9.4	3.0	3	-	-	-	-	821468	814154	-	-	-	-			
						1.0	0.2	83	16.2	8.2	8.2	31.7	31.7	115.3	115.5	9.3	9.3	3.0	2	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						3.2	0.2	75	16.2	8.2	8.2	31.7	31.7	111.6	111.6	9.0	9.0	3.5	3	-	-	-	-	-	-								
						3.2	0.2	79	16.2	8.2	8.2	31.7	31.7	111.5	111.6	9.0	9.0	3.5	2	-	-	-	-	-									
					Bottom	3.2	0.2	75	16.2	8.2	8.2	31.7	31.7	111.6	111.6	9.0	9.0	3.5	3	-	-	-	-	-									
						3.2	0.2	79	16.2	8.2	8.2	31.7	31.7	111.5	111.6	9.0	9.0	3.5	2	-	-	-	-										
						3.2	0.2	79	16.2	8.2	8.2	31.7	31.7	111.5	111.6	9.0	9.0	3.5	2	-	-	-	-										
SR3	Cloudy	Moderate	07:04	8.6	Surface	1.0	0.2	192	16.2	16.2	8.2	8.2	30.6	30.6	119.6	119.6	9.8	9.6	2.8	3	-	-	-	-	822163	807558	-	-	-	-			
						1.0	0.3	199	16.2	8.2	8.2	30.6	30.6	119.5	119.6	9.7	9.6	2.8	4	-	-	-	-										
						4.3	0.1	156	16.2	8.2	8.2	31.6	31.6	117.2	117.1	9.5	9.5	3.5	3	-	-	-	-										
					Middle	4.3	0.1	164	16.2	8.2	8.2	31.6	31.6																				

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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
C1	Fine	Moderate	08:45	8.4	Surface	1.0	0.2	188	17.1	17.1	8.2	8.2	27.8	27.9	123.6	123.5	10.1	9.6	2.3	3.0	3	-	-	-	-	-	-	-	-	-	-					
						1.0	0.2	195	17.0	8.2	8.2	27.9	27.9	123.3	123.3	10.1	9.6	2.5	3.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	4.2	0.1	199	16.7	16.7	8.2	8.2	31.2	31.2	111.7	111.5	9.0	9.0	3.3	3.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.2	0.1	213	16.7	16.7	8.2	8.2	31.2	31.2	111.2	111.5	9.0	9.0	3.3	3.0	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	7.4	0.1	255	16.7	16.7	8.2	8.2	31.2	31.2	109.1	109.1	8.8	8.8	3.3	8.8	3.3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						7.4	0.1	260	16.7	16.7	8.2	8.2	31.1	31.1	109.0	109.1	8.8	8.8	3.4	8.8	3.4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	Fine	Moderate	09:44	10.8	Surface	1.0	0.2	135	17.0	17.0	8.2	8.2	29.3	29.3	125.1	125.1	10.1	10.1	1.4	1.6	4	-	-	-	-	-	-	-	-	-	-	-				
						1.0	0.2	141	17.0	17.0	8.2	8.2	29.3	29.3	125.1	125.1	10.1	10.1	1.4	1.6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	5.4	0.5	154	17.0	17.0	8.2	8.2	31.2	31.2	124.7	124.7	10.0	10.0	1.3	10.1	1.3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.4	0.5	159	17.0	17.0	8.2	8.2	31.2	31.2	124.6	124.6	10.0	10.0	1.3	10.1	1.3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	9.8	0.5	144	16.8	16.8	8.2	8.2	31.7	31.7	120.5	120.5	9.7	9.7	2.0	9.7	2.0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						9.8	0.5	148	16.8	16.8	8.2	8.2	31.7	31.7	120.5	120.5	9.7	9.7	2.1	9.7	2.1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	Fine	Moderate	07:24	11.8	Surface	1.0	0.4	286	16.9	16.9	8.2	8.2	31.4	31.4	118.4	118.3	9.5	9.4	1.2	1.2	5	-	-	-	-	-	-	-	-	-	-	-				
						1.0	0.4	300	16.9	16.9	8.2	8.2	31.4	31.4	118.2	118.3	9.5	9.4	1.2	9.4	1.2	4	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	5.9	0.2	257	16.8	16.8	8.1	8.1	31.9	31.9	114.6	114.6	9.2	9.2	1.1	9.4	1.1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
						5.9	0.2	277	16.8	16.8	8.1	8.1	31.9	31.9	114.6	114.6	9.2	9.2	1.1	9.4	1.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	10.8	0.1	120	16.7	16.7	8.1	8.1	32.2	32.2	109.2	109.1	8.7	8.7	1.3	8.7	1.3	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						10.8	0.1	130	16.7	16.7	8.1	8.1	32.2	32.2	109.0	109.1	8.7	8.7	1.3	8.7	1.3	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM1	Fine	Moderate	09:08	4.6	Surface	1.0	0.0	157	17.2	17.3	8.3	8.3	28.9	28.9	125.5	125.4	10.1	10.1	2.1	10.1	2.2	5	-	-	-	-	-	-	-	-	-	-				
						1.0	0.0	165	17.3	17.3	8.3	8.3	29.0	29.0	125.2	125.4	10.1	10.1	2.2	10.1	2.2	4	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.1	169	17.3	17.3	8.3	8.3	29.8	29.9	122.4	122.4	9.8	9.8	6.1	9.8	6.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.6	0.1	182	17.3	17.3	8.3	8.3	29.9	29.9	122.3	122.4	9.8	9.8	6.4	9.8	6.4	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Moderate	09:16	6.4	Surface	1.0	0.1	194	17.1	17.1	8.3	8.3	29.5	29.5	126.3	126.3	10.2	10.1	2.2	10.1	2.2	4	-	-	-	-	-	-	-	-	-	-				
						1.0	0.1	207	17.1	17.1	8.3	8.3	29.5	29.5	126.3	126.3	10.2	10.1	2.2	10.1	2.2	3	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.2	0.1	224	17.2	17.2	8.3	8.3	30.6	30.6	124.2	124.1	10.0	10.1	9.3	10.1	9.3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.2	0.1	237	17.2	17.2	8.3	8.3	30.6	30.6	124.0	124.1	9.9	9.9	2	9.9	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	5.4	0.1	200	17.2	17.2	8.3	8.3	30.8	30.8	122.9	122.8	9.8	9.8	5.3	9.8	5.3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.4	0.1	207	17.2	17.2	8.3	8.3	30.8	30.8	122.6	122.8	9.8	9.8	5.7	9.8	5.7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM3	Fine	Moderate	09:29	6.8	Surface	1.0	0.0	326	17.1	17.1	8.3	8.3	30.2	30.3	126.9	126.9	10.2	10.1	2.6	10.1	2.6	4	-	-	-	-	-	-	-	-	-	-				
						1.0	0.0	339	17.1	17.1	8.3	8.3	30.4	30.4	126.8	126.9	10.2	10.1	2.6	10.1	2.6	3	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.4	0.0	237	17.0	17.0	8.3	8.3	30.7	30.8	125.5	125.3	10.1	10.1	2.7	10.1	2.7	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.4	0.0	255	17.0	17.0	8.3	8.3	30.8	30.8	125.0	125.3	10.0	10.0	2.8	10.0	2.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	5.8	0.0	51	17.0	17.0	8.3	8.3	30.9	30.9	123.8	123.6	9.9	9.9	3.8	9.9	3.8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						5.8	0.0	51	17.0	17.0	8.3	8.3	30.9	30.9	123.4	123.6	9.9	9.9	3.9	9.9	3.9	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM4	Fine	Moderate	09:40	7.5	Surface	1.0	0.2	190	17.1	17.1	8.3	8.3	29.1	29.2	125.5	125.3	10.1	10.0	2.7	10.0	2.9	3	-	-	-	-	-	-	-	-	-	-				
						1.0	0.2	201	17.1	17.1	8.3	8.3	29.4	29.2	125.1	125.3	10.1	10.0	2.9	10.0	2.9	2	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.8	0.1	185	16.9	16.9	8.3	8.3	30.6	30.7	122.2	121.9	9.8	9.8	3.7	9.8	3.7	4	-	-	-	-	-	-	-	-	-	-	-	-		
						3.8	0.1	199	16.9	16.9	8.3	8.3	30.7	30.7	121.6	121.9	9.8	9.8	3.7	9.8	3.7	5	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	6.5	0.1	169	16.9	16.9	8.3	8.3	30.9	30.9	120.3	120.3	9.7	9.7	3.3	9.7	3.3	4	-	-	-	-	-	-	-	-	-	-	-	-		
						6.5	0.1	171	16.9	16.9	8.3	8.3	30.9	30.9	120.2	120.3	9.7	9.7	3.2	9.7	3.2	5	-	-	-	-	-	-	-	-	-	-	-			
IM5	Fine	Moderate	09:48	6.6	Surface	1.0	0.3	235	17.1	17.1	8.3	8.3	27.8	27.8	124.8	124.8	10.2	10.0	2.3	10.0	2.3	3	-	-	-	-	-	-	-	-	-	-				
						1.0	0.3	242	17.1	17.1	8.3	8.3	27.8	27.8	124.8	124.8	10.2	10.0	2.3	10.0	2.3	4	-	-	-	-	-	-	-	-	-	-				
					Middle	3.3	0.2	226	17.0	17.0	8.3	8.3	30.3	30.4	122.0	121.9	9.8	9.8	3.1	9.8	3.1	4	-	-	-	-	-	-	-	-	-	-	-			
						3.3	0.2	229	17.0	17.0	8.3	8.3	30.4	30.4	121.7	121.9	9.8	9.8	3.1	9.8	3.1	5	-	-	-	-</										

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Fine	Moderate	09:07	6.8	Surface	1.0	0.1	214	17.1	17.1	8.2	8.2	29.1	29.1	124.4	124.5	10.1	10.1	1.5	3	-	-	-	-	822114	808790	-	-	-	-			
						1.0	0.1	221	17.1	17.1	8.2	8.2	29.1	29.1	124.5	124.5	10.1	10.1	1.4	4	-	-	-	-									
					Middle	3.4	0.1	290	17.2	17.2	8.2	8.2	29.3	29.2	124.9	124.9	10.1	10.1	1.4	4	-	-	-	-									
						3.4	0.1	316	17.2	17.2	8.2	8.2	29.2	29.2	124.9	124.9	10.1	10.1	1.4	3	-	-	-	-									
					Bottom	5.8	0.1	358	17.2	17.2	8.2	8.2	30.0	30.0	123.9	123.9	10.0	10.0	1.5	3	-	-	-	-									
						5.8	0.1	329	17.2	17.2	8.2	8.2	30.0	30.0	123.8	123.8	10.0	10.0	1.5	4	-	-	-	-									
IM10	Fine	Moderate	08:58	7.0	Surface	1.0	0.2	59	17.2	17.2	8.2	8.2	29.7	29.7	123.0	123.0	9.9	9.9	1.6	3	-	-	-	-									
						1.0	0.2	61	17.2	17.2	8.2	8.2	29.7	29.7	122.9	122.9	9.9	9.9	1.5	4	-	-	-	-									
					Middle	3.5	0.1	77	17.1	17.1	8.2	8.2	30.9	30.9	120.0	120.0	9.6	9.6	1.7	4	-	-	-	-									
						3.5	0.1	79	17.1	17.1	8.2	8.2	31.0	30.9	119.9	119.9	9.6	9.6	1.7	5	-	-	-	-									
					Bottom	6.0	0.1	124	17.0	17.0	8.2	8.2	31.4	31.4	118.0	117.9	9.4	9.4	2.0	5	-	-	-	-									
						6.0	0.1	128	17.0	17.0	8.2	8.2	31.4	31.4	117.8	117.8	9.4	9.4	2.0	4	-	-	-	-									
IM11	Fine	Moderate	08:46	7.8	Surface	1.0	0.2	95	17.2	17.2	8.2	8.2	29.0	29.0	125.1	125.1	10.1	10.1	1.3	4	-	-	-	-									
						1.0	0.2	98	17.2	17.2	8.2	8.2	29.0	29.0	125.1	125.1	10.1	10.1	1.4	3	-	-	-	-									
					Middle	3.9	0.1	11	17.2	17.2	8.2	8.2	31.1	31.1	121.3	121.2	9.7	9.7	1.7	4	-	-	-	-									
						3.9	0.1	11	17.2	17.2	8.2	8.2	31.1	31.1	121.1	121.1	9.7	9.7	1.7	3	-	-	-	-									
					Bottom	6.8	0.1	314	16.7	16.7	8.1	8.1	31.8	31.8	114.4	114.4	9.2	9.2	1.9	2	-	-	-	-									
						6.8	0.1	338	16.7	16.7	8.1	8.1	31.8	31.8	114.3	114.3	9.2	9.2	1.7	2	-	-	-	-									
IM12	Fine	Moderate	08:37	8.9	Surface	1.0	0.2	95	17.2	17.2	8.2	8.2	29.8	29.8	123.9	123.9	10.0	10.0	1.4	3	-	-	-	-									
						1.0	0.2	103	17.2	17.2	8.2	8.2	29.9	29.9	123.9	123.9	10.0	10.0	1.4	4	-	-	-	-									
					Middle	4.5	0.1	9	17.1	17.1	8.2	8.2	31.5	31.5	119.2	119.2	9.5	9.5	1.7	3	-	-	-	-									
						4.5	0.1	9	17.1	17.1	8.2	8.2	31.5	31.5	119.1	119.1	9.5	9.5	1.6	4	-	-	-	-									
					Bottom	7.9	0.1	129	16.8	16.8	8.2	8.2	31.7	31.7	113.3	113.4	9.1	9.1	1.4	3	-	-	-	-									
						7.9	0.1	136	16.8	16.8	8.2	8.2	31.7	31.7	113.4	113.4	9.1	9.1	1.5	3	-	-	-	-									
SR1A	Fine	Moderate	08:02	5.5	Surface	1.0	-	-	17.1	17.1	8.2	8.2	29.9	29.9	117.7	117.7	9.5	9.5	1.4	3	-	-	-	-									
						1.0	-	-	17.1	17.1	8.2	8.2	29.9	29.9	117.6	117.6	9.5	9.5	1.4	3	-	-	-	-									
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.5	-	-	17.3	17.3	8.2	8.2	31.7	31.7	118.4	118.3	9.4	9.4	1.8	3	-	-	-	-									
						4.5	-	-	17.3	17.3	8.2	8.2	31.7	31.7	118.2	118.2	9.4	9.4	1.9	3	-	-	-	-									
SR2	Fine	Moderate	07:46	4.3	Surface	1.0	0.1	16	17.1	17.1	8.2	8.2	30.6	30.6	120.2	120.2	9.7	9.7	1.3	4	-	-	-	-									
						1.0	0.1	17	17.1	17.1	8.2	8.2	30.6	30.6	120.2	120.2	9.7	9.7	1.3	4	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.3	0.1	339	17.1	17.1	8.2	8.2	30.7	30.7	113.5	113.5	9.1	9.1	2.1	5	-	-	-	-									
						3.3	0.1	359	17.1	17.1	8.2	8.2	30.7	30.7	113.4	113.4	9.1	9.1	2.2	4	-	-	-	-									
SR3	Fine	Moderate	09:21	8.6	Surface	1.0	0.0	246	16.9	16.9	8.2	8.2	28.7	28.7	124.7	124.7	10.2	10.2	1.5	4	-	-	-	-									
						1.0	0.0	256	16.9	16.9	8.2	8.2	28.7	28.7	124.7	124.7	10.2	10.2	1.5	4	-	-	-	-									
					Middle	4.3	0.1	194	17.3	17.3	8.2	8.2	30.9	30.9	126.5	126.4	10.1	10.1	1.5	4	-	-	-	-									
						4.3	0.1	204	17.3	17.3	8.2	8.2	30.9	30.9	126.3	126.4	10.1	10.1	1.5	3	-	-	-	-									
					Bottom	7.6	0.1	258	17.1	17.1	8.2	8.2	31.3	31.3	122.8	122.8	9.8	9.8	1.5	3	-	-	-	-									
						7.6	0.1	274	17.1	17.1	8.2	8.2	31.3	31.3	122.8	122.8	9.8	9.8	1.5	3	-	-	-	-									
SR4A	Fine	Moderate	08:22	8.2	Surface	1.0	0.1	161	17.4	17.4	8.3	8.3	29.6	29.7	121.5	121.4	9.8	9.7	2.3	4	-	-	-	-									
						1.0	0.1	165	17.4	17.4	8.3	8.3	29.7	29.7	121.3	121.3	9.7	9.7	2.3	3	-	-	-	-									
					Middle	4.1	0.1	186	17.5	17.5	8.2	8.2	30.1	30.2	121.0	121.1	9.7	9.7	2.4	4	-	-	-	-									
						4.1	0.1	189	17.5	17.5	8.2	8.2	30.2	30.2	121.1	121.1	9.7	9.7	2.4	4	-	-	-	-									
					Bottom	7.2	0.1	184	17.7	17.7	8.2	8.2	30.7	30.8	120.7	120.6	9.6	9.6	2.5	2	-	-	-	-									
						7.2	0.1	186	17.7	17.7	8.2	8.2	30.8	30.8	120.5	120.5	9.6	9.6	2.8	2	-	-	-	-									
SR5A	Fine	Moderate	08:03	3.0	Surface	1.0	0.1	124	17.6	17.6	8.2	8.2	30.8	30.8	117.6	117.5	9.3	9.3	8.8	2	-	-	-	-									
						1.0	0.1	129	17.6	17.6	8.2	8.2	30.8	30.8	117.3	117.3	9.3	9.3	9.0	3	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	2.0	0.1	111	17.6	17.6	8.2	8.2	30.8	30.8	115.7	115.5	9.2	9.2	5.0	3	-	-	-	-									
						2.0	0.1	114	17.6	17.6	8.2	8.2	30.8	30.8	115.2	115.2	9.1	9.2	4.7	3	-	-	-	-									
SR6A	Fine	Moderate	07:33	4.5	Surface	1.0	0.0	336	17.2	17.3	8.3	8.3	29.7	29.8	118.5	118.5	9.5	9.5	2.9	3	-	-	-	-									
						1.0	0.0	351	17.3	17.3	8.3	8.3	29.8	29.8	118.5	118.5	9.5	9.5	3.0	4	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.5	0.1	16	17.4	17.4	8.3	8.2	29.9	29.9	117.8	117.5	9.4	9.4	3.5	3	-	-	-	-									
						3.5	0.1	17	17.4	17.4	8.2	8.2	30.0	29.9	117.1	117.1	9.4	9.4	3.8	2	-	-	-	-									
SR7	Fine	Moderate	06:48	14.5	Surface	1.0	0.6	61	16.8	16.8	8.1	8.1	32.0	32.0	114.5	114.5	9.2	9.1	1.2	3	-	-	-	-									
						1.0	0.7	65	16.8	16.8	8.1	8.1	32.0	32.0	114.5	114.5	9.2	9.1	1.2	3	-	-	-	-									
					Middle	7.3	0.2	14	16.8	16.8	8.1	8.1	32.1	32.1	112.9	112.9	9.0	9.0	1.2	2	-	-	-	-									
						7.3	0.2	14	16.8	16.8	8.1	8.1	32.1	32.1	112.8	112.9	9.0	9.0	1.2	3	-	-	-	-									
					Bottom	13.5	0.2	55	16.8	16.8	8.0	8.0	32.2	32.2	109.5	109.5	8.8	8.8	1.2	3	-	-	-	-									
						13.5	0.2	55	16.8	16.8	8.0	8.0	32.2	32.2	109.4	109.4	8.7	8.8	1.2	2	-	-	-	-									
SR8	Fine	Moderate	08:28	5.3	Surface	1.0	-	-	17.7	17.7	8.2	8.2	30.1	30.1	117.5	117.6	9.3	9.4	1.9	6	-	-	-	-									
						1.0	-	-	17.7	17.7	8.2	8.2	30.1	30.1	117.7	117.7	9.4	9.4	1.9	5	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.3	-	-	17.2	17.2	8.2	8.2	31.5	31.5	116.1	116.0	9.2	9.2	2.5	5	-	-	-	-									
						4.3	-	-	17.2	17.2	8.2	8.2	31.5																				

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

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	13:46	8.0	Surface	1.0	0.2	46	17.3	8.3	8.3	29.3	29.3	126.1	125.9	10.2	9.6	2.1	2	-	-	-	-	815605	804224	-	-	-	-				
						1.0	0.2	49	17.4	8.3	8.3	29.2	29.3	125.7	125.9	10.1	9.6	2.1	3	-	-	-	-										
					Middle	4.0	0.2	24	16.8	8.3	8.3	31.2	31.2	113.0	112.9	9.1	9.1	9.6	6.7	2	3	-	-			-	-						
						4.0	0.3	24	16.8	8.3	8.3	31.2	31.2	112.8	112.9	9.1	9.1	9.6	3	-	-	-	-										
					Bottom	7.0	0.2	39	16.8	8.3	8.3	31.2	31.2	111.1	110.9	8.9	8.9	8.4	3	-	-	-	-										
						7.0	0.2	42	16.8	8.3	8.3	31.2	31.2	110.7	110.7	8.9	8.9	8.6	3	-	-	-	-										
C2	Sunny	Moderate	12:36	10.5	Surface	1.0	0.3	350	17.5	8.2	8.2	28.9	28.9	129.3	129.3	10.4	10.3	1.4	3	-	-	-	-	825669	806936	-	-	-	-				
						1.0	0.3	322	17.5	8.2	8.2	28.9	28.9	129.3	129.3	10.4	10.3	1.4	2	-	-	-	-										
					Middle	5.3	0.4	28	17.0	8.2	8.2	30.9	30.9	126.4	126.5	10.1	10.1	1.3	1.4	3	3	-	-			-	-						
						5.3	0.4	30	17.0	8.2	8.2	30.9	30.9	126.6	126.6	10.2	10.2	1.3	2	-	-	-	-										
					Bottom	9.5	0.4	346	16.8	8.2	8.2	31.7	31.7	120.4	120.5	9.6	9.6	1.5	4	-	-	-	-										
						9.5	0.4	354	16.8	8.2	8.2	31.7	31.7	120.6	120.6	9.7	9.7	1.5	3	-	-	-	-										
C3	Sunny	Moderate	14:58	12.0	Surface	1.0	0.3	241	17.3	8.2	8.2	31.7	31.7	119.1	119.2	9.5	9.2	1.2	3	-	-	-	-	822131	817796	-	-	-	-				
						1.0	0.3	257	17.3	8.2	8.2	31.7	31.7	119.2	119.2	9.5	9.2	1.2	2	-	-	-	-										
					Middle	6.0	0.4	252	16.8	8.1	8.1	32.3	32.3	110.3	110.3	8.8	8.8	1.4	5	-	-	-	-										
						6.0	0.4	259	16.8	8.1	8.1	32.3	32.3	110.3	110.3	8.8	8.8	1.4	5	-	-	-	-										
					Bottom	11.0	0.4	266	16.8	8.1	8.1	32.3	32.3	107.6	107.6	8.6	8.6	1.9	5	-	-	-	-										
						11.0	0.4	287	16.8	8.1	8.1	32.3	32.3	107.6	107.6	8.6	8.6	2.0	4	-	-	-	-										
IM1	Sunny	Moderate	13:24	4.4	Surface	1.0	0.2	18	17.5	8.4	8.4	30.3	30.3	128.1	128.2	10.2	10.2	2.6	2	-	-	-	-	817972	807150	-	-	-	-				
						1.0	0.2	18	17.5	8.4	8.4	30.4	30.3	128.2	128.2	10.2	10.2	2.7	3	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-							
					Bottom	3.4	0.1	17	17.4	8.4	8.4	30.7	30.7	125.9	125.3	10.0	10.0	2.9	3	-	-	-	-										
						3.4	0.1	17	17.4	8.4	8.4	30.7	30.7	124.7	124.7	9.9	9.9	2.9	2	-	-	-	-										
IM2	Sunny	Moderate	13:16	7.2	Surface	1.0	0.1	356	17.5	8.4	8.4	29.6	29.7	130.7	131.0	10.5	10.6	2.1	<2	-	-	-	-	818155	806170	-	-	-	-				
						1.0	0.1	328	17.5	8.4	8.4	29.8	29.7	131.2	131.2	10.5	10.6	2.2	<2	-	-	-	-										
					Middle	3.6	0.1	14	17.1	8.4	8.4	30.7	30.7	133.6	133.7	10.7	10.7	4.9	3	-	-	-	-										
						3.6	0.1	14	17.1	8.4	8.4	30.7	30.7	133.7	133.7	10.7	10.7	4.5	3	-	-	-	-										
					Bottom	6.2	0.1	357	17.2	8.4	8.4	30.9	30.9	135.5	135.2	10.8	10.8	7.7	2	-	-	-	-										
						6.2	0.1	328	17.2	8.4	8.4	30.9	30.9	134.8	135.2	10.8	10.8	7.1	3	-	-	-	-										
IM3	Sunny	Moderate	13:09	6.9	Surface	1.0	0.1	327	17.6	8.4	8.4	29.8	29.9	128.5	128.6	10.3	10.4	2.1	3	-	-	-	-	818798	805576	-	-	-	-				
						1.0	0.2	337	17.5	8.4	8.4	29.9	29.9	128.6	128.6	10.3	10.4	2.1	2	-	-	-	-										
					Middle	3.5	0.1	340	17.1	8.4	8.4	30.5	30.5	129.0	129.1	10.4	10.4	2.5	4	-	-	-	-										
						3.5	0.1	313	17.1	8.4	8.4	30.5	30.5	129.1	129.1	10.4	10.4	2.7	3	-	-	-	-										
					Bottom	5.9	0.1	2	17.1	8.4	8.4	30.8	30.8	130.3	130.1	10.4	10.4	3.2	5	-	-	-	-										
						5.9	0.1	2	17.1	8.4	8.4	30.8	30.8	129.8	129.8	10.4	10.4	3.2	4	-	-	-	-										
IM4	Sunny	Moderate	13:00	8.0	Surface	1.0	0.3	356	17.2	8.4	8.4	30.4	30.4	128.4	128.3	10.3	10.2	2.2	3	-	-	-	-	819709	804586	-	-	-	-				
						1.0	0.3	328	17.2	8.4	8.4	30.4	30.4	128.2	128.2	10.3	10.2	2.2	3	-	-	-	-										
					Middle	4.0	0.3	6	16.9	8.3	8.3	30.9	30.9	124.3	124.2	10.0	10.0	3.1	3	-	-	-	-										
						4.0	0.3	6	16.9	8.3	8.3	30.9	30.9	124.0	124.0	10.0	10.0	3.2	3	-	-	-	-										
					Bottom	7.0	0.2	21	16.9	8.3	8.3	31.0	31.0	121.1	121.0	9.7	9.7	6.5	2	-	-	-	-										
						7.0	0.3	21	17.0	8.3	8.3	31.0	31.0	120.9	120.9	9.7	9.7	7.0	3	-	-	-	-										
IM5	Sunny	Moderate	12:51	7.2	Surface	1.0	0.1	290	17.2	8.4	8.4	28.4	28.4	129.3	129.3	10.5	10.4	2.3	4	-	-	-	-	820724	804862	-	-	-	-				
						1.0	0.1	307	17.2	8.4	8.4	28.4	28.4	129.3	129.3	10.5	10.5	2.3	4	-	-	-	-										
					Middle	3.6	0.2	59	17.1	8.4	8.4	30.7	30.6	128.5	128.4	10.3	10.3	2.5	4	-	-	-	-										
						3.6	0.2	59	17.1	8.4	8.4	30.6	30.6	128.3	128.3	10.3	10.3	2.5	3	-	-	-	-										
					Bottom	6.2	0.1	64	17.1	8.3	8.3	30.8	30.8	124.3	124.2	10.0	10.0	2.9	3	-	-	-	-										
						6.2	0.1	65	17.1	8.3	8.3	30.8	30.8	124.1	124.1	9.9	9.9	3.1	4	-	-	-	-										
IM6	Sunny	Moderate	12:43	7.0	Surface	1.0	0.3	255	17.2	8.3	8.3	27.6	27.6	127.4	127.4	10.4	10.4	2.4	2	-	-	-	-	821045	805822	-	-	-	-				
						1.0	0.3	270	17.2	8.3	8.3	27.6	27.6	127.4	127.4	10.4	10.4	2.4	3	-	-	-	-										
					Middle	3.5	0.1	222	17.2	8.4	8.4	29.9	29.8	128.9	128.9	10.4	10.4	2.3	4	-	-	-	-										
						3.5	0.1	231	17.2	8.4	8.4	29.8	29.8	128.8	128.8	10.4	10.4	2.3	5	-	-	-	-										
					Bottom	6.0	0.1	77	17.1	8.3	8.3	30.7	30.7	125.2	125.0	10.0	10.0	3.2	4	-	-	-	-										
						6.0	0.1	77	17.2	8.3	8.3	30.7	30.7	124.8	124.8	10.0	10.0	3.2	5	-	-	-	-										
IM7	Sunny	Moderate	12:36	8.2	Surface	1.0	0.2	253	17.5	8.3	8.3	27.4	27.4	127.2	127.2	10.3	10.3	2.4	2	-	-	-	-	821346	806849	-	-	-	-				
						1.0	0.2	265	17.4	8.3	8.3	27.4	27.4	127.2	127.2	10.3	10.3	2.5	3	-	-	-	-										
					Middle	4.1	0.1	255	17.2	8.3	8.3	29.6	29.6	126.8	126.8	10.2	10.2	2.4	2	-	-	-	-										
						4.1	0.2	270	17.2	8.3	8.3	29.6	29.6	126.7	126.7	10.2	10.2	2.5	2	-	-	-	-										
					Bottom	7.2	0.0	102	17.1	8.3	8.3	30.7	30.7	124.9	124.7	10.0	10.0	5.9	2	-	-	-	-										
						7.2	0.0	111	17.1	8.3	8.3	30.7	30.7	124.4	124.4	10.0	10.0	5.8	2	-	-	-	-										
IM8	Sunny	Moderate	13:07	7.5	Surface	1.0	0.1	306	17.5	8.2	8.2	29.2	29.2	128.3	128.3	10.3	10.4	1.5	5	-	-	-	-	821852	808146	-	-	-	-				
						1.0	0.1	330	17.5	8.2	8.2	29.2	29.2	128.2	128.3	10.3	10.3	1.5	4	-	-	-	-										
					Middle																												

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

Water Quality Monitoring

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

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Sunny	Moderate	13:17	7.0	Surface	1.0	0.1	295	17.5	17.5	8.2	8.2	29.2	29.2	128.1			128.1	10.3	10.3	1.4	3	-
					Middle	1.0	0.1	295	17.5	17.3	8.2	8.2	29.2	29.2	128.1	128.1	10.3	10.3	1.5	3	-	-			-	-	-	-			
						3.5	0.2	262	17.3		8.2	8.2	30.0	30.0	124.9	124.8	10.0	10.0	1.7	3	-	-			-	-	-	-			
						3.5	0.2	281	17.3		8.2	8.2	30.0	30.0	124.7	124.7	10.0	10.0	1.8	2	-	-			-	-	-	-			
					Bottom	6.0	0.1	303	17.1	17.1	8.2	8.2	31.3	31.3	126.6	126.8	10.1	10.1	1.6	2	-	-			-	-	-	-			
						6.0	0.1	328	17.1		8.2	8.2	31.3	31.3	127.0	127.0	10.1	10.1	1.5	3	-	-			-	-	-	-			
IM10	Sunny	Moderate	13:25	8.1	Surface	1.0	0.2	319	17.4	17.4	8.2	8.2	29.9	29.9	127.0	126.9	10.2	10.2	1.3	2	-	-	822388	809781	-	-	-	-			
					Middle	1.0	0.2	339	17.4	17.3	8.2	8.2	29.9	29.9	126.8	126.8	10.2	10.2	1.3	3	-	-			-	-	-	-			
						4.1	0.3	315	17.3		8.2	8.2	30.6	30.5	124.1	124.2	9.9	9.9	1.5	3	-	-			-	-	-	-			
						4.1	0.3	331	17.3		8.2	8.2	30.5	30.5	124.2	124.2	9.9	9.9	1.5	3	-	-			-	-	-	-			
					Bottom	7.1	0.2	299	17.2	17.2	8.2	8.2	31.5	31.5	119.5	119.4	9.5	9.5	2.0	3	-	-			-	-	-	-			
						7.1	0.2	309	17.2		8.2	8.2	31.5	31.5	119.3	119.3	9.5	9.5	2.1	3	-	-			-	-	-	-			
IM11	Sunny	Moderate	13:36	7.9	Surface	1.0	0.3	319	17.6	17.6	8.2	8.2	29.9	29.9	127.8	127.9	10.2	10.2	1.4	6	-	-	822046	811449	-	-	-	-			
					Middle	1.0	0.3	349	17.6	17.3	8.2	8.2	29.9	29.9	127.9	127.9	10.2	10.2	1.5	6	-	-			-	-	-	-			
						4.0	0.3	297	17.3		8.2	8.2	30.6	30.6	125.7	125.7	10.1	10.1	1.3	6	-	-			-	-	-	-			
						4.0	0.3	301	17.3		8.2	8.2	30.6	30.6	125.7	125.7	10.1	10.1	1.3	5	-	-			-	-	-	-			
					Bottom	6.9	0.2	295	17.0	17.0	8.2	8.2	31.6	31.6	118.4	118.4	9.5	9.5	2.1	5	-	-			-	-	-	-			
						6.9	0.2	320	17.0		8.2	8.2	31.6	31.6	118.3	118.3	9.5	9.5	2.1	4	-	-			-	-	-	-			
IM12	Sunny	Moderate	13:44	8.8	Surface	1.0	0.3	305	17.9	17.9	8.2	8.2	29.5	29.5	126.5	126.5	10.1	10.1	1.2	2	-	-	821441	812036	-	-	-	-			
					Middle	1.0	0.3	329	17.9	16.9	8.2	8.2	29.5	29.5	126.4	126.4	10.1	10.1	1.2	3	-	-			-	-	-	-			
						4.4	0.3	299	16.9		8.2	8.2	31.7	31.7	118.5	118.6	9.5	9.5	1.5	2	-	-			-	-	-	-			
						4.4	0.3	326	16.9		8.2	8.2	31.7	31.7	118.6	118.6	9.5	9.5	1.6	3	-	-			-	-	-	-			
					Bottom	7.8	0.3	314	16.8	16.8	8.2	8.2	31.8	31.8	116.4	116.5	9.3	9.3	3.1	3	-	-			-	-	-	-			
						7.8	0.3	336	16.8		8.2	8.2	31.8	31.8	116.5	116.5	9.3	9.3	3.1	3	-	-			-	-	-	-			
SR1A	Sunny	Moderate	14:20	5.4	Surface	1.0	-	-	17.8	17.8	8.2	8.2	29.5	29.5	126.1	126.1	10.0	10.0	1.2	4	-	-	819976	812665	-	-	-	-			
					Middle	1.0	-	-	17.8		8.2	8.2	29.5	29.5	126.1	126.1	10.0	10.0	1.2	3	-	-			-	-	-	-			
						2.7	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
						2.7	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
					Bottom	4.4	-	-	17.7	17.7	8.2	8.2	31.0	30.9	122.1	122.1	9.7	9.7	1.6	4	-	-			-	-	-	-			
						4.4	-	-	17.7		8.2	8.2	30.9	30.9	122.0	122.0	9.7	9.7	1.6	3	-	-			-	-	-	-			
SR2	Sunny	Moderate	14:37	4.8	Surface	1.0	0.1	77	17.7	17.7	8.2	8.2	30.6	30.6	125.8	125.9	10.0	10.0	1.1	3	-	-	821465	814143	-	-	-	-			
					Middle	1.0	0.1	81	17.7		8.2	8.2	30.6	30.6	125.9	125.9	10.0	10.0	1.1	2	-	-			-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
					Bottom	3.8	0.1	93	17.2	17.2	8.2	8.2	31.3	31.3	123.5	123.4	9.9	9.9	1.4	2	-	-			-	-	-	-			
						3.8	0.1	96	17.2		8.2	8.2	31.3	31.3	123.3	123.3	9.8	9.8	1.4	2	-	-			-	-	-	-			
SR3	Sunny	Moderate	13:00	8.8	Surface	1.0	0.1	291	17.6	17.6	8.2	8.2	29.4	29.4	127.0	127.1	10.2	10.2	1.2	3	-	-	822143	807577	-	-	-	-			
					Middle	1.0	0.1	292	17.6	17.2	8.2	8.2	29.4	29.4	127.1	127.1	10.2	10.2	1.2	2	-	-			-	-	-	-			
						4.4	0.1	259	17.2		8.2	8.2	29.7	29.7	126.7	126.8	10.2	10.2	1.4	3	-	-			-	-	-	-			
						4.4	0.1	276	17.2		8.2	8.2	29.7	29.7	126.9	126.9	10.2	10.2	1.4	2	-	-			-	-	-	-			
					Bottom	7.8	0.0	228	17.1	17.1	8.2	8.2	31.7	31.7	124.8	124.8	10.0	10.0	2.0	3	-	-			-	-	-	-			
						7.8	0.0	228	17.1		8.2	8.2	31.7	31.7	124.8	124.8	9.9	9.9	2.0	4	-	-			-	-	-	-			
SR4A	Sunny	Moderate	14:07	8.4	Surface	1.0	0.1	115	18.0	18.0	8.4	8.4	30.1	30.1	125.4	125.4	9.9	9.9	2.1	4	-	-	817174	807788	-	-	-	-			
					Middle	1.0	0.1	123	17.9	17.7	8.4	8.4	30.1	30.1	125.4	125.4	9.9	9.9	2.2	3	-	-			-	-	-	-			
						4.2	0.0	54	17.7		8.4	8.4	30.6	30.6	124.2	124.1	9.9	9.9	2.2	3	-	-			-	-	-	-			
						4.2	0.0	54	17.7		8.4	8.4	30.6	30.6	124.0	124.0	9.8	9.8	2.2	2	-	-			-	-	-	-			
					Bottom	7.4	0.1	75	17.6	17.6	8.4	8.4	30.7	30.7	122.4	122.3	9.7	9.7	2.2	2	-	-			-	-	-	-			
						7.4	0.1	79	17.6		8.4	8.4	30.7	30.7	122.2	122.2	9.7	9.7	2.3	3	-	-			-	-	-	-			
SR5A	Sunny	Moderate	14:24	3.1	Surface	1.0	0.0	172	18.3	18.3	8.3	8.3	30.8	30.8	123.1	123.0	9.6	9.6	4.6	2	-	-	816604	810715	-	-	-	-			
					Middle	1.0	0.0	173	18.3		8.3	8.3	30.8	30.8	122.8	122.8	9.6	9.6	4.7	3	-	-			-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
					Bottom	2.1	0.0	176	18.2	18.3	8.3	8.3	30.8	30.8	120.5	120.2	9.5	9.5	5.5												

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

Water Quality Monitoring Results on 26 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	11:43	8.0	Surface	1.0	0.1	204	17.6	17.6	8.2	8.2	31.5	31.5	120.1	120.2	9.5	9.4	2.4	2.7	4	4	-	-	-	-	-	-	-	-	-	-			
						1.0	0.1	219	17.6	8.2	8.2	31.5	31.5	120.2	120.2	9.5	9.5	2.5	2.5	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.0	0.1	226	17.5	8.1	8.1	31.7	31.7	117.3	117.3	9.3	9.3	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.0	0.1	243	17.5	8.1	8.1	31.7	31.7	117.3	117.3	9.3	9.3	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						7.0	0.0	187	17.5	8.1	8.1	31.9	31.9	111.3	111.2	8.8	8.8	2.6	2.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						7.0	0.0	205	17.5	8.1	8.1	31.9	31.9	111.1	111.1	8.8	8.8	2.6	2.6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C2	Sunny	Moderate	10:05	12.2	Surface	1.0	0.2	83	17.7	17.7	8.3	8.3	27.9	28.0	120.1	120.1	9.7	9.7	1.5	1.5	4	4	-	-	-	-	-	-	-	-	-	-			
						1.0	0.2	85	17.7	8.3	8.3	28.0	28.0	120.0	120.0	9.7	9.7	1.6	1.6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.1	0.2	71	17.5	8.3	8.3	28.8	28.9	114.2	114.2	9.2	9.2	4.6	4.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	6.1	0.2	76	17.5	8.3	8.3	29.0	29.0	114.1	114.1	9.2	9.2	4.8	4.8	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
						11.2	0.1	43	17.5	8.3	8.3	30.1	30.1	108.0	108.0	8.6	8.6	5.6	5.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						11.2	0.1	46	17.5	8.3	8.3	30.1	30.1	107.9	107.9	8.6	8.6	5.8	5.8	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
C3	Sunny	Moderate	12:01	12.2	Surface	1.0	0.3	88	17.6	17.6	8.4	8.4	30.3	30.3	114.0	114.0	9.1	9.1	1.3	1.3	5	5	-	-	-	-	-	-	-	-	-	-			
						1.0	0.3	89	17.6	8.4	8.4	30.3	30.3	113.9	113.9	9.1	9.1	1.3	1.3	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.1	0.2	82	17.4	8.3	8.3	30.4	30.4	109.6	109.3	8.7	8.7	2.1	2.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	6.1	0.3	85	17.4	8.3	8.3	30.4	30.4	109.0	109.3	8.7	8.7	2.1	2.1	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						11.2	0.1	69	17.3	8.3	8.3	30.7	30.7	106.9	107.1	8.5	8.5	3.2	3.2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						11.2	0.1	74	17.4	8.3	8.3	30.7	30.7	107.3	107.3	8.6	8.6	3.4	3.4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM1	Fine	Moderate	11:20	4.7	Surface	1.0	0.1	173	17.8	17.8	8.2	8.2	31.5	31.5	119.6	119.6	9.4	9.4	2.5	2.5	3	3	-	-	-	-	-	-	-	-	-	-			
						1.0	0.1	180	17.8	8.2	8.2	31.5	31.5	119.5	119.5	9.4	9.4	2.5	2.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.1	212	17.7	17.7	8.1	8.1	31.7	31.7	111.0	110.9	8.7	8.7	2.1	2.1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.1	214	17.7	17.7	8.1	8.1	31.7	31.7	110.8	110.8	8.7	8.7	2.1	2.1	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Fine	Moderate	11:11	6.8	Surface	1.0	0.1	202	17.6	17.6	8.2	8.2	31.7	31.7	121.1	121.1	9.6	9.6	2.3	2.3	4	4	-	-	-	-	-	-	-	-	-	-			
						1.0	0.1	218	17.6	8.2	8.2	31.7	31.7	121.0	121.0	9.6	9.6	2.3	2.3	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.4	0.1	270	17.5	8.1	8.1	32.0	32.0	118.1	118.1	9.3	9.3	2.6	2.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.4	0.1	277	17.5	8.1	8.1	32.0	32.0	118.0	118.0	9.3	9.3	2.6	2.6	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.8	0.1	266	17.6	8.1	8.1	32.2	32.2	115.9	115.7	9.1	9.1	3.4	3.4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.8	0.1	282	17.6	8.1	8.1	32.2	32.2	115.5	115.5	9.1	9.1	3.5	3.5	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM3	Fine	Moderate	11:04	6.9	Surface	1.0	0.0	97	17.6	17.6	8.2	8.2	31.6	31.6	121.3	121.3	9.6	9.6	2.4	2.4	4	4	-	-	-	-	-	-	-	-	-	-			
						1.0	0.0	97	17.6	8.2	8.2	31.6	31.6	121.2	121.2	9.6	9.6	2.4	2.4	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.5	0.1	216	17.5	8.1	8.1	32.0	32.0	116.6	116.6	9.2	9.2	2.7	2.7	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.5	0.1	223	17.5	8.1	8.1	32.0	32.0	116.5	116.5	9.2	9.2	2.7	2.7	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.9	0.1	228	17.5	8.1	8.1	32.1	32.1	111.8	111.8	8.8	8.8	3.0	3.0	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.9	0.1	245	17.5	8.1	8.1	32.1	32.1	111.8	111.8	8.8	8.8	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM4	Fine	Moderate	10:27	8.2	Surface	1.0	0.1	33	17.7	17.7	8.2	8.2	31.1	31.1	121.4	121.4	9.6	9.6	2.4	2.4	5	5	-	-	-	-	-	-	-	-	-	-			
						1.0	0.1	36	17.7	8.2	8.2	31.1	31.1	121.4	121.4	9.6	9.6	2.3	2.3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.1	0.1	305	17.6	8.1	8.1	31.7	31.7	116.4	116.3	9.2	9.2	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.1	0.1	323	17.6	8.1	8.1	31.7	31.7	116.2	116.2	9.2	9.2	2.9	2.9	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						7.2	0.1	257	17.5	8.1	8.1	31.9	31.9	109.6	109.5	8.6	8.6	3.1	3.1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						7.2	0.1	277	17.5	8.1	8.1	31.9	31.9	109.3	109.3	8.6	8.6	3.1	3.1	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM5	Fine	Moderate	10:19	7.4	Surface	1.0	0.2	10	17.6	17.6	8.2	8.2	31.2	31.2	120.2	120.3	9.5	9.5	2.9	2.9	3	3	-	-	-	-	-	-	-	-	-	-			
						1.0	0.2	10	17.6	8.2	8.2	31.2	31.2	120.3	120.3	9.5	9.5	2.9	2.9	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	0.2	346	17.6	8.2	8.2	31.9	31.9	119.2	119.2	9.4	9.4	4.6	4.6	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.7	0.2	318	17.6	8.2	8.2	31.9	31.9	119.1	119.2	9.4	9.4	4.7	4.7	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.2	342	17.6	8.1	8.1	32.0	32.0	116.2	116.2	9.2	9.2	2.7	2.7	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.2	344	17.6	8.1	8.1	32.0	32.0	116.2	116.2	9.2	9.2	2.7	2.7	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM6	Fine	Moderate	10:10	7.3	Surface	1.0	0.0	179	17.7	17.7	8.2	8.2	29.8	29.8	119.0	119.0	9.5	9.5	1.9	1.9	4	4	-	-	-	-	-	-	-	-	-	-			
						1.0	0.0	184	17.7	8.2	8.2	29.8	29.8	118.9	118.9	9.5	9.5	1.9	1.9	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	0.1	151	17.6	8.1	8.1	31.3	31.3	117.1	117.0	9.3	9.3	3.0	3.0	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.7	0.1	164	17.6	8.1	8.1	31.3	31.3	116.8	116.8	9.2	9.2	2.9	2.9	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.3	0.1	70	17.6	8.1	8.1	31.8	31.8	111.8	111.8	8.8	8.8	3.2	3.2	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.3	0.1	71	17.6	8.1	8.1	31.8	31.8	111.8	111.8	8.8	8.8	3.2	3.2	3	3</														

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

Water Quality Monitoring Results on 26 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Sunny	Moderate	10:33	7.2	Surface	1.0	0.3	46	17.9	17.9	8.3	8.3	28.3	28.4	117.2	117.1	9.4	9.3	1.1	3	-	-	-	-	822077	808816	-	-	-	-			
						1.0	0.3	46	17.9	8.3	8.3	28.4	28.4	116.9	117.1	9.4	9.3	1.1	3	-	-	-	-										
					Middle	3.6	0.3	36	17.7	17.7	8.3	8.3	28.8	28.8	114.3	114.1	9.2	9.1	3.5	3	-	-	-	-									
						3.6	0.3	39	17.7	17.7	8.3	8.3	28.8	28.8	113.8	114.1	9.1	9.1	3.5	3	-	-	-	-									
					Bottom	6.2	0.2	59	17.7	17.7	8.3	8.3	29.0	29.0	111.1	110.9	8.9	8.9	4.4	2	-	-	-	-									
						6.2	0.2	61	17.7	17.7	8.3	8.3	29.0	29.0	110.6	110.9	8.9	8.9	4.3	3	-	-	-	-									
IM10	Sunny	Moderate	10:39	7.6	Surface	1.0	0.3	73	17.8	17.8	8.3	8.3	28.7	28.7	115.7	115.5	9.3	9.1	1.0	4	-	-	-	-	822405	809776	-	-	-	-			
						1.0	0.3	78	17.8	17.8	8.3	8.3	28.7	28.7	115.2	115.5	9.2	9.1	1.0	3	-	-	-	-									
					Middle	3.8	0.2	88	17.7	17.7	8.3	8.3	29.4	29.4	110.9	110.7	8.9	8.9	2.2	3	-	-	-	-									
						3.8	0.2	96	17.7	17.7	8.3	8.3	29.5	29.5	110.5	110.7	8.8	8.8	2.2	4	-	-	-	-									
					Bottom	6.6	0.1	94	17.8	17.8	8.3	8.3	29.9	29.9	108.9	108.9	8.7	8.7	4.6	4	-	-	-	-									
						6.6	0.1	94	17.8	17.8	8.3	8.3	29.9	29.9	108.8	108.9	8.7	8.7	4.5	4	-	-	-	-									
IM11	Sunny	Moderate	10:49	8.0	Surface	1.0	0.1	86	17.7	17.7	8.3	8.3	29.9	29.9	114.8	114.7	9.1	9.1	1.2	5	-	-	-	-	822037	811464	-	-	-	-			
						1.0	0.1	90	17.7	17.7	8.3	8.3	30.0	30.0	114.6	114.7	9.1	9.1	1.1	4	-	-	-	-									
					Middle	4.0	0.1	83	17.7	17.7	8.3	8.3	30.0	30.0	113.2	113.1	9.0	9.0	2.2	4	-	-	-	-									
						4.0	0.1	91	17.7	17.7	8.3	8.3	30.0	30.0	113.0	113.1	9.0	9.0	2.1	3	-	-	-	-									
					Bottom	7.0	0.1	101	17.7	17.7	8.3	8.3	30.1	30.0	111.8	111.7	8.9	8.9	3.3	3	-	-	-	-									
						7.0	0.1	108	17.7	17.7	8.3	8.3	30.0	30.0	111.6	111.7	8.9	8.9	3.4	4	-	-	-	-									
IM12	Sunny	Moderate	10:54	9.1	Surface	1.0	0.1	116	17.7	17.7	8.3	8.3	30.0	30.0	116.3	116.3	9.3	9.3	1.0	6	-	-	-	-	821454	812049	-	-	-	-			
						1.0	0.1	124	17.7	17.7	8.3	8.3	30.0	30.0	116.2	116.3	9.3	9.3	1.1	5	-	-	-	-									
					Middle	4.6	0.1	151	17.7	17.7	8.3	8.3	30.1	30.1	115.3	115.2	9.2	9.3	3.8	5	-	-	-	-									
						4.6	0.1	158	17.7	17.7	8.3	8.3	30.1	30.1	115.1	115.2	9.2	9.3	3.8	5	-	-	-	-									
					Bottom	8.1	0.1	97	17.7	17.7	8.3	8.3	30.1	30.1	114.2	114.1	9.1	9.1	4.8	5	-	-	-	-									
						8.1	0.1	103	17.7	17.7	8.3	8.3	30.1	30.1	114.0	114.1	9.1	9.1	4.8	5	-	-	-	-									
SR1A	Sunny	Calm	11:30	5.2	Surface	1.0	-	-	17.8	17.8	8.3	8.3	30.0	30.0	111.6	111.6	8.9	8.9	2.2	4	-	-	-	-	819982	812659	-	-	-	-			
						1.0	-	-	17.8	17.8	8.3	8.3	30.0	30.0	111.6	111.6	8.9	8.9	2.4	4	-	-	-	-									
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	4.2	-	-	17.8	17.8	8.3	8.3	30.1	30.1	109.7	109.5	8.7	8.7	2.9	4	-	-	-	-									
						4.2	-	-	17.8	17.8	8.3	8.3	30.1	30.1	109.3	109.5	8.7	8.7	2.9	5	-	-	-	-									
SR2	Sunny	Calm	11:43	4.6	Surface	1.0	0.1	81	17.8	17.8	8.3	8.3	30.0	30.0	114.7	114.6	9.1	9.1	2.0	5	-	-	-	-	821444	814170	-	-	-	-			
						1.0	0.1	82	17.8	17.8	8.3	8.3	30.0	30.0	114.5	114.6	9.1	9.1	2.3	6	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.6	0.1	80	17.8	17.8	8.3	8.3	30.0	30.0	113.3	113.2	9.0	9.0	4.1	5	-	-	-	-									
						3.6	0.1	83	17.8	17.8	8.3	8.3	30.0	30.0	113.1	113.2	9.0	9.0	4.2	6	-	-	-	-									
SR3	Sunny	Moderate	10:28	8.7	Surface	1.0	0.1	144	17.8	17.8	8.3	8.3	28.5	28.5	118.6	118.6	9.5	9.5	1.2	6	-	-	-	-	822148	807570	-	-	-	-			
						1.0	0.1	149	17.8	17.8	8.3	8.3	28.6	28.5	118.5	118.6	9.5	9.5	1.2	6	-	-	-	-									
					Middle	4.4	0.1	145	17.7	17.7	8.3	8.3	28.8	28.8	118.0	118.0	9.5	9.5	4.4	4	-	-	-	-									
						4.4	0.1	155	17.7	17.7	8.3	8.3	28.8	28.8	117.9	118.0	9.5	9.5	4.4	4	-	-	-	-									
					Bottom	7.7	0.2	123	17.6	17.6	8.3	8.3	30.0	30.0	116.7	116.7	9.3	9.3	5.7	3	-	-	-	-									
						7.7	0.2	132	17.6	17.6	8.3	8.3	30.0	30.0	116.7	116.7	9.3	9.3	5.5	4	-	-	-	-									
SR4A	Fine	Calm	12:05	9.1	Surface	1.0	0.2	74	17.9	17.9	8.2	8.2	31.4	31.4	123.1	123.1	9.7	9.6	2.5	5	-	-	-	-	817201	807791	-	-	-	-			
						1.0	0.2	74	17.9	17.9	8.2	8.2	31.4	31.4	123.1	123.1	9.7	9.6	2.5	5	-	-	-	-									
					Middle	4.6	0.2	62	17.6	17.6	8.2	8.2	32.0	32.0	120.7	120.6	9.5	9.5	2.4	4	-	-	-	-									
						4.6	0.2	62	17.6	17.6	8.2	8.2	32.0	32.0	120.5	120.6	9.5	9.5	2.4	3	-	-	-	-									
					Bottom	8.1	0.2	70	17.6	17.6	8.2	8.2	32.0	32.0	119.5	119.5	9.4	9.4	2.1	3	-	-	-	-									
						8.1	0.2	75	17.6	17.6	8.2	8.2	32.0	32.0	119.4	119.5	9.4	9.4	2.1	2	-	-	-	-									
SR5A	Fine	Calm	12:21	3.3	Surface	1.0	0.1	231	18.1	18.1	8.2	8.2	32.0	32.0	118.1	118.1	9.2	9.2	3.6	5	-	-	-	-	816593	810673	-	-	-	-			
						1.0	0.1	232	18.1	18.1	8.2	8.2	32.0	32.0	118.0	118.1	9.2	9.2	3.6	4	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	2.3	0.1	195	18.0	18.0	8.1	8.1	32.1	32.1	110.2	110.1	8.6	8.6	3.6	3	-	-	-	-									
						2.3	0.1	210	18.0	18.0	8.1	8.1	32.1	32.1	109.9	110.1	8.6	8.6	3.6	4	-	-	-	-									
SR6A	Fine	Calm	13:06	4.2	Surface	1.0	0.0	115	18.0	18.0	8.2	8.2	31.6	31.6	116.2	116.2	9.1	9.1	5.9	8	-	-	-	-	817963	814716	-	-	-	-			
						1.0	0.0	123	18.0	18.0	8.2	8.2	31.6	31.6	116.1	116.2	9.1	9.1	5.9	8	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.2	0.1	82	17.9	17.9	8.2	8.2	31.7	31.7	110.8	110.8	8.7	8.7	6.1	8	-	-	-	-									
						3.2	0.1	82	17.9	17.9	8.2	8.2	31.7	31.7	110.7	110.8	8.7	8.7	6.0	9	-	-	-	-									
SR7	Sunny	Calm	12:29	18.6	Surface	1.0	0.2	60	17.3	17.3	8.3																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	12:30	7.9	Surface	1.0	0.0	223	17.8	17.8	8.3	8.3	30.7	30.8	121.7	121.5	9.6	9.3	2.0	2.3	7	6	-	-	815615	804264	-	-	-	-				
						1.0	0.0	240	17.7	17.5	8.3	8.3	30.8	31.3	121.3	114.1	9.6	9.1	2.0	2.6	6	5	-	-	-	-	-	-	-	-	-			
					Middle	4.0	0.1	80	17.5	17.5	8.3	8.3	31.3	31.3	114.1	114.1	9.1	9.0	2.6	2.6	5	6	-	-	-	-	-	-	-	-	-	-	-	
						4.0	0.1	80	17.5	17.5	8.3	8.3	31.3	31.3	114.0	114.3	9.1	9.1	2.6	2.6	5	6	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.9	0.1	190	17.5	17.5	8.2	8.2	31.3	31.3	114.2	114.3	9.1	9.1	2.5	2.4	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						6.9	0.1	197	17.5	17.5	8.2	8.2	31.3	31.3	114.3	114.3	9.1	9.1	2.4	2.4	5	5	-	-	-	-	-	-	-	-	-	-	-	-
C2	Fine	Moderate	11:16	11.6	Surface	1.0	0.1	255	18.2	18.2	8.4	8.4	27.7	27.7	127.1	127.0	10.2	9.9	1.3	2.2	5	5	-	-	825697	806922	-	-	-	-				
						1.0	0.1	274	18.2	18.0	8.4	8.3	27.7	28.8	126.9	120.1	10.1	9.6	1.3	2.2	6	5	-	-	-	-	-	-	-	-	-	-		
					Middle	5.8	0.3	51	18.0	18.0	8.3	8.3	28.7	28.8	120.3	120.1	9.6	9.5	2.3	2.3	5	5	-	-	-	-	-	-	-	-	-	-	-	
						5.8	0.3	51	18.0	18.0	8.3	8.3	28.8	29.5	119.9	117.1	9.5	9.3	2.3	3.1	6	5	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	10.6	0.4	66	18.0	18.0	8.3	8.3	29.5	29.5	117.2	117.1	9.3	9.3	3.1	3.0	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						10.6	0.4	68	18.0	18.0	8.3	8.3	29.5	29.5	117.0	117.0	9.3	9.3	3.0	3.0	5	5	-	-	-	-	-	-	-	-	-	-	-	-
C3	Fine	Moderate	13:23	12.4	Surface	1.0	0.4	69	18.5	18.5	8.3	8.3	29.6	29.6	119.5	119.6	9.4	9.3	1.1	1.2	7	6	-	-	822131	817809	-	-	-	-				
						1.0	0.4	71	18.4	18.0	8.3	8.3	29.6	29.8	119.6	114.4	9.4	9.1	1.2	1.3	6	6	-	-	-	-	-	-	-	-	-	-		
					Middle	6.2	0.4	75	18.0	18.0	8.3	8.3	29.8	29.8	114.4	114.4	9.1	9.1	1.3	1.3	6	6	-	-	-	-	-	-	-	-	-	-	-	
						6.2	0.4	80	18.0	18.0	8.3	8.3	29.8	29.8	114.3	114.3	9.1	9.1	1.3	1.3	6	6	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	11.4	0.3	63	17.7	17.7	8.2	8.2	30.3	30.3	107.9	108.0	8.6	8.6	1.2	1.2	6	6	-	-	-	-	-	-	-	-	-	-	-	
						11.4	0.3	69	17.7	17.7	8.2	8.2	30.3	30.3	108.0	108.0	8.6	8.6	1.2	1.2	6	6	-	-	-	-	-	-	-	-	-	-	-	
IM1	Cloudy	Moderate	12:09	4.6	Surface	1.0	0.1	213	18.1	18.1	8.3	8.3	30.9	30.9	120.8	120.7	9.5	9.5	1.5	1.5	6	5	-	-	817936	807142	-	-	-	-				
						1.0	0.1	219	18.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.6	0.1	224	17.9	17.9	8.3	8.3	31.0	31.0	118.5	118.4	9.3	9.3	2.8	2.6	5	4	-	-	-	-	-	-	-	-	-	-	-	
						3.6	0.1	241	17.9	17.9	8.3	8.3	31.0	31.0	118.2	118.2	9.3	9.3	2.6	2.6	4	4	-	-	-	-	-	-	-	-	-	-	-	
IM2	Cloudy	Moderate	12:00	6.8	Surface	1.0	0.1	53	17.9	17.9	8.3	8.3	30.6	30.6	122.0	121.9	9.6	9.6	2.4	2.4	6	5	-	-	818144	806163	-	-	-	-				
						1.0	0.1	57	17.9	17.9	8.3	8.3	30.6	30.6	121.8	121.2	9.6	9.6	2.4	2.5	5	6	-	-	-	-	-	-	-	-				
					Middle	3.4	0.1	90	17.9	17.9	8.3	8.3	30.5	30.6	121.2	121.2	9.6	9.6	2.5	2.3	6	7	-	-	-	-	-	-	-	-	-			
						3.4	0.1	96	17.9	17.9	8.3	8.3	30.6	30.6	121.1	121.1	9.6	9.6	2.3	2.3	7	7	-	-	-	-	-	-	-	-	-			
					Bottom	5.8	0.1	105	17.8	17.8	8.3	8.3	30.7	30.7	114.1	113.9	9.0	9.0	2.7	2.9	8	8	-	-	-	-	-	-	-	-	-	-		
						5.8	0.1	109	17.8	17.8	8.3	8.3	30.7	30.7	113.7	113.7	9.0	9.0	2.9	2.9	8	8	-	-	-	-	-	-	-	-	-			
IM3	Cloudy	Moderate	11:53	7.0	Surface	1.0	0.1	54	17.9	17.9	8.3	8.3	30.6	30.6	121.9	121.8	9.6	9.6	2.4	2.5	7	8	-	-	818807	805607	-	-	-	-				
						1.0	0.1	55	17.9	17.8	8.3	8.3	30.6	30.6	121.7	120.7	9.6	9.5	2.5	2.5	8	7	-	-	-	-	-	-	-					
					Middle	3.5	0.0	326	17.8	17.8	8.3	8.3	30.6	30.6	120.7	120.7	9.6	9.5	2.5	2.5	7	7	-	-	-	-	-	-	-	-				
						3.5	0.0	348	17.8	17.8	8.3	8.3	30.6	30.6	120.6	120.6	9.5	9.5	2.5	2.5	7	7	-	-	-	-	-	-	-	-				
					Bottom	6.0	0.0	246	17.8	17.8	8.3	8.3	30.6	30.6	117.8	117.6	9.3	9.3	2.8	2.6	5	6	-	-	-	-	-	-	-	-				
						6.0	0.0	249	17.8	17.8	8.3	8.3	30.6	30.6	117.4	117.4	9.3	9.3	2.6	2.6	6	6	-	-	-	-	-	-	-	-				
IM4	Cloudy	Moderate	11:43	8.1	Surface	1.0	0.1	343	17.9	17.9	8.3	8.3	30.6	30.6	122.2	122.2	9.7	9.7	2.0	2.2	6	7	-	-	819708	804612	-	-	-	-				
						1.0	0.1	316	17.8	17.7	8.3	8.3	30.6	30.6	122.1	120.8	9.7	9.6	2.2	2.3	7	7	-	-	-	-	-	-	-					
					Middle	4.1	0.1	12	17.7	17.7	8.3	8.3	30.6	30.6	120.9	120.8	9.6	9.6	2.3	2.3	7	7	-	-	-	-	-	-	-	-				
						4.1	0.2	12	17.7	17.7	8.3	8.3	30.6	30.6	120.7	120.8	9.6	9.6	2.3	2.3	7	7	-	-	-	-	-	-	-					
					Bottom	7.1	0.1	353	17.7	17.7	8.3	8.3	30.6	30.6	119.2	119.1	9.4	9.4	2.3	2.3	7	7	-	-	-	-	-	-	-	-				
						7.1	0.1	325	17.7	17.7	8.3	8.3	30.6	30.6	119.0	119.0	9.4	9.4	2.3	2.3	7	7	-	-	-	-	-	-	-					
IM5	Cloudy	Moderate	11:35	7.5	Surface	1.0	0.3	7	18.0	18.0	8.3	8.3	30.5	30.5	122.3	122.2	9.7	9.5	2.5	2.5	4	4	-	-	820732	804862	-	-	-	-				
						1.0	0.3	7	18.0	17.9	8.3	8.3	30.5	30.5	122.0	119.3	9.6	9.4	2.5	2.7	4	5	-	-	-	-	-	-						
					Middle	3.8	0.2	11	17.9	17.9	8.3	8.3	30.5	30.5	119.4	119.3	9.4	9.4	2.7	2.7	4	5	-	-	-	-	-	-						
						3.8	0.2	11	17.9	17.9	8.3	8.3	30.5	30.5	119.2	119.3	9.4	9.4	2.7	2.7	5	5	-	-	-	-	-	-						
					Bottom	6.5	0.1	12	17.9	17.9	8.3	8.3	30.5	30.5	117.0	116.8	9.3	9.3	2.3	2.3	6	6	-	-	-	-	-	-						
						6.5	0.2	12	17.9	17.9	8.3	8.3	30.5	30.5	116.5	116.8	9.2	9.2	2.3	2.3	7	7	-	-	-	-	-	-						
IM6	Cloudy	Moderate	11:27	7.3	Surface	1.0	0.1	295	17.9	17.9	8.3	8.3	29.4	29.5	121.1	120.9	9.6	9.5	0.1	0.1	6	5	-	-	821053	805841	-	-	-	-				
						1.0	0.1	303	17.9	17.9	8.3	8.3	29.5	29.5	120.7	118.2	9.6	9.4	0.1	0.8	5	6	-	-	-	-	-	-						

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

Water Quality Monitoring Results on 28 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	11:43	7.4	Surface	1.0	0.3	72	18.1	18.1	8.3	8.3	27.9	27.9	121.8	121.8	9.8	9.6	1.4	1.4	3	4	-	-	822115	808830	-	-	-	-							
						1.0	0.3	76	18.0	18.0	8.3	8.3	27.9	27.9	121.7	121.7	9.7	9.6	1.4	1.4	4	4	-	-													
						3.7	0.3	84	18.0	18.0	8.3	8.3	28.8	28.8	119.4	119.3	9.5	9.5	1.8	1.8	4	4	-	-													
					Middle	3.7	0.3	87	18.0	18.0	8.3	8.3	28.9	28.9	119.1	119.3	9.5	9.5	1.9	1.9	4	4	-	-													
						6.4	0.3	88	18.0	18.0	8.3	8.3	29.2	29.2	115.9	115.8	9.2	9.2	2.3	2.3	4	4	-	-													
						6.4	0.3	89	18.0	18.0	8.3	8.3	29.2	29.2	115.7	115.8	9.2	9.2	2.3	2.3	4	4	-	-													
					IM10	Fine	Moderate	11:50	7.0	Surface	1.0	0.5	72	18.2	18.2	8.3	8.3	27.6	27.6	123.7	123.6	9.9	9.9	1.0			1.0	5	4	-	-	822389	809813	-	-	-	-
											1.0	0.5	73	18.2	18.2	8.3	8.3	27.6	27.6	123.5	123.6	9.9	9.9	1.0			1.0	4	4	-	-						
											3.5	0.4	75	18.0	18.0	8.3	8.3	28.1	28.1	118.7	118.6	9.5	9.5	1.3			1.3	3	4	-	-						
Middle	3.5	0.4	78	18.0						18.0	8.3	8.3	28.1	28.1	118.4	118.6	9.5	9.5	1.4	1.4	4	4	-	-													
	6.0	0.1	94	18.1						18.1	8.3	8.3	29.2	29.2	116.6	116.5	9.2	9.2	1.4	1.4	4	4	-	-													
	6.0	0.1	102	18.1						18.1	8.3	8.3	29.2	29.2	116.4	116.5	9.2	9.2	1.4	1.4	3	4	-	-													
IM11	Fine	Moderate	12:01	8.9						Surface	1.0	0.2	120	18.1	18.1	8.3	8.3	29.4	29.4	118.2	118.1	9.4	9.4	1.5	1.4	3	4	-	-	822061	811474			-	-	-	-
											1.0	0.2	123	18.1	18.1	8.3	8.3	29.4	29.4	118.0	118.1	9.4	9.4	1.4	1.4	2	4	-	-								
											4.5	0.2	115	18.1	18.1	8.3	8.3	29.4	29.4	117.0	117.0	9.3	9.3	1.3	1.3	4	4	-	-								
					Middle	4.5	0.2	116	18.1	18.1	8.3	8.3	29.4	29.4	116.9	117.0	9.3	9.3	1.3	1.3	3	4	-	-													
						7.9	0.2	104	18.1	18.1	8.3	8.3	29.4	29.4	114.6	114.5	9.1	9.1	1.3	1.3	5	4	-	-													
						7.9	0.2	108	18.1	18.1	8.3	8.3	29.4	29.4	114.4	114.5	9.1	9.1	1.4	1.4	5	4	-	-													
					IM12	Fine	Moderate	12:08	9.3	Surface	1.0	0.1	92	18.4	18.4	8.3	8.3	29.4	29.4	121.2	121.2	9.6	9.6	1.4	1.4	7	6	-	-			821473	812061	-	-	-	-
											1.0	0.2	101	18.4	18.4	8.3	8.3	29.4	29.4	121.1	121.1	9.6	9.6	1.4	1.4	6	5	-	-								
											4.7	0.1	127	18.2	18.2	8.3	8.3	29.4	29.4	119.8	119.8	9.5	9.5	1.3	1.3	4	4	-	-								
Middle	4.7	0.1	128	18.2						18.2	8.3	8.3	29.4	29.4	119.8	119.8	9.5	9.5	1.3	1.3	4	4	-	-													
	8.3	0.1	109	18.1						18.1	8.3	8.3	29.4	29.4	117.4	117.3	9.3	9.3	1.3	1.3	4	4	-	-													
	8.3	0.2	113	18.1						18.1	8.3	8.3	29.4	29.4	117.2	117.3	9.3	9.3	1.3	1.3	4	4	-	-													
SR1A	Fine	Calm	12:46	4.8						Surface	1.0	-	-	18.4	18.4	8.3	8.3	29.3	29.3	117.1	116.9	9.2	9.2	1.7	1.7	3	3	-	-	819977	812659			-	-	-	-
											1.0	-	-	18.4	18.4	8.3	8.3	29.4	29.4	116.7	116.9	9.2	9.2	1.7	1.7	3	3	-	-								
											2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
						3.8	-	-	18.3	18.3	8.3	8.3	29.5	29.5	114.3	114.2	9.0	9.0	1.9	1.9	3	3	-	-													
						3.8	-	-	18.3	18.3	8.3	8.3	29.5	29.5	114.1	114.2	9.0	9.0	1.9	1.9	3	3	-	-													
					SR2	Fine	Moderate	13:03	4.5	Surface	1.0	0.2	76	18.2	18.2	8.3	8.3	29.4	29.4	121.0	121.1	9.6	9.6	1.4	1.4	4	3	-	-			821443	814185	-	-	-	-
											1.0	0.2	79	18.2	18.2	8.3	8.3	29.4	29.4	121.1	121.0	9.6	9.6	1.4	1.4	3	3	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
	3.5	0.2	82	18.2						18.2	8.3	8.3	29.4	29.4	121.5	121.5	9.6	9.6	1.6	1.6	3	3	-	-													
	3.5	0.2	89	18.2						18.2	8.3	8.3	29.4	29.4	121.4	121.5	9.6	9.6	1.7	1.7	2	3	-	-													
SR3	Fine	Moderate	11:32	9.1						Surface	1.0	0.0	209	18.1	18.1	8.3	8.3	27.8	27.9	123.5	123.5	9.9	9.9	1.3	1.3	4	4	-	-	822139	807593			-	-	-	-
											1.0	0.0	215	18.1	18.1	8.3	8.3	27.9	27.9	123.5	123.5	9.9	9.9	1.3	1.3	4	4	-	-								
											4.6	0.1	103	18.1	18.1	8.3	8.3	28.4	28.5	121.3	121.2	9.7	9.7	2.2	2.2	4	4	-	-								
					Middle	4.6	0.1	105	18.1	18.1	8.3	8.3	28.5	28.5	121.0	121.2	9.6	9.6	2.3	2.3	4	4	-	-													
						8.1	0.2	89	18.0	18.0	8.3	8.3	29.3	29.3	117.7	117.6	9.4	9.4	3.6	3.6	3	4	-	-													
						8.1	0.3	89	18.0	18.0	8.3	8.3	29.3	29.3	117.5	117.6	9.3	9.3	3.6	3.6	3	4	-	-													
					SR4A	Cloudy	Moderate	12:53	9.3	Surface	1.0	0.2	84	18.0	18.0	8.3	8.3	30.5	30.5	122.3	122.2	9.7	9.6	2.3	2.3	8	7	-	-			817182	807815	-	-	-	-
											1.0	0.2	84	17.9	17.9	8.3	8.3	30.6	30.6	122.0	120.5	9.6	9.6	2.3	2.3	8	7	-	-								
											4.7	0.2	71	17.9	17.9	8.3	8.3	30.6	30.6	120.5	120.5	9.5	9.5	2.0	2.0	7	7	-	-								
Middle	4.7	0.2	74	17.9						17.9	8.3	8.3	30.6	30.6	120.4	120.5	9.5	9.5	2.0	2.0	7	7	-	-													
	8.3	0.2	70	17.8						17.8	8.3	8.3	30.6	30.6	118.4	118.4	9.4	9.4	2.0	2.0	5	5	-	-													
	8.3	0.2	74	17.8						17.8	8.3	8.3	30.6	30.6	118.3	118.4	9.4	9.4	1.9	1.9	6	6	-	-													
SR5A	Cloudy	Calm	13:09	3.2						Surface	1.0	0.0	342	18.9	18.9	8.3	8.3	30.9	30.9	121.8	121.7	9.4	9.4	1.4	1.4	4	5	-	-	816601	810693			-	-	-	-
											1.0	0.0	315	18.9	18.9	8.3	8.3	30.9	30.9	121.6	121.7	9.4	9.4	1.4	1.4	5	5	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						2.2	0.1	89	18.9	18.9	8.3	8.3	30.8	30.8	120.4	120.3	9.3	9.3	1.2	1.2	4	4	-	-													
						2.2	0.1	90	18.9	18.9	8.3	8.3	30.8	30.8	120.2	120.3	9.3	9.3	1.3	1.3	5	5	-	-													
					SR6A	Cloudy	Calm	13:39	4.2	Surface	1.0	0.0	204	18.3	18.3	8.4	8.4	30.7	30.7	120.5	120.5	9.4	9.4	1.3	1.3	7	7	-	-			817979	814740	-	-	-	-
											1.0	0.0	223	18.3	18.3	8.4	8.4	30.7	30.7	120.4	120.5	9.4	9.4	1.3	1.3	7	7	-	-								
											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
Middle	-	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
	3.2	0.0	250	18.2						18.2	8.4	8.4	30.8	30.8	119.5	119.5	9.4	9.4	1.2	1.2	6	6	-	-													
	3.2	0.0	270	18.2						18.2	8.4	8.4	30.8	30.8	119.4	119.5	9.4	9.4	1.2	1.2	6	6	-	-													
SR7	Fine	Moderate	13:51	15.6						Surface	1.0	0.5	60																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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		
C1	Cloudy	Calm	08:32	7.8	Surface	1.0	0.4	52	17.7	8.4	8.4	30.5	30.5	118.1	117.9	9.4	9.3	3.2	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						1.0	0.4	54	17.7	8.4	8.4	30.6	30.6	117.7	117.9	9.3	9.3	3.4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.9	0.4	40	17.6	8.4	8.4	30.9	30.9	116.3	116.2	9.2	9.2	5.6	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.9	0.4	41	17.6	8.4	8.4	30.9	30.9	116.1	116.1	9.2	9.2	5.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	6.8	0.3	26	17.6	8.4	8.4	31.0	31.0	115.4	115.4	9.2	9.2	8.8	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						6.8	0.3	27	17.6	8.4	8.4	31.0	31.0	115.4	115.4	9.1	9.1	8.9	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
C2	Cloudy	Moderate	09:29	11.8	Surface	1.0	0.3	358	18.0	8.3	8.3	27.7	27.7	121.9	121.8	9.8	9.6	1.5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						1.0	0.3	329	18.0	8.3	8.3	27.7	27.7	121.7	121.7	9.8	9.6	1.5	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	5.9	0.3	359	17.9	8.3	8.3	27.9	28.0	118.3	118.1	9.5	9.5	1.7	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						5.9	0.3	330	17.9	8.3	8.3	28.0	28.0	117.8	117.8	9.4	9.1	1.8	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	10.8	0.2	33	17.9	8.3	8.3	28.6	28.8	114.4	114.4	9.1	9.1	3.3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						10.8	0.2	33	17.9	8.3	8.3	28.6	28.6	114.4	114.4	9.1	9.1	3.4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
C3	Cloudy	Moderate	07:17	10.7	Surface	1.0	0.5	286	18.0	8.3	8.3	29.4	29.4	114.7	114.9	9.1	9.0	1.6	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						1.0	0.5	291	18.0	8.3	8.3	29.4	29.4	114.7	114.9	9.1	9.1	1.6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Middle	5.4	0.5	288	18.0	8.2	8.2	29.7	29.7	112.6	112.6	8.9	8.9	2.2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						5.4	0.5	288	17.9	8.2	8.2	29.7	29.7	112.5	112.5	8.9	8.9	2.2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	9.7	0.4	285	17.9	8.2	8.2	29.8	29.8	110.9	110.8	8.8	8.8	7.0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						9.7	0.4	294	17.9	8.2	8.2	29.8	29.8	110.7	110.7	8.8	8.8	7.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM1	Cloudy	Calm	08:52	4.6	Surface	1.0	0.1	1	17.7	8.3	8.3	30.9	30.9	115.5	115.4	9.1	9.1	0.5	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						1.0	0.1	1	17.7	8.3	8.3	30.9	30.9	115.3	115.3	9.1	9.1	0.6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.6	0.1	5	17.7	8.4	8.4	30.9	30.9	113.8	113.8	9.0	9.0	1.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.6	0.2	5	17.7	8.4	8.4	30.9	30.9	113.7	113.7	9.0	9.0	1.1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
IM2	Cloudy	Moderate	09:00	6.5	Surface	1.0	0.2	11	17.9	8.3	8.3	30.4	30.4	119.0	119.0	9.4	9.4	5.2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						1.0	0.2	11	17.9	8.3	8.3	30.4	30.4	118.9	118.9	9.4	9.4	5.2	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.3	0.2	3	17.9	8.3	8.3	30.4	30.4	118.1	118.0	9.3	9.3	5.9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.3	0.2	3	17.9	8.3	8.3	30.4	30.4	117.9	117.9	9.3	9.3	6.0	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	5.5	0.1	343	17.9	8.3	8.3	30.5	30.5	116.7	116.7	9.2	9.2	5.9	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						5.5	0.1	316	17.9	8.3	8.3	30.5	30.5	116.6	116.6	9.2	9.2	6.0	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
IM3	Cloudy	Moderate	09:07	6.8	Surface	1.0	0.2	350	17.8	8.3	8.3	30.4	30.4	118.5	118.5	9.4	9.4	4.6	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						1.0	0.2	352	17.8	8.3	8.3	30.4	30.4	118.4	118.4	9.4	9.4	4.6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	3.4	0.2	355	17.8	8.3	8.3	30.4	30.4	117.4	117.3	9.3	9.3	5.1	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.4	0.2	327	17.8	8.3	8.3	30.4	30.4	117.2	117.2	9.3	9.3	5.2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	5.8	0.2	339	17.8	8.3	8.3	30.4	30.4	116.0	116.0	9.2	9.2	5.6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						5.8	0.2	312	17.8	8.3	8.3	30.4	30.4	115.9	115.9	9.2	9.2	5.5	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
IM4	Cloudy	Moderate	09:16	8.0	Surface	1.0	0.4	353	17.8	8.3	8.3	30.3	30.3	116.8	116.8	9.3	9.3	3.4	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						1.0	0.4	325	17.8	8.3	8.3	30.3	30.3	116.8	116.8	9.3	9.3	3.4	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	4.0	0.4	354	17.8	8.3	8.3	30.3	30.3	116.2	116.2	9.2	9.2	3.7	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						4.0	0.4	326	17.8	8.3	8.3	30.3	30.3	116.1	116.1	9.2	9.2	3.7	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	7.0	0.3	352	17.8	8.3	8.3	30.3	30.3	115.4	115.3	9.2	9.2	4.4	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						7.0	0.4	324	17.8	8.3	8.3	30.3																															

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

Water Quality Monitoring Results on 28 January 21 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Cloudy	Moderate	08:57	7.2	Surface	1.0	0.0	223	18.0	18.0	8.3	8.3	28.3	28.3	117.4	117.4	9.4	9.4	1.7	6	-	-	-	-	822075	808824	-	-	-	-			
						1.0	0.0	228	18.0	18.0	8.3	8.3	28.3	28.3	117.3	117.3	9.4	9.4	1.7	6	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	3.6	0.0	312	18.0	18.0	8.3	8.3	28.4	28.4	116.7	116.7	9.3	9.3	1.7	7	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.6	0.0	330	18.0	18.0	8.3	8.3	28.4	28.4	116.6	116.6	9.3	9.3	1.7	6	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.2	0.1	285	18.0	18.0	8.3	8.3	28.5	28.5	115.2	115.2	9.2	9.2	1.5	7	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.2	0.1	309	18.0	18.0	8.3	8.3	28.5	28.5	115.1	115.1	9.2	9.2	1.6	6	-	-	-	-	-	-	-	-	-	-	-	-	-
IM10	Cloudy	Moderate	08:50	7.4	Surface	1.0	0.4	322	18.1	18.1	8.3	8.3	29.0	29.0	117.9	117.9	9.4	9.4	2.1	7	-	-	-	-	822408	809780	-	-	-	-			
						1.0	0.4	343	18.1	18.1	8.3	8.3	29.0	29.0	117.9	117.9	9.4	9.4	2.1	6	-	-	-	-	-	-	-	-	-	-	-		
					Middle	3.7	0.4	322	18.0	18.0	8.3	8.3	29.0	29.0	116.8	116.8	9.3	9.3	2.4	6	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.4	335	18.0	18.0	8.3	8.3	29.0	29.0	116.8	116.8	9.3	9.3	2.3	6	-	-	-	-	-	-	-	-	-	-	-	-	-
						6.4	0.4	333	18.0	18.0	8.3	8.3	29.0	29.0	115.6	115.6	9.2	9.2	3.1	6	-	-	-	-	-	-	-	-	-	-	-	-	
						6.4	0.4	355	18.0	18.0	8.3	8.3	29.0	29.0	115.5	115.5	9.2	9.2	3.1	5	-	-	-	-	-	-	-	-	-	-	-	-	
IM11	Cloudy	Moderate	08:40	7.5	Surface	1.0	0.6	311	18.1	18.1	8.3	8.3	29.4	29.4	116.4	116.4	9.2	9.2	1.9	6	-	-	-	-	822076	811439	-	-	-	-			
						1.0	0.6	326	18.1	18.1	8.3	8.3	29.4	29.4	116.3	116.3	9.2	9.2	1.9	5	-	-	-	-	-	-	-	-	-	-			
					Middle	3.8	0.5	316	18.1	18.1	8.3	8.3	29.5	29.5	115.1	115.1	9.1	9.1	2.0	6	-	-	-	-	-	-	-	-	-	-	-	-	
						3.8	0.5	325	18.1	18.1	8.3	8.3	29.5	29.5	115.0	115.0	9.1	9.1	2.0	5	-	-	-	-	-	-	-	-	-	-	-	-	
						6.5	0.4	319	18.1	18.1	8.3	8.3	29.5	29.5	113.1	113.0	9.0	9.0	2.2	5	-	-	-	-	-	-	-	-	-	-	-		
						6.5	0.4	337	18.1	18.1	8.3	8.3	29.5	29.5	112.9	112.9	8.9	8.9	2.2	6	-	-	-	-	-	-	-	-	-	-	-		
IM12	Cloudy	Moderate	08:34	9.1	Surface	1.0	0.5	312	18.1	18.1	8.3	8.3	29.4	29.4	117.2	117.2	9.3	9.3	2.2	5	-	-	-	-	821458	812064	-	-	-	-			
						1.0	0.5	316	18.1	18.1	8.3	8.3	29.4	29.4	117.2	117.2	9.3	9.3	2.2	6	-	-	-	-	-	-	-	-	-				
					Middle	4.6	0.5	315	18.1	18.1	8.3	8.3	29.4	29.4	116.4	116.4	9.2	9.2	3.6	5	-	-	-	-	-	-	-	-	-	-	-		
						4.6	0.5	334	18.1	18.1	8.3	8.3	29.4	29.4	116.3	116.3	9.2	9.2	3.4	6	-	-	-	-	-	-	-	-	-	-			
						8.1	0.4	308	18.0	18.0	8.3	8.3	29.4	29.4	114.9	114.9	9.1	9.1	4.4	7	-	-	-	-	-	-	-	-	-	-			
						8.1	0.4	334	18.0	18.0	8.3	8.3	29.4	29.4	114.8	114.8	9.1	9.1	4.3	6	-	-	-	-	-	-	-	-	-	-			
SR1A	Cloudy	Calm	07:55	4.7	Surface	1.0	-	-	18.1	18.1	8.3	8.3	29.3	29.3	111.0	110.9	8.8	8.8	1.2	6	-	-	-	-	819981	812657	-	-	-	-			
						1.0	-	-	18.1	18.1	8.3	8.3	29.3	29.3	110.8	110.8	8.8	8.8	1.2	7	-	-	-	-	-	-	-	-	-				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						3.7	-	-	18.1	18.1	8.3	8.3	29.5	29.5	109.0	109.0	8.6	8.6	1.3	4	-	-	-	-	-	-	-	-	-	-			
						3.7	-	-	18.0	18.0	8.3	8.3	29.5	29.5	108.9	108.9	8.6	8.6	1.3	5	-	-	-	-	-	-	-	-	-	-			
SR2	Cloudy	Moderate	07:38	4.3	Surface	1.0	0.2	171	18.0	18.1	8.3	8.3	29.4	29.4	115.9	115.9	9.2	9.2	2.4	5	-	-	-	-	821476	814153	-	-	-	-			
						1.0	0.3	177	18.1	18.1	8.3	8.3	29.4	29.4	115.8	115.8	9.2	9.2	2.3	6	-	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						3.3	0.2	178	18.1	18.1	8.3	8.3	29.5	29.5	114.1	114.1	9.1	9.1	2.8	6	-	-	-	-	-	-	-	-	-				
						3.3	0.2	183	18.1	18.1	8.3	8.3	29.5	29.5	114.0	114.0	9.0	9.0	2.8	6	-	-	-	-	-	-	-	-	-				
SR3	Cloudy	Moderate	09:09	8.9	Surface	1.0	0.1	346	18.1	18.1	8.3	8.3	27.7	27.7	122.7	122.7	9.8	9.8	1.4	4	-	-	-	-	822162	807547	-	-	-	-			
						1.0	0.1	358	18.1	18.1	8.3	8.3	27.7	27.7	122.6	122.6	9.8	9.8	1.4	3	-	-	-	-	-	-	-	-					
					Middle	4.5	0.1	42	18.0	18.0	8.3	8.3	27.8	27.8	120.7	120.7	9.7	9.7	1.5	5	-	-	-	-	-	-	-	-	-				
						4.5	0.1	43	18.0	18.0	8.3	8.3	27.8	27.8	120.6	120.6	9.7	9.7	1.5	6	-	-	-	-	-	-	-	-					
						7.9	0.1	51	18.0	18.0	8.3	8.3	27.8	27.8	117.8	117.6	9.4	9.4	1.5	5	-	-	-	-	-	-	-	-					
						7.9	0.1	54	18.0	18.0	8.3	8.3	27.8	27.8	117.4	117.4	9.4	9.4	1.5	6	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Calm	08:09	8.9	Surface	1.0	0.2	69	18.2	18.2	8.3	8.3	30.8	30.8	112.6	112.6	8.8	8.8	0.2	4	-	-	-	-	817171	807814	-	-	-	-			
						1.0	0.2	73	18.2	18.2	8.3	8.3	30.8	30.8	112.6	112.6	8.8	8.8	0.2	5	-	-	-	-	-	-	-						
					Middle	4.5	0.1	82	18.2	18.2	8.3	8.3	30.8	30.8	112.2	112.2	8.8	8.8	0.2	5	-	-	-	-	-	-	-	-					
						4.5	0.1	83	18.2	18.2	8.3	8.3	30.8	30.8	112.1	112.1	8.8	8.8	0.2	4	-	-	-	-	-	-	-						
						7.9	0.1	52	18.2	18.2	8.3	8.3	30.8	30.8	111.7	111.7	8.8	8.8	0.2	5	-	-	-	-	-	-							
						7.9	0.1	55	18.2	18.2	8.3	8.3	30.8	30.8	111.7	111.7	8.8	8.8	0.2	5	-	-	-	-	-	-							
SR5A	Cloudy	Calm	07:50	3.1	Surface	1.0	0.1	264	18.2	18.2	8.3	8.3	30.9	30.9	110.0	110.0	8.6	8.6	0.4	4	-	-	-	-	816599	810686	-	-	-	-			
						1.0	0.1	284	18.2	18.2	8.3	8.3	30.9	30.9	109.9	109.9	8.6	8.6	0.4	3	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.1	0.1	281	18.1	18.1	8.3	8.3	30.9	30.9	109.2	109.2	8.6	8.6	3.6	6	-	-	-	-	-	-							
						2.1	0.1	285	18.1	18.1	8.3	8.3	30.9	30.9	109.1	109.1	8.6	8.6	4.0	5	-	-	-</										

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

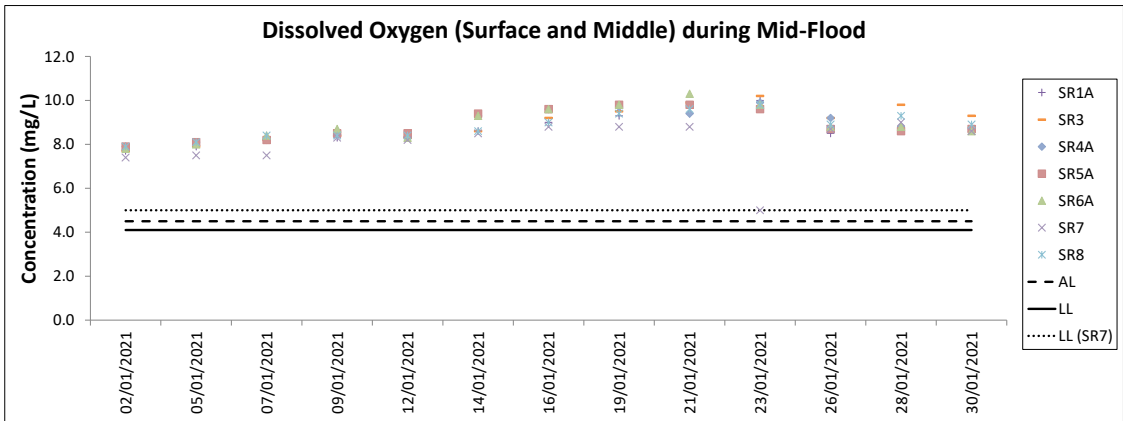
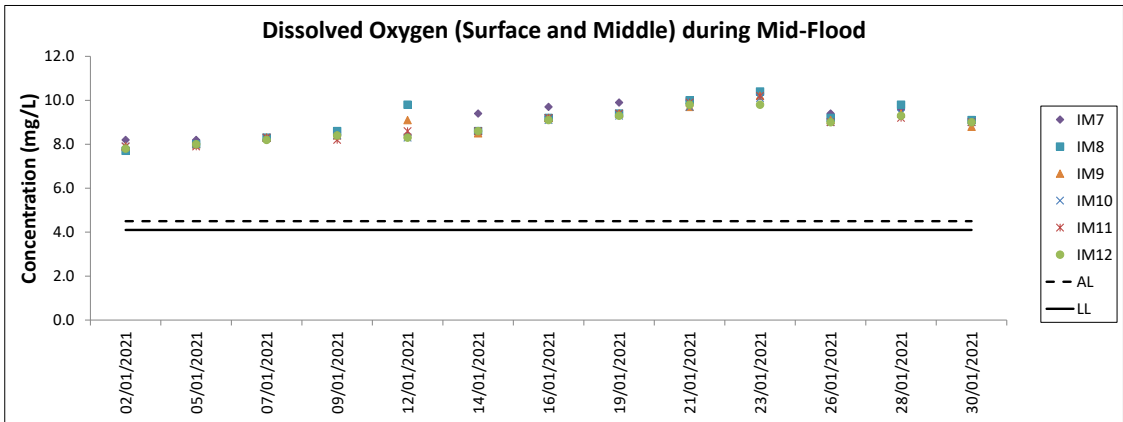
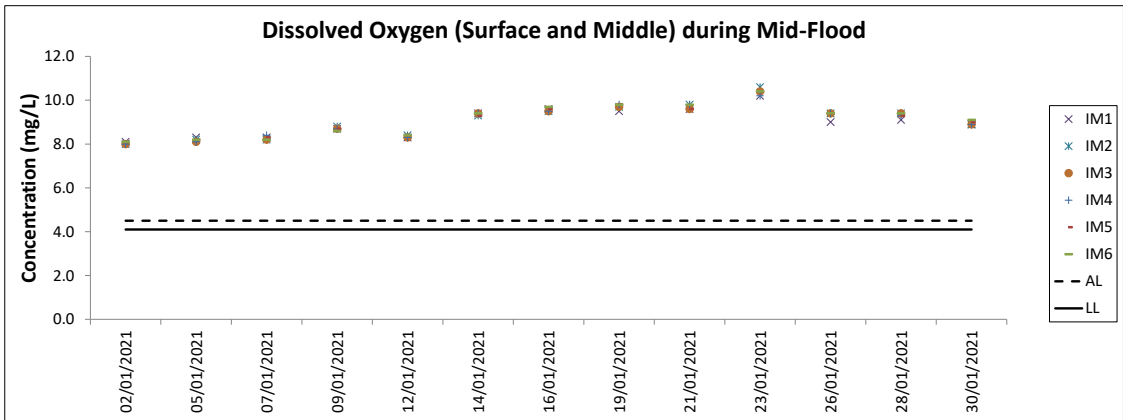
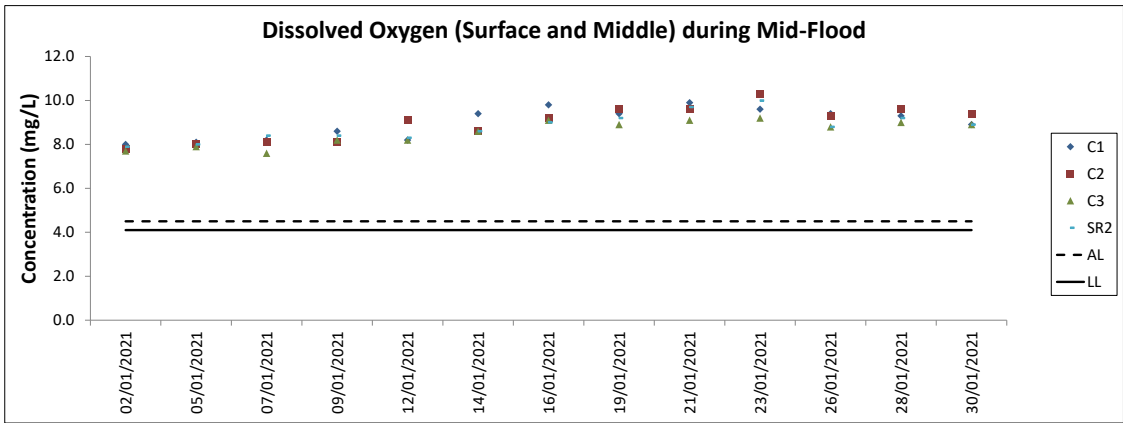
Water Quality Monitoring Results on 30 January 21 during Mid-Ebb Tide

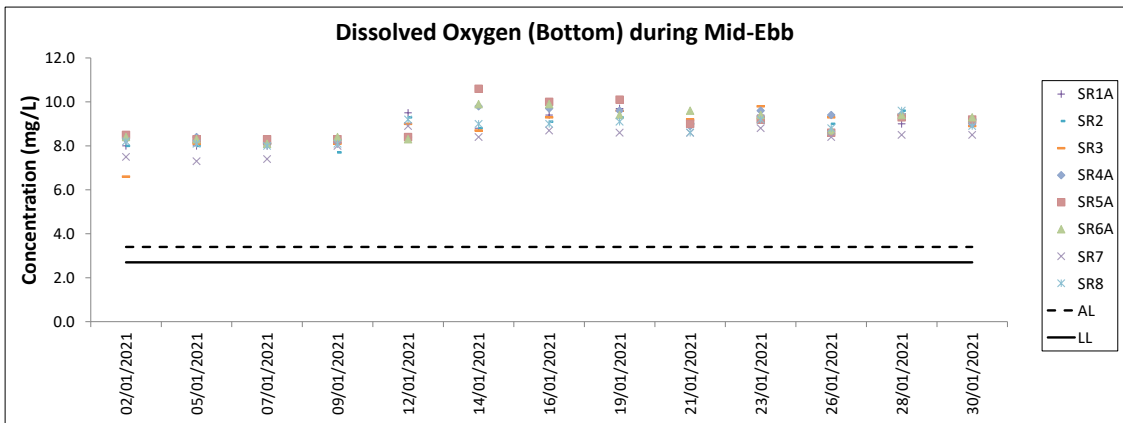
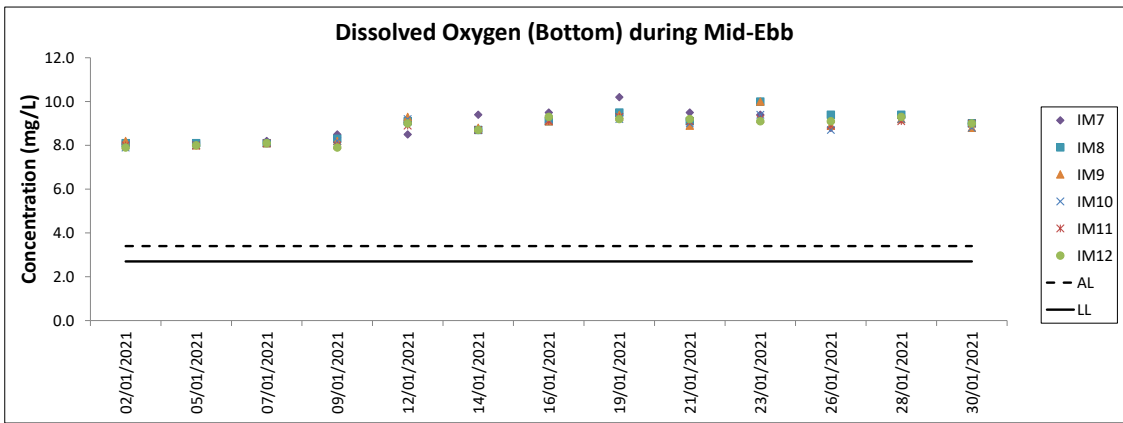
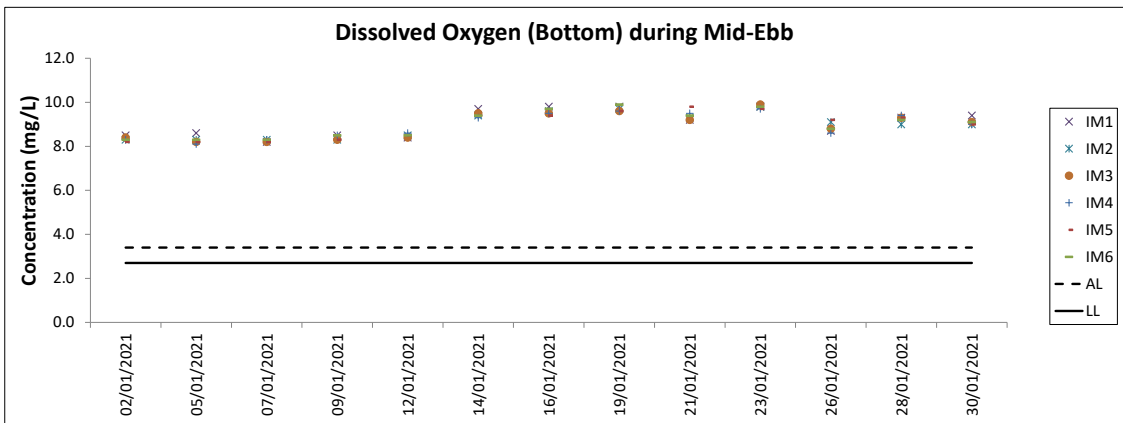
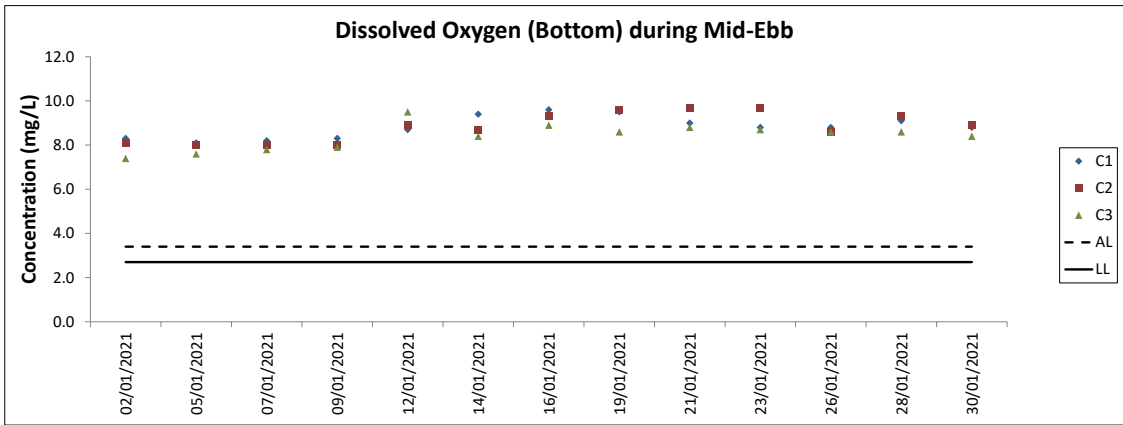
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)		Current Direction		Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
						Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	
						Value	Average	Value	Average	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
C1	Fine	Moderate	13:42	8.7	Surface	1.0	0.2	139	17.8	17.8	8.3	8.3	32.1	32.1	118.9	118.7	9.3	9.3	3.5	3.5	6	6	-	-	815631	804236	-	-	-	-				
						1.0	0.2	148	17.8	17.8	8.3	8.3	32.1	32.1	118.5	118.7	9.3	9.3	3.4	3.4	5	5	-	-	-	-	-	-	-	-	-	-		
						4.4	0.2	162	17.6	17.6	8.3	8.3	32.3	32.3	115.7	115.7	9.1	9.1	3.4	3.4	6	6	-	-	-	-	-	-	-	-	-	-		
					Middle	4.4	0.2	178	17.6	17.6	8.3	8.3	32.3	32.3	115.7	115.7	9.1	9.1	3.5	3.5	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						7.7	0.2	188	17.4	17.4	8.3	8.3	32.5	32.5	112.0	112.1	8.8	8.8	4.8	4.8	7	7	-	-	-	-	-	-	-	-	-	-	-	-
						7.7	0.2	192	17.4	17.4	8.3	8.3	32.5	32.5	112.2	112.2	8.8	8.8	5.1	5.1	6	6	-	-	-	-	-	-	-	-	-	-	-	-
C2	Cloudy	Moderate	12:35	12.5	Surface	1.0	0.2	135	18.2	18.2	8.3	8.3	28.7	28.7	121.1	121.1	9.6	9.6	0.4	0.4	4	4	-	-	825697	806968	-	-	-	-				
						1.0	0.2	147	18.2	18.2	8.3	8.3	28.7	28.7	121.0	121.0	9.6	9.6	0.4	0.4	5	5	-	-	-	-	-	-	-	-	-	-		
						6.3	0.5	154	17.9	17.9	8.3	8.3	29.3	29.3	114.9	114.7	9.1	9.1	2.0	2.0	4	4	-	-	-	-	-	-	-	-	-	-		
					Middle	6.3	0.5	160	17.9	17.9	8.3	8.3	29.4	29.4	114.4	114.4	9.1	9.1	2.2	2.2	4	4	-	-	-	-	-	-	-	-	-	-	-	-
						11.5	0.5	144	17.8	17.8	8.3	8.3	29.7	29.7	112.2	112.2	8.9	8.9	2.6	2.6	3	3	-	-	-	-	-	-	-	-	-	-	-	
						11.5	0.5	154	17.8	17.8	8.3	8.3	29.7	29.7	112.1	112.1	8.9	8.9	2.6	2.6	3	3	-	-	-	-	-	-	-	-	-	-	-	
C3	Cloudy	Moderate	14:31	12.5	Surface	1.0	0.4	286	18.1	18.1	8.3	8.3	29.8	29.8	120.3	120.3	9.5	9.5	0.5	0.5	4	4	-	-	822105	817800	-	-	-	-				
						1.0	0.4	298	18.1	18.1	8.3	8.3	29.8	29.8	120.3	120.3	9.5	9.5	0.5	0.5	3	3	-	-	-	-	-	-	-	-	-	-		
						6.3	0.2	257	17.7	17.7	8.2	8.2	30.4	30.4	105.8	105.8	8.4	8.4	0.6	0.6	3	3	-	-	-	-	-	-	-	-	-	-		
					Middle	6.3	0.2	262	17.7	17.7	8.2	8.2	30.4	30.4	105.7	105.7	8.4	8.4	0.6	0.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-
						11.5	0.1	120	17.7	17.7	8.2	8.2	30.4	30.4	105.5	105.6	8.4	8.4	1.8	1.8	5	5	-	-	-	-	-	-	-	-	-	-	-	
						11.5	0.1	122	17.7	17.7	8.2	8.2	30.4	30.4	105.6	105.6	8.4	8.4	1.8	1.8	6	6	-	-	-	-	-	-	-	-	-	-	-	
IM1	Fine	Moderate	13:21	5.2	Surface	1.0	0.1	162	17.8	17.8	8.4	8.4	31.2	31.2	119.0	119.2	9.4	9.4	3.8	3.8	8	8	-	-	817960	807114	-	-	-	-				
						1.0	0.1	168	17.8	17.8	8.4	8.4	31.2	31.2	119.3	119.3	9.4	9.4	3.8	3.8	7	7	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						4.2	0.1	219	17.8	17.8	8.4	8.4	31.6	31.5	119.8	119.7	9.4	9.4	4.3	4.3	6	6	-	-	-	-	-	-	-	-	-	-		
						4.2	0.1	236	17.8	17.8	8.4	8.4	31.5	31.5	119.6	119.6	9.4	9.4	4.3	4.3	6	6	-	-	-	-	-	-	-	-	-	-		
IM2	Fine	Moderate	13:13	7.1	Surface	1.0	0.1	184	17.9	17.9	8.4	8.4	31.2	31.3	117.7	117.7	9.3	9.3	4.7	4.7	6	6	-	-	818146	806182	-	-	-	-				
						1.0	0.1	193	17.9	17.9	8.4	8.4	31.3	31.3	117.7	117.7	9.3	9.3	4.7	4.7	7	7	-	-	-	-	-	-	-	-				
						3.6	0.1	165	17.7	17.7	8.4	8.4	31.5	31.5	116.7	116.7	9.2	9.2	4.1	4.1	6	6	-	-	-	-	-	-	-	-				
					Middle	3.6	0.1	175	17.7	17.7	8.4	8.4	31.5	31.5	116.6	116.6	9.2	9.2	4.1	4.1	5	5	-	-	-	-	-	-	-	-	-	-		
						6.1	0.1	154	17.6	17.6	8.4	8.4	31.6	31.6	114.4	114.4	9.0	9.0	4.2	4.2	5	5	-	-	-	-	-	-	-	-	-			
						6.1	0.1	157	17.6	17.6	8.4	8.4	31.6	31.6	114.4	114.4	9.0	9.0	4.2	4.2	6	6	-	-	-	-	-	-	-	-	-			
IM3	Fine	Moderate	13:06	7.3	Surface	1.0	0.1	50	17.9	17.9	8.4	8.4	31.3	31.3	118.7	118.7	9.3	9.3	4.5	4.5	6	6	-	-	818789	805596	-	-	-	-				
						1.0	0.1	50	17.9	17.9	8.4	8.4	31.3	31.3	118.7	118.7	9.3	9.3	4.4	4.4	6	6	-	-	-	-	-	-	-					
						3.7	0.1	69	17.8	17.8	8.4	8.4	31.3	31.3	118.2	118.2	9.3	9.3	4.4	4.4	7	7	-	-	-	-	-	-	-					
					Middle	3.7	0.1	75	17.8	17.8	8.4	8.4	31.3	31.3	118.1	118.1	9.3	9.3	4.5	4.5	6	6	-	-	-	-	-	-	-	-	-			
						6.3	0.1	253	17.6	17.6	8.4	8.4	31.7	31.7	115.7	115.8	9.1	9.1	3.9	3.9	9	9	-	-	-	-	-	-	-	-				
						6.3	0.1	276	17.6	17.6	8.4	8.4	31.7	31.7	115.8	115.8	9.1	9.1	4.0	4.0	8	8	-	-	-	-	-	-	-	-				
IM4	Fine	Moderate	12:56	8.5	Surface	1.0	0.1	12	17.8	17.8	8.4	8.4	31.3	31.3	120.0	119.9	9.5	9.5	4.7	4.7	8	8	-	-	819742	804606	-	-	-	-				
						1.0	0.1	13	17.8	17.8	8.4	8.4	31.3	31.3	119.7	119.7	9.4	9.4	4.7	4.7	7	7	-	-	-	-	-	-	-					
						4.3	0.1	307	17.7	17.7	8.3	8.3	31.6	31.6	115.7	115.7	9.1	9.1	4.3	4.3	7	7	-	-	-	-	-	-	-					
					Middle	4.3	0.1	337	17.6	17.6	8.4	8.4	31.6	31.6	115.6	115.6	9.1	9.1	4.3	4.3	6	6	-	-	-	-	-	-	-	-				
						7.5	0.1	297	17.6	17.6	8.4	8.4	31.8	31.8	114.6	114.6	9.0	9.0	4.0	4.0	5	5	-	-	-	-	-	-	-					
						7.5	0.1	315	17.6	17.6	8.4	8.4	31.8	31.8	114.6	114.6	9.0	9.0	4.1	4.1	6	6	-	-	-	-	-	-	-					
IM5	Fine	Moderate	12:48	8.0	Surface	1.0	0.2	14	17.6	17.6	8.3	8.3	31.5	31.5	114.5	114.5	9.1	9.1	4.3	4.3	3	3	-	-	820723	804879	-	-	-	-				
						1.0	0.2	14	17.6	17.6	8.3	8.3	31.5	31.5	114.5	114.5	9.1	9.1	4.3	4.3	2	2	-	-	-	-	-	-						
						4.0	0.2	18	17.6	17.6	8.4	8.4	31.6	31.6	114.5	114.5	9.0	9.0	4.5	4.5	4	4	-	-	-	-	-	-						
					Middle	4.0	0.2	19	17.6	17.6	8.4	8.4	31.6	31.6	114.5	114.5	9.0	9.0	4.6	4.6	4	4	-	-	-	-	-	-	-					
						7.0	0.2	31	17.6	17.6	8.4	8.4	31.6	31.6	113.9	113.9	9.0	9.0	5.0	5.0	5	5	-	-	-	-	-	-						
						7.0	0.2	34	17.6	17.6	8.4	8.4	31.6	31.6	113.9	113.9	9.0	9.0	5.0	5.0	5	5	-	-	-	-	-	-						
IM6	Fine	Moderate	12:40	7.7	Surface	1.0	0.0	197	17.9	17.9	8.4	8.4	30.5	30.5	121.0	121.1	9.6	9.6	1.6	1.6	4	4	-	-	821040	805835	-	-	-	-				
						1.0	0.0	204	17.9	17.9	8.4	8.4	30.5	30.5	121.0	121.0	9.6	9.6	1.6	1.6	3	3	-	-	-	-	-	-						

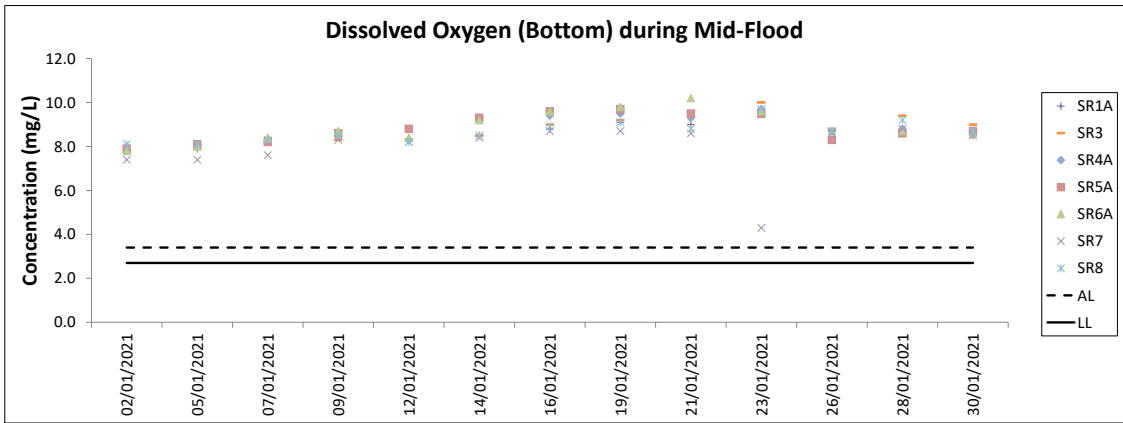
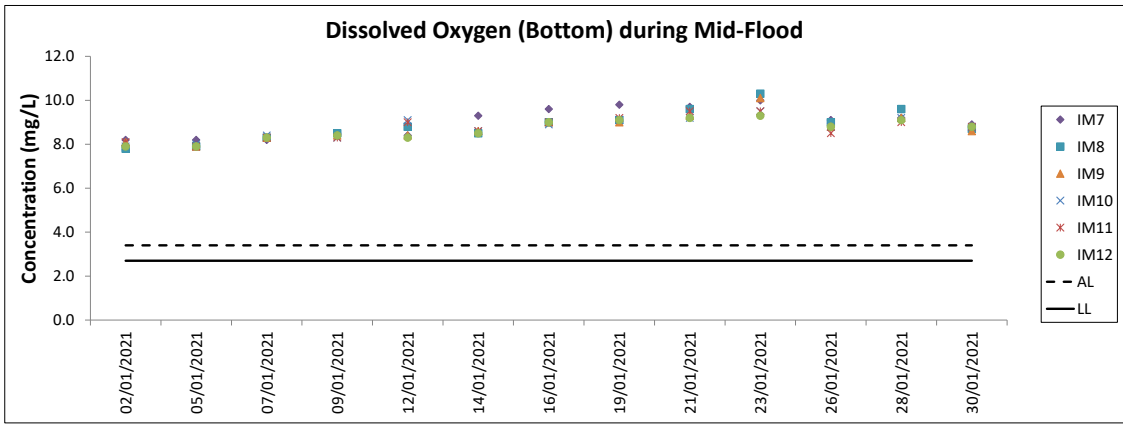
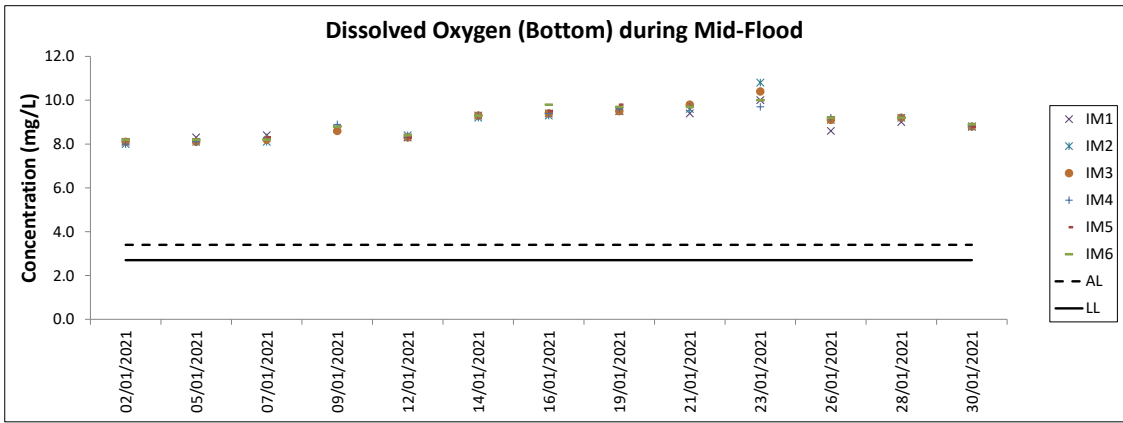
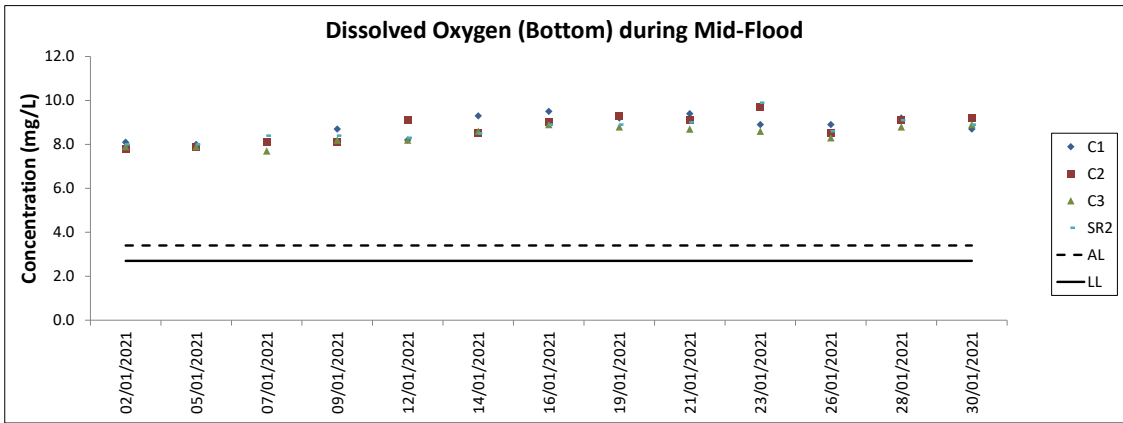
Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring

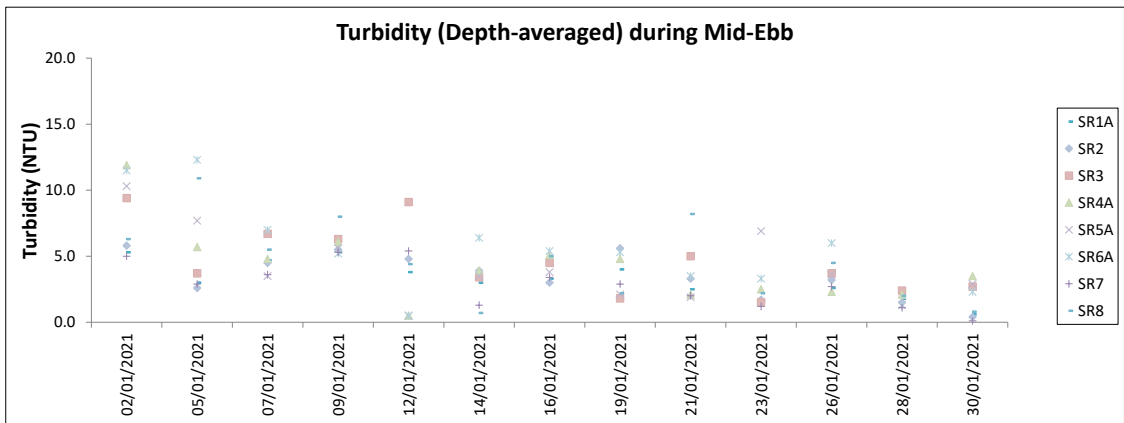
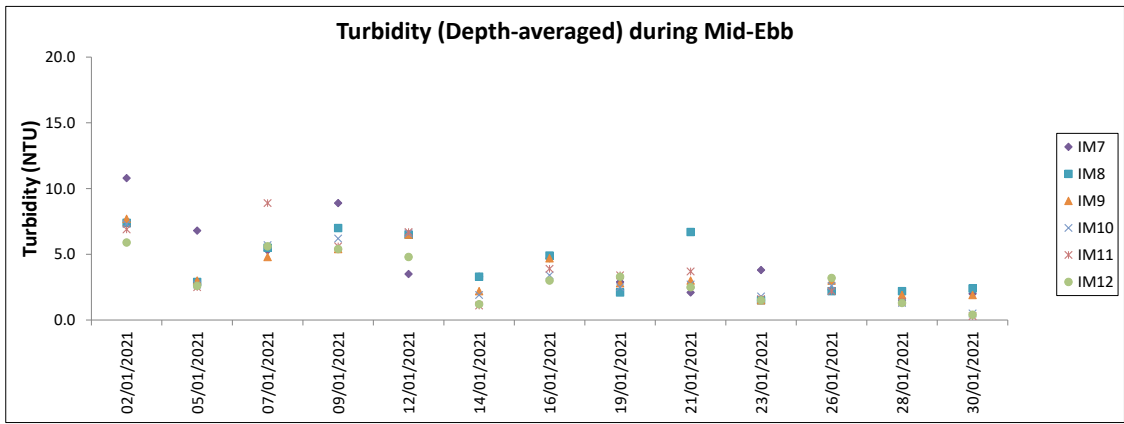
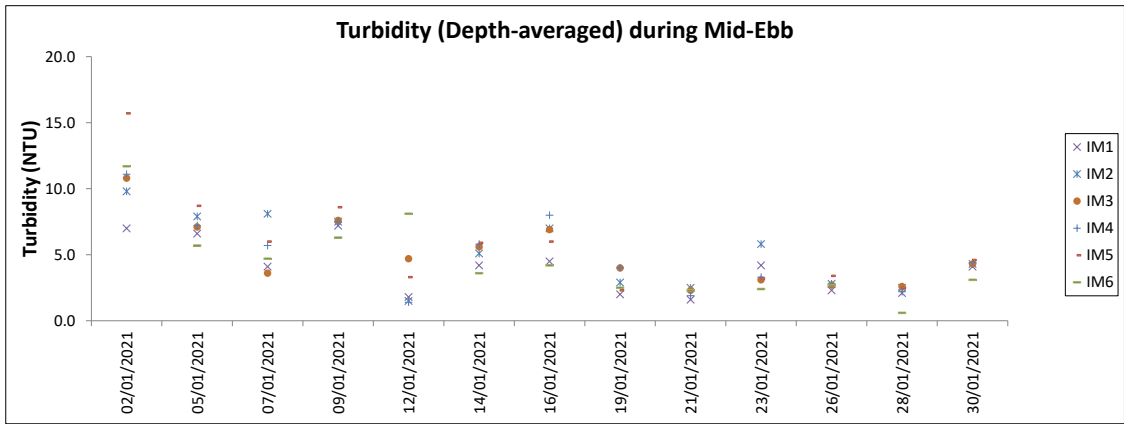
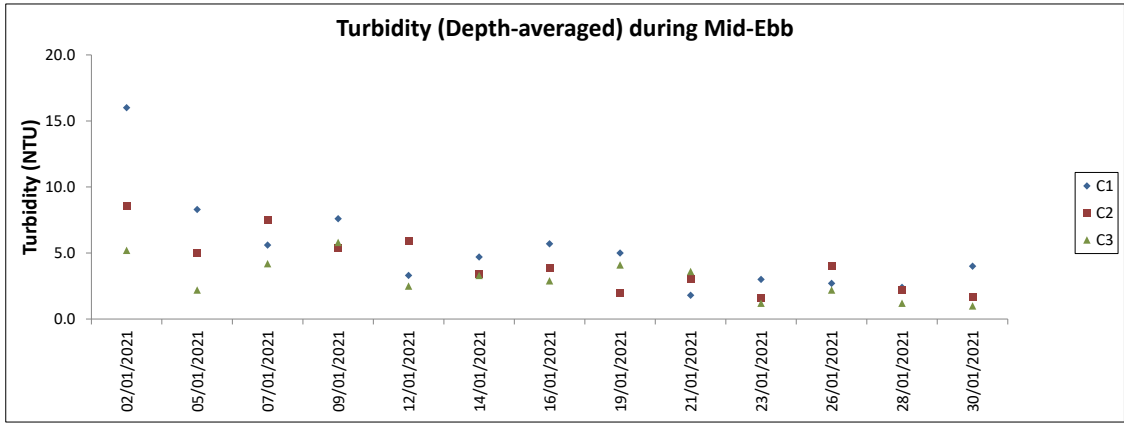
Water Quality Monitoring Results on 30 January 21 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)	Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		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	Cloudy	Moderate	13:02	7.7	Surface	1.0	0.4	61	18.0	18.0	8.3	8.3	28.9	28.9	117.7	117.7	9.4	9.4	0.6	0.6	6	6	-	-	822117	808823	-	-	-	-			
						1.0	0.4	61	18.0	8.3	8.3	28.9	28.9	117.7	117.7	9.4	9.4	0.6	0.6	5	5	-	-										
					Middle	3.9	0.4	67	17.9	17.9	8.3	8.3	29.3	29.3	117.3	117.3	9.3	9.3	1.6	1.6	4	4	-	-									
						3.9	0.4	71	17.9	17.9	8.3	8.3	29.3	29.3	117.2	117.2	9.3	9.3	1.6	1.6	3	3	-	-									
					Bottom	6.7	0.4	70	17.7	17.8	8.3	8.3	29.8	29.8	110.1	110.0	8.8	8.8	3.4	3.4	2	2	-	-									
						6.7	0.4	70	17.8	17.8	8.3	8.3	29.8	29.8	109.9	109.9	8.7	8.7	3.6	3.6	2	2	-	-									
IM10	Cloudy	Moderate	13:08	7.6	Surface	1.0	0.6	76	18.0	18.0	8.3	8.3	28.8	28.8	116.1	116.2	9.3	9.3	0.6	0.6	3	3	-	-	822404	809807	-	-	-	-			
						1.0	0.6	82	18.0	18.0	8.3	8.3	28.8	28.8	116.3	116.3	9.3	9.3	0.6	0.6	2	2	-	-									
					Middle	3.8	0.6	83	17.8	17.8	8.3	8.3	29.1	29.2	111.9	111.8	8.9	8.9	0.5	0.5	4	4	-	-									
						3.8	0.6	85	17.8	17.8	8.3	8.3	29.2	29.2	111.6	111.6	8.9	8.9	0.6	0.6	3	3	-	-									
					Bottom	6.6	0.3	92	17.8	17.8	8.3	8.3	29.5	29.5	110.3	110.2	8.8	8.8	0.3	0.3	3	3	-	-									
						6.6	0.3	94	17.8	17.8	8.3	8.3	29.5	29.5	110.1	110.1	8.8	8.8	0.3	0.3	4	4	-	-									
IM11	Cloudy	Moderate	13:19	8.8	Surface	1.0	0.3	138	17.9	17.9	8.3	8.3	29.5	29.5	116.4	116.4	9.3	9.3	0.2	0.2	2	2	-	-	822067	811474	-	-	-	-			
						1.0	0.3	144	17.9	17.9	8.3	8.3	29.5	29.5	116.4	116.4	9.3	9.3	0.3	0.3	2	2	-	-									
					Middle	4.4	0.3	131	17.9	17.9	8.3	8.3	29.5	29.5	115.8	115.8	9.2	9.2	0.3	0.3	3	3	-	-									
						4.4	0.3	141	17.9	17.9	8.3	8.3	29.5	29.5	115.8	115.8	9.2	9.2	0.3	0.3	4	4	-	-									
					Bottom	7.8	0.3	133	17.9	17.9	8.3	8.3	29.5	29.5	113.3	113.1	9.0	9.0	0.2	0.2	3	3	-	-									
						7.8	0.3	146	17.9	17.9	8.3	8.3	29.5	29.5	112.8	112.8	9.0	9.0	0.2	0.2	4	4	-	-									
IM12	Cloudy	Moderate	13:24	9.9	Surface	1.0	0.3	135	18.0	18.0	8.3	8.3	29.6	29.6	117.1	117.1	9.3	9.3	0.3	0.3	<2	<2	-	-	821480	812047	-	-	-	-			
						1.0	0.3	136	18.0	18.0	8.3	8.3	29.6	29.6	117.1	117.1	9.3	9.3	0.3	0.3	<2	<2	-	-									
					Middle	5.0	0.3	148	18.0	18.0	8.3	8.3	29.6	29.6	116.1	116.1	9.2	9.2	0.3	0.3	3	3	-	-									
						5.0	0.3	158	18.0	18.0	8.3	8.3	29.6	29.6	116.1	116.1	9.2	9.2	0.3	0.3	2	2	-	-									
					Bottom	8.9	0.3	149	17.9	17.9	8.3	8.3	29.6	29.6	113.8	113.7	9.0	9.0	0.5	0.5	3	3	-	-									
						8.9	0.4	163	17.9	17.9	8.3	8.3	29.6	29.6	113.6	113.6	9.0	9.0	0.4	0.4	3	3	-	-									
SR1A	Cloudy	Calm	13:56	4.6	Surface	1.0	-	-	18.0	18.0	8.3	8.3	29.5	29.5	114.0	114.0	9.1	9.1	0.5	0.5	4	4	-	-	819974	812653	-	-	-	-			
						1.0	-	-	18.0	18.0	8.3	8.3	29.5	29.5	114.0	114.0	9.1	9.1	0.5	0.5	4	4	-	-									
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.6	-	-	17.9	17.9	8.3	8.3	29.5	29.5	114.0	113.9	9.1	9.1	0.7	0.7	3	3	-	-									
						3.6	-	-	17.9	17.9	8.3	8.3	29.5	29.5	113.8	113.8	9.0	9.0	0.7	0.7	2	2	-	-									
SR2	Cloudy	Moderate	14:11	4.9	Surface	1.0	0.3	73	18.0	18.0	8.3	8.3	29.6	29.6	117.5	117.6	9.3	9.3	0.3	0.3	4	4	-	-	821462	814148	-	-	-	-			
						1.0	0.4	76	18.0	18.0	8.3	8.3	29.6	29.6	117.5	117.5	9.3	9.3	0.3	0.3	5	5	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.9	0.3	70	17.9	17.9	8.3	8.3	29.6	29.6	115.9	115.7	9.2	9.2	0.4	0.4	4	4	-	-									
						3.9	0.3	70	17.9	17.9	8.3	8.3	29.6	29.6	115.5	115.5	9.2	9.2	0.4	0.4	3	3	-	-									
SR3	Cloudy	Moderate	12:52	9.1	Surface	1.0	0.4	101	17.9	17.9	8.3	8.3	29.0	29.0	117.0	117.2	9.4	9.4	2.6	2.6	4	4	-	-	822146	807577	-	-	-	-			
						1.0	0.4	104	17.9	17.9	8.3	8.3	29.0	29.0	117.0	117.0	9.3	9.3	2.6	2.6	5	5	-	-									
					Middle	4.6	0.4	100	17.9	17.9	8.3	8.3	29.3	29.3	114.7	114.5	9.1	9.1	2.3	2.3	4	4	-	-									
						4.6	0.4	106	17.9	17.9	8.3	8.3	29.3	29.3	114.2	114.2	9.1	9.1	2.3	2.3	3	3	-	-									
					Bottom	8.1	0.4	76	17.8	17.8	8.3	8.3	29.7	29.7	112.1	112.1	8.9	8.9	3.2	3.2	3	3	-	-									
						8.1	0.4	78	17.8	17.8	8.3	8.3	29.7	29.7	112.0	112.0	8.9	8.9	2.9	2.9	4	4	-	-									
SR4A	Fine	Calm	14:04	9.0	Surface	1.0	0.3	78	17.9	17.9	8.3	8.3	31.3	31.3	117.1	117.1	9.2	9.2	3.7	3.7	6	6	-	-	817210	807794	-	-	-	-			
						1.0	0.3	83	17.8	17.8	8.3	8.3	31.3	31.3	117.0	117.0	9.2	9.2	3.7	3.7	6	6	-	-									
					Middle	4.5	0.3	75	17.8	17.8	8.3	8.3	31.3	31.3	116.0	116.0	9.1	9.1	3.6	3.6	6	6	-	-									
						4.5	0.3	80	17.8	17.8	8.3	8.3	31.3	31.3	115.9	115.9	9.1	9.1	3.6	3.6	5	5	-	-									
					Bottom	8.0	0.2	70	17.7	17.7	8.4	8.4	31.4	31.4	114.1	114.1	9.0	9.0	3.3	3.3	5	5	-	-									
						8.0	0.2	74	17.7	17.7	8.4	8.4	31.4	31.4	114.0	114.0	9.0	9.0	3.3	3.3	5	5	-	-									
SR5A	Fine	Calm	14:21	3.5	Surface	1.0	0.0	299	18.2	18.2	8.4	8.4	30.9	30.9	118.6	118.5	9.3	9.3	2.7	2.7	4	4	-	-	816584	810681	-	-	-	-			
						1.0	0.0	299	18.1	18.1	8.4	8.4	30.9	30.9	118.3	118.3	9.3	9.3	2.7	2.7	4	4	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	2.5	0.1	162	17.9	17.9	8.4	8.4	31.1	31.1	116.8	116.8	9.2	9.2	3.2	3.2	7	7	-	-									
						2.5	0.1	175	17.9	17.9	8.4	8.4	31.1	31.1	116.7	116.7	9.2	9.2	3.0	3.0	6	6	-	-									
SR6A	Fine	Calm	15:08	4.4	Surface	1.0	0.0	217	18.1	18.1	8.3	8.3	30.9	30.9	118.9	118.9	9.3	9.3	2.6	2.6	5	5	-	-	817963	814743	-	-	-	-			
						1.0	0.0	219	18.1	18.1	8.3	8.3	30.9	30.9	118.9	118.9	9.3	9.3	2.6	2.6	4	4	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.4	0.0	250	18.0	18.0	8.4	8.4	30.9	30.9	117.9	117.8	9.3	9.3	2.1	2.1	5	5	-	-									
						3.4	0.0	265	18.0	18.0	8.4	8.4	30.9	30.9	117.7	117.7	9.3	9.3	2.0	2.0	6	6	-	-									
SR7	Cloudy	Moderate	14:59	15.1	Surface	1.0	0.6	61	18.0	18.0	8.3	8.3	30.1	30.1	113.8	113.7	9.0	9.0	0.1	0.1	4	4	-	-	823652	823731	-	-	-	-			
						1.0	0.7	61	18.0	18.0	8.3	8.3	30.1	30.1	113.6	113.6	9.0	9.0	0.1	0.1	3	3	-	-									
					Middle	7.6	0.2	14	17.8	17.8	8.2	8.2	30.4	30.4	108.3	108.3	8.6	8.6	0.1	0.1	4	4	-	-									
						7.6	0.2	14	17.8	17.8	8.2	8.2	30.4	30.4	108.2	108.2	8.6	8.6	0.1	0.1	4	4	-	-									
					Bottom	14.1	0.2	55	17.8	17.8	8.2	8.2	30.4	30.4	107.5	107.5	8.5	8.5	0.1	0.1	5	5	-	-									
						14.1	0.2	58	17.8	17.8	8.2	8.2	30.4	30.4	107.5																		

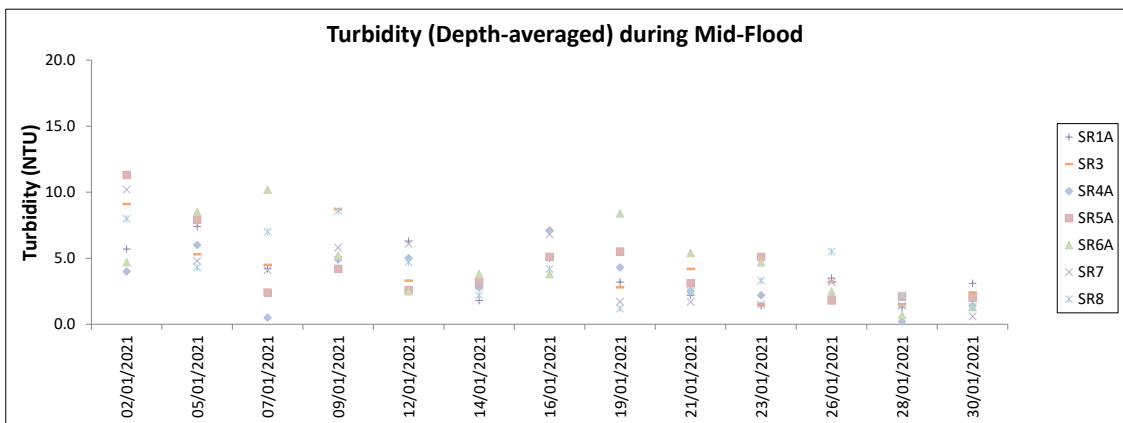
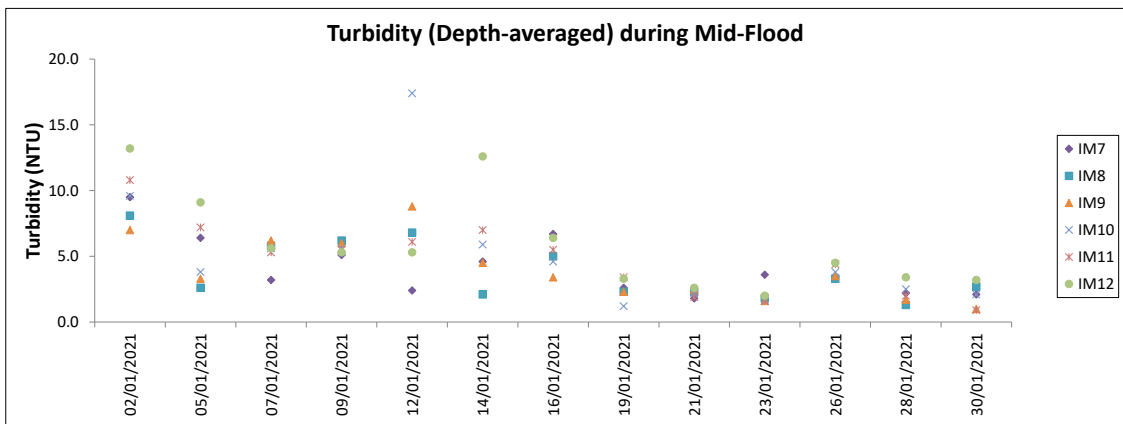
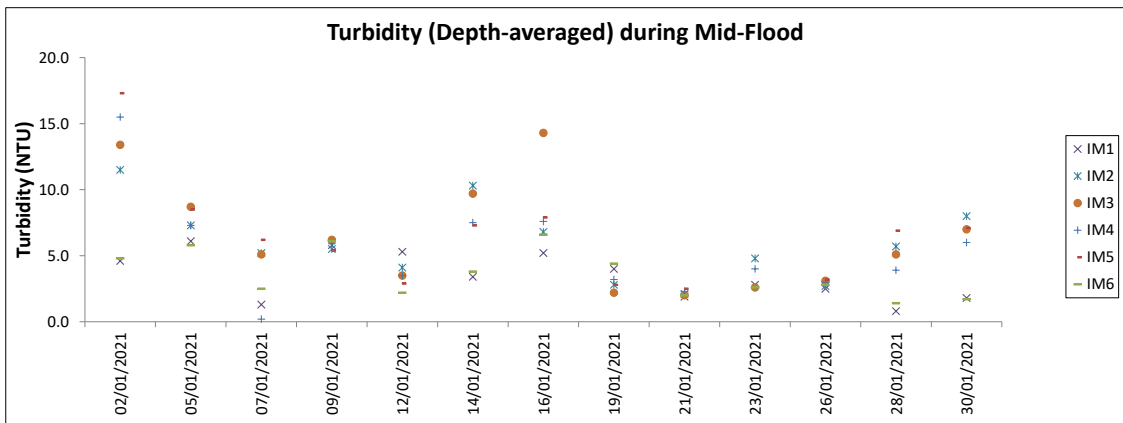
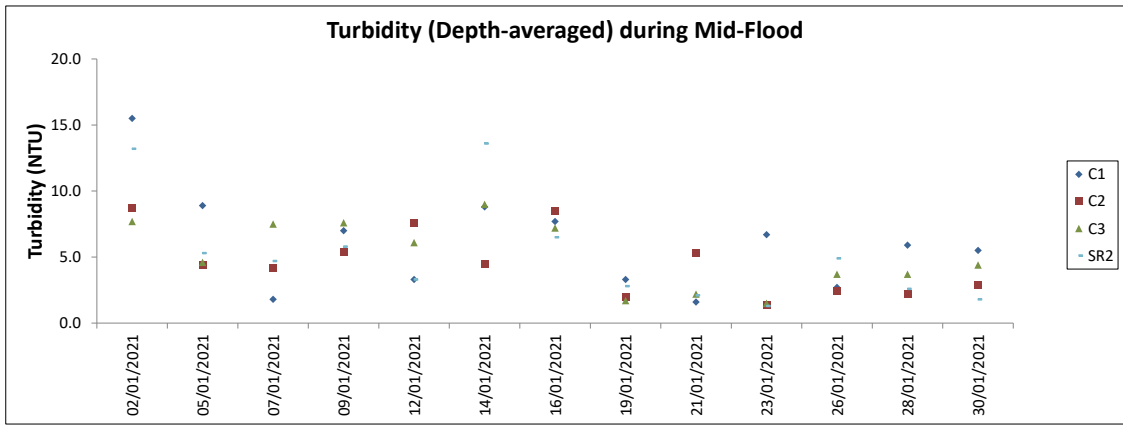




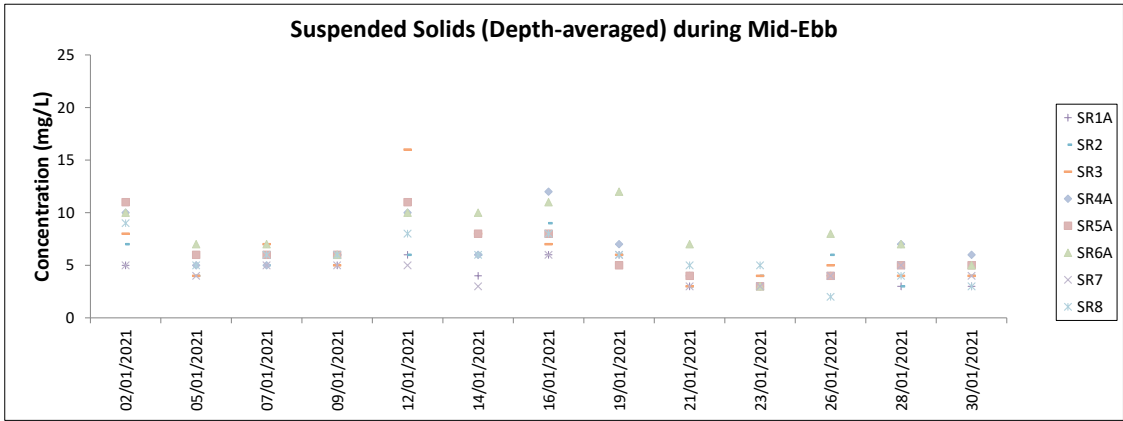
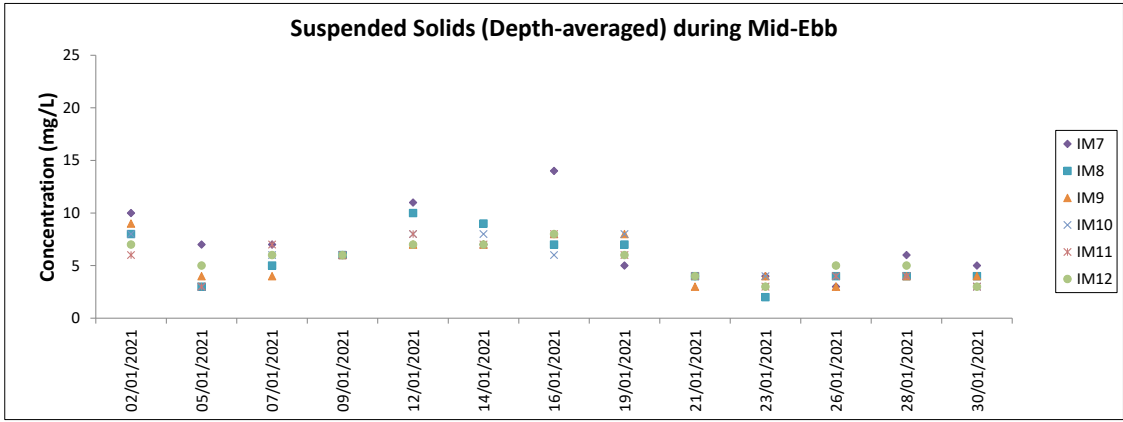
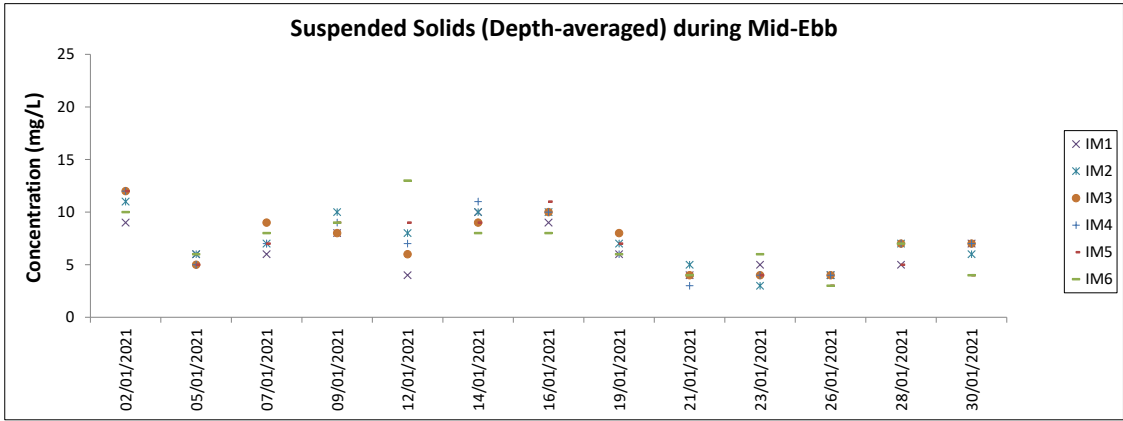
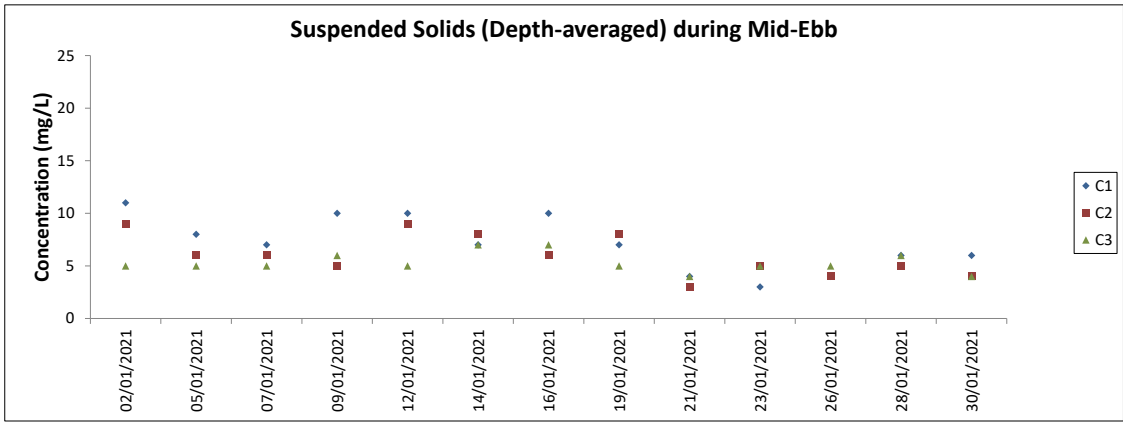




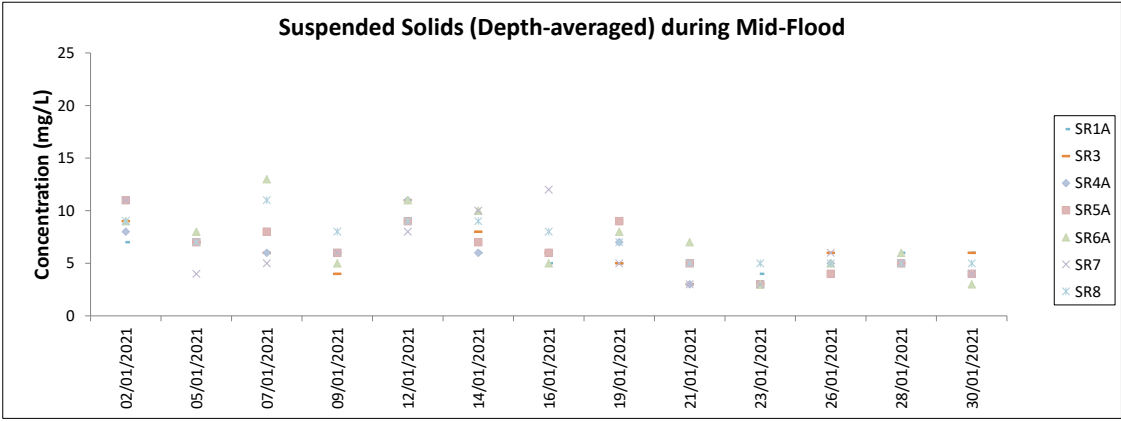
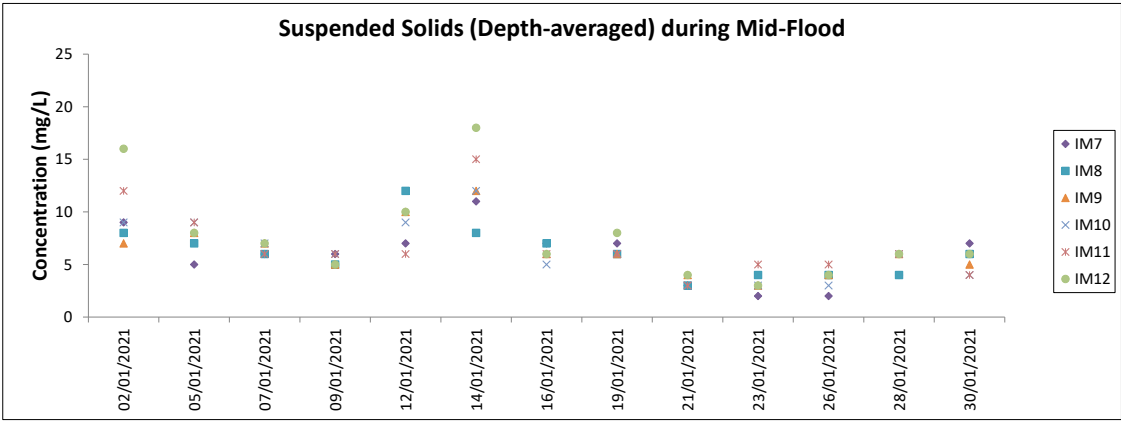
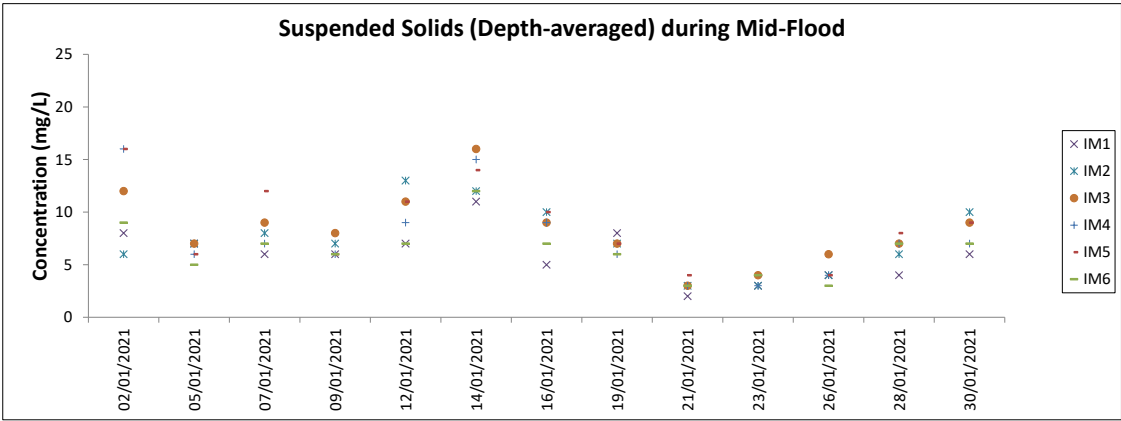
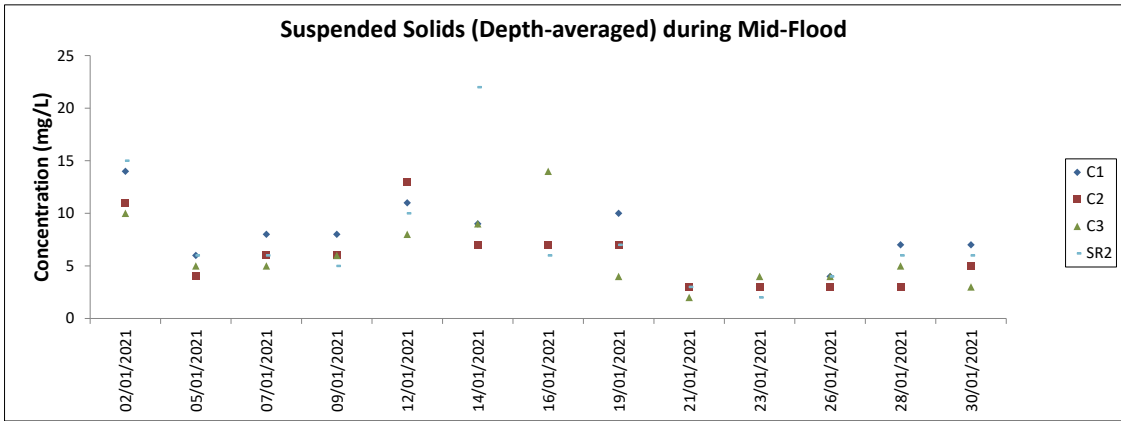
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



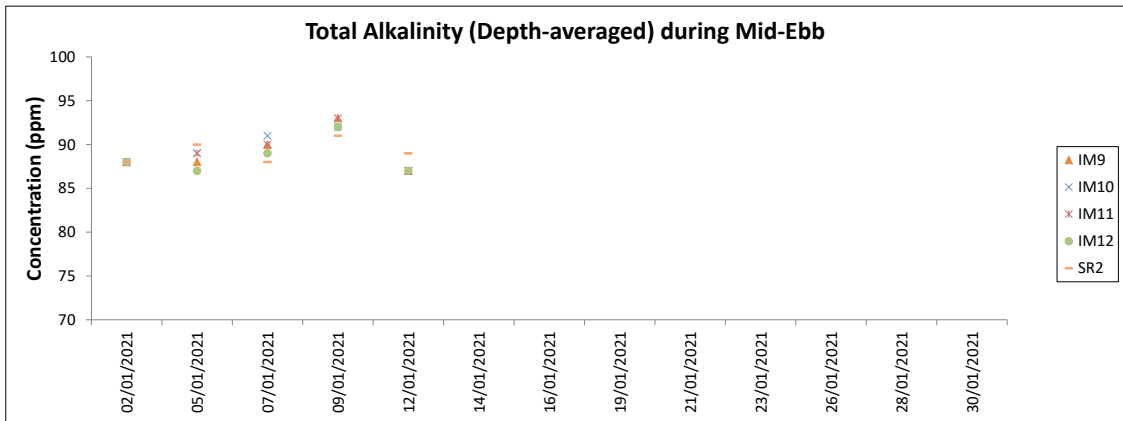
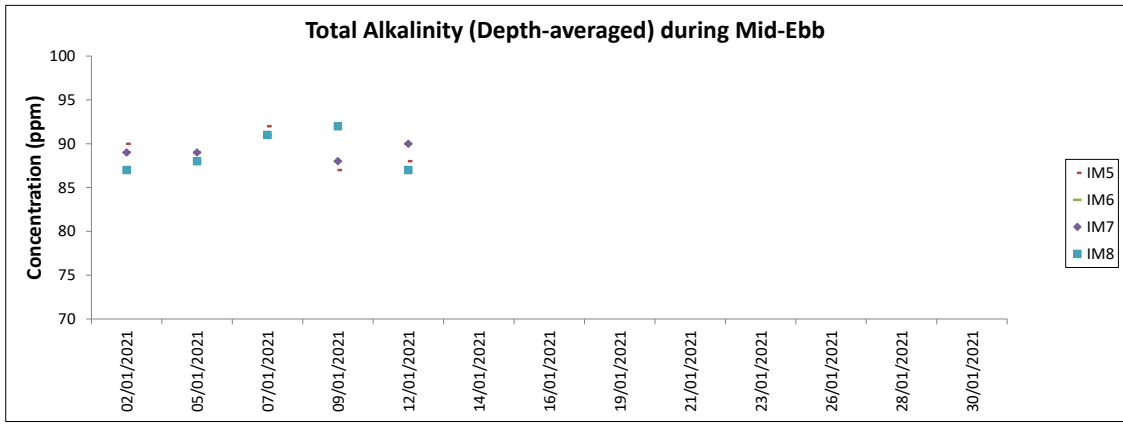
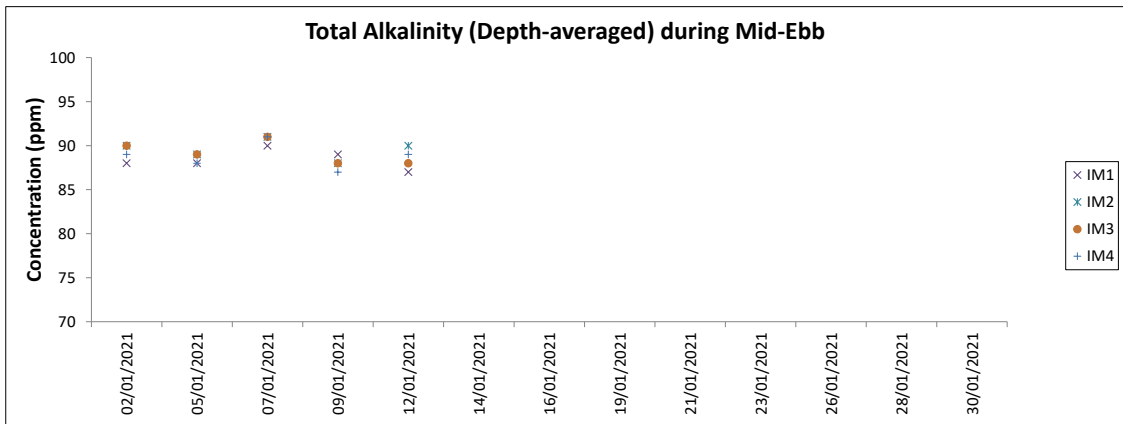
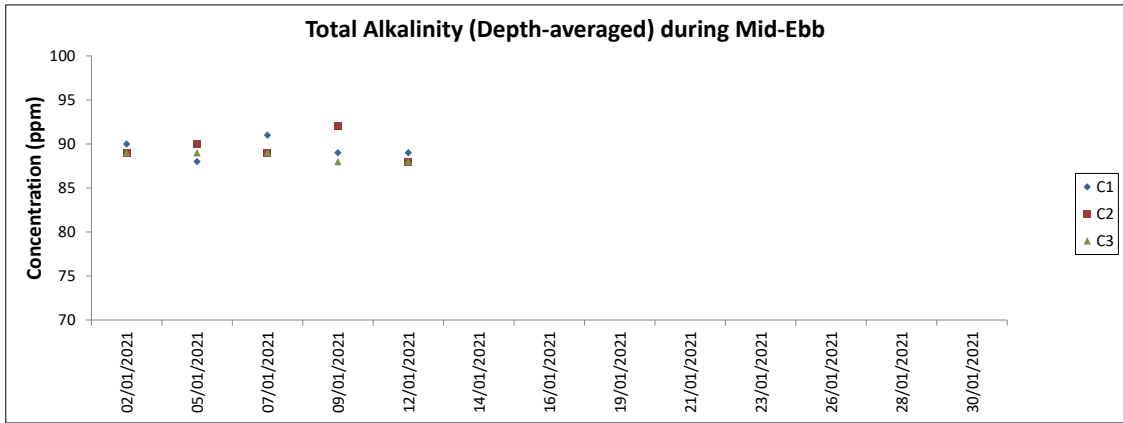
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



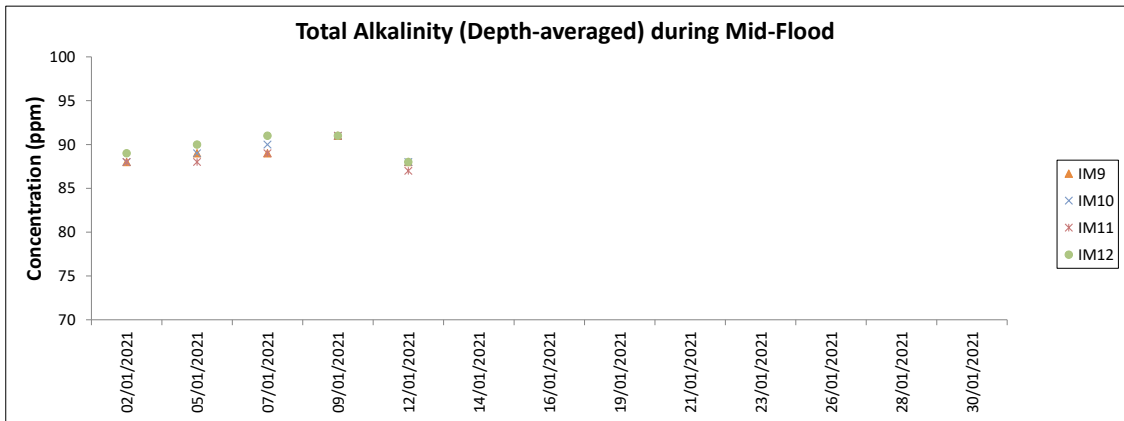
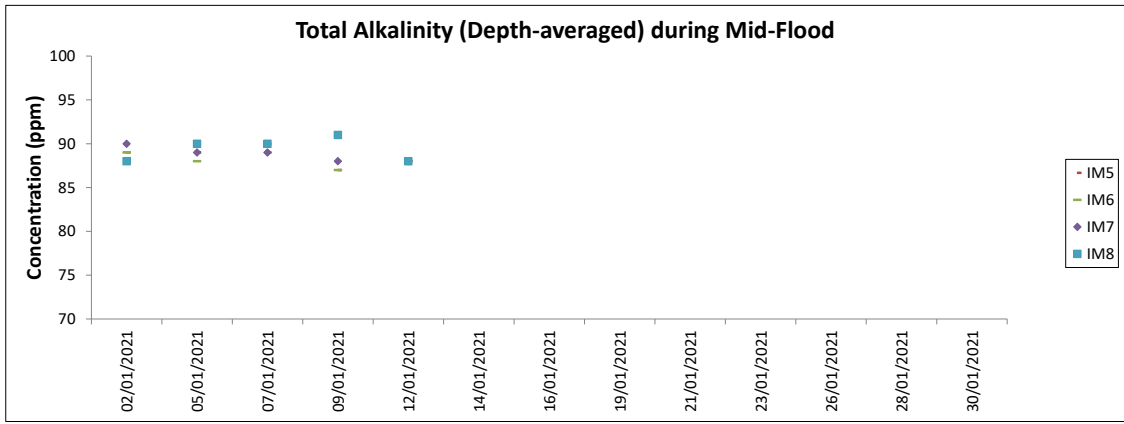
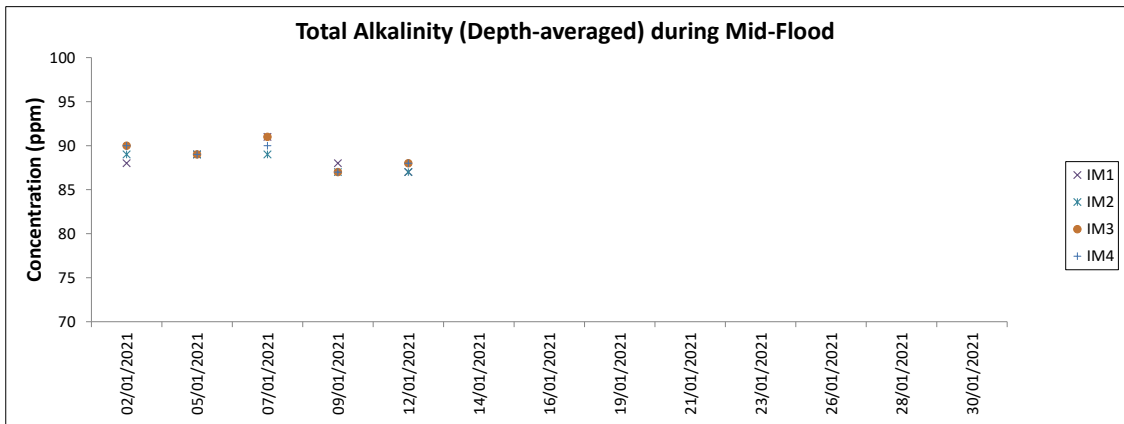
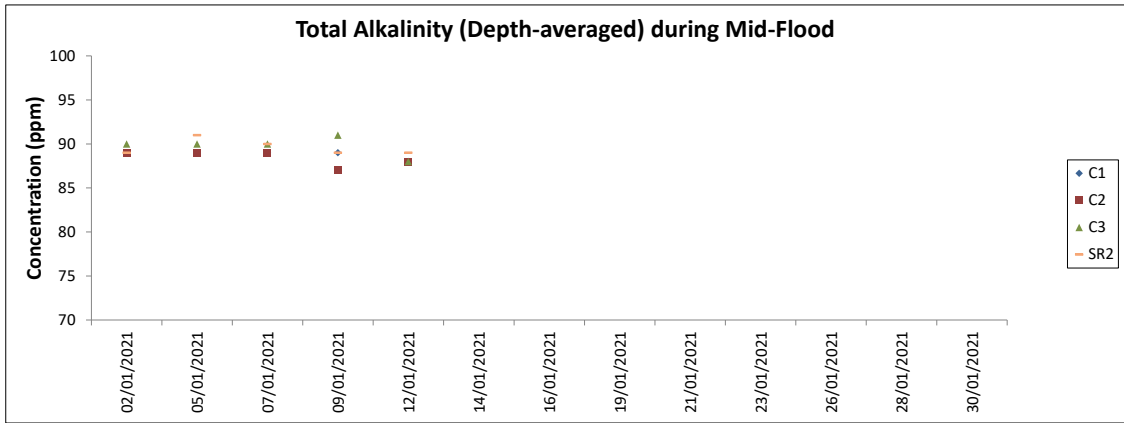
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



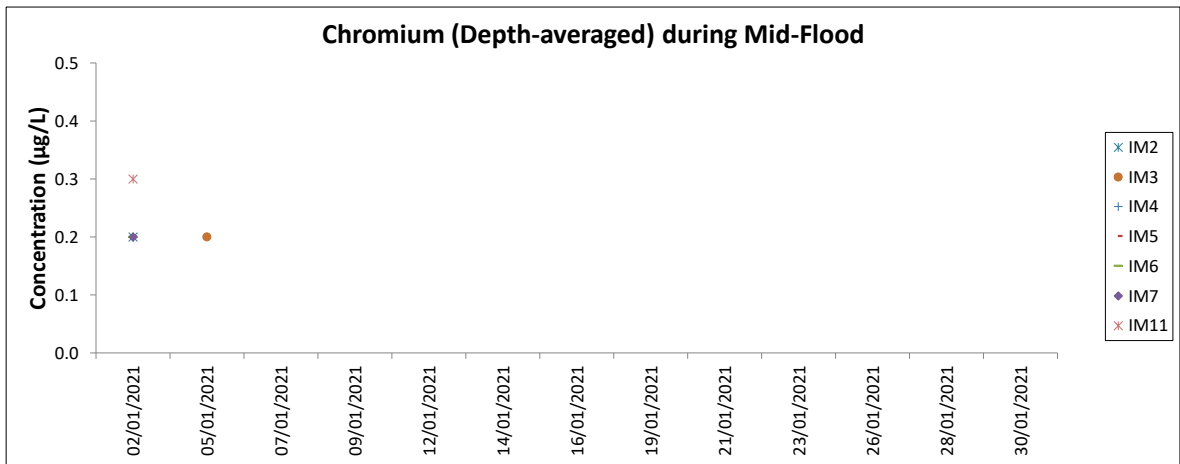
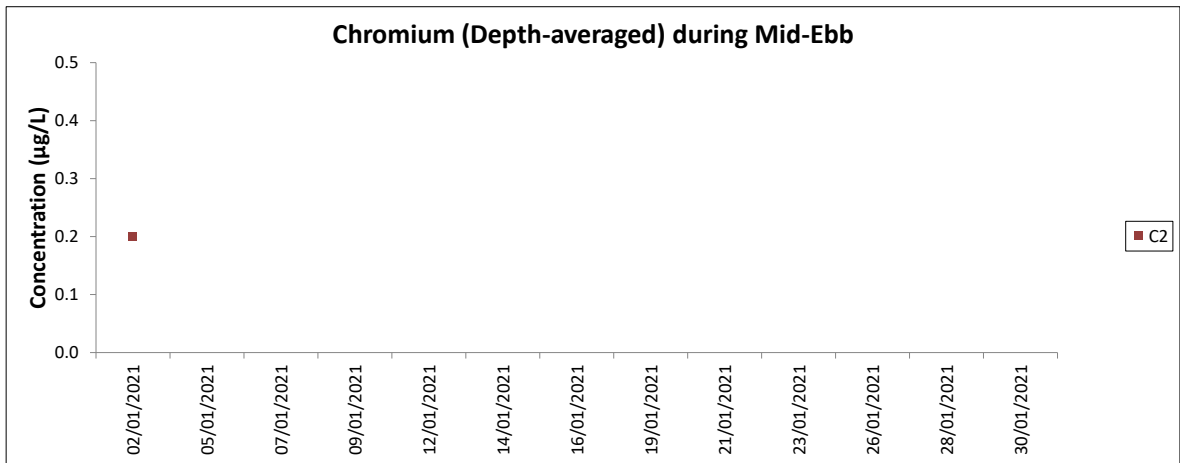
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



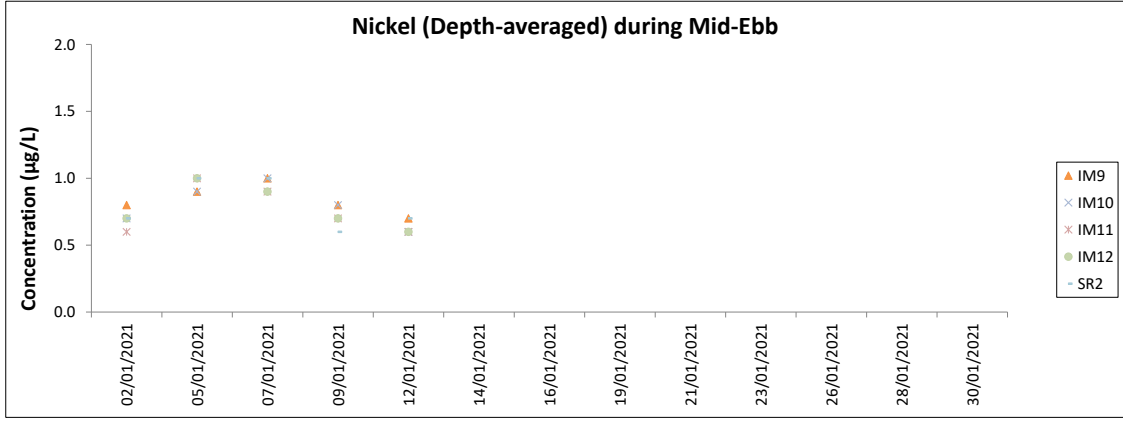
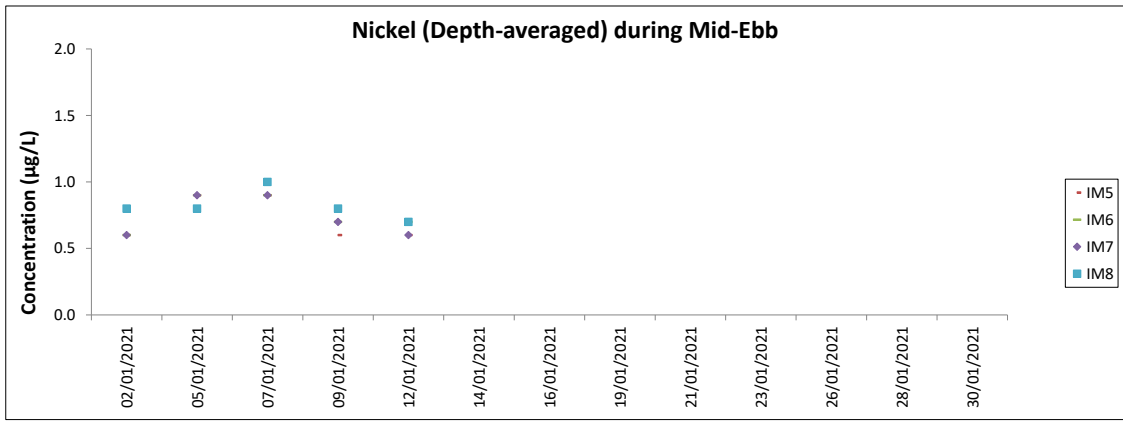
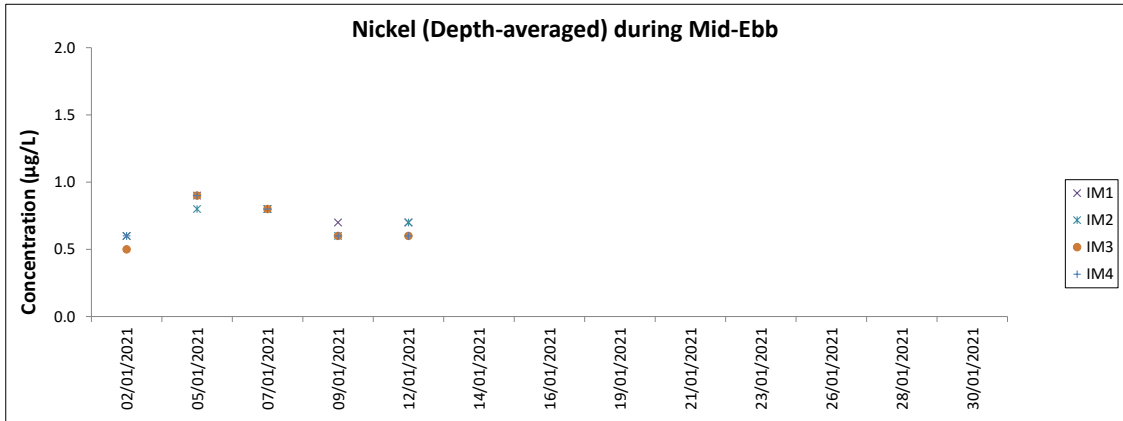
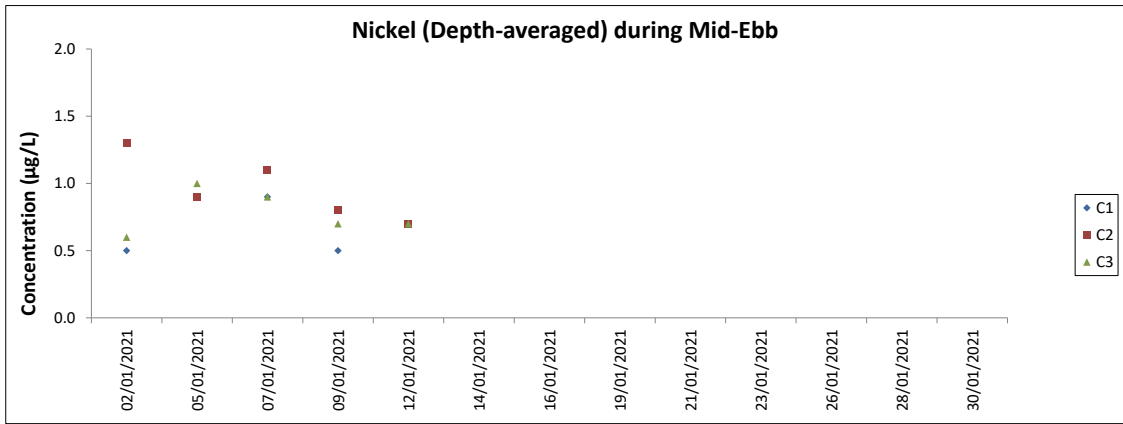
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



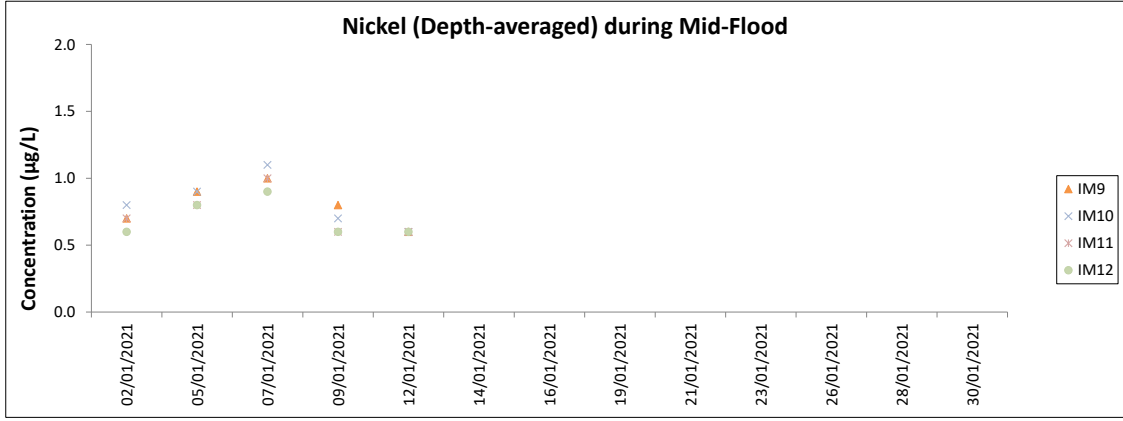
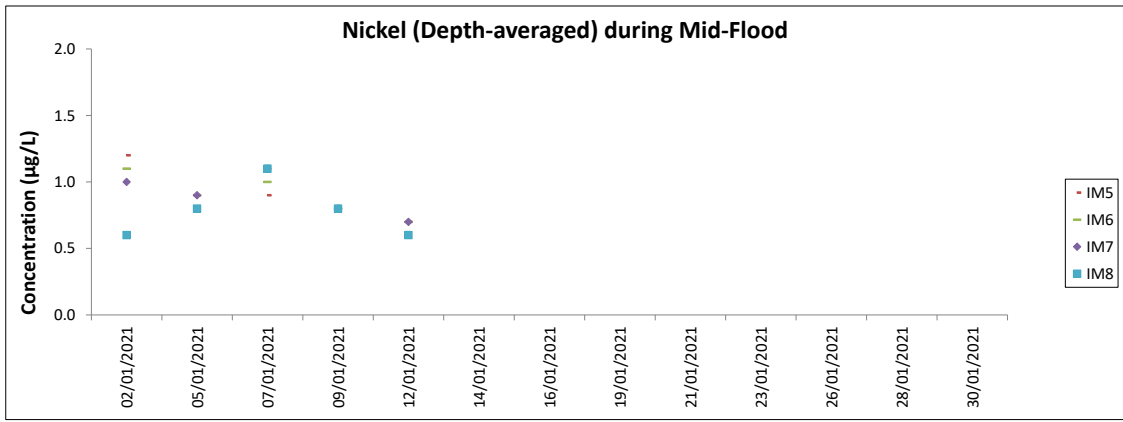
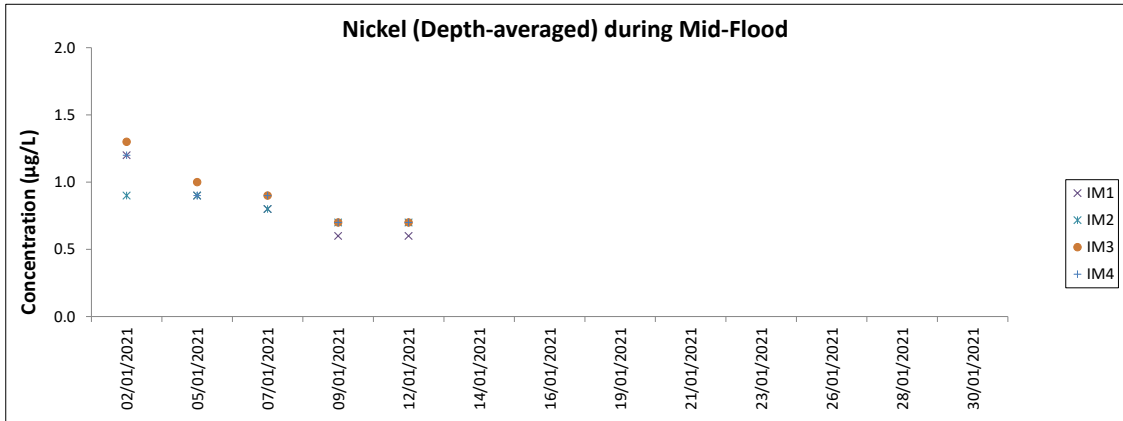
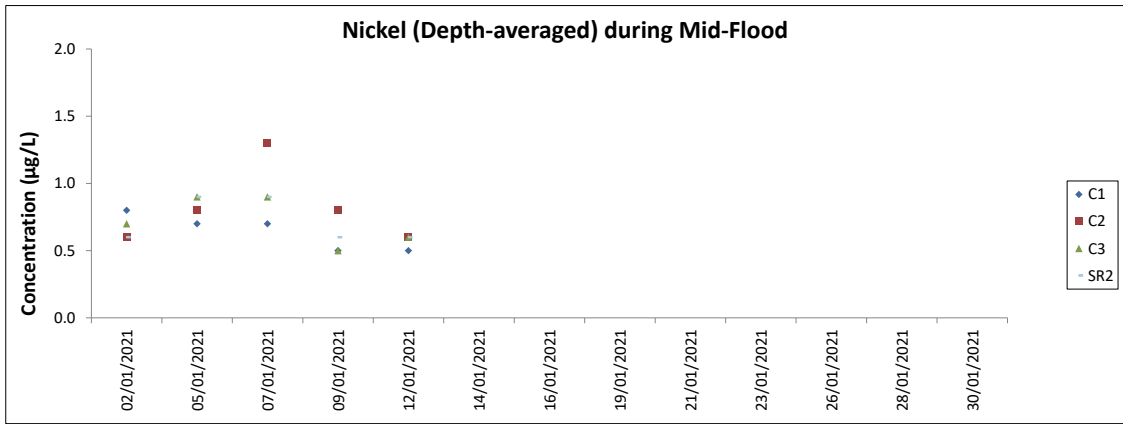
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



Note: The Action and Limit Level of chromium can be referred to Table 4.2 of the monthly EM&A report.
 All other chromium in the reporting period was below the reporting limit 0.2 µg/L.



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



Note: The Action and Limit Level of nickel can be referred to Table 4.2 of the monthly EM&A report.
 Major site activities carried out during the reporting period are summarized in Section 1.4 of the monthly EM&A report.
 Weather conditions during monitoring are presented in the data tables above.
 QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
5-Nov-20	NWL	2	6.540	AUTUMN	32166	3RS ET	P
5-Nov-20	NWL	3	53.550	AUTUMN	32166	3RS ET	P
5-Nov-20	NWL	4	3.300	AUTUMN	32166	3RS ET	P
5-Nov-20	NWL	2	3.910	AUTUMN	32166	3RS ET	S
5-Nov-20	NWL	3	7.300	AUTUMN	32166	3RS ET	S
6-Nov-20	AW	2	4.960	AUTUMN	32166	3RS ET	P
6-Nov-20	WL	2	9.750	AUTUMN	32166	3RS ET	P
6-Nov-20	WL	3	7.819	AUTUMN	32166	3RS ET	P
6-Nov-20	WL	2	3.905	AUTUMN	32166	3RS ET	S
6-Nov-20	WL	3	3.314	AUTUMN	32166	3RS ET	S
9-Nov-20	NEL	2	34.800	AUTUMN	32166	3RS ET	P
9-Nov-20	NEL	3	1.900	AUTUMN	32166	3RS ET	P
9-Nov-20	NEL	2	9.700	AUTUMN	32166	3RS ET	S
9-Nov-20	NEL	3	0.900	AUTUMN	32166	3RS ET	S
10-Nov-20	NEL	2	36.140	AUTUMN	32166	3RS ET	P
10-Nov-20	NEL	2	11.160	AUTUMN	32166	3RS ET	S
16-Nov-20	AW	2	2.550	AUTUMN	32166	3RS ET	P
16-Nov-20	AW	3	1.170	AUTUMN	32166	3RS ET	P
16-Nov-20	WL	2	5.427	AUTUMN	32166	3RS ET	P
16-Nov-20	WL	3	13.386	AUTUMN	32166	3RS ET	P
16-Nov-20	WL	2	3.583	AUTUMN	32166	3RS ET	S
16-Nov-20	WL	3	5.244	AUTUMN	32166	3RS ET	S
17-Nov-20	NWL	2	2.430	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	3	45.790	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	4	12.370	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	5	2.900	AUTUMN	32166	3RS ET	P
17-Nov-20	NWL	3	8.480	AUTUMN	32166	3RS ET	S
17-Nov-20	NWL	4	3.130	AUTUMN	32166	3RS ET	S
18-Nov-20	SWL	2	19.300	AUTUMN	32166	3RS ET	P
18-Nov-20	SWL	3	35.530	AUTUMN	32166	3RS ET	P
18-Nov-20	SWL	2	6.800	AUTUMN	32166	3RS ET	S
18-Nov-20	SWL	3	9.070	AUTUMN	32166	3RS ET	S
19-Nov-20	SWL	1	1.480	AUTUMN	32166	3RS ET	P
19-Nov-20	SWL	2	52.830	AUTUMN	32166	3RS ET	P
19-Nov-20	SWL	2	15.390	AUTUMN	32166	3RS ET	S
4-Dec-20	NEL	2	1.000	WINTER	32166	3RS ET	P
4-Dec-20	NEL	3	30.450	WINTER	32166	3RS ET	P
4-Dec-20	NEL	4	6.100	WINTER	32166	3RS ET	P
4-Dec-20	NEL	2	1.000	WINTER	32166	3RS ET	S
4-Dec-20	NEL	3	8.450	WINTER	32166	3RS ET	S
9-Dec-20	SWL	2	22.072	WINTER	32166	3RS ET	P
9-Dec-20	SWL	3	32.643	WINTER	32166	3RS ET	P
9-Dec-20	SWL	2	8.280	WINTER	32166	3RS ET	S
9-Dec-20	SWL	3	6.717	WINTER	32166	3RS ET	S
10-Dec-20	SWL	2	40.788	WINTER	32166	3RS ET	P
10-Dec-20	SWL	3	11.922	WINTER	32166	3RS ET	P
10-Dec-20	SWL	2	13.112	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
10-Dec-20	SWL	3	2.693	WINTER	32166	3RS ET	S
11-Dec-20	AW	1	4.850	WINTER	32166	3RS ET	P
11-Dec-20	WL	1	4.680	WINTER	32166	3RS ET	P
11-Dec-20	WL	2	10.655	WINTER	32166	3RS ET	P
11-Dec-20	WL	3	4.566	WINTER	32166	3RS ET	P
11-Dec-20	WL	1	1.310	WINTER	32166	3RS ET	S
11-Dec-20	WL	2	6.879	WINTER	32166	3RS ET	S
11-Dec-20	WL	3	2.210	WINTER	32166	3RS ET	S
15-Dec-20	NEL	2	8.700	WINTER	32166	3RS ET	P
15-Dec-20	NEL	3	28.460	WINTER	32166	3RS ET	P
15-Dec-20	NEL	2	3.900	WINTER	32166	3RS ET	S
15-Dec-20	NEL	3	5.940	WINTER	32166	3RS ET	S
16-Dec-20	AW	3	4.550	WINTER	32166	3RS ET	P
16-Dec-20	WL	3	13.920	WINTER	32166	3RS ET	P
16-Dec-20	WL	4	2.060	WINTER	32166	3RS ET	P
16-Dec-20	WL	5	0.400	WINTER	32166	3RS ET	P
16-Dec-20	WL	3	11.710	WINTER	32166	3RS ET	S
16-Dec-20	WL	4	1.180	WINTER	32166	3RS ET	S
18-Dec-20	NWL	2	3.100	WINTER	32166	3RS ET	P
18-Dec-20	NWL	3	39.720	WINTER	32166	3RS ET	P
18-Dec-20	NWL	4	19.680	WINTER	32166	3RS ET	P
18-Dec-20	NWL	2	0.200	WINTER	32166	3RS ET	S
18-Dec-20	NWL	3	10.900	WINTER	32166	3RS ET	S
18-Dec-20	NWL	4	1.600	WINTER	32166	3RS ET	S
21-Dec-20	NWL	3	23.100	WINTER	32166	3RS ET	P
21-Dec-20	NWL	4	40.400	WINTER	32166	3RS ET	P
21-Dec-20	NWL	2	1.000	WINTER	32166	3RS ET	S
21-Dec-20	NWL	3	6.200	WINTER	32166	3RS ET	S
21-Dec-20	NWL	4	4.300	WINTER	32166	3RS ET	S
11-Jan-21	NEL	2	6.200	WINTER	32166	3RS ET	P
11-Jan-21	NEL	3	24.380	WINTER	32166	3RS ET	P
11-Jan-21	NEL	4	6.900	WINTER	32166	3RS ET	P
11-Jan-21	NEL	2	1.900	WINTER	32166	3RS ET	S
11-Jan-21	NEL	3	7.320	WINTER	32166	3RS ET	S
11-Jan-21	NEL	4	0.500	WINTER	32166	3RS ET	S
12-Jan-21	NEL	2	8.900	WINTER	32166	3RS ET	P
12-Jan-21	NEL	3	28.460	WINTER	32166	3RS ET	P
12-Jan-21	NEL	2	2.600	WINTER	32166	3RS ET	S
12-Jan-21	NEL	3	7.040	WINTER	32166	3RS ET	S
15-Jan-21	SWL	2	12.333	WINTER	32166	3RS ET	P
15-Jan-21	SWL	3	36.540	WINTER	32166	3RS ET	P
15-Jan-21	SWL	4	0.687	WINTER	32166	3RS ET	P
15-Jan-21	SWL	2	4.680	WINTER	32166	3RS ET	S
15-Jan-21	SWL	3	11.610	WINTER	32166	3RS ET	S
18-Jan-21	AW	3	4.810	WINTER	32166	3RS ET	P
18-Jan-21	WL	3	18.290	WINTER	32166	3RS ET	P
18-Jan-21	WL	4	1.470	WINTER	32166	3RS ET	P
18-Jan-21	WL	3	9.240	WINTER	32166	3RS ET	S
18-Jan-21	WL	4	1.200	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
19-Jan-21	NWL	2	40.189	WINTER	32166	3RS ET	P
19-Jan-21	NWL	3	21.431	WINTER	32166	3RS ET	P
19-Jan-21	NWL	2	8.240	WINTER	32166	3RS ET	S
19-Jan-21	NWL	3	2.750	WINTER	32166	3RS ET	S
19-Jan-21	NWL	4	0.600	WINTER	32166	3RS ET	S
20-Jan-21	NWL	2	60.280	WINTER	32166	3RS ET	P
20-Jan-21	NWL	3	1.830	WINTER	32166	3RS ET	P
20-Jan-21	NWL	2	11.100	WINTER	32166	3RS ET	S
20-Jan-21	NWL	3	0.490	WINTER	32166	3RS ET	S
26-Jan-21	SWL	2	52.857	WINTER	32166	3RS ET	P
26-Jan-21	SWL	2	13.957	WINTER	32166	3RS ET	S
27-Jan-21	AW	2	4.600	WINTER	32166	3RS ET	P
27-Jan-21	WL	2	12.824	WINTER	32166	3RS ET	P
27-Jan-21	WL	3	4.560	WINTER	32166	3RS ET	P
27-Jan-21	WL	2	7.273	WINTER	32166	3RS ET	S
27-Jan-21	WL	3	3.305	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
5-Nov-20	1	1044	CWD	1	NWL	3	112	ON	3RS ET	22.2740	113.8757	AUTUMN	NONE	S
6-Nov-20	1	1018	CWD	5	WL	2	821	ON	3RS ET	22.2759	113.8504	AUTUMN	NONE	S
6-Nov-20	2	1341	CWD	3	WL	3	206	ON	3RS ET	22.2506	113.8463	AUTUMN	NONE	P
6-Nov-20	3	1400	CWD	4	WL	2	236	ON	3RS ET	22.2414	113.8416	AUTUMN	NONE	P
6-Nov-20	4	1429	CWD	4	WL	3	246	ON	3RS ET	22.2321	113.8358	AUTUMN	NONE	P
6-Nov-20	5	1443	CWD	5	WL	2	216	ON	3RS ET	22.2236	113.8373	AUTUMN	NONE	S
6-Nov-20	6	1513	CWD	4	WL	2	500	ON	3RS ET	22.2042	113.8219	AUTUMN	NONE	S
16-Nov-20	1	0940	CWD	2	AW	2	475	ON	3RS ET	22.2971	113.8842	AUTUMN	GILLNETTER	P
16-Nov-20	2	1040	CWD	1	WL	3	800	ON	3RS ET	22.2740	113.8482	AUTUMN	NONE	S
16-Nov-20	3	1059	CWD	4	WL	3	14	ON	3RS ET	22.2607	113.8480	AUTUMN	NONE	P
16-Nov-20	4	1210	CWD	3	WL	3	232	ON	3RS ET	22.2139	113.8226	AUTUMN	NONE	P
16-Nov-20	5	1249	CWD	1	WL	2	285	ON	3RS ET	22.2055	113.8336	AUTUMN	NONE	P
16-Nov-20	6	1317	CWD	3	WL	2	608	ON	3RS ET	22.1901	113.8421	AUTUMN	NONE	S
17-Nov-20	1	1034	CWD	1	NWL	4	24	ON	3RS ET	22.2723	113.8701	AUTUMN	NONE	P
19-Nov-20	1	1202	FP	2	SWL	2	62	ON	3RS ET	22.1621	113.9184	AUTUMN	NONE	P
19-Nov-20	2	1514	CWD	4	SWL	2	71	ON	3RS ET	22.1883	113.8491	AUTUMN	NONE	P
9-Dec-20	1	1117	CWD	1	SWL	2	111	ON	3RS ET	22.1828	113.9277	WINTER	NONE	P
9-Dec-20	2	1159	CWD	1	SWL	2	59	ON	3RS ET	22.1730	113.9191	WINTER	NONE	P
9-Dec-20	3	1211	CWD	1	SWL	2	21	ON	3RS ET	22.1702	113.9188	WINTER	NONE	P
9-Dec-20	4	1224	FP	2	SWL	3	22	ON	3RS ET	22.1562	113.9183	WINTER	NONE	P
9-Dec-20	5	1247	CWD	2	SWL	2	148	ON	3RS ET	22.1623	113.8987	WINTER	NONE	S
9-Dec-20	6	1351	CWD	1	SWL	3	7	ON	3RS ET	22.1487	113.8958	WINTER	NONE	S
9-Dec-20	7	1516	CWD	3	SWL	3	389	ON	3RS ET	22.2007	113.8678	WINTER	NONE	P
10-Dec-20	1	1107	FP	1	SWL	2	3	ON	3RS ET	22.1645	113.9276	WINTER	NONE	P
10-Dec-20	2	1156	FP	1	SWL	2	54	ON	3RS ET	22.1473	113.9180	WINTER	NONE	P
10-Dec-20	3	1307	FP	1	SWL	2	51	ON	3RS ET	22.1548	113.8975	WINTER	NONE	P
10-Dec-20	4	1430	CWD	2	SWL	3	53	ON	3RS ET	22.1921	113.8679	WINTER	NONE	P
10-Dec-20	5	1448	CWD	1	SWL	3	122	ON	3RS ET	22.1991	113.8600	WINTER	NONE	S
10-Dec-20	6	1459	CWD	1	SWL	3	449	ON	3RS ET	22.1951	113.8589	WINTER	NONE	P
10-Dec-20	7	1535	CWD	4	SWL	3	805	ON	3RS ET	22.1905	113.8490	WINTER	NONE	P
11-Dec-20	1	1129	CWD	1	WL	2	109	ON	3RS ET	22.2229	113.8213	WINTER	NONE	P
11-Dec-20	2	1146	CWD	2	WL	2	133	ON	3RS ET	22.2149	113.8312	WINTER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
16-Dec-20	1	0940	CWD	2	AW	3	19	ON	3RS ET	22.2937	113.8775	WINTER	NONE	P
16-Dec-20	2	1039	CWD	4	WL	3	493	ON	3RS ET	22.2687	113.8538	WINTER	NONE	P
16-Dec-20	3	1139	CWD	1	WL	3	8	ON	3RS ET	22.2323	113.8307	WINTER	NONE	P
15-Jan-21	1	1154	FP	2	SWL	3	19	ON	3RS ET	22.1678	113.9182	WINTER	NONE	P
15-Jan-21	2	1335	CWD	3	SWL	3	789	ON	3RS ET	22.183	113.8875	WINTER	NONE	P
15-Jan-21	3	1443	CWD	1	SWL	2	652	ON	3RS ET	22.1758	113.8685	WINTER	NONE	P
18-Jan-21	1	1116	CWD	3	WL	3	336	ON	3RS ET	22.2421	113.8321	WINTER	NONE	P
18-Jan-21	2	1246	CWD	6	WL	3	45	ON	3RS ET	22.1871	113.8342	WINTER	NONE	P
19-Jan-21	1	0948	CWD	9	NWL	3	1196	ON	3RS ET	22.3799	113.8698	WINTER	NONE	P
19-Jan-21	2	1217	CWD	2	NWL	3	278	ON	3RS ET	22.3974	113.8879	WINTER	NONE	P
19-Jan-21	3	1325	CWD	2	NWL	2	57	ON	3RS ET	22.3703	113.8964	WINTER	NONE	P
19-Jan-21	4	1412	CWD	3	NWL	2	299	ON	3RS ET	22.3549	113.9074	WINTER	NONE	P
20-Jan-21	1	1031	CWD	12	NWL	2	212	ON	3RS ET	22.2743	113.8703	WINTER	NONE	P
20-Jan-21	2	1149	CWD	7	NWL	3	88	ON	3RS ET	22.3515	113.8779	WINTER	NONE	P
26-Jan-21	1	1216	FP	5	SWL	2	17	ON	3RS ET	22.1549	113.9073	WINTER	NONE	S
26-Jan-21	2	1251	CWD	1	SWL	2	38	ON	3RS ET	22.2080	113.9047	WINTER	GILLNETTER	S
26-Jan-21	3	1327	FP	3	SWL	2	346	ON	3RS ET	22.1617	113.8975	WINTER	NONE	P
26-Jan-21	4	1330	FP	2	SWL	2	59	ON	3RS ET	22.1577	113.8978	WINTER	NONE	P
26-Jan-21	5	1339	FP	1	SWL	2	22	ON	3RS ET	22.1496	113.8918	WINTER	NONE	S
26-Jan-21	6	1348	FP	1	SWL	2	34	ON	3RS ET	22.1644	113.8884	WINTER	NONE	P
26-Jan-21	7	1512	CWD	1	SWL	2	396	ON	3RS ET	22.1828	113.8596	WINTER	NONE	P
26-Jan-21	8	1531	CWD	4	SWL	2	725	ON	3RS ET	22.1711	113.8537	WINTER	NONE	S
27-Jan-21	1	1009	CWD	5	WL	2	127	ON	3RS ET	22.2861	113.8613	WINTER	NONE	P
27-Jan-21	2	1029	CWD	3	WL	2	470	ON	3RS ET	22.2737	113.8491	WINTER	NONE	S
27-Jan-21	3	1038	CWD	5	WL	2	79	ON	3RS ET	22.2694	113.8502	WINTER	NONE	P
27-Jan-21	4	1208	CWD	1	WL	2	258	ON	3RS ET	22.1962	113.8300	WINTER	NONE	P
27-Jan-21	5	1221	CWD	7	WL	2	45	ON	3RS ET	22.1960	113.8340	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 429.989 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 18 on-effort sightings and total number of 75 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in January 2021 are shown as below:

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

$$STG = \frac{18}{429.989} \times 100 = 4.19$$

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

$$ANI = \frac{75}{429.989} \times 100 = 17.44$$

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

A total of 1229.774 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 47 on-effort sightings and total number of 146 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)









$$STG = \frac{47}{1229.774} \times 100 = 3.82$$

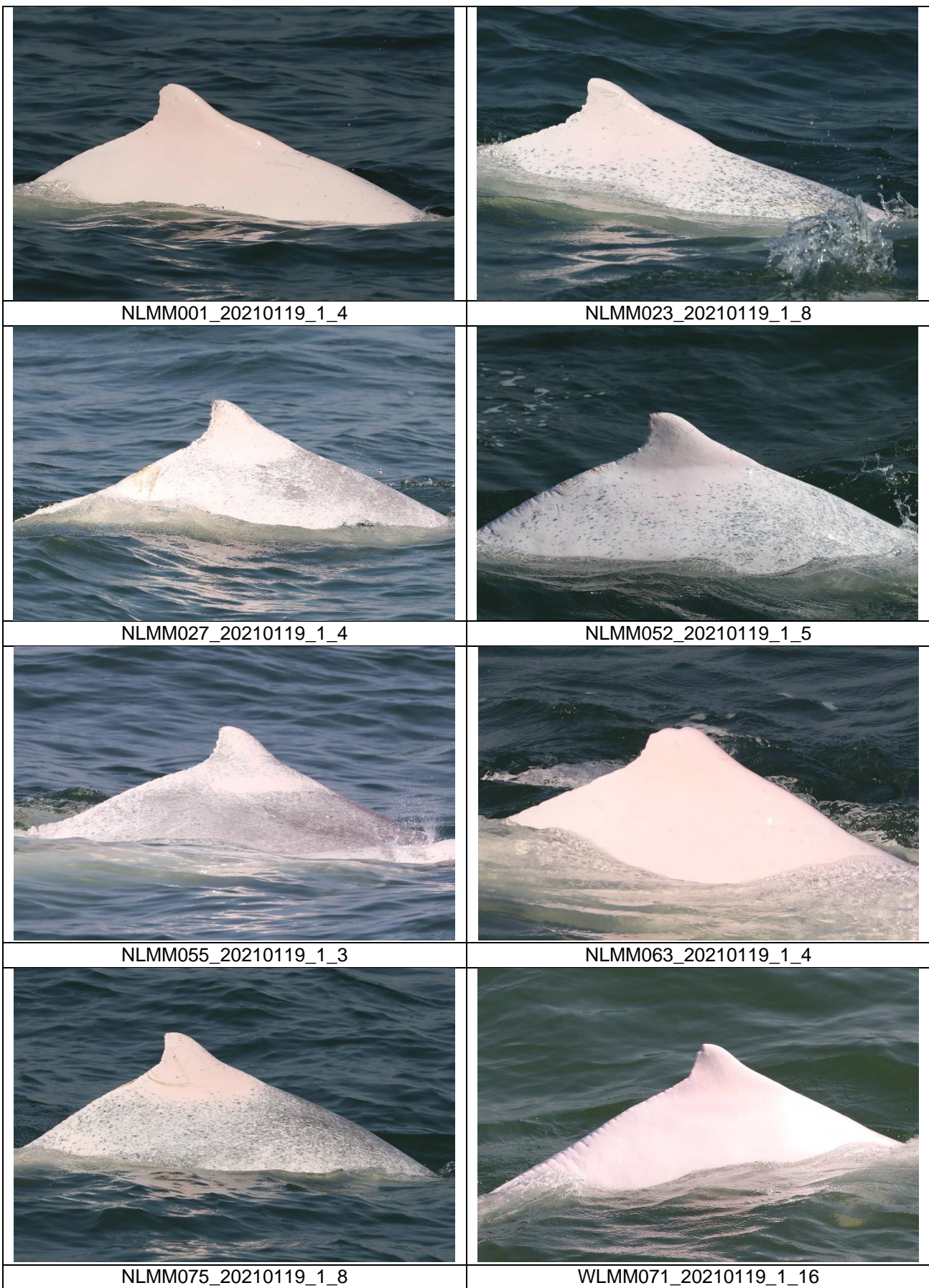
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

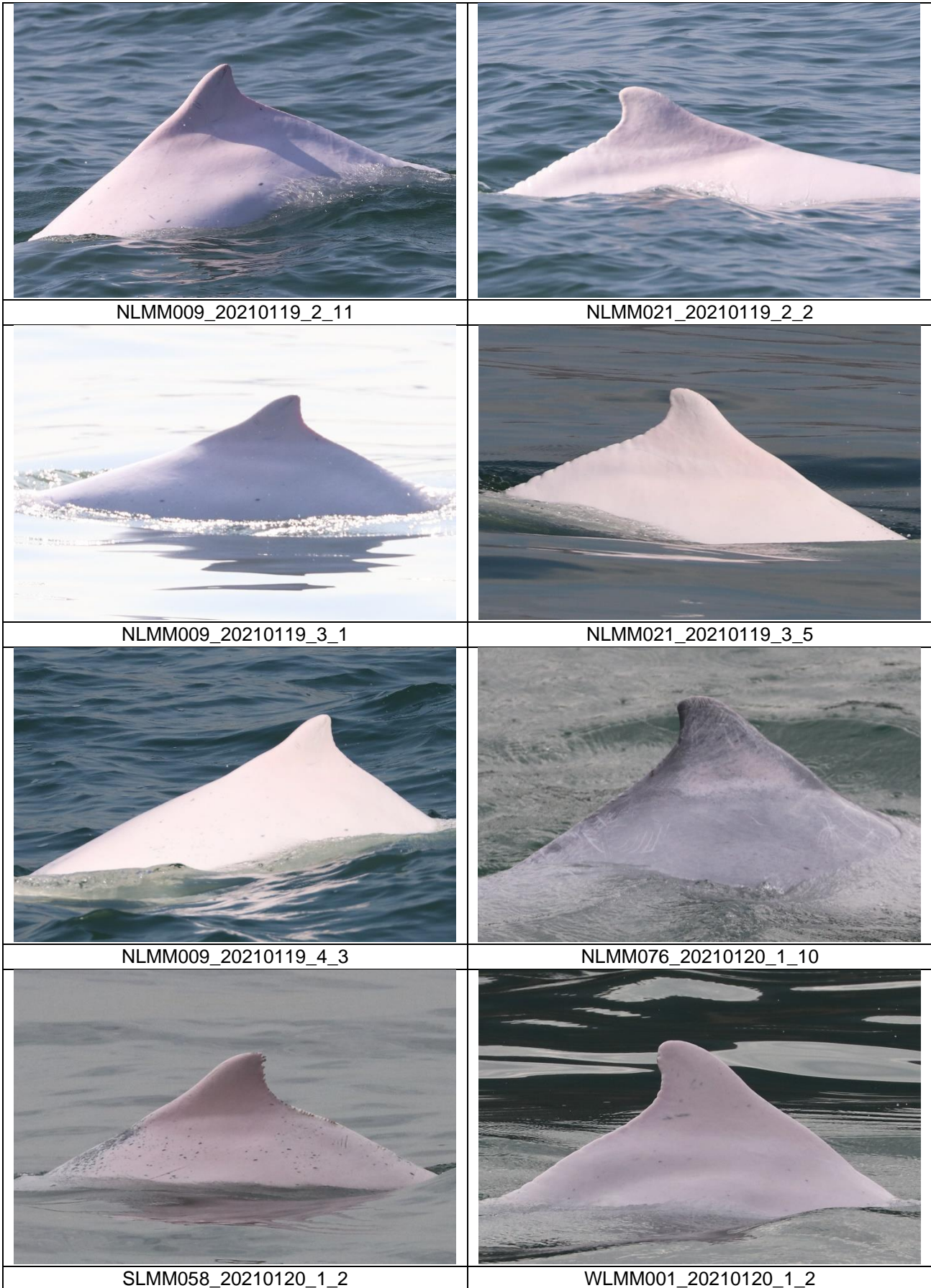
$$ANI = \frac{146}{1229.774} \times 100 = 11.87$$

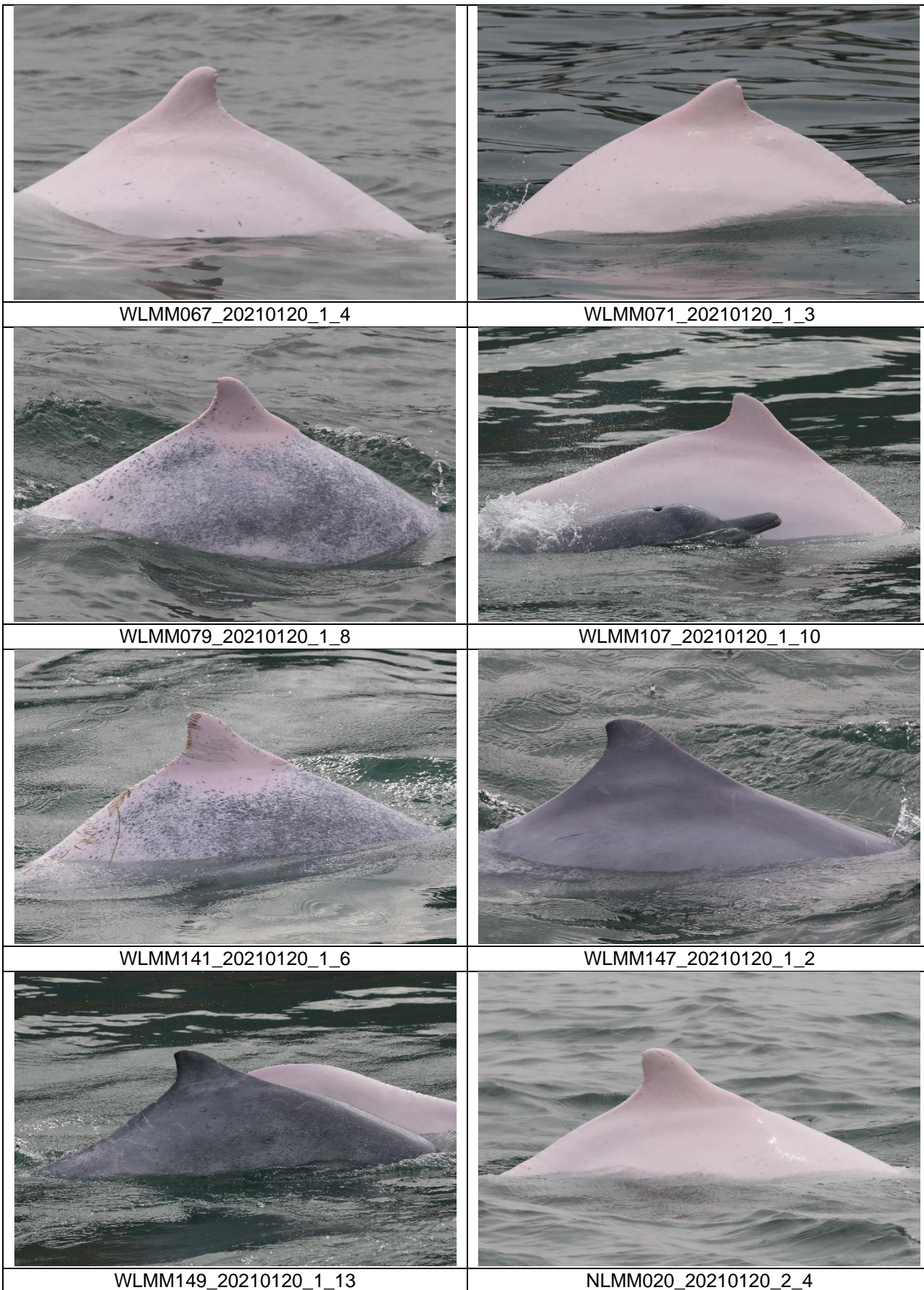
CWD Small Vessel Line-transect Survey









Photo Identification

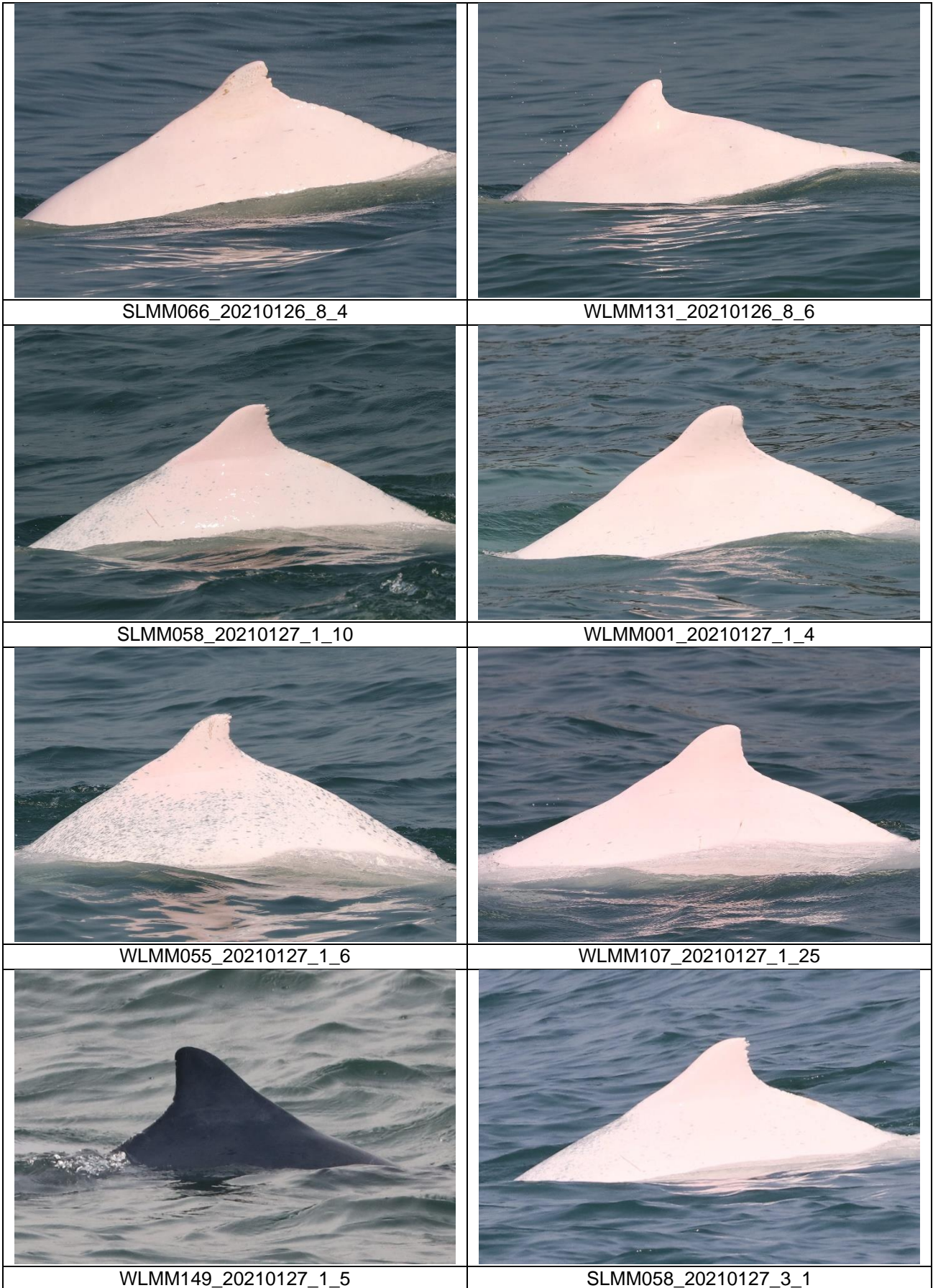
	
SLMM012_20210115_2_4	SLMM037_20210115_2_5
	
WLMM114_20210115_2_9	SLMM014_20210115_3_4
	
SLMM031_20210118_2_5	WLMM006_20210118_2_10
	
WLMM028_20210118_2_2	WLMM029_20210118_2_7

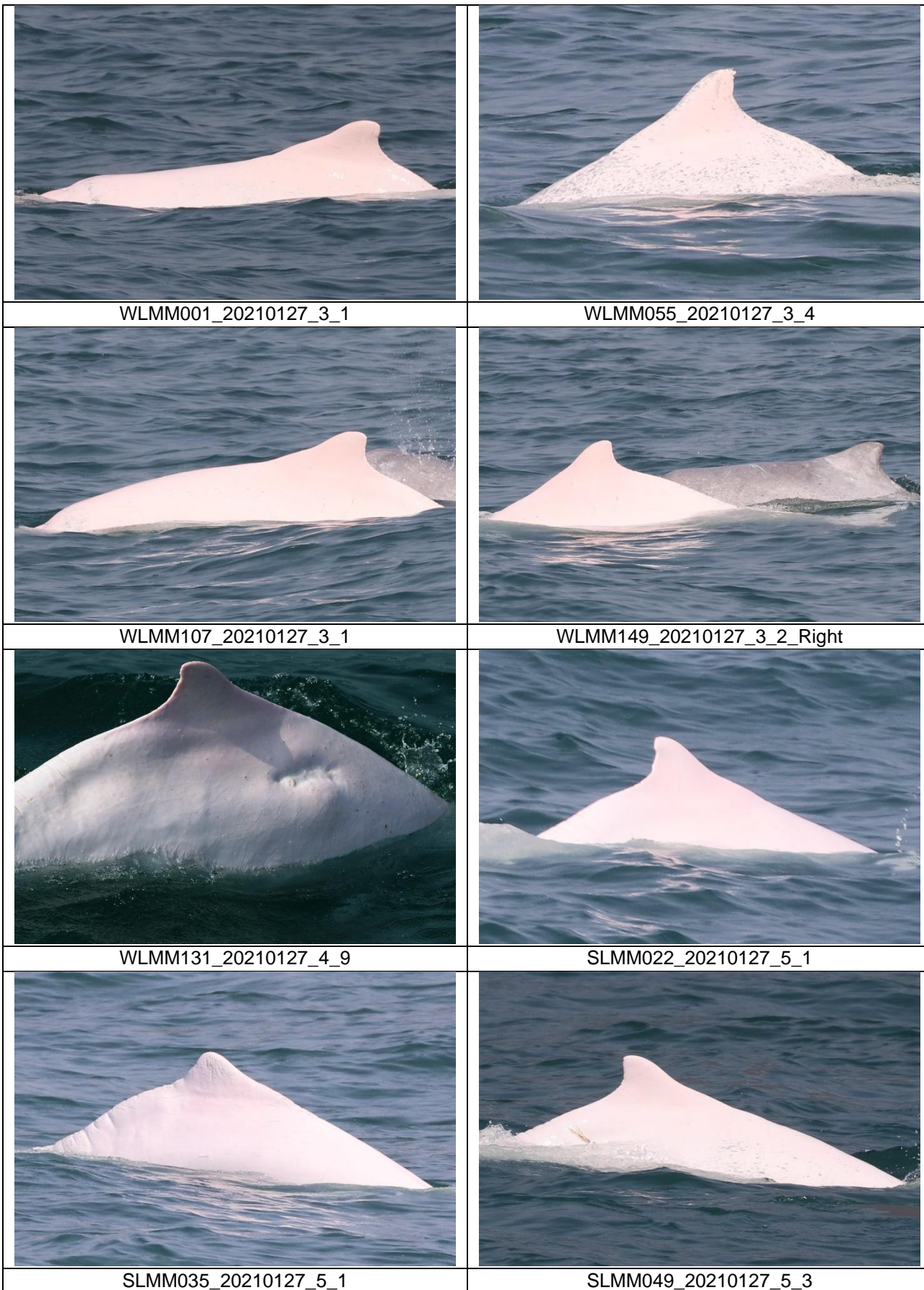


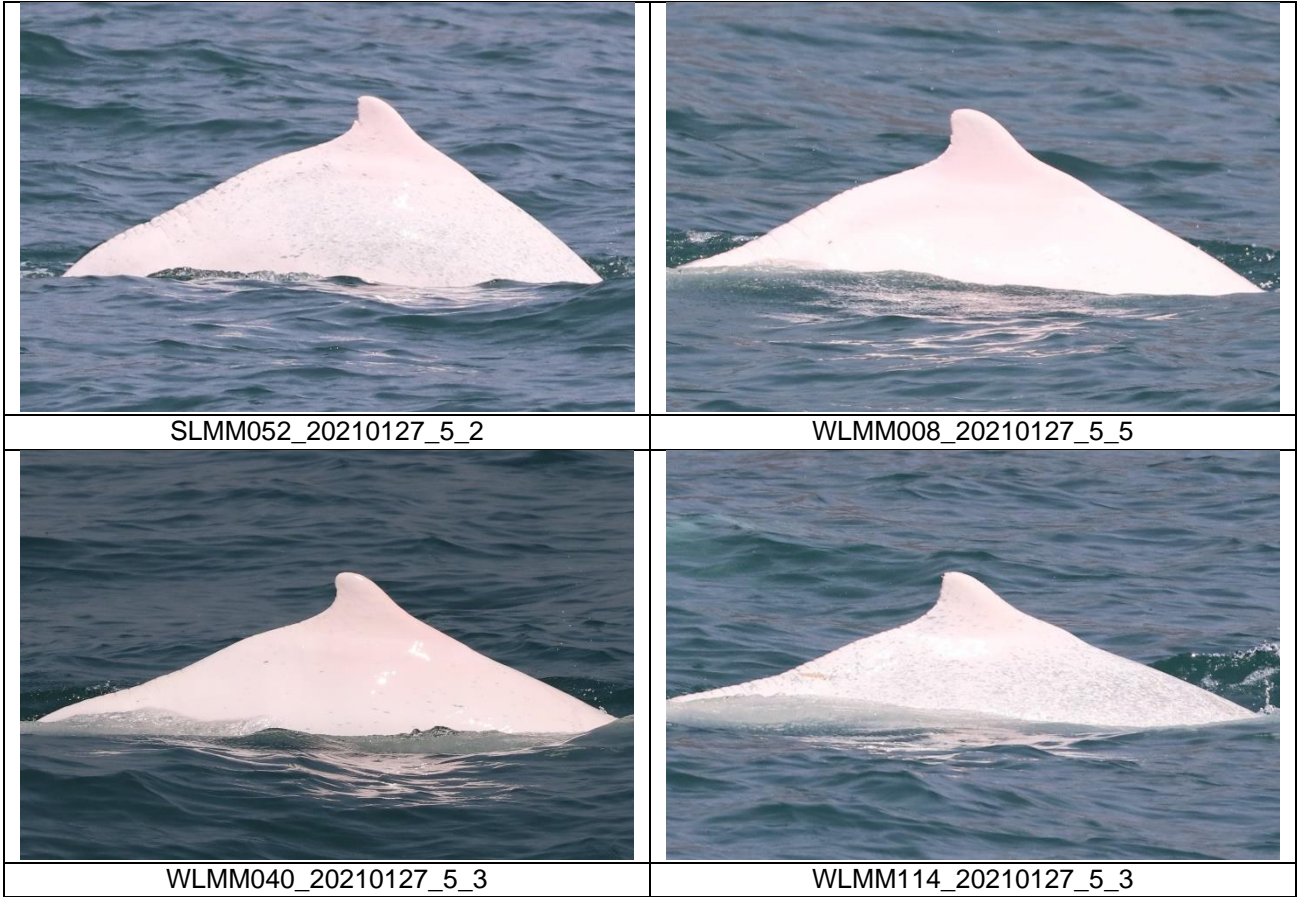




	
NLMM023_20210120_2_8	NLMM039_20210120_2_12
	
NLMM052_20210120_2_3	WLMM052_20210120_2_20
	
WLMM136_20210120_2_6	SLMM060_20210126_2_12
	
SLMM060_20210126_7_10	SLMM031_20210126_8_5







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/Jan/21	Lung Kwu Chau	9:02	15:02	6:00	2	2-3	3	2-3
27/Jan/21	Sha Chau	10:59	16:59	6:00	2	3	0	0

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