

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

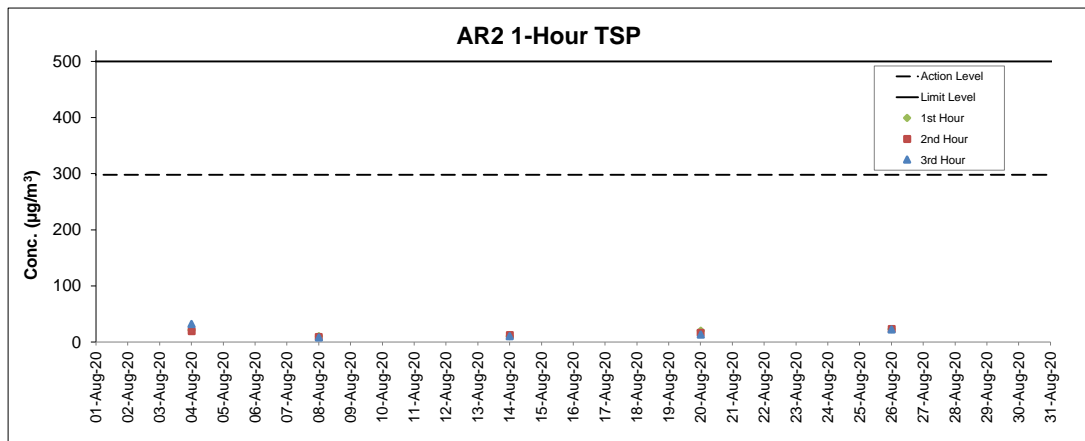
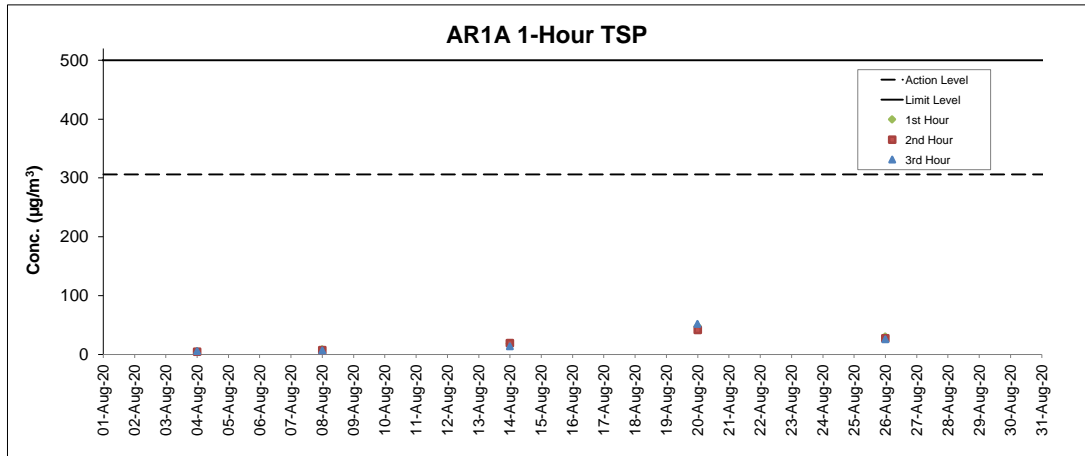
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
04-Aug-20	12:49	Cloudy	3.3	252	6	306	500
04-Aug-20	13:49	Cloudy	5.8	146	5	306	500
04-Aug-20	14:49	Cloudy	3.9	123	6	306	500
08-Aug-20	13:18	Sunny	3.6	259	9	306	500
08-Aug-20	14:18	Sunny	2.5	275	8	306	500
08-Aug-20	15:18	Sunny	3.1	330	7	306	500
14-Aug-20	13:25	Sunny	6.1	153	19	306	500
14-Aug-20	14:25	Sunny	4.7	145	20	306	500
14-Aug-20	15:25	Sunny	5.0	144	14	306	500
20-Aug-20	13:45	Sunny	7.2	103	48	306	500
20-Aug-20	14:45	Sunny	7.5	107	42	306	500
20-Aug-20	15:45	Sunny	6.7	105	52	306	500
26-Aug-20	13:45	Sunny	6.7	220	31	306	500
26-Aug-20	14:45	Sunny	6.9	212	28	306	500
26-Aug-20	15:45	Sunny	8.9	197	26	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 ($\mu\text{g}/\text{m}^3$)
04-Aug-20	12:57	Cloudy	2.8	256	21	298	500
04-Aug-20	13:57	Cloudy	6.1	145	19	298	500
04-Aug-20	14:57	Cloudy	4.2	128	32	298	500
08-Aug-20	9:24	Sunny	3.3	31	10	298	500
08-Aug-20	10:24	Sunny	2.8	variable	9	298	500
08-Aug-20	11:24	Sunny	3.1	286	8	298	500
14-Aug-20	9:29	Sunny	2.8	65	10	298	500
14-Aug-20	10:29	Sunny	4.4	136	12	298	500
14-Aug-20	11:29	Sunny	4.2	156	10	298	500
20-Aug-20	9:42	Sunny	5.0	65	20	298	500
20-Aug-20	10:42	Sunny	5.0	104	16	298	500
20-Aug-20	11:42	Sunny	6.1	109	13	298	500
26-Aug-20	9:38	Sunny	3.3	247	23	298	500
26-Aug-20	10:38	Sunny	4.2	242	23	298	500
26-Aug-20	11:38	Sunny	4.2	236	22	298	500



Notes

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

Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
04-Aug-20	Cloudy	14:03	70.3	53.0	72
04-Aug-20	Cloudy	14:08	69.6	51.7	
04-Aug-20	Cloudy	14:13	74.9	53.1	
04-Aug-20	Cloudy	14:18	71.6	51.8	
04-Aug-20	Cloudy	14:23	73.6	52.1	
04-Aug-20	Cloudy	14:28	71.1	52.1	
14-Aug-20	Sunny	14:35	73.2	53.3	72
14-Aug-20	Sunny	14:40	72.8	51.8	
14-Aug-20	Sunny	14:45	71.4	52.0	
14-Aug-20	Sunny	14:50	69.8	52.2	
14-Aug-20	Sunny	14:55	73.4	52.0	
14-Aug-20	Sunny	15:00	73.0	51.8	
20-Aug-20	Sunny	15:51	71.1	50.7	71
20-Aug-20	Sunny	15:56	71.4	50.1	
20-Aug-20	Sunny	16:01	67.5	49.7	
20-Aug-20	Sunny	16:06	71.1	50.7	
20-Aug-20	Sunny	16:11	73.8	50.9	
20-Aug-20	Sunny	16:16	70.5	51.5	
26-Aug-20	Sunny	13:57	74.0	55.7	71
26-Aug-20	Sunny	14:02	73.7	53.7	
26-Aug-20	Sunny	14:07	74.4	55.5	
26-Aug-20	Sunny	14:12	74.6	64.6	
26-Aug-20	Sunny	14:17	74.5	64.8	
26-Aug-20	Sunny	14:22	76.5	65.2	

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 ₉₀ dB(A)	L _{eq(30mins)} dB(A)
03-Aug-20	Cloudy	13:02	62.9	58.8	64
03-Aug-20	Cloudy	13:07	63.9	59.0	
03-Aug-20	Cloudy	13:12	63.9	59.8	
03-Aug-20	Cloudy	13:17	62.6	58.3	
03-Aug-20	Cloudy	13:22	62.4	58.6	
03-Aug-20	Cloudy	13:27	59.9	56.5	
14-Aug-20	Sunny	14:10	62.7	59.2	64
14-Aug-20	Sunny	14:15	62.4	59.3	
14-Aug-20	Sunny	14:20	62.0	59.3	
14-Aug-20	Sunny	14:25	62.4	58.9	
14-Aug-20	Sunny	14:30	61.8	57.7	
14-Aug-20	Sunny	14:35	61.0	57.4	
20-Aug-20	Sunny	13:59	60.4	56.3	62
20-Aug-20	Sunny	14:04	59.7	55.6	
20-Aug-20	Sunny	14:09	61.4	56.5	
20-Aug-20	Sunny	14:14	59.3	55.8	
20-Aug-20	Sunny	14:19	62.2	57.0	
20-Aug-20	Sunny	14:24	61.2	56.7	
27-Aug-20	Cloudy	13:07	60.9	56.4	62
27-Aug-20	Cloudy	13:12	60.6	56.1	
27-Aug-20	Cloudy	13:17	62.0	57.0	
27-Aug-20	Cloudy	13:22	61.0	57.2	
27-Aug-20	Cloudy	13:27	61.0	56.8	
27-Aug-20	Cloudy	13:32	60.6	57.3	

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)
04-Aug-20	Cloudy	13:42	66.7	44.4	65
04-Aug-20	Cloudy	13:47	49.3	44.3	
04-Aug-20	Cloudy	13:52	51.5	45.0	
04-Aug-20	Cloudy	13:57	51.5	43.8	
04-Aug-20	Cloudy	14:02	51.5	44.5	
04-Aug-20	Cloudy	14:07	58.1	43.6	
14-Aug-20	Sunny	11:11	48.3	42.2	58
14-Aug-20	Sunny	11:16	62.0	41.8	
14-Aug-20	Sunny	11:21	49.9	42.4	
14-Aug-20	Sunny	11:26	59.8	43.0	
14-Aug-20	Sunny	11:31	52.6	43.6	
14-Aug-20	Sunny	11:36	49.9	42.3	
20-Aug-20	Sunny	9:42	51.5	48.0	54
20-Aug-20	Sunny	9:47	50.8	47.9	
20-Aug-20	Sunny	9:52	53.4	47.1	
20-Aug-20	Sunny	9:57	53.1	47.4	
20-Aug-20	Sunny	10:02	54.4	46.1	
20-Aug-20	Sunny	10:07	51.4	46.8	
26-Aug-20	Sunny	9:37	48.0	45.6	53
26-Aug-20	Sunny	9:42	55.9	46.8	
26-Aug-20	Sunny	9:47	59.4	51.6	
26-Aug-20	Sunny	9:52	52.4	47.9	
26-Aug-20	Sunny	9:57	53.4	49.4	
26-Aug-20	Sunny	10:02	54.5	45.3	

Remarks:

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

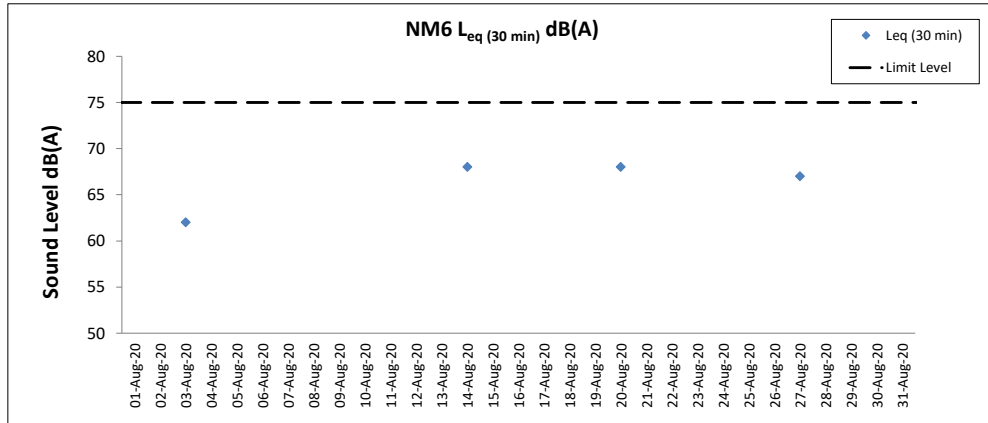
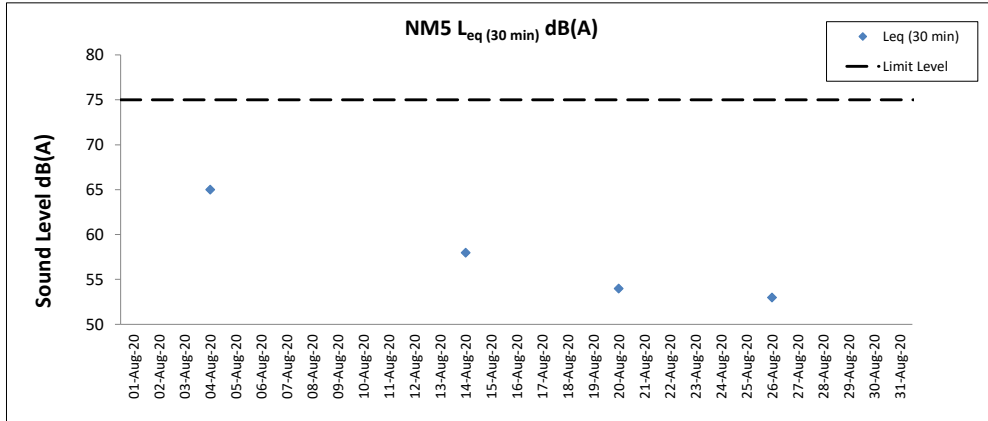
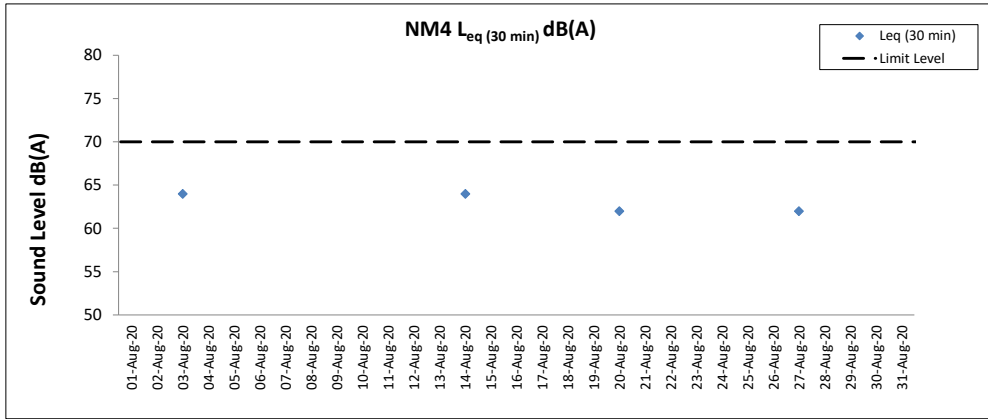
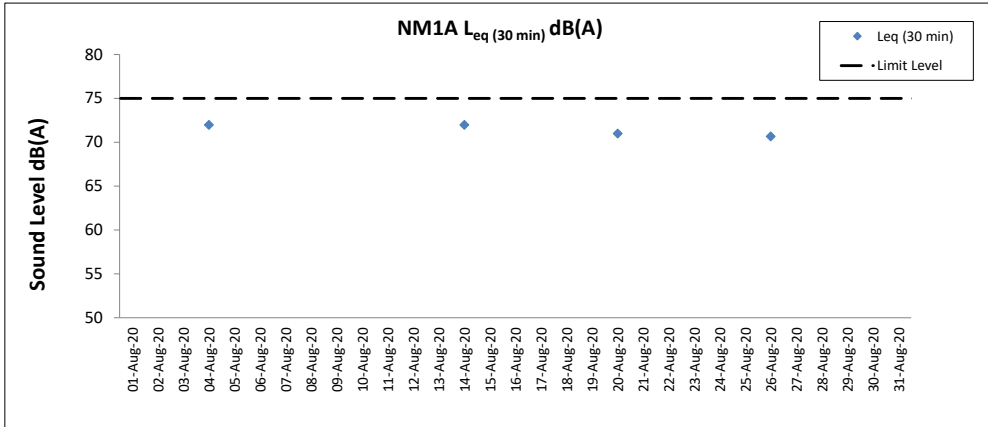
Noise Measurement Results

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)
03-Aug-20	Cloudy	15:50	67.7	55.8	62
03-Aug-20	Cloudy	15:55	67.7	53.9	
03-Aug-20	Cloudy	16:00	63.8	54.1	
03-Aug-20	Cloudy	16:05	68.8	54.2	
03-Aug-20	Cloudy	16:10	72.2	60.1	
03-Aug-20	Cloudy	16:15	70.9	60.1	
14-Aug-20	Sunny	15:40	69.4	54.2	68
14-Aug-20	Sunny	15:45	66.2	51.7	
14-Aug-20	Sunny	15:50	68.4	50.5	
14-Aug-20	Sunny	15:55	66.1	49.5	
14-Aug-20	Sunny	16:00	68.7	54.2	
14-Aug-20	Sunny	16:05	71.6	58.5	
20-Aug-20	Sunny	15:41	67.0	50.8	68
20-Aug-20	Sunny	15:46	61.8	51.5	
20-Aug-20	Sunny	15:51	61.7	56.2	
20-Aug-20	Sunny	15:56	64.7	55.7	
20-Aug-20	Sunny	16:01	63.4	57.1	
20-Aug-20	Sunny	16:06	60.1	45.9	
27-Aug-20	Cloudy	15:48	69.1	55.3	67
27-Aug-20	Cloudy	15:53	71.8	54.5	
27-Aug-20	Cloudy	15:58	68.0	53.3	
27-Aug-20	Cloudy	16:03	65.4	49.2	
27-Aug-20	Cloudy	16:08	60.5	53.2	
27-Aug-20	Cloudy	16:13	60.6	48.4	

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 04 August 20 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	12:51	8.8	Surface	1.0	0.4	227	27.9	27.9	8.2	8.2	27.0	27.0	94.3	94.3	6.4	6.4	3.3	2	84	89	815597	804258	<0.2	0.8	0.8				
						1.0	0.5	232	27.9	8.2	8.2	27.0	27.0	94.2	94.2	6.4	6.4	3.3	2	85	89	<0.2	0.8								
						4.4	0.4	210	27.4	27.4	8.2	8.2	29.9	30.0	89.0	89.0	6.0	6.0	3.7	3	90	90	<0.2	0.7							
					Middle	4.4	0.4	214	27.4	27.4	8.2	8.2	30.0	30.0	88.9	88.9	6.0	6.0	3.7	3	93	93	<0.2	0.8							
						7.8	0.4	204	27.3	27.3	8.2	8.2	30.8	30.8	83.8	84.0	5.6	5.6	6.0	2	94	94	<0.2	0.7							
						7.8	0.4	213	27.3	27.3	8.2	8.2	30.6	30.6	84.1	84.1	5.6	5.6	5.8	2	86	86	<0.2	1.0							
					Bottom	1.0	0.6	170	27.0	27.0	7.9	7.9	24.9	24.9	80.1	80.1	5.5	5.5	6.1	<2	87	87	<0.2	1.2							
						1.0	0.6	181	27.1	27.1	7.9	7.9	25.2	25.3	77.2	77.2	5.4	5.4	5.8	4	88	88	<0.2	1.1							
						5.7	0.6	166	26.7	26.7	7.9	7.9	25.3	25.3	77.1	77.1	5.4	5.4	5.7	5	88	88	<0.2	1.0							
C2	Cloudy	Moderate	11:51	11.4	Surface	1.0	0.6	181	27.1	27.1	7.9	7.9	24.9	24.9	80.1	80.1	5.5	5.5	6.1	<2	86	86	825692	806951	<0.2	1.1	1.1				
						1.0	0.6	166	26.7	26.7	7.9	7.9	25.2	25.3	77.2	77.2	5.4	5.4	5.8	4	88	88	<0.2	1.2							
						5.7	0.6	180	26.7	26.7	7.9	7.9	25.3	25.3	77.1	77.1	5.4	5.4	5.7	5	88	88	<0.2	1.0							
					Middle	10.4	0.4	145	26.1	26.1	7.9	7.9	26.8	26.8	73.2	73.4	5.1	5.1	6.5	4	90	90	<0.2	1.2							
						10.4	0.5	147	26.1	26.1	7.9	7.9	26.7	26.8	73.5	73.5	5.1	5.1	6.1	5	90	90	<0.2	1.1							
						1.0	0.2	119	26.7	26.7	7.9	7.9	25.9	25.9	79.3	79.2	5.5	5.5	2.1	6	86	86	<0.2	1.2							
					Bottom	1.0	0.2	120	26.7	26.7	7.9	7.9	25.9	25.9	79.0	79.0	5.5	5.5	2.1	6	86	86	<0.2	1.1							
						5.7	0.2	123	26.4	26.4	7.9	7.9	26.5	26.6	77.6	77.5	5.4	5.4	3.5	2	88	88	<0.2	1.0							
						5.7	0.2	131	26.4	26.4	7.9	7.9	26.6	26.6	77.4	77.4	5.4	5.4	3.6	2	89	89	<0.2	1.1							
C3	Cloudy	Moderate	13:29	11.4	Surface	1.0	0.2	119	26.7	26.7	7.9	7.9	25.9	25.9	79.3	79.2	5.5	5.5	2.1	6	86	86	822093	817783	<0.2	1.1	1.1				
						1.0	0.2	120	26.7	26.7	7.9	7.9	25.9	25.9	79.0	79.0	5.5	5.5	2.1	6	86	86	<0.2	1.1							
						5.7	0.2	123	26.4	26.4	7.9	7.9	26.5	26.6	77.6	77.5	5.4	5.4	3.5	2	88	88	<0.2	1.0							
					Middle	5.7	0.2	131	26.4	26.4	7.9	7.9	26.6	26.6	77.4	77.4	5.4	5.4	3.6	2	89	89	<0.2	1.1							
						10.4	0.3	77	26.1	26.1	7.9	7.9	27.5	27.4	72.9	73.1	5.1	5.1	7.3	<2	90	90	<0.2	1.1							
						10.4	0.4	78	26.2	26.2	7.9	7.9	27.3	27.4	73.3	73.3	5.1	5.1	6.6	<2	91	91	<0.2	1.0							
					Bottom	1.0	0.1	198	27.4	27.4	8.2	8.2	27.3	27.3	82.1	82.0	5.6	5.6	5.3	<2	87	87	<0.2	0.8							
						1.0	0.1	202	27.3	27.3	8.2	8.2	27.3	27.3	81.9	81.9	5.6	5.6	5.4	<2	87	87	<0.2	0.8							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	817944		807129	<0.2	0.8	
IM1	Sunny	Moderate	12:32	5.4	Surface	4.4	0.1	146	27.2	27.2	8.2	8.2	28.5	28.5	80.9	81.2	5.5	5.5	6.0	3	93	93	817944	807129	<0.2	0.8	0.8				
						4.4	0.1	148	27.2	27.2	8.2	8.2	28.5	28.5	81.4	81.4	5.5	5.5	6.1	3	95	95	<0.2	0.8							
						1.0	0.2	180	27.3	27.3	8.2	8.2	27.0	27.0	86.3	86.4	5.9	5.9	4.7	3	88	88	<0.2	0.7							
					Middle	1.0	0.2	185	27.3	27.3	8.2	8.2	27.0	27.0	86.4	86.4	5.9	5.9	4.6	2	89	89	<0.2	0.7							
						3.8	0.2	157	27.3	27.3	8.2	8.2	28.8	28.9	85.2	85.1	5.7	5.7	4.0	2	93	93	<0.2	0.7							
						3.8	0.2	170	27.3	27.3	8.2	8.2	28.8	28.9	85.0	85.0	5.7	5.7	4.0	2	93	93	<0.2	0.8							
					Bottom	6.6	0.2	130	27.3	27.3	8.2	8.2	29.7	29.7	84.4	84.5	5.7	5.7	5.4	<2	96	96	<0.2	0.8							
						6.6	0.2	133	27.3	27.3	8.2	8.2	29.7	29.7	84.6	84.6	5.7	5.7	5.5	<2	96	96	<0.2	0.8							
						1.0	0.2	141	27.6	27.6	8.2	8.2	27.4	27.4	87.1	87.1	5.9	5.9	4.3	4	88	88	<0.2	0.8							
IM2	Sunny	Moderate	12:25	7.6	Surface	1.0	0.2	141	27.6	27.6	8.2	8.2	27.4	27.4	87.1	87.1	5.9	5.9	4.4	4	88	88	818144	806159	<0.2	0.8	0.8				
						1.0	0.2	141	27.6	27.6	8.2	8.2	27.4	27.4	87.1	87.1	5.9	5.9	4.4	4	88	88	<0.2	0.8							
						4.0	0.3	147	27.3	27.3	8.2	8.2	28.3	28.3	82.2	82.3	5.6	5.6	7.1	3	91	91	<0.2	0.8							
					Middle	4.0	0.3	148	27.3	27.3	8.2	8.2	28.3	28.3	82.3	82.3	5.6	5.6	7.1	2	92	92	<0.2	0.8							
						6.6	0.2	130	27.3	27.3	8.2	8.2	29.7	29.7	84.4	84.5	5.7	5.7	5.4	<2	96	96	<0.2	0.8							
						6.6	0.2	133	27.3	27.3	8.2	8.2	29.7	29.7	84.6	84.6	5.7	5.7	5.5	<2	96	96	<0.2	0.8							
					Bottom	1.0	0.2	141	27.6	27.6	8.2	8.2	27.4	27.4	87.1	87.1	5.9	5.9	4.3	4	88	88	<0.2	0.8							
						1.0	0.2	141	27.6	27.6	8.2	8.2	27.4	27.4	87.1	87.1	5.9	5.9	4.4	4	88	88	<0.2	0.8							
						4.0	0.3	147	27.3	27.3	8.2	8.2	28.3	28.3	82.2	82.3	5.6	5.6	7.1	3	91	91	<0.2	0.8							
IM3	Sunny	Moderate	12:20	7.9	Surface	4.0	0.3	148	27.3	27.3	8.2	8.2	28.3	28.3	82.3	82.3	5.6	5.6	7.1	2	92	92	818794	805582	<0.2	0.8	0.8				
						4.0	0.3	148	27.3	27.3	8.2	8.2	28.3	28.3	82.3	82.3	5.6	5.6	7.1	2	92	92	<0.2	0.8							
						6.9	0.2	140	27.2	27.2	8.2	8.2	29.8	29.8	82.5	82.6	5.5	5.5	7.3	3	97	97	<0.2	0.8							
					Middle	6.9	0.3	150	27.2	27.2	8.2	8.2	29.8	29.8	82.6	82.6	5.5	5.5	7.4	2	96	96	<0.2	0.8							
						1.0	0.7	192	27.3	27.3	8.2	8.2	27.3	27.3	83.9	83.9	5.7	5.7	5.1	3	87	87	<0.2	0.7							
						1.0	0.8	206	27.3	27.3	8.2	8.2	27.3	27.3	83.8	83.8	5.7	5.7	5.1	3	88	88	<0.2	0.8							
					Bottom	4.4	0.5	177	27.2	27.2	8.3	8.3	29.1	29.1	82.3	82.3	5.6	5.6	6.0	3	91	91	<0.2	0.8							
						4.4	0.6	194	27.2	27.2	8.3	8.3	29.1	29.1	82.3	82.3	5.6	5.6	6.0	2	92	92	<0.2	0.9							
						7.7	0.4	161	27.3	27.3	8.3	8.3	29.2	29.2	83.3	83.4	5.6	5.6	6.6	<2	96	96	<0.2	0.8							
IM4	Sunny	Moderate	12:12	8.7	Surface	7.7	0.4	177	27.3	27.3	8.3	8.3	29.2	29.2	83.3	83.4	5.6	5.6	6.6	<2	96	96	819730	804587	<0.2	0.8	0.8				
						7.7	0.4	177	27.3	27.3	8.3	8.3	29.2	29.2	83.5	83.5	5.6	5.6	6.8	<2	96	96	<0.2	0.7							
						1.0	0.6	213	27.4	27.4	8.2	8.2	26.2	26.2	88.0	88.0	6.0	6.0	4.0	2	89	89	<0.2	0.8							
					Middle	1.0	0.6	224	27.4	27.4	8.2	8.2	26.2	26.2	88.0	88.0	6.0	6.0	4.0	2	90	90	<0.2	0.7							
						4.2	0.5	176	27.2	27.2	8.2	8.2	28.8	28.8	82.0	82.0	5.5	5.5	5.2	2	93	93	<0.2	0.8							

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 August 20 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	Rainy	Moderate	07:04	9.0	Surface	1.0	0.6	34	27.1	8.1	8.1	26.3	26.3	84.8	84.7	5.8	5.7	4.3	4	87	91	815608	804251	<0.2	0.7	<0.2	0.7						
						1.0	0.7	35	27.1	8.1	8.1	26.3	26.3	84.5	84.5	5.8	5.7	4.3	4	88	91												
					Middle	4.5	0.5	37	27.2	27.2	8.1	8.1	29.3	29.3	82.7	82.7	5.6	5.6	5.6	4	91	91											
						4.5	0.5	39	27.2	27.2	8.1	8.1	29.3	29.3	82.7	82.7	5.6	5.6	5.6	4	91	91											
					Bottom	8.0	0.4	31	27.1	27.1	8.1	8.0	30.1	30.1	82.8	82.9	5.6	5.6	6.6	2	94	94											
						8.0	0.4	32	27.1	27.1	8.0	8.0	30.1	30.1	82.9	82.9	5.6	5.6	6.6	3	94	94											
C2	Cloudy	Moderate	07:22	12.5	Surface	1.0	0.5	221	26.9	8.0	8.0	22.5	22.5	79.3	79.1	5.6	5.6	3.2	2	87	88	825685	806923	<0.2	1.1	<0.2	1.1						
						1.0	0.5	228	26.9	8.0	8.0	22.6	22.6	78.9	78.9	5.6	5.6	3.4	3	88	88												
					Middle	6.3	0.4	290	26.6	26.6	8.0	8.0	25.2	25.2	76.7	76.7	5.3	5.3	8.4	2	89	89											
						6.3	0.4	293	26.6	26.6	8.0	8.0	25.2	25.2	76.7	76.7	5.3	5.3	8.0	2	90	90											
					Bottom	11.5	0.3	304	26.5	26.5	8.0	8.0	25.4	25.4	78.2	78.3	5.4	5.5	7.6	2	90	90											
						11.5	0.4	333	26.6	26.6	8.0	8.0	25.4	25.4	78.4	78.4	5.4	5.5	7.6	2	90	90											
C3	Rainy	Moderate	05:41	11.7	Surface	1.0	0.4	285	26.5	26.5	7.9	7.9	24.5	24.5	80.3	80.3	5.6	5.6	1.3	<2	86	88	822089	817801	<0.2	1.2	<0.2	1.1					
						1.0	0.4	291	26.5	26.5	7.9	7.9	24.5	24.5	80.3	80.3	5.6	5.6	1.3	<2	85	88											
					Middle	5.9	0.4	283	26.2	26.2	7.9	7.9	26.3	26.3	74.0	73.9	5.2	5.1	1.6	2	88	89											
						5.9	0.4	285	26.2	26.2	7.9	7.9	26.3	26.3	73.7	73.9	5.1	5.1	1.6	2	89	89											
					Bottom	10.7	0.5	279	25.8	25.8	7.9	7.9	28.0	28.0	71.1	71.2	4.9	5.0	8.6	2	90	90											
						10.7	0.5	294	25.8	25.8	7.9	7.9	28.0	28.0	71.2	71.2	4.9	5.0	8.2	2	90	90											
IM1	Fine	Moderate	07:22	5.8	Surface	1.0	0.3	6	27.0	27.0	8.1	8.0	27.2	27.2	80.0	80.0	5.5	5.5	5.7	6	88	91	817931	807145	<0.2	1.0	<0.2	0.9					
						1.0	0.3	6	27.0	27.0	8.0	8.0	27.2	27.2	79.9	79.9	5.5	5.5	5.8	5	88	91											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					Bottom	4.8	0.1	1	26.9	26.9	8.0	8.0	27.6	27.6	78.9	79.1	5.4	5.4	6.2	5	93	94											
						4.8	0.1	1	26.9	26.9	8.0	8.0	27.6	27.6	79.2	79.2	5.4	5.4	6.1	5	94	94											
IM2	Fine	Moderate	07:29	7.9	Surface	1.0	0.3	346	27.1	27.1	8.1	8.1	26.4	26.4	84.6	84.6	5.8	5.7	3.9	4	87	91	818139	806154	<0.2	1.1	<0.2	1.0					
						1.0	0.3	346	27.1	27.1	8.1	8.1	26.4	26.4	84.5	84.5	5.8	5.7	4.0	4	87	91											
					Middle	4.0	0.3	2	27.1	27.1	8.1	8.1	27.8	27.8	80.5	80.5	5.5	5.5	5.4	5	90	91											
						4.0	0.3	2	27.1	27.1	8.1	8.1	27.8	27.8	80.5	80.5	5.5	5.5	5.2	4	91	91											
					Bottom	6.9	0.3	5	27.1	27.1	8.0	8.0	27.9	27.9	81.1	81.2	5.5	5.5	6.5	4	95	95											
						6.9	0.3	5	27.1	27.1	8.0	8.0	27.9	27.9	81.3	81.3	5.5	5.5	6.3	5	94	94											
IM3	Fine	Moderate	07:35	8.2	Surface	1.0	0.5	336	27.1	27.1	8.1	8.1	26.1	26.1	86.1	86.0	5.9	5.9	4.3	3	85	91	818772	805591	<0.2	0.7	<0.2	0.7					
						1.0	0.5	351	27.1	27.1	8.1	8.1	26.1	26.1	85.9	85.9	5.9	5.9	4.5	4	86	86											
					Middle	4.1	0.4	341	27.1	27.1	8.1	8.1	27.9	27.9	79.3	79.3	5.4	5.5	5.5	5	91	91											
						4.1	0.4	314	27.1	27.1	8.1	8.1	27.9	27.9	79.2	79.3	5.4	5.7	5.7	4	93	93											
					Bottom	7.2	0.3	338	27.1	27.1	8.1	8.1	28.1	28.1	79.6	79.7	5.4	5.4	6.5	5	93	93											
						7.2	0.3	340	27.1	27.1	8.1	8.1	28.1	28.1	79.7	79.7	5.4	5.4	6.4	4	95	95											
IM4	Fine	Moderate	07:43	9.0	Surface	1.0	0.9	351	27.1	27.1	8.1	8.1	26.1	26.1	86.1	86.0	5.9	5.9	5.6	5	86	91	819716	804597	<0.2	0.6	<0.2	0.7					
						1.0	0.9	323	27.1	27.1	8.1	8.1	26.1	26.1	85.9	85.9	5.9	5.5	5.5	5	87	87											
					Middle	4.5	0.7	358	27.1	27.1	8.1	8.1	28.6	28.6	80.2	80.3	5.4	5.4	6.6	6	90	91											
						4.5	0.7	359	27.1	27.1	8.1	8.1	28.6	28.6	80.3	80.3	5.4	5.4	6.7	5	91	91											
					Bottom	8.0	0.6	357	27.1	27.1	8.1	8.1	28.7	28.7	81.1	81.1	5.5	5.5	7.7	4	95	95											
						8.0	0.6	328	27.1	27.1	8.1	8.1	28.7	28.7	81.3	81.3	5.5	5.5	7.9	5	94	94											
IM5	Fine	Moderate	07:50	8.4	Surface	1.0	1.1	9	27.1	27.1	8.1	8.1	27.3	27.3	80.5	80.5	5.7	5.7	5	87	91	820735	804881	<0.2	1.1	<0.2	0.8						
						1.0	1.2	9	27.1	27.1	8.1	8.1	27.4	27.3	80.4	80.5	5.5	5.5	5.4	4	88	88											
					Middle	4.2	0.9	15	27.1	27.1	8.1	8.1	27.7	27.7	79.9	79.9	5.5	5.5	6.3	4	91	91											
						4.2	0.9	16	27.1	27.1	8.1	8.1	27.7	27.7	79.9	79.9	5.5	5.5	6.4	4	92	92											
					Bottom	7.4	0.8	18	27.1	27.1	8.1	8.1	28.0	28.0	80.0	80.0	5.4	5.4	7.4	5	95	95											
						7.4	0.9	18	27.1	27.1	8.1	8.1	28.0	28.0	80.0	80.0	5.5	5.5	7.5	4	95	95											
IM6	Fine	Moderate	07:58	8.0	Surface	1.0	0.1	225	27.1	27.1	8.1	8.1	24.5	24.5	85.1	84.9	5.9	5.9	3.1	3	87	91	821049	805844	<0.2	1.1	<0.2	1.0					
						1.0	0.1	234	27.1	27.1	8.1	8.1	24.6	24.5	84.7	84.7	5.9	5.9	3.2	4	88	88											
					Middle	4.0	0.2	39	27.0	27.0	8.1	8.1	26.0	26.0	81.2	81.1	5.6	5.6	5.3	3	91	91											
						4.0	0.2	41	27.0	27.0	8.1	8.1	26.1	26.0	80.9	80.9	5.6	5.6	5.4	3	92	92											
					Bottom	7.0	0.1	48	27.0	27.0	8.0	8.0	27.0	27.0	79.0	79.1	5.4	5.4	6.9	6	92	92											
						7.0	0.1	50	27.0	27.0	8.0	8.0	27.1	27.0	79.2	79.1	5.4	5.4	7.0	5	93	93											
IM7	Fine	Moderate	08:06	9.6	Surface	1.0	0.1	260	27.2	27.2	8.0	8.0	23.3	23.3	87.4	87.3	6.1	5.9	2.9	4	85	90	821333	806857	<0.2	1.0	<0.2	1.0					
						1.0	0.1	266	27.2	27.2	8.0	8.0	23.3	23.3	87.1	87.1	6.1	6.1	3.0	3	86	86											
					Middle	4.8	0.2	124	27.1	27.1	8.1	8.1	25.6	25.6	83.3	83.2	5.7	5.7	4.1	4	90	90											
						4.8	0.2	130	27.1	27.1	8.1	8.1	25.6	25.6	83.1	83.1	5.7	5.7	4.2	4	90	90											
					Bottom	8.6	0.2	98	27.0	27.0	8.0	8.0	27.6	27.6	80.7	80.8	5.5	5.5	5.6	4	95	95											
						8.6	0.2	106	27.0	27.0	8.0	8.0	27.6	27.6	80.8	80.8	5.5	5.5	5.6	3	94	94											
IM8	Cloudy	Moderate	07:00	8.5	Surface	1.0	0.2	268	26.8	26.8	7.9	7.9	23.4	23.4	79.8	79.7	5.6	5.6	2.5	3	86	89	821819	808132	<0.2	1.0	<0.2	1.0					
						1.0	0.2	291	26.8	26.8	7.9	7.9	23.4</																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 04 August 20 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)					
					Surface	Bottom			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	Moderate	06:55	8.0	Surface	1.0	0.5	279	26.8	26.8	7.9	7.9	23.5	23.5	78.9	78.9	5.5	5.5	4.5	2	86	88	88	88	88	88	822093	808815	<0.2	1.0				
						1.0	0.5	287	26.8	26.8	7.9	7.9	23.5	23.5	78.9	78.9	5.5	5.5	4.5	3	86	88	88	88	88	88	822093	808815	<0.2	1.0				
					Middle	4.0	0.5	276	26.8	26.8	7.9	7.9	23.6	23.6	78.8	78.8	5.5	5.5	8.2	4	88	88	88	88	88	88	822093	808815	<0.2	1.0				
						4.0	0.5	287	26.8	26.8	7.9	7.9	23.6	23.6	78.9	78.9	5.5	5.5	8.5	3	88	88	88	88	88	88	822093	808815	<0.2	1.0				
					Bottom	7.0	0.4	280	26.8	26.8	7.9	7.9	23.6	23.6	79.4	79.4	5.6	5.6	10.1	3	90	90	90	90	90	90	90	90	822093	808815	<0.2	1.0		
						7.0	0.4	305	26.8	26.8	7.9	7.9	23.6	23.6	79.6	79.6	5.6	5.6	10.1	4	90	90	90	90	90	90	90	90	822093	808815	<0.2	1.0		
IM10	Cloudy	Moderate	06:48	7.8	Surface	1.0	0.6	303	26.8	26.8	7.9	7.9	23.4	23.5	80.7	80.7	5.7	5.7	3.7	4	85	86	88	88	88	88	822379	809783	<0.2	1.0				
						1.0	0.6	306	26.8	26.8	7.9	7.9	23.5	23.5	80.6	80.6	5.7	5.7	3.9	3	86	88	88	88	88	88	822379	809783	<0.2	1.1				
					Middle	3.9	0.7	309	26.8	26.8	7.9	7.9	23.7	23.7	79.8	79.8	5.6	5.6	5.8	2	88	88	88	88	88	88	822379	809783	<0.2	1.0				
						3.9	0.7	310	26.7	26.8	7.9	7.9	23.7	23.7	79.6	79.6	5.6	5.6	6.5	3	88	88	88	88	88	88	822379	809783	<0.2	1.1				
					Bottom	6.8	0.4	301	26.6	26.6	7.9	7.9	24.7	24.7	78.7	78.8	5.5	5.5	10.9	3	90	90	90	90	90	90	90	90	822379	809783	<0.2	1.0		
						6.8	0.5	302	26.6	26.6	7.9	7.9	24.7	24.7	78.9	78.9	5.5	5.5	9.8	2	90	90	90	90	90	90	90	90	822379	809783	<0.2	1.0		
IM11	Cloudy	Moderate	06:39	8.3	Surface	1.0	0.7	322	26.7	26.7	7.9	7.9	23.9	23.9	80.3	80.2	5.6	5.6	3.5	2	86	86	88	88	88	88	822064	811466	<0.2	1.0				
						1.0	0.7	337	26.7	26.7	7.9	7.9	23.9	23.9	80.1	80.1	5.6	5.6	3.5	2	86	86	88	88	88	88	822064	811466	<0.2	1.0				
					Middle	4.2	0.7	316	26.6	26.6	7.9	7.9	24.8	24.8	78.2	78.1	5.5	5.5	7.6	4	88	88	88	88	88	88	822064	811466	<0.2	1.0				
						4.2	0.8	333	26.5	26.6	7.9	7.9	24.8	24.8	78.0	78.1	5.5	5.5	7.1	3	88	88	88	88	88	88	822064	811466	<0.2	1.0				
					Bottom	7.3	0.6	312	26.3	26.3	7.9	7.9	26.0	26.0	77.2	77.3	5.4	5.4	10.4	3	90	90	90	90	90	90	90	90	822064	811466	<0.2	1.0		
						7.3	0.6	325	26.3	26.3	7.9	7.9	26.0	26.0	77.4	77.3	5.4	5.4	10.4	3	90	90	90	90	90	90	90	90	822064	811466	<0.2	1.0		
IM12	Cloudy	Moderate	06:34	8.8	Surface	1.0	0.5	264	26.7	26.7	7.9	7.9	23.9	24.0	79.6	79.4	5.6	5.6	2.0	3	86	86	88	88	88	88	821446	812053	<0.2	1.0				
						1.0	0.5	287	26.7	26.7	7.9	7.9	24.1	24.0	79.2	79.2	5.5	5.5	2.2	2	86	86	88	88	88	88	821446	812053	<0.2	1.0				
					Middle	4.4	0.6	262	26.5	26.5	7.9	7.9	25.1	25.1	76.6	76.5	5.4	5.4	5.2	4	89	89	88	88	88	88	821446	812053	<0.2	1.0				
						4.4	0.6	271	26.5	26.5	7.9	7.9	25.2	25.1	76.3	76.5	5.3	5.3	5.6	3	88	88	88	88	88	88	821446	812053	<0.2	1.0				
					Bottom	7.8	0.6	279	26.2	26.2	7.9	7.9	26.1	26.1	76.7	76.8	5.4	5.4	10.1	3	90	90	90	90	90	90	90	90	821446	812053	<0.2	1.0		
						7.8	0.6	287	26.2	26.2	7.9	7.9	26.1	26.1	76.9	76.8	5.4	5.4	10.4	4	90	90	90	90	90	90	90	90	821446	812053	<0.2	0.9		
SR1A	Rainy	Moderate	06:13	5.0	Surface	1.0	-	-	26.8	26.8	7.9	7.9	23.5	23.6	80.5	80.6	5.7	5.7	1.7	3	-	-	-	-	-	-	819976	812660	-	-				
						1.0	-	-	26.8	26.8	7.9	7.9	23.6	23.6	80.6	80.6	5.7	5.7	1.6	4	-	-	-	-	-	-	-	819976	812660	-	-			
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2	-	-	-	-	-	-	-	-	-		
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.0	-	-	26.7	26.7	7.9	7.9	23.8	23.8	82.7	82.9	5.8	5.8	4.7	3	-	-	-	-	-	-	-	-	-	-	-	-		
						4.0	-	-	26.7	26.7	7.9	7.9	23.8	23.8	83.0	82.9	5.8	5.8	4.8	4	-	-	-	-	-	-	-	-	-	-	-	-		
SR2	Rainy	Moderate	06:01	5.1	Surface	1.0	0.1	282	26.5	26.5	7.9	7.9	25.0	25.1	76.6	76.5	5.4	5.4	3.1	3	88	87	88	88	88	88	821486	814182	<0.2	1.0				
						1.0	0.1	301	26.4	26.5	7.9	7.9	25.2	25.1	76.3	76.5	5.3	5.3	3.3	3	87	87	88	88	88	88	821486	814182	<0.2	1.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.9	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.1	0.2	316	26.3	26.3	7.9	7.9	25.9	25.9	75.5	75.6	5.3	5.3	4.7	3	90	90	90	90	90	90	90	90	821486	814182	<0.2	0.9		
						4.1	0.3	323	26.3	26.3	7.9	7.9	25.9	25.9	75.6	75.6	5.3	5.3	4.6	4	91	91	91	91	91	91	91	91	821486	814182	<0.2	1.1		
SR3	Cloudy	Moderate	07:05	9.6	Surface	1.0	0.1	261	26.8	26.8	8.0	8.0	22.6	22.6	81.0	80.9	5.7	5.7	2.2	3	-	-	-	-	-	-	822130	807553	-	-				
						1.0	0.1	267	26.8	26.8	8.0	8.0	22.6	22.6	80.7	80.9	5.7	5.7	2.2	3	-	-	-	-	-	-	-	822130	807553	-	-			
					Middle	4.8	0.2	278	26.7	26.7	8.0	8.0	24.4	24.4	79.4	79.4	5.5	5.5	3.6	3	-	-	-	-	-	-	-	-	822130	807553	-	-		
						4.8	0.2	292	26.7	26.7	8.0	8.0	24.6	24.5	79.4	79.4	5.5	5.5	4.1	2	-	-	-	-	-	-	-	-	822130	807553	-	-		
					Bottom	8.6	0.2	10	26.7	26.7	8.0	8.0	25.4	25.4	80.0	80.2	5.6	5.6	6.0	3	-	-	-	-	-	-	-	-	-	822130	807553	-	-	
						8.6	0.2	10	26.7	26.7	8.0	8.0	25.3	25.3	80.3	80.2	5.6	5.6	6.4	4	-	-	-	-	-	-	-	-	-	822130	807553	-	-	
SR4A	Rainy	Calm	06:41	9.8	Surface	1.0	0.2	253	27.1	27.1	8.1	8.1	25.7	25.7	85.0	85.0	5.9	5.9	3.6	4	-	-	-	-	-	-	817194	807793	-	-				
						1.0	0.2	261	27.1	27.1	8.1	8.1	25.7	25.7	84.9	85.0	5.8	5.8	3.6	3	-	-	-	-	-	-	-	817194	807793	-	-			
					Middle	4.9	0.0	218	27.1	27.1	8.1	8.1	26.6	26.6	80.3	80.2	5.5	5.5	4.8	3	-	-	-	-	-	-	-	-	817194	807793	-	-		
						4.9	0.0	223	27.1	27.1	8.1	8.1	26.7	26.6	80.1	80.2	5.5	5.5	4.9	3	-	-	-	-	-	-	-	-	817194	807793	-	-		
					Bottom	8.8	0.1	55	26.9	27.0	8.0	8.0	27.4	27.3	77.0	77.1	5.3	5.3	6.7	6	-	-	-	-	-	-	-	-	-	817194	807793	-	-	
						8.8																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 August 20 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	14:09	8.9	Surface	1.0	0.6	223	28.8	28.8	8.3	8.3	24.2	24.2	98.2	98.2	6.6	6.2	5.2	7.8	4	4	87	90	815627	804258	<0.2	1.0	1.1	1.1				
						1.0	0.6	241	28.7	28.7	8.3	8.4	24.2	27.9	98.2	98.2	6.6	6.2	5.5	7.8	4	4	87	90	815627	804258	<0.2	1.2	1.1	1.1				
					Middle	4.5	0.5	211	27.7	27.7	8.4	8.4	27.9	27.9	86.4	86.4	5.8	5.8	6.3	5	5	89	90	815627	804258	<0.2	1.1	1.1	1.1	1.1				
						4.5	0.5	215	27.7	27.7	8.4	8.4	27.6	27.6	86.3	86.3	5.8	5.8	6.3	5	5	89	90	815627	804258	<0.2	1.1	1.1	1.1	1.1				
						4.5	0.3	199	27.6	27.6	8.4	8.4	28.0	29.0	84.2	84.2	5.6	5.6	11.8	5	5	93	93	815627	804258	<0.2	1.0	1.0	1.0	1.0				
						7.9	0.4	210	27.6	27.6	8.4	8.4	28.0	29.0	84.2	84.2	5.6	5.6	11.6	4	4	93	93	815627	804258	<0.2	1.0	1.0	1.0	1.0				
C2	Fine	Moderate	13:07	12.6	Surface	1.0	0.6	163	28.0	28.0	7.9	7.9	22.6	22.6	89.6	89.6	6.2	5.9	2.9	7.5	4	4	86	89	825675	806951	<0.2	1.2	1.1	1.1				
						1.0	0.6	173	27.9	27.9	7.9	7.9	25.1	25.2	79.2	79.0	5.5	5.5	8.4	4	4	89	89	825675	806951	<0.2	1.1	1.1	1.1					
					Middle	6.3	0.4	149	27.1	27.1	7.9	7.9	25.2	25.2	78.8	78.8	5.5	5.5	8.7	3	3	89	89	825675	806951	<0.2	1.1	1.1	1.1	1.1				
						6.3	0.4	155	27.0	27.0	7.9	7.9	25.9	25.9	79.5	79.5	5.5	5.5	11.1	2	2	91	91	825675	806951	<0.2	1.0	1.0	1.0	1.0				
						11.6	0.3	158	26.8	26.8	7.9	7.9	25.9	25.9	79.8	79.8	5.5	5.5	11.1	3	3	91	91	825675	806951	<0.2	1.0	1.0	1.0	1.0				
						11.6	0.3	165	26.8	26.8	7.9	7.9	25.9	25.9	79.8	79.8	5.5	5.5	11.1	3	3	91	91	825675	806951	<0.2	1.0	1.0	1.0	1.0				
C3	Fine	Moderate	14:48	12.4	Surface	1.0	0.6	89	27.5	27.5	7.9	7.9	24.3	24.3	85.1	85.2	5.9	5.8	2.6	7	7	88	91	822101	817817	<0.2	1.0	1.0	1.0	1.0				
						1.0	0.6	97	27.5	27.5	7.9	7.9	24.3	24.3	85.2	85.2	5.9	5.8	2.6	8	8	88	91	822101	817817	<0.2	1.0	1.0	1.0	1.0				
					Middle	6.2	0.3	90	27.2	27.2	7.9	7.9	25.5	25.5	81.2	80.9	5.6	5.6	2.7	6	6	92	92	822101	817817	<0.2	1.0	1.0	1.0	1.0				
						6.2	0.3	91	27.1	27.1	7.9	7.9	25.6	25.6	80.5	80.5	5.6	5.6	2.7	7	7	92	92	822101	817817	<0.2	1.0	1.0	1.0	1.0				
						11.4	0.3	41	26.8	26.8	7.9	7.9	26.9	26.9	77.7	78.0	5.4	5.4	5.8	5	5	93	93	822101	817817	<0.2	0.9	0.9	0.9	0.9				
						11.4	0.3	44	26.9	26.9	7.9	7.9	26.6	26.7	78.2	78.0	5.4	5.4	5.7	6	6	93	93	822101	817817	<0.2	1.0	1.0	1.0	1.0				
IM1	Cloudy	Moderate	13:50	5.3	Surface	1.0	0.2	175	28.1	28.1	8.2	8.2	25.8	25.8	91.3	91.3	6.2	6.2	5.1	8.6	4	4	88	89	817932	807135	<0.2	1.0	0.9	0.9				
						1.0	0.2	184	28.0	28.0	8.2	8.2	25.8	25.8	91.2	91.2	6.2	6.2	5.2	8.6	5	5	88	89	817932	807135	<0.2	0.9	0.9	0.9				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.2	193	27.7	27.7	8.2	8.2	26.4	26.4	84.9	85.0	5.8	5.8	12.0	4	4	89	89	817932	807135	<0.2	1.0	0.9	0.9	0.9				
						4.3	0.2	203	27.7	27.7	8.2	8.2	26.4	26.4	85.0	85.0	5.8	5.8	12.1	4	4	90	90	817932	807135	<0.2	1.0	0.9	0.9	0.9				
						4.3	0.2	167	28.2	28.2	8.2	8.2	25.6	25.6	95.7	95.7	6.5	6.5	3.6	4	4	85	85	817932	807135	<0.2	1.0	0.9	0.9	0.9				
IM2	Cloudy	Moderate	13:42	7.4	Surface	1.0	0.2	170	28.1	28.1	8.2	8.2	25.7	25.7	95.6	95.6	6.5	6.3	3.6	5.9	4	4	85	89	818175	806155	<0.2	1.0	0.9	0.9				
						3.7	0.2	172	27.8	27.8	8.2	8.2	26.7	26.8	90.0	90.1	6.1	6.1	3.9	4	4	89	89	818175	806155	<0.2	1.0	0.8	0.8					
					Middle	3.7	0.2	184	27.8	27.8	8.2	8.2	26.8	26.8	90.1	90.1	6.1	6.1	4.1	4	4	89	89	818175	806155	<0.2	1.0	0.8	0.8	0.8				
						6.4	0.2	139	27.7	27.7	8.2	8.2	27.8	27.8	86.0	86.1	5.8	5.8	10.4	6	6	91	91	818175	806155	<0.2	0.9	0.9	0.9					
						6.4	0.2	144	27.7	27.7	8.2	8.2	27.8	27.8	86.1	86.1	5.8	5.8	10.0	5	5	92	92	818175	806155	<0.2	1.0	0.9	0.9	0.9				
						6.4	0.2	144	27.7	27.7	8.2	8.2	27.8	27.8	86.1	86.1	5.8	5.8	10.0	5	5	92	92	818175	806155	<0.2	1.0	0.9	0.9	0.9				
IM3	Cloudy	Moderate	13:36	7.6	Surface	1.0	0.2	114	28.2	28.2	8.2	8.2	25.4	25.4	98.4	98.4	6.7	6.3	3.3	6.9	6	6	86	89	818763	805579	<0.2	1.0	0.9	0.9				
						1.0	0.2	122	28.2	28.2	8.2	8.2	25.4	25.4	98.3	98.3	6.7	6.3	3.3	5	5	86	89	818763	805579	<0.2	1.0	0.9	0.9					
					Middle	3.8	0.3	133	27.8	27.8	8.2	8.2	26.5	26.5	87.5	87.4	5.9	5.9	4.6	4	4	89	89	818763	805579	<0.2	1.0	0.9	0.9	0.9				
						3.8	0.3	134	27.8	27.8	8.2	8.2	26.5	26.5	87.3	87.3	5.9	5.9	4.9	4	4	89	89	818763	805579	<0.2	1.0	0.9	0.9	0.9				
						6.6	0.3	140	27.7	27.7	8.2	8.2	27.9	27.9	85.4	85.5	5.8	5.8	12.7	4	4	92	92	818763	805579	<0.2	1.1	1.0	1.0	1.0				
						6.6	0.4	140	27.7	27.7	8.2	8.2	27.9	27.9	85.5	85.5	5.8	5.8	12.8	5	5	92	92	818763	805579	<0.2	1.1	1.0	1.0	1.0				
IM4	Fine	Moderate	13:27	8.7	Surface	1.0	0.6	201	27.9	27.9	8.2	8.2	25.4	25.4	89.1	89.1	6.1	6.0	4.4	6.5	6	6	85	89	819732	804599	<0.2	1.0	0.9	0.9				
						1.0	0.6	206	27.9	27.9	8.2	8.2	25.4	25.4	89.0	89.0	6.1	6.0	4.4	5	5	85	89	819732	804599	<0.2	1.1	1.0	1.0					
					Middle	4.4	0.5	181	27.7	27.7	8.2	8.2	26.5	26.5	87.4	87.3	5.9	5.9	4.6	6	6	89	89	819732	804599	<0.2	1.0	0.9	0.9	0.9				
						4.4	0.5	186	27.7	27.7	8.2	8.2	26.5	26.5	87.2	87.2	5.9	5.9	4.6	5	5	89	89	819732	804599	<0.2	1.0	0.9	0.9	0.9				
						7.7	0.4	154	27.7	27.7	8.2	8.2	28.1	28.1	84.8	84.9	5.7	5.7	10.6	4	4	92	92	819732	804599	<0.2	0.9	0.9	0.9	0.9				
						7.7	0.4	157	27.7	27.7	8.2	8.2	28.1	28.1	84.9	84.9	5.7	5.7	10.4	4	4	91	91	819732	804599	<0.2	0.9	0.9	0.9	0.9				
IM5	Fine	Moderate	13:19	8.2	Surface	1.0	0.4	219	27.8	27.8	8.2	8.2	26.1	26.1	89.3	89.3	6.1	5.9	4.5	7.6	6	6	85	88	820718	804848	<0.2	1.0	0.9	0.9				
						1.0	0.5	240	27.8	27.8	8.2	8.2	26.1	26.1	89.2	89.2	6.1	5.9	4.5	5	5	86	88	820718	804848	<0.2	1.0	0.9	0.9					
					Middle	4.1	0.4	186	27.7	27.7	8.2	8.2	27.5	27.4	84.9	84.9	5.7	5.7	7.2	6	6	88	88	820718	804848	<0.2	0.9	0.9	0.9	0.9				
						4.1	0.4	196	27.7	27.7	8.2	8.2	27.4	27.4	84.9	84.9	5.7	5.7	7.3	6	6	88	88	820718	804848	<0.2	0.9	0.9	0.9	0.9				
						7.2	0.4	190	27.7																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 August 20 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	13:37	7.9	Surface	1.0	0.3	123	27.7	27.7	7.9	7.9	23.0	23.0	89.4	89.4	6.2	6.1	1.9	3	86	89	89	822097	808806	<0.2	1.0	<0.2	1.0			
						1.0	0.3	130	27.7	7.9	7.9	23.1	23.1	89.4	89.4	6.2	6.1	2.0	4	86	89	89	822097	808806	<0.2	1.0	<0.2	1.0				
					Middle	4.0	0.3	148	27.5	27.5	7.9	7.9	23.9	24.0	87.6	87.5	6.0	6.0	3.8	4	89	90	90	822097	808806	<0.2	1.0	<0.2	1.0			
						4.0	0.3	151	27.5	27.5	7.9	7.9	24.0	24.0	87.3	87.3	6.0	6.0	4.0	5	90	91	91	822097	808806	<0.2	1.0	<0.2	1.0			
					Bottom	6.9	0.1	151	27.4	27.4	8.0	8.0	24.6	24.6	87.3	87.3	6.0	6.0	10.6	4	91	91	91	822097	808806	<0.2	1.0	<0.2	1.0			
						6.9	0.1	162	27.4	27.4	8.0	8.0	24.6	24.6	91.2	91.2	6.3	6.2	10.5	5	91	91	91	822097	808806	<0.2	1.0	<0.2	1.0			
IM10	Fine	Moderate	13:44	8.0	Surface	1.0	0.8	149	27.9	27.9	7.9	7.9	21.6	21.6	95.1	95.1	6.6	6.4	1.7	4	87	89	89	822368	809779	<0.2	1.0	<0.2	1.0			
						1.0	0.8	153	27.9	27.9	7.9	7.9	21.6	21.6	95.0	95.0	6.6	6.4	1.9	4	87	89	89	822368	809779	<0.2	1.0	<0.2	1.0			
					Middle	4.0	0.7	124	27.7	27.7	8.0	8.0	24.0	24.0	90.0	89.9	6.2	6.2	3.9	6	89	89	89	822368	809779	<0.2	1.0	<0.2	1.0			
						4.0	0.8	126	27.7	27.7	8.0	8.0	24.0	24.0	89.7	89.7	6.2	6.2	3.7	5	89	89	89	822368	809779	<0.2	1.0	<0.2	1.0			
					Bottom	7.0	0.5	120	27.4	27.5	8.0	8.0	24.6	24.6	89.0	89.2	6.1	6.2	9.9	6	90	90	90	822368	809779	<0.2	1.0	<0.2	1.0			
						7.0	0.5	130	27.5	27.5	8.0	8.0	24.5	24.6	89.4	89.4	6.2	6.2	10.0	6	91	91	91	822368	809779	<0.2	1.0	<0.2	1.0			
IM11	Fine	Moderate	13:54	10.0	Surface	1.0	0.7	109	28.1	28.1	7.9	7.9	23.2	23.2	92.4	92.4	6.4	6.3	1.7	3	88	88	88	822048	811446	<0.2	1.2	<0.2	1.0			
						1.0	0.7	116	28.1	28.1	7.9	7.9	23.2	23.2	92.3	92.3	6.3	6.3	1.8	4	88	88	88	822048	811446	<0.2	1.0	<0.2	1.0			
					Middle	5.0	0.7	101	27.6	27.6	8.0	8.0	24.3	24.3	89.2	89.3	6.2	6.2	8.9	4	91	91	91	822048	811446	<0.2	1.2	<0.2	1.0			
						5.0	0.7	102	27.6	27.6	8.0	8.0	24.3	24.3	89.4	89.4	6.2	6.2	9.1	4	92	92	92	822048	811446	<0.2	1.0	<0.2	1.0			
					Bottom	9.0	0.6	96	27.5	27.5	8.0	8.0	24.4	24.4	91.9	92.2	6.3	6.4	13.0	4	93	93	93	822048	811446	<0.2	1.0	<0.2	1.0			
						9.0	0.6	101	27.5	27.5	8.0	8.0	24.4	24.4	92.4	92.4	6.4	6.4	12.7	3	93	93	93	822048	811446	<0.2	1.0	<0.2	1.0			
IM12	Fine	Moderate	13:59	10.2	Surface	1.0	0.7	104	28.0	28.0	7.9	7.9	23.2	23.2	90.2	90.2	6.2	6.0	2.7	3	88	88	88	821462	812028	<0.2	1.0	<0.2	1.0			
						1.0	0.7	112	28.0	28.0	7.9	7.9	23.2	23.2	90.2	90.2	6.2	6.0	2.7	2	88	88	88	821462	812028	<0.2	1.0	<0.2	1.0			
					Middle	5.1	0.5	103	27.3	27.3	7.9	7.9	24.5	24.6	83.3	83.3	5.8	6.0	6.6	4	90	90	90	821462	812028	<0.2	1.0	<0.2	0.9			
						5.1	0.6	106	27.3	27.3	7.9	7.9	24.7	24.6	83.2	83.3	5.8	6.0	6.3	4	91	91	91	821462	812028	<0.2	1.0	<0.2	0.9			
					Bottom	9.2	0.4	98	27.1	27.2	7.9	7.9	25.0	24.9	83.9	84.2	5.8	5.8	8.9	3	93	93	93	821462	812028	<0.2	1.0	<0.2	0.8			
						9.2	0.5	103	27.2	27.2	7.9	7.9	24.8	24.9	84.5	84.5	5.8	5.8	9.0	4	94	94	94	821462	812028	<0.2	1.0	<0.2	0.8			
SR1A	Fine	Calm	14:16	5.0	Surface	1.0	-	-	27.7	27.7	7.9	7.9	23.1	23.1	89.1	89.1	6.2	6.2	2.2	3	-	-	-	819970	812658	-	-	-	-			
						1.0	-	-	27.7	27.7	7.9	7.9	23.2	23.1	89.0	89.0	6.2	6.2	2.4	3	-	-	-	819970	812658	-	-	-	-			
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8	-	-	-	819970	812658	-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819970	812658	-	-	-	-	
					Bottom	4.0	-	-	27.1	27.1	7.9	7.9	24.6	24.6	84.3	84.6	5.8	5.9	3.4	2	-	-	-	-	-	819970	812658	-	-	-	-	
						4.0	-	-	27.1	27.1	7.9	7.9	24.6	24.6	84.9	84.6	5.9	5.9	3.4	3	-	-	-	-	-	819970	812658	-	-	-	-	
SR2	Fine	Moderate	14:27	4.9	Surface	1.0	0.5	105	27.9	27.9	7.9	7.9	23.3	23.3	94.9	94.9	6.6	6.6	2.0	<2	87	87	87	821445	814151	<0.2	1.0	<0.2	0.9			
						1.0	0.5	114	27.8	27.8	7.9	7.9	23.4	23.3	94.9	94.9	6.6	6.6	2.1	<2	87	87	87	821445	814151	<0.2	1.0	<0.2	0.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	-	821445	814151	<0.2	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821445	814151	<0.2	-	-	-	
					Bottom	3.9	0.3	106	27.3	27.3	7.9	7.9	24.3	24.3	90.9	91.5	6.3	6.4	13.0	4	90	91	91	821445	814151	<0.2	1.0	<0.2	0.9			
						3.9	0.3	106	27.3	27.3	7.9	7.9	24.3	24.3	92.1	92.1	6.4	6.4	13.1	3	91	91	91	821445	814151	<0.2	1.0	<0.2	0.9			
SR3	Fine	Moderate	13:26	9.8	Surface	1.0	0.2	178	27.5	27.5	7.9	7.9	23.1	23.1	86.8	86.8	6.0	5.9	3.2	4	-	-	-	822155	807561	-	-	-	-			
						1.0	0.2	190	27.5	27.5	7.9	7.9	23.2	23.2	86.7	86.7	6.0	6.0	4.4	4	-	-	-	822155	807561	-	-	-	-			
					Middle	4.9	0.1	235	27.3	27.3	7.9	7.9	24.2	24.2	82.9	83.0	5.7	6.0	4.4	4	-	-	-	-	822155	807561	-	-	-	-		
						4.9	0.1	257	27.3	27.3	7.9	7.9	24.3	24.2	81.2	81.2	5.8	6.0	4.3	3	-	-	-	-	822155	807561	-	-	-	-		
					Bottom	8.8	0.0	28	27.5	27.5	8.0	8.0	24.8	24.8	91.2	91.5	6.3	6.3	4.6	4	-	-	-	-	-	822155	807561	-	-	-	-	
						8.8	0.0	30	27.5	27.5	8.0	8.0	24.8	24.8	91.7	91.5	6.3	6.3	4.7	4	-	-	-	-	-	822155	807561	-	-	-	-	
SR4A	Cloudy	Calm	14:33	9.8	Surface	1.0	0.2	59	28.0	28.0	8.3	8.3	25.8	25.8	90.9	90.9	6.2	6.0	4.8	3	-	-	-	817202	807815	-	-	-	-			
						1.0	0.2	64	28.0	28.0	8.3	8.3	25.8	25.8	90.9	90.9	6.2	6.0	4.9	4	-	-	-	-	817202	807815	-	-	-	-		
					Middle	4.9	0.1	58	27.7	27.7	8.3	8.3	26.4	26.4	84.8	84.7	5.8	6.0	6.0	5	-	-	-	-	-	817202	807815	-	-	-	-	
						4.9	0.1	60	27.7	27.7	8.3	8.3	26.4	26.4	84.6	84.7	5.8	6.1	6.1	5	-	-	-	-	-	817202	807815	-	-	-	-	
					Bottom	8.8	0.0	7	27.7	27.7	8.3	8.3	26.8	26.8	81.9	81.9	5.6	5.6	7.9	5	-	-	-	-	-	817202	807815	-	-	-	-	
						8.8	0.0	7	27.7	27.7	8.3	8.3	26.8	26.8	81.9	81.9	5.6	5.6	7.9	6	-	-	-	-	-	817202	807815	-	-	-	-	
SR5A	Cloudy	Calm	14:51	3.8	Surface	1.0	0.0	311	28.3	28.3	8.3	8.3	24.9																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 August 20 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	08:30	9.2	Surface	1.0	0.6	26	27.5	8.3	8.3	25.1	25.0	89.9	89.9	6.2	6.0	3.7	4.8	3	3	86	89	815605	804260	<0.2	0.9	<0.2	1.1				
						1.0	0.6	27	27.5	8.3	8.3	25.0	25.0	89.9	89.9	6.2	6.0	3.8	4.8	4	3	86	89	<0.2	1.0	<0.2	1.0						
					Middle	4.6	0.6	32	27.6	8.3	8.3	27.4	27.4	84.6	84.6	5.7	5.5	3.9	2.1	4	2	88	88	<0.2	1.1	<0.2	1.1						
						4.6	0.7	34	27.6	8.3	8.3	27.4	27.4	84.6	84.6	5.7	5.5	3.9	2.1	4	2	88	88	<0.2	1.1	<0.2	1.1						
					Bottom	8.2	0.6	18	27.6	8.3	8.3	28.6	28.6	83.7	83.8	5.6	5.6	6.8	5.0	2	2	91	92	<0.2	1.0	<0.2	1.0						
						8.2	0.6	19	27.6	8.3	8.3	28.6	28.6	83.8	83.8	5.6	5.6	7.0	5.0	3	2	92	92	<0.2	1.1	<0.2	1.1						
C2	Fine	Moderate	08:50	12.5	Surface	1.0	0.5	10	27.3	7.9	7.9	20.2	20.2	81.7	81.7	5.8	5.7	2.3	3.7	2	2	89	91	825684	806938	<0.2	1.1	<0.2	1.1				
						1.0	0.5	10	27.3	7.9	7.9	20.2	20.2	81.6	81.6	5.8	5.7	2.2	3.7	3	4	89	90	<0.2	1.0	<0.2	1.0						
					Middle	6.3	0.6	354	27.2	7.9	7.9	22.9	22.9	79.7	79.7	5.6	5.6	1.8	1.8	3	3	90	90	<0.2	1.1	<0.2	1.1						
						6.3	0.6	326	27.2	7.9	7.9	23.0	23.0	79.7	79.7	5.6	5.6	1.8	1.8	3	3	90	90	<0.2	1.0	<0.2	1.0						
					Bottom	11.5	0.3	355	27.1	7.9	7.9	23.6	23.6	81.2	81.3	5.7	5.7	7.1	5.0	6	6	93	94	<0.2	1.0	<0.2	1.0						
						11.5	0.4	327	27.1	7.9	7.9	23.6	23.6	81.4	81.4	5.7	5.7	7.1	5.0	6	6	94	94	<0.2	1.1	<0.2	1.1						
C3	Cloudy	Moderate	07:07	11.6	Surface	1.0	0.4	278	27.0	7.9	7.9	23.3	23.2	81.9	81.8	5.7	5.5	1.0	2.1	2	2	87	89	822104	817791	<0.2	1.0	<0.2	1.0				
						1.0	0.4	299	27.0	7.9	7.9	23.2	23.2	81.7	81.7	5.7	5.5	1.0	2.1	3	2	87	88	<0.2	1.0	<0.2	1.0						
					Middle	5.8	0.5	291	26.9	7.9	7.9	25.0	25.0	76.0	75.8	5.3	5.3	1.9	2.1	2	2	88	88	<0.2	1.1	<0.2	1.1						
						5.8	0.5	319	26.9	7.9	7.9	25.0	25.0	75.6	75.6	5.3	5.3	2.1	2.1	2	2	88	88	<0.2	1.1	<0.2	1.1						
					Bottom	10.6	0.5	286	26.6	7.9	7.9	26.9	26.9	72.7	72.7	5.0	5.0	3.4	3.2	2	2	92	92	<0.2	1.1	<0.2	1.1						
						10.6	0.5	309	26.6	7.9	7.9	26.9	26.6	72.7	72.7	5.0	5.0	3.2	3.2	2	2	92	92	<0.2	1.1	<0.2	1.1						
IM1	Cloudy	Moderate	08:49	5.7	Surface	1.0	0.2	14	27.6	8.3	8.3	25.2	25.3	85.6	85.6	5.9	5.9	5.9	9.1	2	3	87	89	817948	807151	<0.2	1.0	<0.2	1.1				
						1.0	0.2	14	27.6	8.3	8.3	25.3	25.3	85.5	85.5	5.9	5.9	6.2	9.1	3	3	86	89	<0.2	1.1	<0.2	1.1						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.7	0.1	350	27.5	8.3	8.3	25.6	25.6	83.6	83.7	5.7	5.7	12.3	12.2	2	2	90	91	<0.2	1.0	<0.2	1.0						
						4.7	0.2	322	27.5	8.3	8.3	25.6	25.6	83.7	83.7	5.7	5.7	12.2	12.2	3	3	91	91	<0.2	1.0	<0.2	1.0						
IM2	Cloudy	Moderate	08:56	7.7	Surface	1.0	0.4	355	27.6	8.2	8.2	25.0	25.0	89.5	89.5	6.1	5.9	4.5	9.1	3	3	85	88	818166	806156	<0.2	1.1	<0.2	1.1				
						1.0	0.5	327	27.6	8.2	8.2	25.0	25.0	89.5	89.5	6.1	5.9	4.6	9.1	4	3	85	88	<0.2	1.1	<0.2	1.1						
					Middle	3.9	0.3	3	27.6	8.2	8.2	26.2	26.2	83.2	83.2	5.7	5.7	9.7	9.9	3	3	88	89	<0.2	1.1	<0.2	1.1						
						3.9	0.3	3	27.6	8.2	8.2	26.2	26.2	83.2	83.2	5.7	5.7	9.9	9.9	3	3	89	91	<0.2	1.1	<0.2	1.1						
					Bottom	6.7	0.3	353	27.6	8.2	8.2	26.5	26.5	83.8	83.9	5.7	5.7	13.0	12.8	3	3	91	91	<0.2	1.0	<0.2	1.0						
						6.7	0.4	325	27.6	8.2	8.2	26.5	26.5	83.9	83.9	5.7	5.7	12.8	12.8	3	3	91	91	<0.2	1.0	<0.2	1.0						
IM3	Cloudy	Moderate	09:02	8.0	Surface	1.0	0.5	345	27.7	8.1	8.1	24.8	24.8	92.1	92.1	6.3	6.0	3.5	7.6	2	2	85	88	818788	805571	<0.2	1.1	<0.2	1.1				
						1.0	0.5	317	27.7	8.1	8.1	24.8	24.8	92.0	92.0	6.3	6.0	3.7	7.6	2	2	85	88	<0.2	1.0	<0.2	1.0						
					Middle	4.0	0.4	338	27.6	8.1	8.1	26.3	26.3	83.3	83.3	5.7	5.7	7.8	8.0	2	2	88	88	<0.2	1.0	<0.2	1.0						
						4.0	0.4	353	27.6	8.1	8.1	26.3	26.3	83.3	83.3	5.7	5.7	8.0	8.0	2	2	88	88	<0.2	1.0	<0.2	1.0						
					Bottom	7.0	0.4	337	27.6	8.1	8.1	26.4	26.4	84.3	84.4	5.7	5.7	11.2	11.2	<2	<2	91	91	<0.2	1.2	<0.2	1.2						
						7.0	0.4	348	27.6	8.1	8.1	26.4	26.4	84.4	84.4	5.7	5.7	11.2	11.2	<2	<2	91	91	<0.2	1.0	<0.2	1.0						
IM4	Cloudy	Moderate	09:10	9.1	Surface	1.0	0.6	353	27.7	8.1	8.1	24.8	24.8	91.7	91.7	6.3	6.0	3.9	8.1	3	2	84	88	819719	804594	<0.2	1.0	<0.2	1.0				
						1.0	0.6	325	27.7	8.1	8.1	24.8	24.8	91.6	91.6	6.3	6.0	3.9	8.1	2	2	85	88	<0.2	1.0	<0.2	1.0						
					Middle	4.6	0.6	350	27.6	8.1	8.1	26.7	26.7	84.3	84.3	5.7	5.7	7.8	7.5	2	2	88	88	<0.2	1.0	<0.2	1.0						
						4.6	0.6	322	27.6	8.1	8.1	26.7	26.7	84.3	84.3	5.7	5.7	7.5	7.5	2	2	88	88	<0.2	1.0	<0.2	1.0						
					Bottom	8.1	0.5	355	27.6	8.1	8.1	26.7	26.7	84.4	84.5	5.7	5.7	12.5	12.9	<2	<2	91	91	<0.2	0.9	<0.2	0.9						
						8.1	0.5	327	27.6	8.1	8.1	26.7	26.7	84.5	84.5	5.7	5.7	12.9	12.9	<2	<2	91	91	<0.2	1.1	<0.2	1.1						
IM5	Cloudy	Moderate	09:18	7.8	Surface	1.0	1.1	4	27.6	8.2	8.2	25.0	25.0	89.5	89.4	6.1	6.0	5.8	10.5	2	2	85	88	820728	804889	<0.2	0.9	<0.2	0.9				
						1.0	1.2	4	27.6	8.2	8.2	25.1	25.0	89.2	89.4	6.1	6.0	6.1	10.5	2	2	84	88	<0.2	1.1	<0.2	1.1						
					Middle	3.9	0.8	12	27.6	8.3	8.3	25.8	25.8	85.5	85.5	5.8	5.8	10.2	10.2	2	2	88	87	<0.2	1.1	<0.2	1.1						
						3.9	0.8	12	27.6	8.3	8.3	25.8	25.8	85.4	85.4	5.8	5.8	10.2	10.2	2	2	87	90	<0.2	1.0	<0.2	1.0						
					Bottom	6.8	0.7	14	27.6	8.3	8.3	25.9	25.9	85.0	85.0	5.8	5.8	15.2	15.3	2	2	90	90	<0.2	1.0	<0.2	1.0						
						6.8	0.7	14	27.6	8.3	8.3	25.9	25.9	85.0	85.0	5.8	5.8	15.3	15.3	2	2	90	90	<0.2	1.1	<0.2	1.1						
IM6	Cloudy	Moderate	09:26	8.2	Surface	1.0	0.1	249	27.7	8.1	8.1	22.1	22.1	90.5	90.5	6.3	6.3	3.0	5.0	2	2	85	88	821058	805825	<0.2	1.1	<0.2	1.1				
						1.0	0.1	261	27.7	8.1	8.1	22.1	22.1	90.5	90.5	6.3	6.3	3.0	5.0	3	2	85	88	<0.2	1.0	<0.2	1.0						
					Middle	4.1	0.3	39	27.6	8.1	8.1	23.6	23.6	89.4	89.4	6.2	6.2	3.7	3.7	2	2	88	88	<0.2	1.0	<0.2	1.0						
						4.1	0.3	39	27.6	8.1																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 06 August 20 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	08:20	7.9	Surface	1.0	0.5	290	27.2	7.9	7.9	22.5	22.6	80.7	80.8	5.7	7.1	6.9	5	87	90	87	90	822102	808805	<0.2	1.1	1.1	1.1							
						1.0	0.5	307	27.2	7.9	7.9	22.6	22.7	80.8	81.2	5.7	7.1	7.1	4	87	90	87	90	822102	808805	<0.2	1.1	1.1	1.1							
						4.0	0.3	280	27.2	7.9	7.9	22.7	22.7	81.3	81.3	5.7	8.3	8.3	4	90	93	90	93	822102	808805	<0.2	1.1	1.1	1.1							
					Middle	4.0	0.3	290	27.2	7.9	7.9	22.7	22.7	81.3	81.3	5.7	8.3	8.3	4	90	93	90	93	822102	808805	<0.2	1.1	1.1	1.1							
						6.9	0.2	289	27.2	7.9	7.9	22.7	22.6	82.7	83.2	5.8	10.9	10.4	4	93	93	93	93	822102	808805	<0.2	1.1	1.1	1.1							
						6.9	0.2	308	27.2	7.9	7.9	22.6	22.6	83.7	83.2	5.9	10.4	10.3	4	93	93	93	93	822102	808805	<0.2	1.1	1.1	1.1							
					IM10	Fine	Moderate	08:13	9.3	Surface	1.0	0.8	286	27.2	7.9	7.9	21.0	21.0	83.8	83.8	5.9	2.7	<2	<2	85	89	85	89	822365	809813	<0.2	1.1	1.1	1.1		
											1.0	0.8	298	27.2	7.9	7.9	21.0	21.0	83.7	83.7	5.9	2.6	<2	<2	86	89	86	89	822365	809813	<0.2	1.1	1.1	1.1		
											4.7	0.7	291	27.1	7.9	7.9	23.3	23.3	79.2	79.3	5.5	8.5	8.5	4	89	93	89	93	822365	809813	<0.2	1.2	1.1	1.1		
Middle	4.7	0.7	300	27.1						7.9	7.9	23.3	23.3	79.3	79.3	5.5	8.5	8.5	4	89	93	89	93	822365	809813	<0.2	1.1	1.1	1.1							
	8.3	0.6	284	27.1						7.9	7.9	23.9	23.9	80.1	80.3	5.6	10.7	10.3	4	93	93	93	93	822365	809813	<0.2	1.0	1.0	1.0							
	8.3	0.6	288	27.1						7.9	7.9	23.9	23.9	80.5	80.3	5.6	10.3	10.3	4	93	93	93	93	822365	809813	<0.2	1.0	1.0	1.0							
IM11	Cloudy	Moderate	08:03	8.2						Surface	1.0	0.7	326	27.1	7.9	7.9	21.9	21.9	79.1	79.0	5.6	4.4	2	2	86	89	86	89	822038	811480	<0.2	0.9	1.1	1.1		
											1.0	0.7	340	27.1	7.9	7.9	21.9	21.9	78.8	78.2	5.5	4.9	3	3	86	89	86	89	822038	811480	<0.2	1.0	1.0	1.0		
											4.1	0.7	320	27.0	7.9	7.9	24.2	24.2	78.2	78.2	5.4	7.4	7.2	4	89	93	89	93	822038	811480	<0.2	1.0	1.0	1.0		
					Middle	4.1	0.8	351	27.0	7.9	7.9	24.3	24.2	78.2	78.2	5.4	7.2	7.2	4	89	93	89	93	822038	811480	<0.2	1.0	1.0	1.0							
						7.2	0.6	317	26.9	7.9	7.9	24.7	24.7	78.8	79.0	5.5	8.5	8.5	4	92	93	92	93	822038	811480	<0.2	1.1	1.1	1.1							
						7.2	0.6	324	27.0	7.9	7.9	24.7	24.7	79.2	79.0	5.5	8.4	8.4	4	92	93	92	93	822038	811480	<0.2	1.0	1.0	1.0							
					IM12	Cloudy	Moderate	07:57	8.8	Surface	1.0	0.7	281	27.2	7.9	7.9	21.8	21.8	81.2	81.1	5.7	3.5	4	4	86	88	86	88	821474	812053	<0.2	1.1	1.1	1.1		
											1.0	0.7	297	27.2	7.9	7.9	21.8	21.8	81.0	81.0	5.7	3.5	4	4	86	88	86	88	821474	812053	<0.2	1.1	1.1	1.1		
											4.4	0.7	276	27.0	7.9	7.9	24.3	24.3	78.4	78.4	5.5	5.8	5.7	4	88	92	88	92	821474	812053	<0.2	0.9	1.1	1.1		
Middle	4.4	0.7	296	27.0						7.9	7.9	24.3	24.3	78.4	78.4	5.5	5.7	5.7	4	88	92	88	92	821474	812053	<0.2	0.9	1.1	1.1							
	7.8	0.5	272	26.9						7.9	7.9	24.4	24.4	79.8	79.9	5.6	4.3	4.3	4	92	93	92	93	821474	812053	<0.2	1.2	1.0	1.0							
	7.8	0.6	298	26.9						7.9	7.9	24.4	24.4	80.0	79.9	5.6	4.4	4.4	3	93	93	93	93	821474	812053	<0.2	1.0	1.0	1.0							
SR1A	Cloudy	Moderate	07:40	5.1						Surface	1.0	-	-	27.1	7.9	7.9	21.3	21.3	83.8	83.8	5.9	1.4	2	-	-	-	-	-	819976	812663	-	-	-	-		
											1.0	-	-	27.1	7.9	7.9	21.4	21.3	83.7	83.8	5.9	1.4	3	-	-	-	-	-	-	819976	812663	-	-	-	-	
											2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812663	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819976	812663	-	-	-	-					
						4.1	-	-	27.1	7.9	7.9	22.0	21.9	83.8	83.9	5.9	2.4	4	-	-	-	-	-	-	-	819976	812663	-	-	-	-					
						4.1	-	-	27.1	7.9	7.9	22.0	21.9	83.9	83.9	5.9	2.5	3	-	-	-	-	-	-	-	819976	812663	-	-	-	-					
					SR2	Cloudy	Moderate	07:27	5.0	Surface	1.0	0.1	11	27.0	7.9	7.9	23.7	23.8	80.3	80.3	5.6	3.4	<2	<2	87	88	87	88	821440	814185	<0.2	1.0	1.0	1.1		
											1.0	0.1	11	27.0	7.9	7.9	23.8	23.8	80.3	80.3	5.6	3.5	<2	<2	88	90	88	90	821440	814185	<0.2	1.0	1.0	1.1		
											4.0	0.1	24	26.8	7.9	7.9	24.5	24.5	84.4	84.8	5.9	4.8	4.8	4	92	93	92	93	821440	814185	<0.2	1.0	1.0	1.2		
Middle	4.0	0.1	24	26.7						7.9	7.9	24.5	24.5	85.2	84.8	6.0	4.9	4.9	4	92	93	92	93	821440	814185	<0.2	1.0	1.0	1.2							
	1.0	0.1	217	27.4						7.9	7.9	20.0	20.0	83.7	83.7	5.9	1.7	6	-	-	-	-	-	-	-	822153	807587	-	-	-	-					
	1.0	0.1	232	27.4						7.9	7.9	20.0	20.0	83.7	83.7	5.9	1.7	6	-	-	-	-	-	-	-	822153	807587	-	-	-	-					
SR3	Fine	Moderate	08:31	9.5						Surface	4.8	0.2	268	27.2	7.9	7.9	21.9	21.9	79.7	79.7	5.6	4.3	6	6	-	-	-	-	822153	807587	-	-	-	-		
											4.8	0.2	280	27.2	7.9	7.9	21.9	21.9	79.7	79.7	5.6	4.3	6	6	-	-	-	-	-	-	822153	807587	-	-	-	-
											8.5	0.2	37	27.2	7.9	7.9	24.2	24.2	80.3	80.3	5.6	7.8	7.7	5	-	-	-	-	-	-	822153	807587	-	-	-	-
					Middle	8.5	0.2	37	27.2	7.9	7.9	24.2	24.2	80.3	80.3	5.6	7.8	7.7	5	-	-	-	-	-	-	822153	807587	-	-	-	-					
						8.5	0.2	38	27.2	7.9	7.9	24.2	24.2	80.6	80.5	5.6	7.7	7.7	5	-	-	-	-	-	-	822153	807587	-	-	-	-					
						1.0	0.1	220	27.4	8.3	8.3	24.7	24.7	86.3	86.3	5.9	4.0	3	-	-	-	-	-	-	-	817172	807813	-	-	-	-					
					SR4A	Cloudy	Calm	08:07	9.6	Surface	1.0	0.1	231	27.4	8.3	8.3	24.7	24.7	86.3	86.3	5.9	4.1	4	4	-	-	-	-	817172	807813	-	-	-	-		
											4.8	0.1	243	27.4	8.3	8.3	24.9	24.9	85.3	85.3	5.9	4.7	3	3	-	-	-	-	-	-	817172	807813	-	-	-	-
											4.8	0.1	265	27.4	8.3	8.3	24.9	24.9	85.3	85.3	5.9	4.7	3	3	-	-	-	-	-	-	817172	807813	-	-	-	-
Middle	8.6	0.1	85	27.5						8.3	8.3	25.5	25.5	82.9	83.0	5.7	6.2	2	-	-	-	-	-	-	-	817172	807813	-	-	-	-					
	8.6	0.1	86	27.5						8.3	8.3	25.5	25.5	83.0	83.0	5.7	6.2	2	-	-	-	-	-	-	-	817172	807813	-	-	-	-					
	1.0	0.1	282	27.4						8.3	8.3	24.7	24.7	86.2	86.2	5.9	4.7	3	-	-	-	-	-	-	-	816596	810704	-	-	-	-					
SR5A	Cloudy	Calm	07:51	3.5						Surface	1.0	0.1	294	27.4	8.3	8.3	24.7	24.7	86.2	86.2	5.9	4.7	2	2	-	-	-	-	816596	810704	-	-	-	-		
											1.0	0.1	294	27.4	8.																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Sunny	Moderate	15:10	8.7	Surface	1.0	0.4	237	29.3	29.3	8.1	8.1	22.5	22.5	102.7	102.6	6.9	6.9	2.4	6.5	2.4	6.3	<2	2	80	85	815618	804224	<0.2	1.1	<0.2	1.1			
						1.0	0.4	253	29.2	29.2	8.1	8.1	22.6	22.6	102.5	102.5	6.9	6.9	2.4	6.5	2.4	6.3	<2	2	81	85			<0.2	1.1	<0.2	1.1			
					Middle	4.4	0.4	214	28.1	28.1	8.1	8.1	26.8	26.8	89.0	88.9	6.0	6.0	2.7	5.4	2.7	5.4	2.7	5.4	<2	2	86	85			<0.2	1.0	<0.2	1.0	
						4.4	0.4	222	28.1	28.1	8.1	8.1	26.8	26.8	88.8	88.8	6.0	6.0	2.4	5.4	2.4	5.4	2.4	5.4	<2	2	85	85			<0.2	1.0	<0.2	1.0	
					Bottom	7.7	0.3	195	27.8	27.8	8.0	8.0	27.7	27.7	80.3	80.3	5.4	5.4	14.1	14.0	14.1	14.0	14.1	14.0	<2	2	89	89			<0.2	1.1	<0.2	1.1	
						7.7	0.3	209	27.8	27.8	8.0	8.0	27.7	27.7	80.3	80.3	5.4	5.4	14.0	14.0	14.0	14.0	14.0	14.0	<2	2	89	89			<0.2	1.0	<0.2	1.0	
C2	Fine	Moderate	14:07	12.6	Surface	1.0	0.2	135	28.6	28.6	8.4	8.4	23.7	23.7	91.9	91.9	6.2	6.2	4.6	6.1	4.6	5.5	2	2	85	88	825685	806966	<0.2	1.5	<0.2	1.5			
						1.0	0.2	140	28.6	28.6	8.4	8.4	23.7	23.7	91.9	91.9	6.2	6.2	4.6	6.1	4.6	5.5	2	2	85	88			<0.2	1.5	<0.2	1.5			
					Middle	6.3	0.5	154	28.3	28.3	8.5	8.5	24.7	24.7	86.8	86.8	5.9	5.9	5.3	5.3	5.3	5.3	5.3	5.3	<2	2	88	88			<0.2	1.5	<0.2	1.4	
						6.3	0.5	166	28.3	28.3	8.5	8.5	24.7	24.7	86.7	86.7	5.9	5.9	5.2	5.3	5.2	5.3	5.2	5.3	<2	2	88	88			<0.2	1.4	<0.2	1.5	
					Bottom	11.6	0.5	144	27.7	27.7	8.6	8.6	27.4	27.4	78.4	78.6	5.3	5.3	6.8	6.8	6.8	6.8	6.8	6.8	<2	2	91	90			<0.2	1.5	<0.2	1.5	
						11.6	0.5	145	27.7	27.7	8.6	8.6	27.4	27.4	78.7	78.7	5.3	5.3	6.6	6.6	6.6	6.6	6.6	6.6	<2	2	90	90			<0.2	1.5	<0.2	1.5	
C3	Fine	Moderate	15:51	11.6	Surface	1.0	0.4	286	28.9	28.9	8.3	8.3	25.5	25.5	105.3	105.3	7.0	7.0	2.3	6.6	2.3	3.1	3	2	86	89	822132	817805	<0.2	1.2	<0.2	1.2			
						1.0	0.4	294	28.9	28.9	8.3	8.3	25.5	25.5	105.3	105.3	7.0	7.0	2.3	6.6	2.3	3.1	3	2	85	89			<0.2	1.2	<0.2	1.2			
					Middle	5.8	0.2	257	28.2	28.2	8.4	8.4	26.6	26.6	91.9	91.9	6.2	6.2	2.7	5.4	2.7	5.4	2.7	5.4	<2	2	89	89			<0.2	0.9	<0.2	1.0	
						5.8	0.2	259	28.2	28.2	8.4	8.4	26.6	26.6	91.8	91.8	6.2	6.2	2.7	5.4	2.7	5.4	2.7	5.4	<2	2	89	89			<0.2	1.0	<0.2	1.0	
					Bottom	10.6	0.1	120	27.5	27.5	8.4	8.4	28.4	28.4	79.2	79.3	5.3	5.3	4.4	4.4	4.4	4.4	4.4	4.4	<2	2	91	91			<0.2	1.0	<0.2	0.9	
						10.6	0.1	129	27.5	27.5	8.4	8.4	28.4	28.4	79.4	79.4	5.4	5.4	4.4	4.4	4.4	4.4	4.4	4.4	<2	2	91	91			<0.2	0.9	<0.2	0.9	
IM1	Sunny	Moderate	14:51	5.3	Surface	1.0	0.1	222	29.6	29.6	8.1	8.1	22.9	22.9	108.4	108.3	7.3	7.3	1.1	4.7	1.1	4.7	<2	<2	82	86	817926	807137	<0.2	0.8	<0.2	1.0			
						1.0	0.1	235	29.6	29.6	8.1	8.1	22.9	22.9	108.2	108.2	7.3	7.3	1.1	4.7	1.1	4.7	<2	<2	83	86			<0.2	1.0	<0.2	1.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.3	0.1	179	28.1	28.1	8.0	8.0	25.2	25.2	86.0	86.1	5.8	5.8	8.3	8.3	8.3	8.3	8.3	8.3	<2	<2	88	89			<0.2	0.9	<0.2	0.9	
						4.3	0.1	195	28.1	28.1	8.0	8.0	25.2	25.2	86.1	86.1	5.8	5.8	8.3	8.3	8.3	8.3	8.3	8.3	<2	<2	89	89			<0.2	0.9	<0.2	0.9	
IM2	Sunny	Moderate	14:43	7.3	Surface	1.0	0.2	160	28.7	28.7	8.1	8.1	23.9	23.9	103.1	103.1	7.0	7.0	1.5	6.7	1.5	6.7	2	2	81	86	818180	806160	<0.2	0.9	<0.2	0.9			
						1.0	0.2	161	28.7	28.7	8.1	8.1	23.9	23.9	103.0	103.0	7.0	7.0	1.5	6.7	1.5	6.7	2	2	82	86			<0.2	0.9	<0.2	0.9			
					Middle	3.7	0.1	154	28.2	28.2	8.0	8.0	25.2	25.2	89.1	89.0	6.0	6.0	5.4	5.3	5.4	5.3	5.4	5.3	<2	2	86	86			<0.2	1.0	<0.2	0.9	
						3.7	0.1	161	28.2	28.2	8.0	8.0	25.2	25.2	88.9	88.9	6.0	6.0	5.3	5.3	5.3	5.3	5.3	5.3	<2	2	86	86			<0.2	0.9	<0.2	0.9	
					Bottom	6.3	0.2	104	28.0	28.0	8.0	8.0	26.4	26.4	82.6	82.7	5.6	5.6	13.2	13.2	13.2	13.2	13.2	13.2	<2	2	89	89			<0.2	0.9	<0.2	0.9	
						6.3	0.2	106	28.0	28.0	8.0	8.0	26.4	26.4	82.7	82.7	5.6	5.6	13.2	13.2	13.2	13.2	13.2	13.2	<2	2	89	89			<0.2	0.9	<0.2	0.9	
IM3	Sunny	Moderate	14:36	7.5	Surface	1.0	0.2	120	28.6	28.6	8.1	8.1	24.3	24.3	96.8	96.8	6.6	6.6	2.3	3.6	2.3	3.6	2	2	81	85	818760	805577	<0.2	0.9	<0.2	0.9			
						1.0	0.2	126	28.6	28.6	8.1	8.1	24.3	24.3	96.8	96.8	6.6	6.6	2.2	3.6	2.2	3.6	2	2	81	85			<0.2	0.9	<0.2	0.9			
					Middle	3.8	0.2	135	28.2	28.2	8.0	8.0	25.3	25.3	89.0	89.1	6.0	6.0	2.6	2.6	2.6	2.6	2.6	2.6	<2	2	85	85			<0.2	1.0	<0.2	1.0	
						3.8	0.2	146	28.2	28.2	8.0	8.0	25.3	25.3	89.1	89.1	6.0	6.0	2.6	2.6	2.6	2.6	2.6	2.6	<2	2	85	85			<0.2	1.0	<0.2	1.0	
					Bottom	6.5	0.2	114	28.0	28.0	8.0	8.0	26.4	26.4	84.5	84.5	5.7	5.7	5.9	5.9	5.9	5.9	5.9	5.9	<2	2	90	89			<0.2	1.1	<0.2	0.9	
						6.5	0.2	124	28.0	28.0	8.0	8.0	26.4	26.4	84.5	84.5	5.7	5.7	5.9	5.9	5.9	5.9	5.9	5.9	<2	2	89	89			<0.2	0.9	<0.2	0.9	
IM4	Sunny	Moderate	14:27	8.4	Surface	1.0	0.5	178	28.4	28.4	8.0	8.0	24.5	24.5	89.8	89.8	6.1	6.1	2.6	5.2	2.6	5.2	2	2	80	85	819702	804605	<0.2	1.2	<0.2	1.2			
						1.0	0.5	180	28.4	28.4	8.0	8.0	24.5	24.5	89.7	89.7	6.1	6.1	2.6	5.2	2.6	5.2	2	2	81	85			<0.2	1.2	<0.2	1.2			
					Middle	4.2	0.4	162	28.0	28.0	8.0	8.0	26.5	26.5	82.9	83.0	5.6	5.6	5.8	5.8	5.8	5.8	5.8	5.8	<2	2	84	85			<0.2	1.1	<0.2	1.0	
						4.2	0.4	174	28.0	28.0	8.0	8.0	26.5	26.5	83.1	83.0	5.6	5.6	5.5	5.5	5.5	5.5	5.5	5.5	<2	2	85	89			<0.2	1.1	<0.2	1.0	
					Bottom	7.4	0.3	150	27.9	27.9	8.0	8.0	26.8	26.8	81.4	81.5	5.5	5.5	7.2	7.2	7.2	7.2	7.2	7.2	<2	2	89	89			<0.2	1.0	<0.2	0.9	
						7.4	0.3	156	27.9	27.9	8.0	8.0	26.8	26.8	81.5	81.5	5.5	5.5	7.3	7.3	7.3	7.3	7.3	7.3	<2	2	89	89			<0.2	0.9	<0.2	0.9	
IM5	Sunny	Moderate	14:19	7.5																															

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

Water Quality Monitoring Results on 08 August 20 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	14:36	7.7	Surface	1.0	0.2	99	29.3	29.3	8.3	8.3	21.6	21.6	108.2	108.2	7.3	7.3	2.9	7.0	<2	<2	83	87	87	87	822112	808823	<0.2	1.5	<0.2	1.4		
						1.0	0.2	100	29.3	8.3	8.3	21.6	21.6	108.1	108.1	7.3	7.3	3.0	7.0	<2	<2	84	87	87	87	<0.2			1.4	<0.2	1.4			
					Middle	3.9	0.2	106	28.7	28.7	8.3	8.3	23.9	23.9	98.0	98.0	6.6	6.6	4.3	6.3	<2	<2	87	87	87	87			<0.2	1.4	<0.2	1.4		
					Middle	3.9	0.2	115	28.7	28.7	8.3	8.3	23.9	23.9	98.0	98.0	6.6	6.6	4.2	6.3	<2	<2	87	87	87	87			<0.2	1.4	<0.2	1.4		
					Bottom	6.7	0.2	71	28.7	28.7	8.4	8.4	24.9	24.8	93.6	93.6	6.3	6.3	6.2	6.4	<2	<2	89	89	89	89			<0.2	1.4	<0.2	1.4		
					Bottom	6.7	0.2	73	28.7	28.7	8.4	8.4	24.8	24.8	93.6	93.6	6.3	6.3	6.4	6.4	<2	<2	89	89	89	89			<0.2	1.4	<0.2	1.4		
IM10	Fine	Moderate	14:44	7.8	Surface	1.0	0.6	122	30.0	30.0	8.2	8.2	21.5	21.4	110.7	110.7	7.4	7.4	2.7	7.2	<2	<2	84	84	84	84	822401	809775	<0.2	1.3	<0.2	1.4		
						1.0	0.7	130	30.0	30.0	8.2	8.2	21.3	21.3	110.7	110.7	7.5	7.2	2.7	7.2	<2	<2	84	87	87	87			<0.2	1.4	<0.2	1.4		
					Middle	3.9	0.6	122	28.7	28.7	8.3	8.3	23.9	24.0	103.1	102.7	6.9	6.9	3.4	6.3	<2	<2	87	87	87	87			<0.2	1.4	<0.2	1.4		
					Middle	3.9	0.6	133	28.7	28.7	8.3	8.3	24.0	24.0	102.3	102.3	6.9	6.9	3.4	6.3	<2	<2	87	87	87	87			<0.2	1.4	<0.2	1.4		
					Bottom	6.8	0.4	101	28.4	28.4	8.3	8.3	25.1	25.1	85.4	85.4	5.8	5.8	7.4	7.4	<2	<2	89	89	89	89			<0.2	1.4	<0.2	1.4		
					Bottom	6.8	0.4	106	28.4	28.4	8.3	8.3	25.1	25.1	85.4	85.4	5.8	5.8	7.5	7.5	<2	<2	89	89	89	89			<0.2	1.3	<0.2	1.3		
IM11	Fine	Moderate	14:54	8.8	Surface	1.0	0.7	119	29.3	29.3	8.3	8.3	22.4	22.4	111.4	111.4	7.5	7.5	2.6	7.1	<2	<2	84	85	85	85	822055	811464	<0.2	1.4	<0.2	1.5		
						1.0	0.8	130	29.3	29.3	8.3	8.3	22.4	22.4	111.3	111.3	7.5	7.5	2.6	7.1	<2	<2	85	88	88	88			<0.2	1.4	<0.2	1.4		
					Middle	4.4	0.8	120	28.6	28.6	8.4	8.4	24.1	24.1	98.2	98.1	6.7	6.7	3.6	6.3	<2	<2	88	88	88	88			<0.2	1.3	<0.2	1.3		
					Middle	4.4	0.8	131	28.6	28.6	8.4	8.4	24.1	24.1	98.0	98.0	6.6	6.6	3.6	6.3	<2	<2	88	88	88	88			<0.2	1.3	<0.2	1.3		
					Bottom	7.8	0.4	116	28.2	28.2	8.5	8.5	25.5	25.5	89.4	89.4	6.1	6.1	9.4	9.6	<2	<2	90	90	90	90			<0.2	1.3	<0.2	1.3		
					Bottom	7.8	0.5	118	28.2	28.2	8.5	8.5	25.5	25.5	89.6	89.5	6.1	6.1	9.6	9.6	<2	<2	90	90	90	90			<0.2	1.3	<0.2	1.3		
IM12	Fine	Moderate	15:00	10.1	Surface	1.0	0.5	95	29.6	29.6	8.3	8.3	21.9	21.8	110.7	110.7	7.5	7.5	2.6	6.8	<2	<2	85	85	85	85	821448	812045	<0.2	1.3	<0.2	1.4		
						1.0	0.5	102	29.6	29.6	8.3	8.3	21.8	21.8	110.6	110.6	7.5	6.8	2.6	6.8	<2	<2	84	88	88	88			<0.2	1.4	<0.2	1.3		
					Middle	5.1	0.4	116	28.4	28.4	8.4	8.4	24.6	24.6	89.4	89.3	6.1	6.1	4.9	5.3	3	3	88	88	88	88			<0.2	1.3	<0.2	1.4		
					Middle	5.1	0.4	116	28.4	28.4	8.4	8.4	24.7	24.6	89.2	89.3	6.1	6.1	5.1	5.3	3	3	88	88	88	88			<0.2	1.4	<0.2	1.4		
					Bottom	9.1	0.2	92	28.3	28.3	8.5	8.5	25.2	25.2	86.7	86.9	5.9	5.9	8.3	8.2	<2	<2	90	90	90	90			<0.2	1.4	<0.2	1.4		
					Bottom	9.1	0.2	99	28.3	28.3	8.5	8.5	25.3	25.2	87.0	86.9	5.9	5.9	8.2	8.2	<2	<2	90	90	90	90			<0.2	1.2	<0.2	1.2		
SR1A	Fine	Moderate	15:19	5.2	Surface	1.0	-	-	29.0	29.1	8.3	8.3	23.4	23.4	98.7	98.7	6.7	6.7	3.2	6.7	3	3	-	-	-	-	819975	812659	-	-	-	-		
						1.0	-	-	29.1	29.1	8.4	8.4	23.4	23.4	98.7	98.7	6.7	6.7	3.3	6.7	3	3	-	3	-	-			-	-	-	-		
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					Bottom	4.2	-	-	28.5	28.5	8.5	8.5	25.0	25.0	92.6	92.6	6.3	6.3	3.7	6.3	3	3	3	3	-	-			-	-	-	-	-	-
					Bottom	4.2	-	-	28.5	28.5	8.5	8.5	25.0	25.0	92.6	92.6	6.3	6.3	3.8	6.3	3	3	3	3	-	-			-	-	-	-	-	-
SR2	Fine	Moderate	15:32	4.9	Surface	1.0	0.3	107	29.0	29.0	8.4	8.4	23.6	23.6	105.6	105.7	7.1	7.1	3.3	7.2	<2	<2	86	86	86	86	821440	814174	<0.2	1.2	<0.2	1.2		
						1.0	0.3	114	29.0	29.0	8.4	8.4	23.6	23.6	105.8	105.8	7.2	7.2	3.4	7.2	2	4.1	3	3	-	-			-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					Bottom	3.9	0.2	117	28.6	28.6	8.4	8.4	24.2	24.2	96.3	96.3	6.5	6.5	4.8	6.5	3	6.5	3	3	89	88			88	88	<0.2	1.3	<0.2	1.2
					Bottom	3.9	0.2	123	28.6	28.6	8.4	8.4	24.2	24.2	96.3	96.3	6.5	6.5	4.8	6.5	3	6.5	3	3	88	88			88	88	<0.2	1.2	<0.2	1.2
SR3	Fine	Moderate	14:24	9.4	Surface	1.0	0.2	198	28.8	28.9	8.4	8.4	22.6	22.6	102.1	102.2	6.9	6.9	2.6	6.6	2	4.1	-	-	-	-	822131	807589	-	-	-	-		
						1.0	0.2	203	28.9	28.9	8.4	8.4	22.6	22.6	102.2	102.2	7.0	7.0	2.6	6.6	<2	<2	-	-	-	-			-	-	-	-		
					Middle	4.7	0.2	182	28.5	28.5	8.5	8.5	24.3	24.2	90.7	90.8	6.2	6.2	4.4	6.2	3	6.2	3	3	-	-			-	-	-	-	-	
					Middle	4.7	0.2	196	28.5	28.5	8.5	8.5	24.2	24.2	90.8	90.8	6.2	6.2	4.3	6.2	3	6.2	3	3	-	-			-	-	-	-	-	
					Bottom	8.4	0.1	250	28.4	28.4	8.6	8.6	24.6	24.6	89.1	89.2	6.0	6.0	5.3	6.1	3	6.1	3	3	-	-			-	-	-	-	-	
					Bottom	8.4	0.1	271	28.4	28.4	8.6	8.6	24.6	24.6	89.3	89.2	6.0	6.0	5.3	6.1	3	6.1	3	3	-	-			-	-	-	-	-	
SR4A	Sunny	Calm	15:33	9.2	Surface	1.0	0.2	52	29.0	29.0	8.1	8.1	23.8	23.8	100.8	100.8	6.8	6.8	3.1	6.4	3	5.5	-	-	-	-	817174	807802	-	-	-	-		
						1.0	0.2	53	29.0	29.0	8.1	8.1	23.8	23.8	100.7	100.7	6.8	6.8	3.3	6.4	3	5.5	3	3	-	-			-	-				
					Middle	4.6	0.1	78	28.3	28.3	8.0	8.0	25.0	25.0	88.0	88.0	6.0	6.0	5.5	6.0	2	5.5	3	3	-	-			-	-				
					Middle	4.6	0.1	81	28.3	28.3	8.0	8.0	25.0	25.0	87.9	88.0	6.0	6.0	5.5	6.0	3	5.5	3	3	-	-			-	-				
					Bottom	8.2	0.1	52	28.2	28.2	8.0	8.0	25.3	25.3	79.5	79.7	5.4	5.4	7.8	5.4	3	7.8	3	3	-	-			-	-				
					Bottom	8.2	0.1	56	28.2	28.2	8.0	8.0	25.3	25.3	79.8	79.7	5																	

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

Water Quality Monitoring Results on 08 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	09:43	7.8	Surface	1.0	0.3	263	28.6	28.6	8.1	8.1	23.0	23.0	89.0	89.0	6.1	6.1	8.8	4	83	86	822117	808802	<0.2	1.1	1.2	1.2				
						1.0	0.3	283	28.6	28.6	8.1	8.1	23.0	23.0	89.0	89.0	6.1	6.1	9.0	4	83	86	<0.2	1.2	1.2	1.2						
					Middle	3.9	0.3	256	28.6	28.6	8.1	8.1	23.0	23.0	88.9	88.9	6.1	6.1	9.9	5	87	87	<0.2	1.2	1.2	1.2						
						3.9	0.3	278	28.6	28.6	8.1	8.1	23.0	23.0	88.9	88.9	6.1	6.1	9.9	5	87	87	<0.2	1.2	1.2	1.2						
					Bottom	6.8	0.3	258	28.6	28.6	8.1	8.1	22.9	22.9	89.1	89.1	6.1	6.1	10.6	6	90	89	<0.2	1.2	1.2	1.2						
						6.8	0.3	265	28.6	28.6	8.1	8.1	23.0	23.0	89.2	89.2	6.1	6.1	10.5	6	89	89	<0.2	1.2	1.2	1.2						
IM10	Fine	Moderate	09:36	8.1	Surface	1.0	0.7	300	28.8	28.8	8.2	8.2	21.9	21.9	94.9	94.9	6.5	6.5	2.7	3	84	84	822369	809792	<0.2	1.3	1.3	1.3				
						1.0	0.8	304	28.8	28.8	8.2	8.2	21.9	21.9	94.8	94.8	6.5	6.5	2.6	3	84	84	<0.2	1.3	1.3	1.3						
					Middle	4.1	0.5	303	28.4	28.4	8.2	8.2	24.1	24.1	84.7	84.7	5.8	5.8	6.3	6.1	<2	2	87	87	<0.2	1.3	1.3	1.3				
						4.1	0.5	325	28.4	28.4	8.2	8.2	24.1	24.1	84.7	84.7	5.8	5.8	6.1	6.1	<2	2	87	87	<0.2	1.2	1.2	1.2				
					Bottom	7.1	0.5	295	28.4	28.4	8.2	8.2	24.3	24.3	84.7	84.7	5.8	5.8	9.3	9.3	<2	2	90	90	<0.2	1.3	1.3	1.3				
						7.1	0.5	311	28.4	28.4	8.2	8.2	24.3	24.3	84.7	84.7	5.8	5.8	9.5	9.5	<2	2	90	90	<0.2	1.2	1.2	1.2				
IM11	Fine	Moderate	09:26	8.8	Surface	1.0	0.8	300	28.6	28.6	8.1	8.1	23.1	23.1	89.4	89.4	6.1	6.1	2.7	2	84	84	822037	811439	<0.2	1.3	1.3	1.3				
						1.0	0.8	310	28.6	28.6	8.1	8.1	23.1	23.1	89.4	89.4	6.1	6.1	2.7	2	84	84	<0.2	1.2	1.2	1.2						
					Middle	4.4	0.7	301	28.1	28.1	8.1	8.1	25.2	25.2	81.3	81.3	5.5	5.5	5.9	5.9	<2	<2	87	87	<0.2	1.2	1.2	1.2				
						4.4	0.7	307	28.1	28.1	8.1	8.1	25.2	25.2	81.3	81.3	5.5	5.5	5.9	5.9	<2	<2	87	87	<0.2	1.2	1.2	1.2				
					Bottom	7.8	0.5	295	27.7	27.7	8.1	8.1	26.9	26.9	76.6	76.6	5.2	5.2	7.2	7.2	<2	<2	90	90	<0.2	1.3	1.3	1.3				
						7.8	0.5	321	27.7	27.7	8.1	8.1	26.9	26.9	76.7	76.7	5.2	5.2	7.2	7.2	<2	<2	90	90	<0.2	1.2	1.2	1.2				
IM12	Fine	Moderate	09:20	9.2	Surface	1.0	0.8	285	28.5	28.5	8.1	8.1	23.2	23.2	91.8	91.8	6.3	6.3	2.7	2	84	84	821438	812044	<0.2	1.2	1.2	1.3				
						1.0	0.8	300	28.4	28.4	8.1	8.1	23.2	23.2	91.8	91.8	6.3	6.3	2.9	2	84	84	<0.2	1.3	1.3	1.3						
					Middle	4.6	0.6	283	28.2	28.2	8.1	8.1	25.2	25.2	84.4	84.4	5.7	5.7	6.5	6.5	<2	<2	87	87	<0.2	1.3	1.3	1.3				
						4.6	0.6	288	28.2	28.2	8.1	8.1	25.2	25.2	84.3	84.3	5.7	5.7	6.6	6.6	<2	<2	87	87	<0.2	1.2	1.2	1.2				
					Bottom	8.2	0.4	291	28.1	28.1	8.1	8.1	25.4	25.4	83.2	83.2	5.6	5.6	9.4	9.4	<2	<2	90	90	<0.2	1.2	1.2	1.2				
						8.2	0.5	312	28.1	28.1	8.1	8.1	25.4	25.4	83.2	83.2	5.6	5.6	9.5	9.5	<2	<2	90	90	<0.2	1.3	1.3	1.3				
SR1A	Fine	Moderate	09:00	5.1	Surface	1.0	-	-	28.6	28.6	8.2	8.2	22.3	22.4	92.6	92.7	6.4	6.4	2.3	2	-	-	819978	812656	-	-	-	-				
						1.0	-	-	28.6	28.6	8.2	8.2	22.4	22.4	92.5	92.5	6.3	6.3	2.3	2	-	-	-	-	-	-	-	-				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.1	-	-	28.5	28.5	8.2	8.2	23.0	23.0	91.5	91.5	6.3	6.3	2.3	2	-	-	-	-	-	-	-	-	-	-	-	
						4.1	-	-	28.5	28.5	8.2	8.2	23.0	23.0	91.5	91.5	6.3	6.3	2.3	2	-	-	-	-	-	-	-	-	-	-	-	
SR2	Fine	Moderate	08:47	4.8	Surface	1.0	0.1	45	28.3	28.3	8.2	8.2	23.6	23.5	87.5	87.5	6.0	6.0	2.9	3	86	86	821479	814169	<0.2	1.3	1.3	1.3				
						1.0	0.1	45	28.3	28.3	8.2	8.2	23.5	23.5	87.5	87.5	6.0	6.0	3.0	3	86	86	<0.2	1.2	1.2	1.2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.8	0.1	145	27.6	27.6	8.2	8.2	27.1	27.1	78.0	78.1	5.3	5.3	4.8	4.8	<2	<2	88	88	<0.2	1.4	1.4	1.4				
						3.8	0.1	152	27.6	27.6	8.2	8.2	27.1	27.1	78.1	78.1	5.3	5.3	4.9	4.9	<2	<2	89	89	<0.2	1.4	1.4	1.4				
SR3	Fine	Moderate	09:55	9.5	Surface	1.0	0.2	286	29.0	29.0	8.1	8.1	20.1	20.1	94.8	94.8	6.5	6.5	2.4	2	-	-	822132	807560	-	-	-	-				
						1.0	0.2	296	29.0	29.0	8.1	8.1	20.1	20.1	94.8	94.8	6.5	6.5	2.4	2	-	-	-	-	-	-	-	-				
					Middle	4.8	0.1	303	28.7	28.7	8.1	8.1	21.9	21.9	89.6	89.6	6.1	6.1	2.7	2.7	<2	<2	-	-	-	-	-	-	-	-		
						4.8	0.1	322	28.7	28.7	8.1	8.1	21.9	21.9	89.5	89.5	6.1	6.1	2.8	2.8	<2	<2	-	-	-	-	-	-	-	-		
					Bottom	8.5	0.1	72	28.4	28.4	8.1	8.1	24.5	24.5	83.4	83.5	5.7	5.7	7.0	7.1	<2	<2	-	-	-	-	-	-	-	-		
						8.5	0.1	72	28.4	28.4	8.1	8.1	24.5	24.5	83.5	83.5	5.7	5.7	7.1	7.1	<2	<2	-	-	-	-	-	-	-	-		
SR4A	Fine	Calm	09:14	9.5	Surface	1.0	0.2	262	28.4	28.4	8.0	8.0	23.1	23.1	87.7	87.6	6.0	6.0	2.4	2	-	-	817168	807831	-	-	-	-				
						1.0	0.2	264	28.4	28.4	8.0	8.0	23.1	23.1	87.5	87.5	6.0	6.0	2.4	2	-	-	-	-	-	-	-	-				
					Middle	4.8	0.2	258	28.2	28.2	8.0	8.0	23.4	23.4	83.3	83.3	5.7	5.7	2.6	2.6	3	3	-	-	-	-	-	-	-			
						4.8	0.2	272	28.2	28.2	8.0	8.0	23.4	23.4	83.3	83.3	5.7	5.7	2.6	2.6	3	3	-	-	-	-	-	-	-			
					Bottom	8.5	0.1	91	27.9	27.9	8.0	8.0	25.5	25.5	76.5	76.5	5.2	5.2	4.7	4.6	4	3	-	-	-	-	-	-	-			
						8.5	0.1	95	27.9	27.9	8.0	8.0	25.5	25.5	76.5	76.5	5.2	5.2	4.6	4.6	3	3	-	-	-	-	-	-	-			
SR5A	Fine	Calm	08:56	5.5	Surface	1.0	0.2	269	28.3	28.3	8.0	8.0	23.7	23.7	86.0	86.0	5.9	5.9	3.2	3	-	-	816592	810692	-	-	-	-				
						1.0	0.2	294	28.3	28.3	8.0	8.0	23.7	23.7	86.0	86.0	5.9	5.9	3.2	3	-	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.5	0.2	280	28.3	28.3	8.0	8.0	23.7	23.7	85.7	85.7	5.9	5.9	4.3	4.4	3	3	-	-	-	-	-	-	-			
						4.5	0																									

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

Water Quality Monitoring

Water Quality Monitoring Results on **11 August 20** 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
C1	Cloudy	Moderate	16:52	8.4	Surface	1.0	0.3	214	29.9	29.9	8.8	8.8	16.6	16.6	178.1	177.6	12.3	12.3	5.0	7	8	84	88	815627	804223	<0.2	1.3	1.4								
						1.0	0.3	223	29.9	29.9	8.8	8.8	16.6	16.6	177.0	177.0	12.3	12.3	4.9	8	8	84	88	<0.2	1.4	1.4										
						4.2	0.1	182	28.3	28.3	8.2	8.2	28.1	28.1	76.3	76.1	5.1	6.0	6.1	10	10	88	88	<0.2	1.4	1.4										
					4.2	0.1	197	28.2	28.2	8.2	8.2	28.2	28.2	75.8	75.8	5.1	6.3	9	9	9	88	88	<0.2	1.3	1.3											
					7.4	0.1	228	28.0	28.0	8.2	8.2	31.0	30.9	67.5	67.7	4.5	4.5	4.5	7.1	10	10	91	91	<0.2	1.3	1.3										
					7.4	0.1	228	28.0	28.0	8.2	8.2	30.9	30.9	67.8	67.8	4.5	4.5	4.5	7.1	11	11	92	92	<0.2	1.4	1.4										
C2	Cloudy	Moderate	15:52	12.0	Surface	1.0	0.1	163	29.1	29.1	8.3	8.3	17.9	17.9	121.2	121.3	8.4	8.4	1.4	15	15	86	86	825675	806937	<0.2	1.6	1.6								
						1.0	0.1	177	29.1	29.1	8.3	8.3	17.9	17.9	121.3	121.3	8.4	8.4	1.2	14	14	86	86	<0.2	1.5	1.5										
						6.0	0.1	168	28.6	28.6	8.0	8.0	22.4	22.4	87.2	87.2	6.0	6.0	3.4	15	15	88	88	<0.2	1.4	1.4										
					6.0	0.1	177	28.6	28.6	8.0	8.0	22.4	22.4	87.2	87.2	6.0	6.0	1.3	15	15	88	88	<0.2	1.6	1.6											
					11.0	0.2	153	27.7	27.7	7.9	7.9	26.1	26.1	70.4	70.3	4.8	4.8	4.8	5.9	16	16	90	90	<0.2	1.6	1.6										
					11.0	0.2	156	27.7	27.7	7.9	7.9	26.2	26.1	70.2	70.2	4.8	4.8	6.1	16	16	90	90	<0.2	1.6	1.6											
C3	Cloudy	Moderate	17:38	11.8	Surface	1.0	0.1	54	29.7	29.7	8.7	8.7	18.5	18.5	185.9	185.9	12.8	12.8	1.4	11	11	88	88	822088	817804	<0.2	1.5	1.5								
						1.0	0.1	55	29.6	29.6	8.7	8.7	18.5	18.5	185.4	185.4	12.8	12.8	1.4	11	11	86	86	<0.2	1.4	1.4										
						5.9	0.1	4	29.0	29.0	8.3	8.3	21.2	21.2	125.8	125.6	8.6	8.6	4.8	10	10	88	88	<0.2	1.4	1.4										
					5.9	0.1	4	29.0	29.0	8.3	8.3	21.2	21.2	125.4	125.4	8.6	8.6	5.1	9	9	90	90	<0.2	1.4	1.4											
					10.8	0.2	42	27.5	27.6	8.0	8.0	26.6	26.6	81.0	83.0	5.5	5.7	8.0	7	7	90	90	<0.2	1.4	1.4											
					10.8	0.2	42	27.6	27.6	8.0	8.0	26.6	26.6	84.9	84.9	5.8	5.8	6.3	6	6	91	91	<0.2	1.4	1.4											
IM1	Cloudy	Moderate	16:33	5.0	Surface	1.0	0.1	197	30.1	30.1	8.8	8.8	15.9	15.9	197.6	197.4	13.7	13.7	5.6	13	13	84	84	817950	807116	<0.2	1.3	1.3								
						1.0	0.1	216	30.1	30.1	8.8	8.8	15.9	15.9	197.2	197.2	13.7	13.7	5.5	12	12	84	84	<0.2	1.5	1.5										
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					4.0	0.2	169	30.0	30.0	8.8	8.8	17.2	17.2	180.1	180.0	12.4	12.4	7.6	11	11	87	87	-	-	-	-	-	-	-	-						
					4.0	0.2	184	30.0	30.0	8.8	8.8	17.2	17.2	179.9	179.9	12.4	12.4	7.8	11	11	87	87	-	-	-	-	-	-	-	-	-					
					4.0	0.2	184	30.0	30.0	8.8	8.8	17.2	17.2	179.9	179.9	12.4	12.4	7.8	11	11	87	87	-	-	-	-	-	-	-	-	-					
IM2	Cloudy	Moderate	16:26	7.0	Surface	1.0	0.2	225	30.0	30.0	8.8	8.8	16.2	16.2	188.4	186.1	13.0	13.0	6.6	13	13	88	88	818150	806181	<0.2	1.3	1.3								
						1.0	0.2	237	30.0	30.0	8.8	8.8	16.2	16.2	183.7	183.7	12.7	12.7	6.6	14	14	89	89	<0.2	1.4	1.4										
						3.5	0.2	179	29.2	29.2	8.4	8.4	21.9	22.0	116.4	116.4	7.9	7.9	5.6	12	12	91	91	<0.2	1.5	1.5										
					3.5	0.2	190	29.1	29.1	8.4	8.4	22.1	22.0	116.4	116.4	7.9	7.9	5.6	13	13	93	93	<0.2	1.5	1.5											
					6.0	0.2	115	28.5	28.5	8.2	8.2	27.8	27.8	69.3	69.5	4.6	4.6	7.5	12	12	97	97	<0.2	1.5	1.5											
					6.0	0.2	121	28.5	28.5	8.2	8.2	27.7	27.8	69.6	69.5	4.6	4.6	7.2	12	12	98	98	<0.2	1.5	1.5											
IM3	Cloudy	Moderate	16:21	7.2	Surface	1.0	0.2	208	30.2	30.2	8.8	8.8	15.1	15.2	197.2	197.0	13.6	13.6	5.1	18	18	87	87	818768	805616	<0.2	1.4	1.4								
						1.0	0.3	225	30.2	30.2	8.8	8.8	15.2	15.2	196.7	196.7	13.6	13.6	5.0	16	16	88	88	<0.2	1.4	1.4										
						3.6	0.1	232	29.0	29.0	8.4	8.4	21.4	21.4	107.3	106.9	7.3	7.3	6.2	12	12	91	91	<0.2	1.4	1.4										
					3.6	0.1	237	28.9	28.9	8.4	8.4	21.4	21.4	106.5	106.9	7.3	7.3	6.3	11	11	92	92	<0.2	1.4	1.4											
					6.2	0.2	101	28.6	28.6	8.2	8.2	27.2	27.2	75.8	76.0	5.1	5.1	7.2	15	15	94	94	<0.2	1.4	1.4											
					6.2	0.2	109	28.6	28.6	8.2	8.2	27.2	27.2	76.2	76.0	5.1	5.1	7.1	16	16	95	95	<0.2	1.4	1.4											
IM4	Cloudy	Moderate	16:13	8.1	Surface	1.0	0.4	196	30.0	30.0	8.8	8.8	16.2	16.2	184.2	184.1	12.7	12.7	6.5	14	14	84	84	819735	804597	<0.2	1.4	1.4								
						1.0	0.4	214	30.0	30.0	8.8	8.8	16.2	16.2	184.0	184.0	12.7	12.7	6.4	12	12	84	84	<0.2	1.4	1.4										
						4.1	0.2	197	29.1	29.1	8.4	8.4	21.4	21.4	123.3	123.1	8.4	8.4	6.5	13	13	87	87	<0.2	1.5	1.5										
					4.1	0.2	212	29.1	29.1	8.4	8.4	21.4	21.4	122.9	123.1	8.4	8.4	5.5	14	14	88	88	<0.2	1.5	1.5											
					7.1	0.2	150	28.6	28.6	8.2	8.2	27.3	27.3	81.0	81.9	5.4	5.5	7.5	12	12	92	92	<0.2	1.3	1.3											
					7.1	0.2	155	28.6	28.6	8.2	8.2	27.2	27.3	82.7	82.7	5.5	5.5	7.4	11	11	92	92	<0.2	1.4	1.4											
IM5	Cloudy	Moderate	16:06	7.6	Surface	1.0	0.2	219	30.3	30.3	8.8	8.8	15.5	15.5	205.3	204.3	14.2	14.2	7.1	12	12	84	84	820740	804882	<0.2	1.6	1.6								
						1.0	0.2	225	30.3	30.3	8.8	8.8	15.5	15.5	203.2	204.3	14.1	14.1	7.1	14	14	83	83	<0.2	1.4	1.4										
						3.8	0.5	227	29.4	29.4	8.4	8.4	21.5	21.5	124.3	124.3	8.4	8.4	6.4	2	2	88	88	<0.2	1.5	1.5										
					3.8	0.5	232	29.4	29.4	8.4	8.4	21.6	21.5	124.2	124.3	8.4	8.4	5.6	14	14	88	88	<0.2	1.5	1.5											
					6.6	0.3	199	28.8	28.8	8.3	8.3	25.7	25.7	90.3	90.4	6.1	6.1	6.5	17	17	92	92	<0.2	1.4	1.4											
					6.6	0.3	214	28.8	28.8	8.3	8.3	25.7	25.7	90.5	90.4	6.1	6.1	6.6	16	16	92	92	<0.2	1.3	1.3											
IM6	Cloudy	Moderate	15:59	7.4	Surface	1.0	0.4	242	30.0	30.0	8.9	8.9	17.2	17.2	198.1	197.6	13.6	13.6	4.1	17	17	84	84	821062	805836	<0.2	1.6	1.6								
						1.0	0.4	262	30.0	30.0	8.9	8.9	17.2	17.2	197.0	197.6	13.6	13.6	4.1	16	16	84	84	<0.2	1.4	1.4										
						3.7	0.3	247	29.4	29.4	8.3	8.3	20.5	20.4	112.5	112.5	7.7	7.7	3.9	14	14	88	88	<0.2	1.4	1.4										
					3.7	0.4	256	29.4	29.4	8.3	8.3	20.4	20.4	112.4	112.5	7.7	7.7	3.9	16	16	88	88	<0.2	1.4	1.4											
					6.4	0.4	236	28.8	28.8	8.3	8.3	26.0	26.1	84.9	84.9	5.7	5.7	6.8																		

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

Water Quality Monitoring Results on 11 August 20 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	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA		
C1	Cloudy	Moderate	11:48	8.3	Surface	1.0	0.3	52	29.7	29.7	8.6	8.6	16.3	16.3	173.1	172.5	12.0	12.0	5.5	5.5	7	7	85	85	89	815611	804242	<0.2	1.4	<0.2	1.4							
						1.0	0.3	56	29.7	29.7	8.6	8.6	16.3	16.3	171.8	171.9	11.9	11.9	5.5	5.5	6	6	85	85														
					Middle	4.2	0.3	37	29.1	29.1	8.5	8.5	18.7	18.3	125.1	125.2	8.7	8.7	4.8	4.8	6	6	89	89														
						4.2	0.3	37	29.1	29.1	8.5	8.5	18.0	18.0	125.2	125.2	8.7	8.7	4.9	4.9	7	7	90	90														
					Bottom	7.3	0.2	42	28.4	28.4	7.9	7.9	29.0	28.9	69.5	69.6	4.6	4.6	6.2	6.2	8	8	93	93														
						7.3	0.2	42	28.4	28.4	7.9	7.9	28.9	28.9	69.7	69.7	4.6	4.6	6.2	6.2	7	7	94	94														
C2	Cloudy	Moderate	12:58	12.3	Surface	1.0	0.4	21	29.5	29.4	8.5	8.5	15.2	15.2	152.8	152.1	10.7	10.7	3.7	3.7	9	9	86	86	88	825663	806961	<0.2	1.5	<0.2	1.5							
						1.0	0.4	22	29.3	29.3	8.5	8.5	15.2	15.2	151.3	151.3	10.7	10.7	3.4	3.4	8	8	86	86														
					Middle	6.2	0.3	356	28.5	28.5	8.0	8.0	23.0	23.0	87.2	87.2	6.0	6.0	1.3	1.3	9	9	88	88														
						6.2	0.3	328	28.5	28.5	8.0	8.0	23.0	23.0	87.1	87.1	6.0	6.0	1.3	1.3	8	8	89	89														
					Bottom	11.3	0.2	7	28.1	28.1	8.0	8.0	24.7	24.6	77.8	78.0	5.3	5.3	9.2	9.2	9	9	91	91														
						11.3	0.2	7	28.1	28.1	8.0	8.0	24.6	24.6	78.1	78.1	5.3	5.3	9.2	9.2	9	9	90	90														
C3	Cloudy	Moderate	11:14	11.8	Surface	1.0	0.3	259	29.4	29.4	8.5	8.5	18.2	18.2	167.7	166.8	11.6	11.6	2.4	2.4	5	5	86	86	88	822124	817812	<0.2	1.5	<0.2	1.5							
						1.0	0.3	283	29.3	29.3	8.5	8.5	18.2	18.2	165.9	165.8	11.5	11.5	2.4	2.4	5	5	85	85														
					Middle	5.9	0.3	269	28.3	28.3	8.0	8.0	23.8	23.8	99.3	97.5	6.8	6.5	2.6	2.6	5	5	88	88														
						5.9	0.3	280	28.3	28.3	8.0	8.0	23.8	23.8	95.7	95.7	6.5	6.5	2.7	2.7	5	5	89	89														
					Bottom	10.8	0.3	254	27.7	27.7	8.0	8.0	26.1	26.1	85.6	86.0	5.8	5.9	7.1	7.1	5	5	90	90														
						10.8	0.4	254	27.7	27.7	8.0	8.0	26.1	26.1	86.4	86.4	5.9	5.9	8.1	8.1	6	6	90	90														
IM1	Cloudy	Calm	12:06	5.0	Surface	1.0	0.2	9	30.1	30.2	8.7	8.7	15.2	15.1	192.9	192.9	13.4	13.4	6.5	6.5	8	8	89	89	92	817945	807153	<0.2	1.3	<0.2	1.3							
						1.0	0.2	9	30.2	30.2	8.7	8.7	15.0	15.0	192.9	192.9	13.4	13.4	6.6	6.6	9	9	90	90														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-	-	-
					Bottom	4.0	0.1	309	30.1	30.1	8.3	8.3	16.4	16.4	190.1	189.6	13.1	13.1	8.2	8.2	12	12	93	93														
						4.0	0.1	334	30.1	30.1	8.3	8.3	16.3	16.4	189.0	189.0	13.0	13.0	8.7	8.7	13	13	94	94														
IM2	Cloudy	Moderate	12:13	7.1	Surface	1.0	0.2	2	29.7	29.7	8.4	8.4	15.7	15.7	177.0	176.5	12.3	12.3	6.1	6.1	10	10	82	82	85	818177	806148	<0.2	1.5	<0.2	1.5							
						1.0	0.2	2	29.7	29.7	8.4	8.4	15.7	15.7	175.9	175.9	12.3	12.3	6.1	6.1	10	10	82	82														
					Middle	3.6	0.3	336	29.7	29.7	7.9	7.9	17.7	17.8	155.0	154.8	10.7	10.7	5.9	5.9	12	12	85	85														
						3.6	0.3	343	29.6	29.6	7.9	7.9	17.8	17.8	154.5	154.5	10.7	10.7	6.1	6.1	12	12	84	84														
					Bottom	6.1	0.2	300	28.5	28.6	7.9	7.9	28.5	28.5	73.7	74.1	4.9	4.9	6.9	6.9	11	11	88	88														
						6.1	0.2	323	28.6	28.6	7.9	7.9	28.4	28.5	74.4	74.4	4.9	4.9	7.0	7.0	11	11	89	89														
IM3	Cloudy	Moderate	12:18	7.2	Surface	1.0	0.5	355	29.7	29.7	8.4	8.4	15.7	15.4	174.5	174.0	12.2	12.2	7.0	7.0	7	7	84	84	90	818773	805580	<0.2	1.2	<0.2	1.2							
						1.0	0.5	356	29.6	29.6	8.4	8.4	15.2	15.2	173.5	173.5	12.1	12.1	6	6	84	84																
					Middle	3.6	0.4	333	29.3	29.3	7.9	7.9	20.6	20.6	123.9	123.6	8.5	8.5	7.7	7.7	10	10	91	91														
						3.6	0.4	347	29.3	29.3	7.9	7.9	20.6	20.6	123.3	123.3	8.4	8.4	7.5	7.5	10	10	92	92														
					Bottom	6.2	0.2	297	28.6	28.6	7.9	7.9	26.8	26.8	78.9	79.0	5.3	5.3	7.4	7.4	10	10	94	94														
						6.2	0.2	315	28.6	28.6	7.9	7.9	26.8	26.8	79.1	79.1	5.3	5.3	7.3	7.3	10	10	93	93														
IM4	Cloudy	Moderate	12:27	8.2	Surface	1.0	0.4	15	30.3	30.3	8.3	8.3	15.7	15.7	190.2	190.0	13.1	13.1	6.4	6.4	7	7	89	89	92	819733	804587	<0.2	1.2	<0.2	1.2							
						1.0	0.4	15	30.3	30.3	8.3	8.3	15.7	15.7	189.7	189.7	13.1	13.1	6.4	6.4	7	7	89	89														
					Middle	4.1	0.5	317	28.9	28.9	8.4	8.4	24.4	24.4	90.0	90.1	6.1	6.1	4.2	4.2	6	6	93	93														
						4.1	0.6	322	28.9	28.9	8.4	8.4	24.4	24.4	90.1	90.1	6.1	6.1	4.2	4.2	7	7	93	93														
					Bottom	7.2	0.5	326	28.8	28.8	7.9	7.9	26.2	26.2	87.7	87.9	5.9	5.9	6.9	6.9	8	8	93	93														
						7.2	0.5	355	28.8	28.8	7.9	7.9	26.2	26.2	88.1	88.1	5.9	5.9	6.8	6.8	7	7	95	95														
IM5	Cloudy	Moderate	12:33	7.3	Surface	1.0	0.6	325	30.2	30.2	8.4	8.4	17.3	17.3	194.6	194.4	13.3	13.3	6.4	6.4	9	9	88	88	90	820722	804844	<0.2	1.5	<0.2	1.5							
						1.0	0.6	342	30.2	30.2	8.4	8.4	17.3	17.3	194.2	194.2	13.3	13.3	6.3	6.3	5	5	88	88														
					Middle	3.7	0.4	315	30.0	30.0	8.3	8.3	18.2	18.2	184.6	184.4	12.6	12.6	6.2	6.2	5	5	88	88														
						3.7	0.4	342	30.0	30.0	8.3	8.3	18.2	18.2	184.1	184.1	12.6	12.6	6.3	6.3	6	6	89	89														
					Bottom	6.3	0.4	334	28.6	28.6	8.1	8.1	26.6	26.7	81.9	82.0	5.5	5.5	8.2	8.2	8	8	92	92														
						6.3	0.4	339	28.6	28.6	8.1	8.1	26.7	26.7	82.1	82.1	5.5	5.5	8.2	8.2	9	9	92	92														
IM6	Cloudy	Moderate	12:40	7.4	Surface	1.0	0.2	249	30.0	30.0	8.4	8.4	17.6	17.6	195.5	195.0	13.4	13.4	5.5	5.5	6	6	87	87	91	821066	805827	<0.2	1.4	<0.2	1.4							
						1.0	0.2	271	29.9	29.9	8.4	8.4	17.7	17.6	194.4	194.4	13.4	13.4	5.9	5.9	5	5	87	87														
					Middle	3.7	0.1	217	29.3	29.3	8.4	8.4	23.4	23.4	116.3	116.6	7.8	7.8	7.0	7.0	6	6	90	90														
						3.7	0.1	232	29.3	29.3	8.4	8.4	23.4	23.4	116.8	116.8	7.9	7.9	7.0	7.0	6	6	91	91														
					Bottom	6.4	0.2	71	28.6	28.6	8.0	8.0	26.9	26.9	81.6	81.7	5.4	5.5	8.6	8.6	6	6	93	93														
						6.4	0.2	71	28.6	28.6	8.0	8.0	26.9	26.9	81.7	81.7	5.5	5.5	8.5	8.5	7	7	95	95														
IM7	Cloudy	Moderate	12:48	8.4	Surface	1.0	0.2	228	29.7	29.7	8.4	8.4	17.0	17.0	168.2	167.8	11.6	11.6	5.3	5.3	7	7	85	85	90	821364	806846	<0.2	1.5									

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

Water Quality Monitoring Results on 11 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:27	7.5	Surface	1.0	0.1	271	29.4	29.4	8.6	8.6	15.9	15.9	166.6	166.5	11.7	5.4	7	86	88	822072	808813	<0.2	1.3	<0.2	1.3					
						1.0	0.1	279	29.4	29.4	8.6	8.6	15.9	166.4	11.6	5.4	8	87	88													
						3.8	0.1	276	29.4	29.4	8.4	8.4	17.9	145.5	10.1	4.4	9	88	89													
					3.8	0.1	298	29.4	29.4	8.4	8.4	17.9	143.7	10.0	4.4	10	89	90														
					6.5	0.2	322	28.8	28.9	8.0	8.0	21.7	91.3	6.2	9.1	10	90	90														
					6.5	0.2	338	28.9	28.9	8.0	8.0	21.7	92.9	6.4	9.3	10	90	90														
IM10	Cloudy	Moderate	12:20	8.1	Surface	1.0	0.3	328	29.6	29.6	8.6	8.6	16.0	16.0	172.5	172.2	12.0	4.0	8	86	88	822390	809802	<0.2	1.4	<0.2	1.4					
						1.0	0.3	354	29.6	29.6	8.6	8.6	16.0	171.9	12.0	4.0	7	86	88													
						4.1	0.4	322	28.8	28.8	8.1	8.0	21.6	92.5	6.3	5.6	7	87	88													
					4.1	0.4	338	28.8	28.8	8.0	8.0	21.4	93.6	6.4	5.6	8	88	89														
					7.1	0.2	326	28.6	28.6	8.0	8.0	22.8	85.2	5.8	8.2	7	90	90														
					7.1	0.2	342	28.6	28.6	8.0	8.0	22.7	85.6	5.8	8.3	8	90	90														
IM11	Cloudy	Moderate	12:08	7.3	Surface	1.0	0.2	335	29.8	29.8	8.6	8.6	16.9	16.9	180.2	180.2	12.5	2.8	8	86	88	822033	811467	<0.2	1.3	<0.2	1.3					
						1.0	0.2	308	29.8	29.8	8.6	8.6	16.9	179.8	12.4	2.8	8	86	88													
						3.7	0.2	313	29.3	29.3	8.3	8.3	18.4	127.6	8.8	2.9	6	88	89													
					3.7	0.3	332	29.2	29.2	8.3	8.0	18.4	127.4	8.8	3.1	7	87	89														
					6.3	0.2	326	28.5	28.5	8.0	8.0	23.2	90.6	6.2	5.5	7	89	90														
					6.3	0.3	337	28.4	28.5	8.0	8.0	23.3	90.8	6.2	5.5	7	89	90														
IM12	Cloudy	Moderate	12:02	8.9	Surface	1.0	0.2	330	29.4	29.4	8.5	8.5	17.6	17.6	157.7	157.4	10.9	3.0	8	87	89	821473	812039	<0.2	1.4	<0.2	1.4					
						1.0	0.2	347	29.4	29.4	8.5	8.5	17.6	157.0	10.9	3.2	7	88	89													
						4.5	0.3	326	29.0	29.0	8.2	8.2	21.2	120.3	8.2	4.3	7	88	89													
					4.5	0.3	339	29.0	29.0	8.2	8.2	21.1	120.2	8.2	4.2	8	89	90														
					7.9	0.2	347	27.7	27.7	8.0	8.0	26.1	79.6	5.4	6.6	7	90	91														
					7.9	0.2	359	27.7	27.7	8.0	8.0	26.1	80.1	5.5	6.5	7	90	91														
SR1A	Cloudy	Moderate	11:45	4.9	Surface	1.0	-	-	29.6	29.6	8.6	8.6	17.3	17.2	176.5	176.4	12.2	3.1	5	-	-	819976	812658	-	-	-	-					
						1.0	-	-	29.6	29.6	8.6	8.6	17.2	176.3	12.2	3.2	5	-	-													
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.9	-	-	29.4	29.4	8.4	8.4	19.7	144.6	9.9	4.8	5	-	-														
					3.9	-	-	29.4	29.4	8.4	8.4	19.7	144.1	9.9	5.0	6	-	-														
SR2	Cloudy	Moderate	11:34	4.8	Surface	1.0	0.2	190	29.3	29.3	8.6	8.6	16.3	16.2	168.3	167.6	11.8	4.5	5	88	89	821472	814144	<0.2	1.3	<0.2	1.4					
						1.0	0.2	190	29.2	29.2	8.6	8.6	16.2	166.9	11.7	4.9	5	88	89													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.8	0.1	356	28.8	28.8	8.2	8.2	21.7	113.1	7.7	7.1	6	90	90														
					3.8	0.1	328	28.8	28.8	8.2	8.2	21.6	113.7	7.8	7.0	5	90	90														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR3	Cloudy	Moderate	12:39	9.2	Surface	1.0	0.2	359	29.4	29.4	8.5	8.5	16.1	16.1	147.1	146.7	10.3	5.2	9	-	-	822164	807579	-	-	-	-					
						1.0	0.2	330	29.4	29.4	8.5	8.5	16.1	146.3	10.2	5.1	10	-	-													
						4.6	0.2	350	29.2	29.2	8.2	8.2	18.5	110.9	7.7	3.9	9	-	-													
					4.6	0.2	322	29.1	29.2	8.2	8.2	18.4	111.7	7.8	3.7	9	-	-														
					8.2	0.2	10	28.5	28.5	8.0	8.0	24.1	85.4	5.8	2.7	9	-	-														
					8.2	0.2	10	28.5	28.5	8.0	8.0	24.0	86.2	5.9	2.7	8	-	-														
SR4A	Cloudy	Calm	11:27	8.9	Surface	1.0	0.1	359	30.1	30.1	8.6	8.6	18.3	18.3	179.4	179.2	12.3	6.6	6	-	-	817189	807827	-	-	-	-					
						1.0	0.1	330	30.1	30.1	8.6	8.6	18.3	178.9	12.2	6.7	7	-	-													
						4.5	0.2	258	29.8	29.8	7.9	7.9	20.9	141.7	9.6	7.5	10	-	-													
					4.5	0.2	258	29.8	29.8	8.0	8.0	20.8	141.2	9.6	7.5	10	-	-														
					7.9	0.2	258	28.6	28.6	7.9	7.9	27.8	71.8	4.8	8.1	9	-	-														
					7.9	0.2	283	28.6	28.6	7.9	7.9	27.8	72.0	4.8	8.3	10	-	-														
SR5A	Cloudy	Calm	11:11	3.3	Surface	1.0	0.1	305	30.0	30.0	8.6	8.6	21.8	21.8	170.7	170.7	11.4	6.7	7	-	-	816575	810676	-	-	-	-					
						1.0	0.1	335	30.0	30.0	8.6	8.6	21.8	170.7	11.4	7.0	7	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					2.3	0.1	307	30.0	30.0	8.5	8.5	21.9	156.6	10.5	7.6	6	-	-														
					2.3	0.1	318	30.0	30.0	8.5	8.5	21.9	156.3	10.5	7.6	5	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR6A	Rainy	Calm	10:35	4.0	Surface	1.0	0.0	150	29.9	29.9	8.3	8.3	20.9	20.9	166.7	166.5	11.3	5.3	12	-	-	817979	814759	-	-	-	-					
						1.0	0.0	158	29.9	29.9	8.2	8.2	21.0	166.2	11.2	5.2	12	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.0	0.0	96	29.9	29.9	8.1	8.1	21.2	152.7	10.3	5.1	10	-	-														
					3.0	0.0	103	29.9	29.9	8.1	8.1	21.2	152.3	10.3	5.2	9	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR7	Cloudy	Moderate	10:43	16.2	Surface	1.0	0.1	111	28.6	28.6	8.3	8.3	20.2	20.2	132.9	130.4	9.2	1.9	4	-	-	823626	823764	-	-	-	-					
						1.0	0.1	113	28.5	28.6	8.3	8.0	20.3	127.9	8.9	1.7	3	-	-													
						8.1	0.1	180	28.2	28.2	8.0	8.0	24.4	93.7	6.4	1.9	6	-	-													
					8.1	0.2	185	28.2	28.2	8.0	8.0	24.4	93.2	6.4	1.9	6	-	-														
					15.2	0.1	188	26.6	26.6	7.9	7.9	29.5	71.5	4.9	1.5	6	-	-														
					15.2	0.1	193	26.6	26.6	7.9	7.9	29.5	72.3	4.9	1.6	7	-	-														
SR8	Cloudy	Moderate	11:54	4.7	Surface	1.0	-	-	29.6	29.6	8.4	8.4	17.7	17.7	157.2	156.8	10.9	3.4	10	-	-	820407	811631	-	-	-	-					
						1.0	-	-	29.5	29.6	8.4	8.4	17.8	156.4	10.8	3.4	11	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.7	-	-	29.4	29.4	8.4	8.4	17.9	142.0	9.8	3.5	9	-	-														
					3.7	-	-	29.4	29.4	8.4	8.4	17.9	141.8	9.8	3.4	8	-	-														

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 13 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	07:55	8.9	Surface	1.0	0.3	215	28.9	28.9	8.6	8.5	18.0	17.9	106.1	106.1	7.4	3.6	4	85	87	85	85	87	87	815641	804244	<0.2	1.2	1.1	1.1			
						1.0	0.3	226	28.9	28.9	8.5	8.5	17.9	17.9	106.0	106.0	7.4	3.6	3	84	87	84	84	87	87	815641	804244	<0.2	1.2	1.1	1.1			
					Middle	4.5	0.3	206	28.6	28.6	8.3	8.3	22.1	22.2	78.4	78.2	5.4	6.2	3	87	87	87	87	87	87	87	87	815641	804244	<0.2	1.2	1.2	1.2	
						4.5	0.3	222	28.6	28.6	8.3	8.3	22.2	22.2	78.0	78.0	5.3	6.7	3	87	87	87	87	87	87	87	87	815641	804244	<0.2	1.2	1.2	1.2	
					Bottom	7.9	0.3	223	28.2	28.2	8.0	8.0	30.4	30.4	54.7	54.8	3.6	10.6	3	90	90	90	90	90	90	90	90	815641	804244	<0.2	0.9	0.9	0.9	
						7.9	0.3	235	28.2	28.2	8.0	8.0	30.4	30.4	54.9	54.9	3.6	10.1	3	91	91	91	91	91	91	91	91	815641	804244	<0.2	1.0	1.0	1.0	
C2	Cloudy	Moderate	09:10	11.7	Surface	1.0	0.7	153	28.6	28.6	8.1	8.1	17.2	17.2	91.4	91.4	6.4	3.4	4	88	88	88	88	88	88	825668	806967	<0.2	1.3	1.3	1.3			
						1.0	0.7	159	28.6	28.6	8.1	8.1	17.2	17.2	91.3	91.3	6.4	3.3	3	88	88	88	88	88	88	825668	806967	<0.2	1.3	1.3	1.3			
					Middle	5.9	0.5	152	28.5	28.5	8.0	8.0	20.4	20.4	82.9	82.7	5.8	2.1	4	89	89	89	89	89	89	89	825668	806967	<0.2	1.2	1.2	1.2		
						5.9	0.5	164	28.4	28.4	8.0	8.0	20.4	20.4	82.5	82.5	5.7	2.2	3	90	90	90	90	90	90	825668	806967	<0.2	1.2	1.2	1.2			
					Bottom	10.7	0.4	148	27.7	27.8	7.9	7.9	26.3	26.3	65.5	65.7	4.5	3.6	5	91	91	91	91	91	91	91	91	825668	806967	<0.2	1.2	1.2	1.2	
						10.7	0.4	149	27.8	27.8	7.9	7.9	26.3	26.3	65.9	65.9	4.5	3.7	4	92	92	92	92	92	92	92	92	825668	806967	<0.2	1.3	1.3	1.3	
C3	Cloudy	Moderate	07:17	11.5	Surface	1.0	0.3	70	28.4	28.4	8.3	8.3	20.4	20.4	110.3	110.2	7.7	0.5	2	86	86	86	86	86	86	822097	817800	<0.2	1.3	1.3	1.3			
						1.0	0.3	73	28.4	28.4	8.3	8.3	20.4	20.4	110.0	110.0	7.6	0.6	2	86	86	86	86	86	86	822097	817800	<0.2	1.3	1.3	1.3			
					Middle	5.8	0.0	262	28.0	28.0	8.1	8.1	22.9	23.0	96.7	96.6	6.7	3.3	2	89	89	89	89	89	89	89	822097	817800	<0.2	1.2	1.2	1.2		
						5.8	0.0	286	27.9	27.9	8.1	8.1	23.0	23.0	96.5	96.5	6.7	3.5	2	89	89	89	89	89	89	822097	817800	<0.2	1.4	1.4	1.4			
					Bottom	10.5	0.0	243	27.6	27.6	8.1	8.1	25.6	25.6	88.0	88.4	6.0	6.5	<2	91	91	91	91	91	91	91	91	822097	817800	<0.2	1.3	1.3	1.3	
						10.5	0.0	254	27.6	27.6	8.1	8.1	25.6	25.6	88.7	88.7	6.1	6.3	<2	91	91	91	91	91	91	91	91	822097	817800	<0.2	1.3	1.3	1.3	
IM1	Fine	Moderate	08:16	4.8	Surface	1.0	0.1	131	28.9	28.9	8.6	8.6	19.2	19.2	101.0	100.8	7.0	5.9	5	84	84	84	84	84	84	817957	807112	<0.2	1.2	1.2	1.2			
						1.0	0.1	140	28.9	28.9	8.6	8.6	19.2	19.2	100.6	100.6	7.0	6.1	4	85	85	85	85	85	85	817957	807112	<0.2	1.2	1.2	1.2			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817957	807112	<0.2	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817957	807112	<0.2	-	-	-
					Bottom	3.8	0.0	315	28.7	28.7	8.2	8.2	24.6	24.6	64.8	65.0	4.4	4.4	3	90	90	90	90	90	90	90	90	817957	807112	<0.2	1.3	1.3	1.3	
						3.8	0.0	318	28.7	28.7	8.2	8.2	24.6	24.6	65.1	65.1	4.4	9.6	3	90	90	90	90	90	90	90	90	817957	807112	<0.2	1.2	1.2	1.2	
IM2	Fine	Moderate	08:23	6.9	Surface	1.0	0.1	107	28.8	28.8	8.5	8.5	18.0	18.0	107.3	107.3	7.4	4.9	3	84	84	84	84	84	84	818175	806178	<0.2	1.2	1.2	1.2			
						1.0	0.1	117	28.8	28.8	8.5	8.5	18.0	18.0	107.2	107.2	7.5	4.9	3	85	85	85	85	85	85	818175	806178	<0.2	1.2	1.2	1.2			
					Middle	3.5	0.2	125	28.8	28.8	8.3	8.3	20.2	20.1	83.9	83.4	5.8	5.2	3	87	87	87	87	87	87	87	818175	806178	<0.2	1.1	1.1	1.1		
						3.5	0.2	132	28.8	28.8	8.3	8.3	20.0	20.1	82.9	82.9	5.7	5.5	3	87	87	87	87	87	87	818175	806178	<0.2	1.3	1.3	1.3			
					Bottom	5.9	0.1	94	28.3	28.3	8.1	8.1	28.8	28.8	54.8	54.9	3.6	11.7	4	90	90	90	90	90	90	90	90	818175	806178	<0.2	1.2	1.2	1.2	
						5.9	0.1	101	28.3	28.3	8.1	8.1	28.8	28.8	54.9	54.9	3.7	11.8	3	91	91	91	91	91	91	91	91	818175	806178	<0.2	1.2	1.2	1.2	
IM3	Fine	Moderate	08:30	7.1	Surface	1.0	0.1	211	28.8	28.8	8.5	8.5	17.9	17.9	105.6	105.6	7.4	4.7	3	85	85	85	85	85	85	818778	805596	<0.2	1.2	1.2	1.2			
						1.0	0.1	231	28.8	28.8	8.5	8.5	17.9	17.9	105.5	105.5	7.4	4.7	2	84	84	84	84	84	84	818778	805596	<0.2	1.2	1.2	1.2			
					Middle	3.6	0.2	159	28.8	28.8	8.2	8.2	21.7	21.7	74.6	74.5	6.1	6.3	3	87	87	87	87	87	87	87	818778	805596	<0.2	1.3	1.3	1.3		
						3.6	0.2	168	28.8	28.8	8.2	8.2	21.6	21.7	74.4	74.5	5.1	6.3	2	87	87	87	87	87	87	818778	805596	<0.2	1.1	1.1	1.1			
					Bottom	6.1	0.2	130	28.2	28.2	8.1	8.1	29.2	29.2	56.4	56.5	3.7	12.6	2	90	90	90	90	90	90	90	90	818778	805596	<0.2	1.2	1.2	1.2	
						6.1	0.2	135	28.2	28.2	8.1	8.1	29.2	29.2	56.5	56.5	3.7	12.6	2	90	90	90	90	90	90	90	90	818778	805596	<0.2	1.2	1.2	1.2	
IM4	Fine	Moderate	08:39	8.0	Surface	1.0	0.6	199	29.0	29.0	8.3	8.3	19.0	19.0	102.6	102.6	7.1	3.4	<2	84	84	84	84	84	84	819724	804629	<0.2	1.2	1.2	1.2			
						1.0	0.6	204	29.0	29.0	8.3	8.3	19.0	19.0	102.5	102.5	7.1	3.4	<2	84	84	84	84	84	84	819724	804629	<0.2	1.2	1.2	1.2			
					Middle	4.0	0.6	195	29.0	29.0	8.3	8.3	19.6	19.6	94.0	93.9	6.5	4.7	<2	86	86	86	86	86	86	86	819724	804629	<0.2	1.3	1.3	1.3		
						4.0	0.6	196	29.0	29.0	8.3	8.3	19.7	19.6	93.8	93.9	6.5	4.8	<2	87	87	87	87	87	87	819724	804629	<0.2	1.2	1.2	1.2			
					Bottom	7.0	0.3	185	28.5	28.6	8.0	8.0	27.4	27.4	58.1	58.1	3.9	10.5	2	90	90	90	90	90	90	90	90	819724	804629	<0.2	1.2	1.2	1.2	
						7.0	0.3	192	28.6	28.6	8.0	8.0	27.4	27.4	58.0	58.1	3.9	10.4	3	89	89	89	89	89	89	89	89	819724	804629	<0.2	1.3	1.3	1.3	
IM5	Fine	Moderate	08:48	7.4	Surface	1.0	0.4	206	29.0	29.0	8.4	8.4	18.1	18.1	108.3	108.3	7.5	3.5	3	84	84	84	84	84	84	820718	804851	<0.2	1.4	1.4	1.4			
						1.0	0.5																											

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

Water Quality Monitoring Results on 13 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	08:38	7.3	Surface	1.0	0.2	133	28.5	28.5	8.3	8.3	17.8	17.8	100.6	100.6	7.1	2.2	4	86	89	822108	808825	<0.2	1.2	1.3	1.3					
						1.0	0.2	141	28.5	28.5	8.3	8.3	17.8	17.8	100.5	100.5	7.1	2.3	3	86	89											
					Middle	3.7	0.1	89	28.6	28.6	8.1	8.1	19.0	19.0	92.3	92.3	6.4	2.3	3	90	89											
						3.7	0.1	92	28.6	28.6	8.1	8.1	18.9	19.0	92.3	92.3	6.4	2.4	3	90	89											
					Bottom	6.3	0.1	51	28.4	28.5	8.0	8.0	22.5	22.5	80.4	82.2	5.5	4.2	3	91	89											
						6.3	0.2	56	28.5	28.5	8.0	8.0	22.5	22.5	84.0	82.2	5.8	4.2	3	91	89											
IM10	Cloudy	Moderate	08:30	7.9	Surface	1.0	0.4	148	28.5	28.5	8.3	8.3	17.6	17.6	100.1	100.1	7.1	2.3	2	87	89	822394	809781	<0.2	1.2	1.3	1.3					
						1.0	0.5	151	28.5	28.5	8.3	8.3	17.6	17.6	100.0	100.0	7.0	2.2	3	87	89											
					Middle	4.0	0.4	132	28.7	28.7	8.1	8.1	19.3	19.3	87.5	87.3	6.1	3.2	3	90	89											
						4.0	0.5	143	28.6	28.6	8.1	8.1	19.3	19.3	87.1	87.1	6.1	3.6	2	90	89											
					Bottom	6.9	0.3	134	28.2	28.2	7.9	7.9	23.8	23.8	73.6	73.7	5.1	10.5	3	91	89											
						6.9	0.3	144	28.2	28.2	7.9	7.9	23.8	23.8	73.6	73.6	5.1	10.6	2	91	89											
IM11	Cloudy	Moderate	08:17	7.3	Surface	1.0	0.3	76	28.5	28.5	8.2	8.2	17.9	17.9	98.1	98.1	6.9	2.0	3	85	89	822049	811460	<0.2	1.3	1.3	1.3					
						1.0	0.3	80	28.5	28.5	8.2	8.2	17.9	17.9	98.0	98.0	6.9	2.0	3	86	89											
					Middle	3.7	0.3	80	28.7	28.7	8.1	8.1	19.1	19.1	92.0	91.9	6.4	2.3	3	89	89											
						3.7	0.3	80	28.6	28.6	8.1	8.1	19.1	19.1	91.8	91.8	6.4	2.2	3	89	89											
					Bottom	6.3	0.2	88	28.2	28.2	8.0	8.0	23.4	23.4	82.8	83.0	5.7	2.1	3	91	89											
						6.3	0.2	93	28.2	28.2	8.0	8.0	23.3	23.3	83.2	83.0	5.7	2.1	3	91	89											
IM12	Cloudy	Moderate	08:10	9.2	Surface	1.0	0.2	81	28.4	28.4	8.2	8.2	18.7	18.7	95.6	95.7	6.7	1.5	4	85	89	821480	812064	<0.2	1.2	1.3	1.3					
						1.0	0.3	87	28.4	28.4	8.2	8.2	18.7	18.7	95.5	95.7	6.7	1.5	4	85	89											
					Middle	4.6	0.3	102	28.4	28.4	8.0	8.0	21.6	21.6	78.4	78.3	5.4	3.2	4	88	89											
						4.6	0.3	104	28.4	28.4	8.0	8.0	21.6	21.6	78.2	78.3	5.4	3.4	3	89	89											
					Bottom	8.2	0.3	114	28.2	28.2	7.9	7.9	23.5	23.5	70.5	70.6	4.8	6.4	3	89	89											
						8.2	0.3	124	28.2	28.2	7.9	7.9	23.5	23.5	70.7	70.7	4.9	6.5	3	90	89											
SR1A	Cloudy	Calm	07:54	5.1	Surface	1.0	-	-	28.5	28.5	8.3	8.3	19.7	19.8	103.9	103.8	7.2	1.4	<2	-	819979	812666	-	-	-	-	-					
						1.0	-	-	28.5	28.5	8.3	8.3	19.8	19.8	103.6	103.6	7.2	1.5	<2	-	-	-	-									
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.1	-	-	28.5	28.5	8.3	8.3	20.1	20.1	103.2	103.3	7.2	1.7	<2	-	-	-	-	-	-	-	-	-	-	-		
						4.1	-	-	28.5	28.5	8.3	8.3	20.1	20.1	103.3	103.3	7.2	1.7	<2	-	-	-	-	-	-	-	-	-	-	-		
SR2	Cloudy	Moderate	07:40	4.3	Surface	1.0	0.2	204	28.4	28.4	8.3	8.3	19.6	19.6	107.4	107.2	7.5	1.0	3	85	89	821461	814180	<0.2	1.3	1.3	1.3					
						1.0	0.2	210	28.4	28.4	8.3	8.3	19.6	19.6	106.9	106.9	7.5	1.0	2	85	89											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	
					Bottom	3.3	0.3	89	28.6	28.6	8.2	8.2	20.5	20.5	96.5	96.6	6.7	3.6	<2	88	89											
						3.3	0.3	89	28.6	28.6	8.2	8.2	20.5	20.5	96.6	96.6	6.7	3.8	<2	88	89											
SR3	Cloudy	Moderate	08:49	9.0	Surface	1.0	0.2	205	28.6	28.6	8.2	8.2	18.1	18.1	98.6	98.3	6.9	2.5	3	-	822135	807588	-	-	-	-	-					
						1.0	0.2	216	28.6	28.6	8.2	8.2	18.1	18.1	98.0	98.0	6.9	2.5	4	-	-	-	-									
					Middle	4.5	0.0	266	28.6	28.6	8.0	8.0	20.5	20.5	83.3	83.3	5.8	2.3	4	-	-	-	-									
						4.5	0.0	282	28.6	28.6	8.0	8.0	20.5	20.5	83.2	83.3	5.8	2.3	4	-	-	-	-									
					Bottom	8.0	0.1	187	28.2	28.2	7.9	7.9	24.0	24.0	72.5	72.6	5.0	7.1	5	-	-	-	-									
						8.0	0.1	194	28.2	28.2	7.9	7.9	24.0	24.0	72.6	72.6	5.0	7.0	4	-	-	-	-									
SR4A	Cloudy	Calm	07:35	9.4	Surface	1.0	0.1	244	28.9	28.9	8.5	8.5	18.7	18.7	98.5	98.4	6.8	4.9	4	-	817187	807799	-	-	-	-	-					
						1.0	0.1	261	28.9	28.9	8.5	8.5	18.7	18.7	98.3	98.3	6.8	5.0	3	-	-	-	-									
					Middle	4.7	0.1	40	28.7	28.7	8.3	8.3	24.7	24.7	68.3	68.3	4.6	7.1	4	-	-	-	-									
						4.7	0.1	40	28.7	28.7	8.3	8.3	24.7	24.7	68.3	68.3	4.6	7.1	4	-	-	-	-									
					Bottom	8.4	0.2	65	28.4	28.4	8.2	8.2	27.4	27.4	58.8	58.9	3.9	9.7	3	-	-	-	-									
						8.4	0.2	68	28.4	28.4	8.2	8.2	27.4	27.4	58.9	58.9	3.9	9.8	3	-	-	-	-									
SR5A	Cloudy	Calm	07:19	3.5	Surface	1.0	0.1	320	28.8	28.8	8.5	8.5	18.1	18.1	107.5	107.5	7.5	4.7	4	-	816582	810691	-	-	-	-	-					
						1.0	0.1	325	28.8	28.8	8.5	8.5	18.1	18.1	107.5	107.5	7.5	4.8	3	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	2.5	0.1	350	29.0	29.0	8.4	8.4	18.8	18.8	107.3	107.3	7.4	6.7	5	-	-	-	-									
						2.5	0.1	322	29.0	29.0	8.4	8.4	18.8	18.8	107.2	107.3	7.4	6.8	6	-	-	-	-									
SR6A	Cloudy	Calm	06:48	4.3	Surface	1.0	0.1	349	29.0	29.0	8.5	8.5	20.7	20.7	109.6	109.5	7.5	5.4	6	-	817948	814762	-	-	-	-	-					
						1.0	0.1	321	29.0	29.0	8.5	8.5	20.8	20.7	109.4	109.4	7.5	5.7	5	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.3	0.0	231	29.0	29.0	8.3	8.3	21.7	21.7	97.2	97.2	6.6	10.7	5	-	-	-	-									
						3.3	0.0	252	29.0	29.0	8.3	8.3	21.7	21.7	97.1	97.1	6.6	10.6	4	-	-	-	-									
SR7	Cloudy	Moderate	06:40	15.7	Surface	1.0	0.1	190	28.0	28.0	8.1	8.1	21.9	21.8	104.3	104.3	7.2	0.6	2	-	823615	823747	-	-	-	-	-					
						1.0	0.1	201	28.0	28.0	8.1	8.1	21.8	21.8	104.2	104.3	7.2	0.6	2	-	-	-	-									
					Middle	7.9	0.0	237	27.9	27.9	8.1	8.1	23.2	23.2	97.3	97.2	6.7	0.8	<2	-	-	-	-									
						7.9	0.0	257	27.9	27.9	8.1	8.1	23.2	23.2	97.0	97.0	6.7	0.8	<2	-	-	-	-									

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

Water Quality Monitoring Results on 15 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	10:16	8.8	Surface	1.0	0.7	181	29.3	29.3	8.5	8.5	14.5	14.5	116.7	116.0	8.3	6.6	4.7	8.6	5	5	85	88	815603	804266	<0.2	1.5	1.6	1.5				
						1.0	0.7	186	29.2	28.8	8.5	8.5	14.6	14.5	115.2	115.2	8.2	6.6	4.7	8.6	6	5	86	88	<0.2	1.5	1.6	1.5						
					Middle	4.4	0.4	226	28.8	28.8	8.2	8.2	22.4	22.5	71.4	71.2	4.9	4.6	4.6	4	4	87	88	<0.2	1.7	1.6	1.6	1.6						
						4.4	0.4	237	28.7	28.0	8.2	8.0	22.5	29.5	71.0	42.3	4.8	2.8	4.6	5	4	88	89	<0.2	1.6	1.6	1.6	1.6						
					Bottom	7.8	0.5	231	28.0	28.0	8.0	8.0	29.5	29.5	42.1	42.3	2.8	2.8	16.7	4	4	89	90	<0.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
						7.8	0.5	233	28.0	28.0	8.0	8.0	29.5	29.5	42.5	42.5	2.8	2.8	16.1	4	4	90	90	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		
C2	Fine	Moderate	11:20	10.7	Surface	1.0	0.8	159	29.2	29.2	8.1	8.1	15.1	15.1	92.0	91.9	6.5	5.6	3.1	4.1	5	4	82	86	825682	806926	<0.2	1.7	1.7	1.5				
						1.0	0.8	167	29.2	27.7	8.1	8.0	15.2	24.1	91.7	66.5	6.5	3.0	3.3	4	4	82	86	<0.2	1.5	1.6	1.5	1.6						
					Middle	5.4	0.5	150	27.7	27.7	8.0	8.0	24.1	24.1	66.5	66.5	4.6	4.6	3.2	4	4	87	86	<0.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		
						5.4	0.5	162	27.7	26.9	8.0	7.9	24.1	26.9	66.4	51.4	4.6	3.5	3.2	4	4	86	90	<0.2	1.9	1.6	1.6	1.6	1.6	1.6	1.6			
					Bottom	9.7	0.4	159	26.9	26.9	7.9	7.9	26.9	26.9	51.4	51.4	3.5	3.5	5.9	4	4	90	90	<0.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	
						9.7	0.4	160	26.9	26.9	7.9	7.9	26.9	26.9	51.4	51.4	3.5	3.5	6.1	4	4	90	90	<0.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
C3	Rainy	Moderate	09:10	12.4	Surface	1.0	0.3	70	28.6	28.6	8.2	8.2	20.1	20.1	106.3	106.3	7.4	6.9	2.1	4.3	3	4	82	83	822122	817824	<0.2	1.3	1.4	1.3				
						1.0	0.3	75	28.6	28.1	8.2	8.1	20.1	23.2	106.2	93.4	7.4	6.4	1.4	3	4	83	87	<0.2	1.3	1.4	1.3	1.4						
					Middle	6.2	0.0	262	28.1	28.1	8.1	8.1	23.2	23.2	93.4	93.3	6.4	6.4	1.4	3	4	87	87	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		
						6.2	0.0	277	28.1	27.0	8.1	8.0	23.2	26.2	93.1	67.7	6.4	4.7	1.4	3	4	87	91	<0.2	1.5	1.4	1.4	1.4	1.4	1.4	1.4			
					Bottom	11.4	0.0	243	27.0	27.0	8.0	8.0	26.2	26.2	67.5	67.7	4.7	4.7	9.4	4	4	91	90	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	
						11.4	0.0	254	27.0	27.0	8.0	8.0	26.2	26.2	67.8	67.8	4.7	4.7	9.5	5	5	90	90	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		
IM1	Cloudy	Moderate	10:37	4.9	Surface	1.0	0.1	10	29.7	29.7	8.4	8.4	18.9	18.7	104.7	104.2	7.2	7.2	9.4	10.2	5	5	86	86	817937	807149	<0.2	1.5	1.5	1.4				
						1.0	0.1	10	29.7	28.2	8.4	8.4	18.4	27.6	103.6	7.1	7.2	9.9	5	5	86	86	<0.2	1.4	1.4	1.4	1.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.9	0.1	309	28.2	28.2	8.0	8.0	27.6	27.6	49.1	49.3	3.3	3.3	10.8	5	5	89	90	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
						3.9	0.1	339	28.2	28.2	8.0	8.0	27.6	27.6	49.5	49.5	3.3	3.3	10.5	4	4	90	90	<0.2	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
IM2	Cloudy	Moderate	10:45	6.8	Surface	1.0	0.1	214	29.7	29.7	8.4	8.4	17.6	17.6	116.8	114.5	7.7	5.2	5.5	9.2	6	6	85	85	818142	806177	<0.2	1.2	1.3	1.2				
						1.0	0.1	215	29.7	28.0	8.4	8.0	17.6	29.3	112.2	7.7	5.2	5.6	6	6	85	87	<0.2	1.4	1.3	1.2	1.2							
					Middle	3.4	0.1	204	28.0	28.0	8.1	8.0	29.2	29.3	36.9	36.8	2.5	2.4	6.4	6	6	87	87	<0.2	1.3	1.2	1.2	1.2						
						3.4	0.1	206	28.0	27.9	8.0	8.0	29.3	29.8	36.6	36.0	2.4	2.4	6.7	6	6	87	89	<0.2	1.2	1.2	1.2	1.2						
					Bottom	5.8	0.0	194	27.9	27.9	8.0	8.0	29.8	29.8	35.9	36.0	2.4	2.4	15.8	6	6	89	90	<0.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	
						5.8	0.0	209	27.9	27.9	8.0	8.0	29.8	29.8	36.0	36.0	2.4	2.4	15.4	6	6	90	90	<0.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3		
IM3	Cloudy	Moderate	10:52	6.8	Surface	1.0	0.9	191	29.2	29.2	8.3	8.3	21.8	21.8	84.4	84.7	5.7	4.3	6.6	9.1	6	6	86	85	818764	805581	<0.2	1.4	1.4	1.3				
						1.0	0.9	194	29.2	28.2	8.3	8.1	21.7	27.5	84.9	5.8	4.3	6.7	5	5	85	87	<0.2	1.3	1.4	1.3	1.3							
					Middle	3.4	0.6	199	28.2	28.2	8.1	8.1	27.5	27.5	43.1	43.1	2.9	2.9	9.1	6	6	87	87	<0.2	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4		
						3.4	0.6	200	28.2	27.9	8.1	8.0	27.5	30.0	43.0	43.1	2.9	2.9	9.4	6	6	87	90	<0.2	1.3	1.3	1.3	1.3						
					Bottom	5.8	0.1	258	27.9	27.9	8.0	8.0	30.0	30.0	34.9	35.0	2.3	2.3	11.3	6	6	90	89	<0.2	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3		
						5.8	0.1	275	27.9	27.9	8.0	8.0	30.0	30.0	35.0	35.0	2.3	2.3	11.4	5	5	89	89	<0.2	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5		
IM4	Sunny	Moderate	11:03	6.8	Surface	1.0	0.8	201	29.6	29.6	8.4	8.4	12.7	12.8	115.3	115.0	8.2	6.5	4.9	10.3	5	4	86	85	819726	804588	<0.2	1.7	1.7	1.8				
						1.0	0.8	208	29.5	28.9	8.4	8.2	12.9	22.7	114.7	8.2	6.5	4.8	4	4	85	87	<0.2	1.7	1.7	1.7	1.7							
					Middle	3.4	0.7	214	28.9	28.9	8.2	8.2	22.7	22.5	70.9	71.0	4.8	4.9	11.9	4	4	87	86	<0.2	1.7	1.7	1.7	1.7						
						3.4	0.8	214	28.9	28.3	8.2	8.1	22.2	27.1	71.0	44.1	4.9	3.0	12.1	3	3	86	90	<0.2	1.7	1.7	1.7	1.7						
					Bottom	5.8	0.4	212	28.3	28.3	8.1	8.1	27.0	27.1	44.1	44.0	3.0	3.0	14.1	4	4	90	89	<0.2	1.7	1.7	1.7	1.7						
						5.8	0.4	221	28.3	28.3	8.1	8.1	27.2	27.2	43.9	44.0	2.9	2.9	14.1	4	4	89	89	<0.2	1.6	1.6	1.6	1.6						
IM5	Sunny	Moderate	11:15	7.2	Surface	1.0	0.4	265	29.7	29.7	8.5	8.5	12.8	12.8	120.2	120.2	8.5	7.2	4.7	7.6	2	2	85	85	820755	804876	<0.2	1.6	1.6	1.6				
						1.0	0.4	276	29.7	29.2	8.5	8.2	12.8	19.5	120.1	8.5	7.2	4.7	2	2	85	87	<0.2	1.7	1.6	1.6	1.6							
					Middle	3.6	0.4	256	29.2	29.2	8.2	8.2	19.5	19.5	85.8	85.7	5.9	5.1	5.1	2	2	87	88	<0.2	1.6	1.6	1.6	1.6						
						3.6	0.4	275	29.1	28.6	8.2	8.1	19.5	23.5	85.5	64.7	5.9	5.1	5.1	2	2	88	89	<0.2	1.6	1.6	1.6	1.6						
					Bottom	6.2	0.4	225	28.6	28.6	8.1	8.1	23.5	23.4	64.7	64.8	4.4	4.4	13.7	2	2	89	89	<0.2	1.8	1.8	1.8							

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

Water Quality Monitoring Results on 15 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	10:40	7.1	Surface	1.0	0.2	156	29.3	29.3	8.2	8.2	14.5	14.5	107.0	107.0	7.6	7.6	2.5	2	82	82	87	87	822112	808834	<0.2	1.8	1.8	1.8		
						1.0	0.2	161	29.3	29.1	8.2	8.1	14.5	14.5	106.9	106.9	7.6	7.3	2.5	2	83	83	87	87	<0.2	1.8	1.8	1.8				
						3.6	0.2	128	29.1	28.5	8.1	8.1	17.1	17.1	98.4	98.5	6.9	2.8	3	2	87	87	<0.2	1.8	1.8	1.8						
					3.6	0.2	133	29.1	28.5	8.1	8.0	17.0	20.5	98.6	98.5	6.9	2.7	2	2	87	87	<0.2	1.8	1.8	1.8							
					6.1	0.2	100	28.5	28.5	8.0	8.0	20.8	20.5	72.4	74.2	5.0	5.2	4.2	3	91	91	<0.2	1.8	1.8	1.8							
					6.1	0.3	106	28.5	28.5	8.0	8.0	20.2	20.5	75.9	75.9	5.3	5.3	4.2	2	90	90	<0.2	1.8	1.8	1.8							
IM10	Fine	Moderate	10:30	8.3	Surface	1.0	0.6	117	29.2	29.2	8.1	8.1	15.5	15.5	103.8	103.8	7.3	7.3	2.9	2	<2	<2	82	82	822394	809800	<0.2	1.8	1.8	1.8		
						1.0	0.6	125	29.2	29.1	8.1	8.1	15.5	15.5	103.7	103.7	7.3	7.2	2.6	2	<2	<2	83	83	<0.2	1.8	1.8	1.8				
						4.2	0.6	102	29.1	29.1	8.1	8.1	16.8	16.9	100.5	100.5	7.0	2.6	2	2	88	88	<0.2	1.8	1.8	1.8						
					4.2	0.6	111	29.1	28.2	8.1	8.1	16.9	22.4	100.4	100.4	7.0	2.6	2	2	87	87	<0.2	1.9	1.9	1.9							
					7.3	0.4	91	28.2	28.2	7.9	7.9	22.4	22.4	65.4	65.4	4.5	4.5	8.4	2	90	90	<0.2	1.8	1.8	1.8							
					7.3	0.4	96	28.2	28.2	7.9	7.9	22.4	22.4	65.3	65.3	4.5	4.5	8.4	2	91	91	<0.2	1.6	1.6	1.6							
IM11	Fine	Moderate	10:17	7.5	Surface	1.0	0.4	89	29.3	29.3	8.2	8.2	15.4	15.4	111.7	111.8	7.9	7.9	2.3	2	82	82	822079	811475	<0.2	1.7	1.7	1.7	1.8			
						1.0	0.4	90	29.3	28.6	8.2	8.1	15.4	19.9	111.9	111.9	7.9	2.3	2	2	83	83	<0.2	1.8	1.8	1.8						
						3.8	0.5	90	28.6	28.6	8.1	8.1	20.0	19.9	88.2	88.4	6.1	2.9	2	2	87	87	<0.2	1.8	1.8	1.8						
					3.8	0.5	93	28.6	27.5	8.1	7.9	19.9	24.7	88.6	88.6	6.1	2.8	2	2	87	87	<0.2	1.7	1.7	1.7							
					6.5	0.2	76	27.5	27.5	7.9	7.9	24.8	24.7	57.3	57.5	3.9	5.6	3	2	91	91	<0.2	1.8	1.8	1.8							
					6.5	0.2	82	27.5	27.5	7.9	7.9	24.7	24.7	57.7	57.5	4.0	5.4	2	2	91	91	<0.2	1.8	1.8	1.8							
IM12	Fine	Moderate	10:08	9.6	Surface	1.0	0.5	126	29.4	29.4	8.2	8.2	15.7	15.7	111.0	110.9	7.8	7.8	2.4	3	82	82	821482	812055	<0.2	1.5	1.5	1.5	1.6			
						1.0	0.6	133	29.4	28.5	8.2	8.0	15.7	20.2	110.8	110.8	7.8	2.4	3	3	87	87	<0.2	1.6	1.6	1.6						
						4.8	0.5	105	28.5	28.5	8.0	8.0	20.2	20.2	79.7	79.5	5.5	2.7	3	3	87	87	<0.2	1.5	1.5	1.5						
					4.8	0.5	113	28.5	27.5	8.0	7.9	20.2	24.5	79.5	79.5	5.5	2.7	2	2	87	87	<0.2	1.7	1.7	1.7							
					8.6	0.2	110	27.5	27.5	7.9	7.9	24.5	24.5	56.6	56.7	3.9	11.5	2	2	91	91	<0.2	1.8	1.8	1.8							
					8.6	0.2	113	27.5	27.5	7.9	7.9	24.5	24.5	56.7	56.7	3.9	11.6	2	2	91	91	<0.2	1.7	1.7	1.7							
SR1A	Fine	Moderate	09:48	5.5	Surface	1.0	-	-	29.0	29.0	8.2	8.2	17.6	17.6	105.4	105.4	7.4	7.4	2.6	3	-	-	-	-	819973	812664	-	-	-	-		
						1.0	-	-	29.0	29.0	8.2	8.2	17.6	17.6	105.4	105.4	7.4	7.4	2.5	2	-	-	-	-	-	-	-	-	-	-		
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					4.5	-	-	28.9	28.9	8.2	8.2	18.0	18.0	103.0	103.0	7.2	7.2	2.9	2	-	-	-	-	-	-	-	-	-	-	-		
					4.5	-	-	28.9	28.9	8.2	8.2	18.0	18.0	103.0	103.0	7.2	7.2	2.9	2	-	-	-	-	-	-	-	-	-	-	-	-	
SR2	Rainy	Moderate	09:35	4.8	Surface	1.0	0.3	69	29.1	29.1	8.2	8.2	17.0	17.0	107.6	107.6	7.5	7.5	2.4	3	83	83	821477	814183	<0.2	1.6	1.6	1.6	1.6			
						1.0	0.3	69	29.1	29.1	8.2	8.2	17.0	17.0	107.6	107.6	7.5	7.5	2.4	4	82	82	<0.2	1.6	1.6	1.6						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					3.8	0.2	49	28.9	28.9	8.2	8.2	19.2	19.2	103.2	103.2	7.2	7.2	3.6	2	87	87	<0.2	1.5	1.5	1.5							
					3.8	0.3	50	28.9	28.9	8.2	8.2	19.2	19.2	103.2	103.2	7.2	7.2	3.7	2	86	86	<0.2	1.5	1.5	1.5							
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SR3	Fine	Moderate	10:53	8.4	Surface	1.0	0.4	191	29.4	29.4	8.3	8.3	13.9	13.9	116.2	116.0	8.2	8.2	3.0	4	-	-	-	-	822125	807554	-	-	-	-		
						1.0	0.4	207	29.4	28.8	8.3	8.0	13.9	20.1	115.8	115.8	8.2	3.1	4	-	-	-	-	-	-	-	-	-	-	-		
						4.2	0.1	199	28.8	28.8	8.0	8.0	20.2	20.1	82.6	82.9	5.7	2.8	3	-	-	-	-	-	-	-	-	-	-			
					4.2	0.2	214	28.8	27.8	8.0	7.9	20.1	24.2	83.1	83.1	5.7	2.8	4	-	-	-	-	-	-	-	-	-	-	-			
					7.4	0.1	285	27.8	27.8	7.9	7.9	24.2	24.2	59.1	59.0	4.1	2.9	2	-	-	-	-	-	-	-	-	-	-	-			
					7.4	0.1	290	27.8	27.8	7.9	7.9	24.2	24.2	58.9	58.9	4.0	2.9	3	-	-	-	-	-	-	-	-	-	-	-			
SR4A	Cloudy	Moderate	09:56	9.2	Surface	1.0	0.2	232	29.6	29.6	8.4	8.4	17.6	17.6	106.1	104.0	7.3	7.3	6.9	5	-	-	-	-	817165	807818	-	-	-	-		
						1.0	0.2	246	29.6	28.2	8.4	8.1	17.6	27.6	101.9	101.9	7.0	5.1	7.2	4	-	-	-	-	-	-	-	-	-			
						4.6	0.0	74	28.2	28.2	8.1	8.1	27.6	27.6	45.5	45.5	3.1	3.1	12.6	4	-	-	-	-	-	-	-	-				
					4.6	0.0	78	28.2	28.2	8.1	8.0	27.6	27.8	45.5	46.3	3.1	3.1	12.8	5	-	-	-	-	-	-	-	-	-				
					8.2	0.1	85	28.2	28.2	8.0	8.0	27.8	27.8	46.2	46.4	3.1	3.1	16.4	5	-	-	-	-	-	-	-	-	-				
					8.2	0.1	90	28.2	28.2	8.0	8.0	27.8	27.8	46.4	46.4	3.1	3.1	16.3	5	-	-	-	-	-	-	-	-	-				
SR5A	Cloudy	Moderate	09:40	3.4	Surface	1.0	0.1	320	29.8	29.8	8.3	8.3	19.1	19.1	94.8	94.9	6.5	6.5	9.1	4	-	-	-	-	816600	810702	-	-	-	-		
						1.0	0.1	332	29.8	29.7	8.3	8.1	19.1	20.4	94.9	94.9	6.5	5.6	9.1	4	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					2.4	0.1	350	29.7	29.7	8.1	8.1	20.4	20.4	81.8	81.9	5.6	5.6	11.7	4	-	-	-	-	-	-	-	-					
					2.4	0.1	322	29.7	29.7	8.1	8.1	20.4	20.4	82.0	82.0	5.6	5.6	11.5	4	-	-	-	-	-	-	-	-					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
SR6A	Cloudy	Moderate	08:55	4.3	Surface	1.0	0.1	350	29.1	29.1	8.6</																					

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

Water Quality Monitoring Results on 15 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Sunny	Moderate	17:14	7.7	Surface	1.0	0.3	30	29.7	29.7	8.4	8.4	16.1	16.1	116.3	113.6	8.1	7.1	8.0	11.0	9	7	85	87	815614	804223	<0.2	1.8	<0.2	1.8			
						1.0	0.3	30	29.6	29.6	8.4	8.4	16.2	16.2	110.9	109.9	7.7	7.7	8.1	11.0	9	7	85	87	815614	804223	<0.2	1.8	<0.2	1.8			
						3.9	0.4	30	28.8	28.8	8.3	8.3	18.5	18.9	89.5	89.0	6.2	6.2	8.2	11.0	6	7	87	88	815614	804223	<0.2	1.8	<0.2	1.8			
					3.9	0.4	30	28.7	28.7	8.3	8.3	19.2	18.9	88.5	88.5	6.2	6.2	8.5	11.0	7	7	88	88	815614	804223	<0.2	1.8	<0.2	1.8				
					6.7	0.2	48	28.3	28.3	8.0	8.0	26.9	26.9	53.3	53.3	3.6	3.6	16.9	16.9	6	6	89	89	815614	804223	<0.2	1.8	<0.2	1.8				
					6.7	0.2	51	28.3	28.3	8.0	8.0	26.9	26.9	53.3	53.3	3.6	3.6	16.3	16.3	6	6	90	90	815614	804223	<0.2	1.8	<0.2	1.8				
C2	Sunny	Moderate	16:01	10.5	Surface	1.0	0.4	189	29.1	29.1	8.0	8.0	15.3	15.3	91.7	91.8	6.5	5.3	4.1	7.2	4	4	84	85	825667	806945	<0.2	1.8	<0.2	1.8			
						1.0	0.5	203	29.1	29.1	8.0	8.0	15.4	15.3	91.8	91.8	6.5	5.3	4.1	7.2	4	4	85	85	825667	806945	<0.2	1.8	<0.2	1.8			
						5.3	0.2	181	27.8	27.8	7.8	7.8	22.6	22.6	58.8	58.8	4.1	4.1	3.6	7.2	4	4	88	88	825667	806945	<0.2	1.8	<0.2	1.8			
					5.3	0.2	190	27.8	27.8	7.8	7.8	22.7	22.6	58.8	58.8	4.1	4.1	3.6	7.2	5	5	88	88	825667	806945	<0.2	1.8	<0.2	1.8				
					9.5	0.3	5	27.3	27.3	7.9	7.9	25.8	25.8	52.5	52.5	3.6	3.6	13.9	13.9	4	4	92	92	825667	806945	<0.2	1.8	<0.2	1.8				
					9.5	0.4	5	27.3	27.3	7.9	7.9	25.8	25.8	52.6	52.6	3.6	3.6	13.7	13.7	4	4	92	92	825667	806945	<0.2	1.8	<0.2	1.8				
C3	Sunny	Moderate	18:03	10.8	Surface	1.0	0.0	92	29.4	29.4	8.4	8.4	17.7	17.7	143.8	143.8	10.0	7.3	2.7	3.5	6	7	84	84	822122	817803	<0.2	1.6	<0.2	1.6			
						1.0	0.0	95	29.4	29.4	8.4	8.4	17.7	17.7	143.7	143.7	10.0	7.3	2.7	3.5	5	7	84	84	822122	817803	<0.2	1.6	<0.2	1.6			
						5.4	0.0	229	27.3	27.3	8.0	8.0	25.1	25.1	67.5	67.5	4.6	4.6	2.7	3.5	7	7	88	88	822122	817803	<0.2	1.6	<0.2	1.6			
					5.4	0.0	243	27.3	27.3	8.0	8.0	25.1	25.1	67.4	67.4	4.6	4.6	2.7	3.5	7	7	87	87	822122	817803	<0.2	1.6	<0.2	1.6				
					9.8	0.1	287	25.3	25.3	7.8	7.8	29.9	29.9	42.4	42.5	2.9	3.0	5.1	3.0	7	7	92	92	822122	817803	<0.2	1.6	<0.2	1.6				
					9.8	0.1	289	25.3	25.3	7.8	7.8	29.9	29.9	42.5	42.5	3.0	3.0	5.2	3.0	8	8	91	91	822122	817803	<0.2	1.6	<0.2	1.6				
IM1	Sunny	Moderate	16:50	4.3	Surface	1.0	0.1	11	30.5	30.5	8.6	8.6	15.4	15.4	149.0	149.0	10.3	10.3	10.6	11.4	10	11	87	88	817948	807144	<0.2	1.5	<0.2	1.5			
						1.0	0.1	11	30.5	30.5	8.6	8.6	15.4	15.4	148.9	148.9	10.3	10.3	10.7	11.4	10	11	88	88	817948	807144	<0.2	1.5	<0.2	1.5			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.3	0.1	212	30.2	30.2	8.4	8.4	18.2	18.2	127.1	127.1	8.7	8.7	11.9	11.4	12	11	90	89	817948	807144	<0.2	1.6	<0.2	1.6				
					3.3	0.1	217	30.3	30.3	8.4	8.4	18.2	18.2	127.9	127.9	8.7	8.7	12.3	11.4	12	11	89	89	817948	807144	<0.2	1.6	<0.2	1.6				
					1.0	0.6	340	29.5	29.5	8.5	8.5	17.2	17.3	115.5	114.6	8.0	7.0	7.8	9.8	6	6	86	85	818147	806147	<0.2	1.5	<0.2	1.5				
IM2	Sunny	Moderate	16:42	6.5	Surface	1.0	0.6	357	29.5	29.5	8.5	8.5	17.3	17.3	113.7	113.7	7.9	7.0	8.1	9.8	5	6	85	85	818147	806147	<0.2	1.6	<0.2	1.6			
						3.3	0.7	351	29.2	29.2	8.3	8.3	21.4	21.4	88.4	88.1	6.0	6.0	9.9	9.8	6	6	87	87	818147	806147	<0.2	1.5	<0.2	1.5			
						3.3	0.7	323	29.1	29.1	8.3	8.3	21.4	21.4	87.7	87.7	6.0	6.0	10.5	9.8	6	6	87	87	818147	806147	<0.2	1.6	<0.2	1.6			
					5.5	0.3	9	28.4	28.4	8.1	8.1	27.6	27.6	56.3	56.3	3.8	3.8	11.3	9.8	6	6	90	89	818147	806147	<0.2	1.5	<0.2	1.5				
					5.5	0.4	9	28.3	28.3	8.1	8.1	27.6	27.6	56.3	56.3	3.8	3.8	11.3	9.8	7	6	91	89	818147	806147	<0.2	1.6	<0.2	1.6				
					1.0	0.6	318	29.8	29.8	8.5	8.5	17.5	17.5	120.7	120.0	8.3	6.9	6.5	8.0	6	6	85	85	818766	805578	<0.2	1.5	<0.2	1.5				
IM3	Sunny	Moderate	16:34	6.8	Surface	1.0	0.6	338	29.7	29.7	8.5	8.5	17.6	17.5	119.3	119.3	8.2	6.9	6.8	8.0	7	6	85	85	818766	805578	<0.2	1.5	<0.2	1.5			
						3.4	0.6	323	29.1	29.2	8.3	8.3	22.8	22.7	81.0	81.4	5.5	6.9	6.6	8.0	6	6	87	88	818766	805578	<0.2	1.5	<0.2	1.5			
						5.8	0.4	309	28.0	28.0	8.1	8.1	29.0	29.0	52.8	52.8	3.5	3.5	8.9	8.0	6	6	88	89	818766	805578	<0.2	1.4	<0.2	1.4			
					5.8	0.4	337	28.0	28.0	8.1	8.1	29.0	29.0	52.8	52.8	3.5	3.5	8.8	8.0	6	6	91	89	818766	805578	<0.2	1.5	<0.2	1.5				
					1.0	0.4	339	30.2	30.2	8.5	8.5	16.8	16.8	133.5	133.2	9.2	8.4	5.9	11.3	7	7	86	86	819715	804589	<0.2	1.5	<0.2	1.5				
					IM4	Sunny	Moderate	16:22	7.5	Surface	1.0	0.4	351	30.1	30.1	8.5	8.5	18.7	18.8	111.3	110.7	7.5	8.4	6.9	11.3	7	7	85	85	819715	804589	<0.2	1.4
3.8	0.5	346	30.0	30.0							8.5	8.5	18.7	18.8	111.3	110.7	7.5	8.4	6.9	11.3	7	7	88	88	819715	804589	<0.2	1.5	<0.2	1.5			
3.8	0.5	350	30.0	30.0							8.5	8.5	18.8	18.8	110.1	110.1	7.5	8.4	6.9	11.3	6	6	87	87	819715	804589	<0.2	1.5	<0.2	1.5			
6.5	0.3	351	28.2	28.2						8.1	8.1	28.4	28.4	56.7	56.7	3.8	3.8	20.9	9.0	7	5	90	88	819715	804589	<0.2	1.6	<0.2	1.6				
6.5	0.3	323	28.2	28.2						8.1	8.1	28.4	28.4	56.7	56.7	3.8	3.8	21.3	9.0	6	5	91	88	819715	804589	<0.2	1.5	<0.2	1.5				
1.0	0.4	263	30.5	30.5						8.6	8.6	14.2	14.1	149.7	149.7	10.4	10.1	5.8	9.0	4	5	85	85	820726	804880	<0.2	1.8	<0.2	1.8				
IM5	Sunny	Moderate	16:13	6.9	Surface	1.0	0.5	287	30.4	30.4	8.6	8.6	14.1	14.1	149.6	149.6	10.4	10.1	5.9	9.0	4	5	85	85	820726	804880	<0.2	1.9	<0.2	1.9			
						3.5	0.4	256	30.4	30.4	8.6	8.6	16.7	16.4	142.0	141.7	9.8	10.1	6.1	9.0	5	5	88	88	820726	804880	<0.2	1.8	<0.2	1.8			
						3.5	0.5	271	30.4	30.4	8.6	8.6	16.2	16.4	141.4	141.7	9.7	10.1	6.0	9.0	6	5	87	88	820726	804880	<0.2	1.8	<0.2	1.8			
					5.9	0.1	348	29.0	29.0	8.2	8.2	22.7	22.6	77.7	77.8	5.3	5.3	15.0	9.0	5	5	89	89	820726	804880	<0.2	1.8	<0.2	1.8				
					5.9	0.1	320	29.0	29.0	8.2	8.2	22.6	22.6	77.9	77.8	5.3	5.3	15.1	9.0	6	5	9											

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

Water Quality Monitoring Results on 15 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Sunny	Moderate	16:37	7.3	Surface	1.0	0.1	164	30.6	30.6	8.4	8.4	9.7	9.7	139.5	139.5	9.9	9.9	3.4	3.4	4	4	85	85	88	822099	808807	<0.2	2.0	<0.2	2.1		
						1.0	0.1	175	30.6	30.6	8.4	8.4	9.7	9.7	139.5	139.5	9.9	9.9	3.4	3.4	4	4	84	84				<0.2	2.1				
						3.7	0.0	306	30.4	30.4	8.3	8.3	10.8	10.8	130.0	130.0	9.2	9.2	3.2	3.2	4	4	89	89				<0.2	2.2				
					3.7	0.0	319	30.4	30.4	8.3	8.3	10.8	10.8	129.9	129.9	9.2	9.2	3.2	3.2	4	4	89	89	<0.2				2.2					
					6.3	0.2	273	28.6	28.6	7.9	7.9	19.9	19.9	75.5	75.5	5.2	5.2	6.9	6.9	5	5	92	92	<0.2				2.2					
					6.3	0.2	298	28.6	28.6	7.9	7.9	19.9	19.9	75.5	75.5	5.2	5.2	6.9	6.9	5	5	92	92	<0.2				2.2					
IM10	Sunny	Moderate	16:46	7.5	Surface	1.0	0.2	347	30.4	30.4	8.4	8.4	10.7	10.7	137.7	137.7	9.7	9.7	3.5	3.5	4	4	84	84	88	822374	809776	<0.2	2.2	<0.2	2.2		
						1.0	0.2	319	30.4	30.4	8.4	8.4	10.7	10.7	137.7	137.7	9.7	9.7	3.6	3.6	5	5	84	84				<0.2	2.2				
						3.8	0.3	314	29.7	29.7	8.3	8.3	14.4	14.4	122.5	122.5	8.6	8.6	4.9	4.9	4	4	88	88				<0.2	2.1				
					3.8	0.3	338	29.7	29.7	8.3	8.3	14.4	14.4	122.4	122.4	8.6	8.6	4.9	4.9	4	4	88	88	<0.2				2.2					
					6.5	0.3	320	28.3	28.3	7.9	7.9	21.1	21.1	67.7	67.7	4.7	4.7	12.4	12.4	5	5	92	92	<0.2				2.2					
					6.5	0.3	329	28.3	28.3	7.9	7.9	21.1	21.1	67.8	67.8	4.7	4.7	12.4	12.4	5	5	92	92	<0.2				2.2					
IM11	Sunny	Moderate	16:58	8.3	Surface	1.0	0.2	319	30.0	30.0	8.4	8.4	12.9	12.9	136.0	136.0	9.6	9.6	3.4	3.4	5	5	84	84	88	822034	811475	<0.2	2.0	<0.2	2.0		
						1.0	0.2	325	30.0	30.0	8.4	8.4	12.9	12.9	135.8	135.8	9.6	9.6	3.4	3.4	5	5	84	84				<0.2	2.0				
						4.2	0.2	301	29.5	29.5	8.2	8.2	15.5	15.5	120.1	120.0	8.4	8.4	3.7	3.7	5	5	88	88				<0.2	2.0				
					4.2	0.2	304	29.5	29.5	8.2	8.2	15.5	15.5	119.8	119.8	8.4	8.4	3.7	3.7	5	5	89	89	<0.2				2.1					
					7.3	0.3	261	28.1	28.1	7.9	7.9	22.3	22.3	71.7	71.7	5.0	5.0	6.1	6.1	7	7	92	92	<0.2				2.0					
					7.3	0.4	265	28.1	28.1	7.9	7.9	22.3	22.3	71.8	71.8	5.0	5.0	6.0	6.0	6	6	92	92	<0.2				2.1					
IM12	Sunny	Moderate	17:06	7.8	Surface	1.0	0.3	307	30.1	30.1	8.5	8.5	13.1	13.1	154.3	154.0	10.8	10.8	3.6	3.6	6	6	84	84	89	821448	812058	<0.2	2.1	<0.2	2.1		
						1.0	0.4	328	30.1	30.1	8.5	8.5	13.1	13.1	153.7	153.7	10.8	10.8	3.6	3.6	6	6	85	85				<0.2	2.1				
						3.9	0.5	297	28.6	28.6	8.1	8.1	20.6	20.6	88.9	89.0	6.2	6.2	6.5	6.5	6	6	88	88				<0.2	2.2				
					3.9	0.5	309	28.6	28.6	8.1	8.1	20.6	20.6	89.0	89.0	6.2	6.2	6.5	6.5	6	6	89	89	<0.2				2.1					
					6.8	0.1	322	26.9	26.9	7.8	7.8	26.7	26.7	52.7	52.7	3.9	3.9	13.3	13.3	6	6	92	92	<0.2				2.0					
					6.8	0.2	342	26.9	26.9	7.8	7.8	26.7	26.7	52.6	52.6	4.0	4.0	13.2	13.2	6	6	93	93	<0.2				2.0					
SR1A	Sunny	Moderate	17:26	5.6	Surface	1.0	-	-	30.0	30.0	8.4	8.4	15.8	15.8	145.6	145.5	10.1	10.1	3.9	3.9	5	5	-	-	819972	812662	-	-	-	-			
						1.0	-	-	30.0	30.0	8.4	8.4	15.8	15.8	145.4	145.4	10.1	10.1	3.9	3.9	5	5	-	-			-	-					
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
					4.6	-	-	29.8	29.8	8.3	8.3	18.8	18.8	119.3	119.3	8.2	8.2	11.9	11.9	6	6	-	-	-			-	-	-	-	-	-	
					4.6	-	-	29.8	29.8	8.3	8.3	18.8	18.8	119.2	119.2	8.2	8.2	12.1	12.1	6	6	-	-	-			-	-	-	-	-	-	
SR2	Sunny	Moderate	17:39	5.0	Surface	1.0	0.1	11	30.0	30.0	8.4	8.4	14.7	14.7	147.8	147.8	10.3	10.3	4.3	4.3	6	6	85	85	86	821453	814187	<0.2	2.0	<0.2	2.0		
						1.0	0.1	12	30.0	30.0	8.4	8.4	14.7	14.7	147.7	147.7	10.3	10.3	4.3	4.3	6	6	84	84				<0.2	2.0				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-
					4.0	0.1	218	28.3	28.3	8.0	8.0	21.6	21.6	78.1	78.3	5.4	5.4	16.2	16.2	8	8	88	88	<0.2				2.2					
					4.0	0.1	223	28.3	28.3	8.0	8.0	21.6	21.6	78.4	78.4	5.4	5.4	15.9	15.9	7	7	88	88	<0.2				2.0					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-
SR3	Sunny	Moderate	16:22	8.8	Surface	1.0	0.3	273	30.4	30.4	8.3	8.3	10.5	10.5	128.8	128.8	9.1	9.1	3.4	3.4	4	4	-	-	822149	807547	-	-	-	-			
						1.0	0.3	276	30.4	30.4	8.3	8.3	10.5	10.5	128.7	128.7	9.1	9.1	3.4	3.4	3	3	-	-			-	-					
						4.4	0.2	274	29.8	29.8	8.1	8.1	13.6	13.5	112.0	111.9	7.9	7.9	5.0	5.0	4	4	-	-			-	-					
					4.4	0.3	293	29.8	29.8	8.1	8.1	13.5	13.5	111.7	111.7	7.9	7.9	5.2	5.2	4	4	-	-	-			-						
					7.8	0.2	198	28.1	28.1	7.8	7.8	22.4	22.4	59.7	59.6	4.1	4.1	13.7	13.7	6	6	-	-	-			-						
					7.8	0.2	217	28.1	28.1	7.8	7.8	22.5	22.4	59.5	59.5	4.1	4.1	13.8	13.8	5	5	-	-	-			-						
SR4A	Sunny	Moderate	17:33	8.8	Surface	1.0	0.3	54	30.6	30.6	8.5	8.5	15.6	15.2	139.0	139.3	9.6	9.6	14.7	14.7	5	5	-	-	817201	807788	-	-	-	-			
						1.0	0.3	57	30.6	30.6	8.6	8.6	14.9	15.2	139.6	139.6	9.7	9.7	14.9	14.9	5	5	-	-			-	-					
						4.4	0.1	233	30.6	30.6	8.4	8.4	18.4	18.4	116.7	116.6	7.9	7.9	16.8	16.8	4	4	-	-			-	-					
					4.4	0.1	253	30.5	30.6	8.4	8.4	18.4	18.4	116.4	116.4	7.9	7.9	16.6	16.6	5	5	-	-	-			-						
					7.8	0.2	44	29.9	29.9	8.2	8.2	22.5	22.5	74.9	74.9	5.0	5.0	15.0	15.0	4	4	-	-	-			-						
					7.8	0.2	46	29.9	29.9	8.1	8.1	22.6	22.5	74.8	74.8	5.0	5.0	15.0	15.0	5	5	-	-	-			-						
SR5A	Cloudy	Moderate	17:48	3.5	Surface	1.0	0.1	20	30.4	30.4	8.3	8.3	20.1	20.1	120.6	120.6	8.1	8.1	8.6	8.6	8	8	-	-	816589	810695	-	-	-	-			
						1.0	0.1	20	30.4	30.4	8.3	8.3	20.2	20.1	120.6	120.6	8.1	8.1	8.7	8.7	8	8	-	-			-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-		
					2.5	0.1	12	30.2	30.2	8.3	8.3	20.5	20.5	114.2	113.8	7.7	7.7	10.7	10.7	8	8	-	-	-			-						
					2.5	0.1	13	30.2	30.2	8.3	8.3	20.5	20.5	113.4	113.4	7.6	7.6	11.6	11.6	7	7	-	-	-			-						
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-			
SR6A	Cloudy	Moderate	18:16	3.6	Surface	1.0	0.1	260	30.3	30.4	8.5	8.5	15.9	15.9																			

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

Water Quality Monitoring Results on 18 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Rainy	Rough	11:45	8.5	Surface	1.0	0.5	238	28.7	28.7	8.3	8.3	24.7	24.7	81.4	81.4	5.5	5.6	6	87	89	815607	804234	<0.2	0.8	0.8	0.8					
						1.0	0.5	246	28.7	28.7	8.3	8.3	24.7	24.7	81.4	81.4	5.5	5.6	6	87	89	<0.2	0.8	0.8	0.8							
						4.3	0.4	210	28.4	28.4	8.3	8.3	26.8	26.9	73.2	73.5	4.9	5.6	6	89	90	<0.2	0.8	0.8	0.8							
					Middle	4.3	0.5	220	28.4	28.4	8.3	8.3	26.9	26.9	73.8	73.5	4.9	5.7	6	90	91	<0.2	0.8	0.8	0.8	0.8						
						7.5	0.4	194	27.6	27.6	8.3	8.3	29.1	29.1	55.6	55.7	3.7	6.1	5	91	91	<0.2	0.8	0.8	0.8	0.8						
						7.5	0.5	200	27.6	27.6	8.3	8.3	29.1	29.1	55.7	55.7	3.7	6.0	5	91	91	<0.2	0.8	0.8	0.8	0.8						
C2	Cloudy	Rough	10:50	12.0	Surface	1.0	0.7	190	28.3	28.3	8.0	8.0	21.3	21.3	79.0	78.9	5.5	5.1	2	86	89	825681	806936	<0.2	1.3	1.2	1.2					
						1.0	0.7	193	28.3	28.3	8.0	8.0	21.3	21.3	78.7	78.9	5.5	5.1	3	88	89	<0.2	1.1	1.2	1.2							
						6.0	0.3	183	27.8	27.8	8.0	8.0	23.7	23.7	66.0	65.9	4.6	7.4	3	88	89	<0.2	1.1	1.2	1.2							
					Middle	6.0	0.3	194	27.8	27.8	8.0	8.0	23.7	23.7	65.7	65.9	4.5	7.6	4	89	90	<0.2	1.2	1.2	1.2							
						11.0	0.4	164	26.3	26.3	8.0	8.0	27.5	27.5	59.3	59.6	4.1	13.5	3	90	91	<0.2	1.2	1.2	1.2							
						11.0	0.5	173	26.3	26.3	8.0	8.0	27.5	27.5	59.8	59.6	4.1	13.1	4	91	91	<0.2	1.2	1.2	1.2							
C3	Rainy	Rough	12:29	11.9	Surface	1.0	0.7	94	27.6	27.6	8.1	8.1	23.3	23.4	81.2	81.1	5.6	4.1	3	86	88	822121	817795	<0.2	1.3	1.2	1.2					
						1.0	0.8	98	27.6	27.6	8.1	8.1	23.4	23.4	81.0	81.1	5.6	4.1	2	86	88	<0.2	1.2	1.2	1.2							
						6.0	0.3	93	27.1	27.1	8.0	8.0	25.3	25.3	74.2	74.2	5.1	4.4	3	88	88	<0.2	1.3	1.2	1.2							
					Middle	6.0	0.3	98	27.1	27.1	8.0	8.0	25.3	25.3	74.1	74.2	5.1	4.4	3	88	88	<0.2	1.2	1.2	1.2							
						10.9	0.3	51	26.3	26.3	8.0	8.0	27.3	27.3	64.6	64.7	4.5	9.1	2	90	91	<0.2	1.2	1.2	1.2							
						10.9	0.3	53	26.3	26.3	8.0	8.0	27.4	27.4	64.7	64.7	4.5	9.3	2	91	91	<0.2	1.2	1.2	1.2							
IM1	Cloudy	Calm	11:27	5.5	Surface	1.0	0.1	204	28.7	28.7	8.3	8.3	24.3	24.4	81.1	81.0	5.5	7.8	6	86	88	817959	807154	<0.2	0.8	0.8	0.8					
						1.0	0.1	208	28.7	28.7	8.3	8.3	24.4	24.4	80.9	80.9	5.5	7.7	7	86	88	<0.2	0.8	0.8	0.8							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Middle	4.5	0.1	176	28.7	28.7	8.2	8.2	24.7	24.7	72.4	72.7	4.9	9.8	5	90	91	<0.2	0.8	0.8	0.8	0.8						
						4.5	0.1	185	28.7	28.7	8.2	8.2	24.7	24.7	72.9	72.9	4.9	9.8	4	90	91	<0.2	0.8	0.8	0.8	0.8						
						1.0	0.3	184	28.8	28.8	8.4	8.4	23.7	23.7	88.7	88.5	6.0	5.4	5	85	85	<0.2	0.8	0.8	0.8	0.8						
IM2	Cloudy	Moderate	11:21	7.5	Surface	1.0	0.3	195	28.8	28.8	8.4	8.4	23.7	23.7	88.2	88.5	6.0	5.7	5	85	85	818161	806184	<0.2	0.7	0.8	0.8					
						3.8	0.2	167	28.4	28.4	8.3	8.3	25.8	25.8	63.2	63.1	4.3	6.2	5	89	89	<0.2	0.8	0.8	0.8							
						3.8	0.2	170	28.4	28.4	8.3	8.3	25.8	25.8	63.0	63.1	4.2	6.3	5	89	89	<0.2	0.8	0.8	0.8							
					Middle	6.5	0.1	148	28.4	28.4	8.3	8.3	26.0	26.0	63.3	63.4	4.3	8.0	6	90	90	<0.2	0.8	0.8	0.8							
						6.5	0.2	152	28.4	28.4	8.3	8.3	26.0	26.0	63.5	63.4	4.3	7.9	6	90	90	<0.2	0.8	0.8	0.8							
						1.0	0.2	172	28.7	28.7	8.3	8.3	24.5	24.5	74.4	74.6	5.1	6.2	6	85	86	<0.2	0.8	0.8	0.8							
IM3	Cloudy	Moderate	11:15	7.8	Surface	1.0	0.2	176	28.7	28.7	8.3	8.3	24.6	24.5	74.8	74.6	5.1	6.2	6	86	88	818776	805573	<0.2	0.9	0.8	0.8					
						3.9	0.2	142	28.6	28.6	8.3	8.3	24.9	24.9	70.7	70.7	4.8	6.8	5	89	89	<0.2	0.8	0.8	0.8							
						3.9	0.2	154	28.5	28.5	8.3	8.3	25.0	24.9	70.6	70.7	4.8	6.8	4	89	89	<0.2	0.9	0.8	0.8							
					Middle	6.8	0.2	136	28.2	28.2	8.3	8.3	27.0	26.9	64.4	64.5	4.3	7.1	4	90	90	<0.2	0.9	0.8	0.8							
						6.8	0.2	142	28.2	28.2	8.3	8.3	26.9	26.9	64.6	64.5	4.3	7.1	5	91	91	<0.2	0.8	0.8	0.8							
						1.0	0.6	193	28.6	28.6	8.3	8.3	23.9	23.9	72.3	72.2	4.9	6.3	7	85	85	<0.2	1.0	0.9	0.8							
IM4	Cloudy	Moderate	11:07	9.0	Surface	1.0	0.6	201	28.5	28.5	8.3	8.3	23.9	23.9	72.1	72.2	4.9	6.2	6	85	85	819712	804606	<0.2	1.0	0.9	0.8					
						4.5	0.4	169	28.2	28.2	8.3	8.3	26.6	26.6	64.0	63.9	4.3	7.5	6	88	89	<0.2	1.0	0.9	0.8							
						4.5	0.5	173	28.2	28.2	8.3	8.3	26.6	26.6	63.8	63.9	4.3	7.5	6	89	89	<0.2	1.1	0.9	0.8							
					Middle	8.0	0.5	140	28.0	28.1	8.3	8.3	27.5	27.5	61.3	61.6	4.1	8.4	6	89	89	<0.2	0.9	0.8	0.8							
						8.0	0.5	153	28.1	28.1	8.3	8.3	27.5	27.5	61.8	61.6	4.2	8.5	5	90	90	<0.2	0.7	0.8	0.8							
						1.0	0.4	224	28.7	28.7	8.3	8.3	23.2	23.2	80.4	80.4	5.5	7.1	6	87	88	<0.2	0.9	0.8	0.8							
IM5	Cloudy	Moderate	11:02	8.4	Surface	1.0	0.5	242	28.7	28.7	8.3	8.3	23.2	23.2	80.4	80.4	5.5	7.3	5	88	88	820723	804885	<0.2	1.0	0.9	0.8					
						4.2	0.5	199	28.4	28.4	8.3	8.3	25.9	25.9	67.9	67.9	4.6	7.4	5	91	91	<0.2	0.9	0.8	0.8							
						4.2	0.5	199	28.4	28.4	8.3	8.3	25.9	25.9	67.8	67.9	4.6	7.5	6	91	91	<0.2	1.0	0.9	0.8							
					Middle	7.4	0.4	174	28.2	28.2	8.3	8.3	27.0	27.0	64.3	64.5	4.3	8.6	5	92	92	<0.2	0.9	0.8	0.8							
						7.4	0.5	175	28.2	28.2	8.3	8.3	27.0	27.0	64.7	64.5	4.4	8.8	5	92	92	<0.2	1.0	0.9	0.8							
						1.0	0.3	264	28.7	28.7	8.4	8.4	23.9	24.0	77.2	77.3	5.2	8.2	4	88	88	<0.2	1.1	1.1	1.1							
IM6	Cloudy	Moderate	10:55	8.1	Surface	1.0	0.3	271	28.6	28.6	8.4	8.4	24.1	24.0	77.3	77.3	5.2	8.3	3	88	88	821053	805843	<0.2	1.2	1.2	1.2					
						4.1	0.3	184	28.5	28.5	8.4	8.4	25.1	25.1	68.6	68.4	4.6	8.4	4	91	91	<0.2	1.2	1.2	1.2							
						4.1	0.3	186	28.5	28.5	8.4	8.4	25.1	25.1	68.2	68.4	4.6	8.5	3	91	91	<0.2	1.2	1.2	1.2							
					Middle	7.1	0.3	186	28.5	28.5	8.4	8.4	25.3	25.3	67.8	67.8	4.6	9.6	5	92	92	<0.2	1.2	1.2	1.2							
						7.1	0.3	187	28.5	28.5	8.4	8.4	25.3	25.3	67.8	67.8	4.6	9.6	5	93	93	<0.2	1.1	1.1	1.1							
						1.0	0.2	242	28.9	28.9	8.5	8.5	22.2	22.2	85.9	86.0	5.9	7.3	3	88	88	<0.2	1.2	1.2	1.2							
IM7	Cloudy	Moderate	10:49	9.3	Surface	1.0	0.2	248	28.9	28.9	8.5	8.5	22.2	22.2	86.1	86.0	5.9	7.4	4	88	88	821372	806839	<0.2	1.2	1.2	1.2					
						4.7	0.2	197	28.6	28.6	8.5	8.5	24.2																			

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

Water Quality Monitoring Results on 18 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	11:19	7.5	Surface	1.0	0.2	129	28.4	28.4	8.1	8.1	21.5	21.5	86.5	86.6	6.0	3.8	3	86	88	822077	808789	-0.2	1.3	<0.2	1.3					
						1.0	0.2	139	28.4	8.1	8.1	21.5	21.5	86.6	86.6	5.8	3.8	4	86	88												
						3.8	0.1	99	28.1	28.1	8.0	8.0	22.5	22.5	79.5	79.4	6.0	5.5	2	88	89											
					3.8	0.1	102	28.1	28.1	8.0	8.0	22.6	22.6	79.3	79.3	5.5	5.8	2	89	90												
					6.5	0.1	48	27.9	27.9	8.0	8.0	23.4	23.4	71.9	72.0	5.0	8.9	3	90	90												
					6.5	0.2	49	27.9	27.9	8.0	8.0	23.4	23.4	72.1	72.1	5.0	8.8	2	90	90												
IM10	Rainy	Moderate	11:27	8.8	Surface	1.0	0.6	113	28.4	28.4	8.0	8.0	22.3	22.3	81.1	81.0	5.6	4.8	3	86	88	822397	809780	-0.2	1.1	<0.2	1.2					
						1.0	0.6	113	28.4	28.4	8.0	8.0	22.3	22.3	80.8	80.8	5.6	4.9	2	86	87											
						4.4	0.5	108	28.0	28.0	8.0	8.0	23.7	23.7	68.4	68.5	4.7	8.4	2	87	89											
					4.4	0.6	113	28.0	28.0	8.0	8.0	23.7	23.7	68.5	68.5	4.7	8.5	2	89	90												
					7.8	0.5	107	27.9	28.0	8.0	8.0	23.8	23.8	73.3	73.5	5.1	10.4	3	90	90												
					7.8	0.5	114	28.0	28.0	8.0	8.0	23.8	23.8	73.6	73.6	5.1	10.4	3	90	90												
IM11	Rainy	Rough	11:37	8.5	Surface	1.0	0.7	118	28.3	28.3	8.1	8.1	21.4	21.4	85.1	85.1	5.9	2.6	3	87	88	822073	811477	-0.2	1.1	<0.2	1.2					
						1.0	0.8	124	28.3	28.3	8.1	8.1	21.5	21.5	85.1	85.1	5.9	2.6	3	87	88											
						4.3	0.7	98	27.9	27.9	8.0	8.0	22.6	22.6	79.1	79.1	5.5	4.1	3	87	88											
					4.3	0.7	106	27.9	27.9	8.0	8.0	22.6	22.6	79.0	79.0	5.5	4.2	3	88	89												
					7.5	0.4	104	27.8	27.8	8.0	8.0	23.3	23.3	74.5	74.5	5.2	13.6	3	90	90												
					7.5	0.4	111	27.8	27.8	8.0	8.0	23.2	23.3	74.8	74.7	5.2	13.1	3	90	90												
IM12	Rainy	Rough	11:42	9.0	Surface	1.0	0.7	100	28.2	28.2	8.1	8.0	22.0	22.0	83.1	82.8	5.7	5.4	3	86	88	821480	812061	-0.2	1.1	<0.2	1.1					
						1.0	0.7	101	28.1	28.1	8.0	8.0	22.1	22.1	82.4	82.4	5.7	5.9	3	87	88											
						4.5	0.5	82	28.0	28.0	8.0	8.0	22.5	22.6	74.6	74.6	5.2	8.4	3	89	89											
					4.5	0.6	89	28.0	28.0	8.0	8.0	22.6	22.6	74.5	74.5	5.1	8.7	3	89	90												
					8.0	0.3	55	27.0	27.0	8.0	8.0	25.6	25.7	66.4	66.5	4.6	13.7	3	90	90												
					8.0	0.3	58	27.0	27.0	8.0	8.0	25.7	25.7	66.6	66.6	4.6	14.0	3	91	91												
SR1A	Rainy	Moderate	11:59	5.1	Surface	1.0	-	-	27.8	27.8	8.0	8.0	23.3	23.4	77.4	77.4	5.3	6.4	2	-	-	819977	812655	-	-	<0.2	-					
						1.0	-	-	27.8	27.8	8.0	8.0	23.5	23.5	77.3	77.3	5.3	6.4	2	-	-											
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					4.1	-	-	27.5	27.5	8.0	8.0	24.3	24.3	77.1	77.1	5.3	6.2	2	-	-												
					4.1	-	-	27.5	27.5	8.0	8.0	24.4	24.4	77.1	77.1	5.3	6.2	3	-	-												
SR2	Rainy	Rough	12:11	4.6	Surface	1.0	0.5	76	27.8	27.8	8.0	8.0	23.2	23.2	73.8	73.8	5.1	7.3	3	88	89	821454	814170	-0.2	1.2	<0.2	1.2					
						1.0	0.5	78	27.8	27.8	8.0	8.0	23.3	23.3	73.7	73.7	5.1	7.5	4	89	89											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.6	0.3	66	27.7	27.7	8.0	8.0	23.5	23.5	74.6	74.7	5.2	8.3	3	90	90												
					3.6	0.3	66	27.7	27.7	8.0	8.0	23.5	23.5	74.8	74.8	5.2	8.2	4	90	90												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR3	Cloudy	Moderate	11:08	8.4	Surface	1.0	0.2	208	28.5	28.5	8.1	8.0	21.6	21.6	80.7	80.7	5.6	4.2	3	-	-	822144	807577	-	-	<0.2	-					
						1.0	0.2	212	28.5	28.5	8.0	8.0	21.7	21.7	80.6	80.6	5.6	4.4	3	-	-											
						4.2	0.2	209	28.1	28.1	8.0	8.0	23.3	23.3	70.2	70.4	4.8	7.3	3	-	-											
					4.2	0.2	212	28.1	28.1	8.0	8.0	23.3	23.3	70.6	70.6	4.9	7.5	3	-	-												
					7.4	0.2	213	27.8	27.8	8.0	8.0	23.9	23.9	66.8	66.9	4.6	10.2	3	-	-												
					7.4	0.2	219	27.8	27.8	8.0	8.0	23.9	23.9	66.9	66.9	4.6	10.2	2	-	-												
SR4A	Rainy	Moderate	12:10	9.5	Surface	1.0	0.1	275	28.7	28.7	8.2	8.2	24.2	24.2	80.5	80.5	5.4	5.4	4	-	-	817178	807813	-	-	<0.2	-					
						1.0	0.1	292	28.7	28.7	8.2	8.2	24.2	24.2	80.4	80.4	5.4	5.6	5	-	-											
						4.8	0.1	268	28.7	28.7	8.2	8.2	24.6	24.6	69.4	69.4	4.7	6.1	5	-	-											
					4.8	0.1	269	28.7	28.7	8.2	8.2	24.6	24.6	69.3	69.3	4.7	6.1	5	-	-												
					8.5	0.1	259	28.6	28.6	8.1	8.1	25.2	25.2	63.7	63.9	4.3	7.6	5	-	-												
					8.5	0.1	270	28.6	28.6	8.1	8.1	25.2	25.2	64.0	64.0	4.3	7.8	4	-	-												
SR5A	Rainy	Calm	12:27	4.0	Surface	1.0	0.2	349	29.0	29.0	8.2	8.2	23.5	23.6	88.7	88.7	6.0	8.1	6	-	-	816590	810717	-	-	<0.2	-					
						1.0	0.2	321	28.9	28.9	8.2	8.2	23.6	23.6	88.6	88.6	6.0	8.0	7	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.0	0.1	324	28.8	28.8	8.2	8.2	24.1	24.1	76.5	76.8	5.2	9.8	4	-	-												
					3.0	0.1	330	28.8	28.8	8.2	8.2	24.1	24.1	77.0	77.0	5.2	9.9	5	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR6A	Cloudy	Calm	12:54	4.5	Surface	1.0	0.1	60	28.5	28.5	8.2	8.2	22.8	22.8	76.3	76.5	5.2	8.7	6	-	-	817984	814753	-	-	<0.2	-					
						1.0	0.1	62	28.5	28.5	8.2	8.2	22.8	22.8	76.6	76.6	5.2	8.9	4	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					3.5	0.1	227	27.9	27.9	8.1	8.1	25.0	24.9	64.4	64.5	4.4	10.2	6	-	-												
					3.5	0.1	237	27.9	27.9	8.1	8.1	24.9	24.9	64.6	64.6	4.4	10.1	6	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
SR7	Rainy	Rough	12:55	16.6	Surface	1.0	0.8	40	27.7	27.7	8.1	8.1	23.7	23.7	88.6	88.6	6.1	2.0	3	-	-	823612	823751	-	-	<0.2	-					
						1.0	0.8	43	27.7	27.7	8.1	8.1	23.7	23.7	88.5	88.5	6.1	2.0	3	-	-											
						8.3	0.5	25	27.4	27.4	8.1	8.1	24.6	24.6	82.5	82.5	5.7	2.5	3	-	-											
					8.3	0.5	27	27.3	27.3	8.1	8.1	24.6	24.6	82.5	82.5	5.7	2.5	3	-	-												
					15.6	0.4	347	27.3	27.3	8.1	8.1	24.7	24.7	85.3	85.4	5.9	2.7	3	-	-												
					15.6	0.4	319	27.3	27.3	8.1	8.1	24.7	24.7	85.5	85.5	5.9	2.8	4	-	-												
SR8	Rainy	Moderate	11:51	5.0	Surface	1.0	-	-	28.4	28.4	8.1	8.1	21.8	21.8	84.7	84.7	5.8	6.5	2	-	-	820401	811640	-	-	<0.2	-					
						1.0	-	-	28.3	28.3	8.1	8.1	21.8	21.8	84.7	84.7	5.8	6.5	3	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-										
					4.0	-	-	28.2	28.2	8.1	8.1																					

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

Water Quality Monitoring Results on 18 August 20 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	Fine	Moderate	05:41	9.2	Surface	1.0	0.5	40	28.7	28.7	8.2	8.2	23.1	23.1	77.8	77.6	5.3		6.1		2		85		815625	804264	<0.2	0.8	0.8	0.8			
						1.0	0.6	42	28.6	28.6	8.2	8.2	23.1	23.1	77.3	77.3	5.3	4.9	6.1		2		85				<0.2	0.8	0.8	0.8			
					Middle	4.6	0.4	28	28.6	28.6	8.2	8.2	24.9	24.9	66.5	66.4	4.5		7.5		3		88				<0.2	0.8	0.8	0.8	0.8		
						4.6	0.4	28	28.5	28.5	8.2	8.2	24.9	24.9	66.3	66.3	4.5		7.7		4		87				<0.2	0.8	0.8	0.8	0.8		
					Bottom	8.2	0.3	19	27.8	27.8	8.0	8.0	28.2	28.2	51.0	51.1	3.4	3.4	8.4		5		93				<0.2	0.8	0.8	0.8	0.8		
						8.2	0.4	20	27.8	27.8	8.0	8.0	28.2	28.2	51.1	51.1	3.4	3.4	8.3		5		92				<0.2	0.7	0.7	0.7	0.7		
C2	Cloudy	Moderate	06:11	12.4	Surface	1.0	0.4	333	28.5	28.5	8.0	8.0	20.3	20.3	80.5	80.3	5.6		3.8		3		87		825698	806942	<0.2	1.3	1.3	1.3			
						1.0	0.5	306	28.5	28.5	8.0	8.0	20.3	20.3	80.1	80.1	5.6	5.1	3.8		3		88				<0.2	1.2	1.2	1.2			
					Middle	6.2	0.6	341	28.3	28.3	8.0	8.0	23.0	23.0	66.2	66.1	4.5		7.8		3		89				<0.2	1.3	1.3	1.3	1.3		
						6.2	0.7	356	28.3	28.3	8.0	8.0	23.0	23.0	65.9	65.9	4.5		8.3		3		90				<0.2	1.2	1.2	1.2	1.2		
					Bottom	11.4	0.5	344	26.6	26.6	7.9	7.9	26.7	26.7	53.4	53.6	3.7	3.7	17.1		2		91				<0.2	1.3	1.3	1.3	1.3		
						11.4	0.5	316	26.6	26.6	7.9	7.9	26.7	26.7	53.7	53.7	3.7	3.7	17.9		3		90				<0.2	1.4	1.4	1.4	1.4		
C3	Cloudy	Moderate	04:22	12.4	Surface	1.0	0.4	270	28.0	28.0	8.1	8.1	22.2	22.2	85.6	85.6	5.9		2.8		3		86		822095	817813	<0.2	1.3	1.3	1.3			
						1.0	0.4	275	28.0	28.0	8.1	8.1	22.2	22.2	85.5	85.5	5.9	5.6	2.7		4		87				<0.2	1.4	1.4	1.4			
					Middle	6.2	0.4	253	27.7	27.7	8.0	8.0	23.5	23.5	76.7	76.6	5.3		2.5		3		88				<0.2	1.2	1.2	1.2	1.2		
						6.2	0.4	276	27.7	27.7	8.0	8.0	23.5	23.5	76.5	76.5	5.3		2.5		3		87				<0.2	1.2	1.2	1.2	1.2		
					Bottom	11.4	0.3	259	26.1	26.1	8.0	8.0	28.1	28.1	66.2	66.2	4.6	4.6	2.5		3		90				<0.2	1.3	1.3	1.3	1.3		
						11.4	0.3	280	26.1	26.1	8.0	8.0	28.2	28.1	66.2	66.2	4.6	4.6	2.6		3		90				<0.2	1.3	1.3	1.3	1.3		
IM1	Fine	Calm	06:00	5.6	Surface	1.0	0.2	27	28.6	28.6	8.1	8.0	25.4	25.5	68.8	68.8	4.6		6.7		5		89		817926	807130	<0.2	0.8	0.8	0.8			
						1.0	0.2	28	28.6	28.6	8.0	8.0	25.6	25.6	68.8	68.8	4.6	4.6	6.9		6		88				<0.2	0.9	0.9	0.9			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.6	0.1	357	28.5	28.5	8.0	8.0	26.2	26.2	59.3	59.4	4.0	4.0	7.8		6		91				<0.2	0.8	0.8	0.8	0.8		
						4.6	0.1	328	28.5	28.5	8.0	8.0	26.2	26.2	59.5	59.5	4.0	4.0	7.9		6		90				<0.2	0.9	0.9	0.9	0.9		
IM2	Fine	Moderate	06:07	7.6	Surface	1.0	0.3	355	28.8	28.8	8.2	8.2	23.4	23.4	80.1	79.9	5.4		5.9		7		87		818184	806159	<0.2	0.8	0.8	0.8			
						1.0	0.3	359	28.8	28.8	8.2	8.2	23.4	23.4	79.7	79.7	5.4	5.1	5.9		6		88				<0.2	0.7	0.7	0.7			
					Middle	3.8	0.4	358	28.7	28.7	8.1	8.1	24.3	24.3	70.2	70.1	4.8		6.6		7		93				<0.2	0.8	0.8	0.8	0.8		
						3.8	0.4	329	28.6	28.6	8.1	8.1	24.3	24.3	69.9	69.9	4.7		6.5		6		93				<0.2	0.8	0.8	0.8	0.8		
					Bottom	6.6	0.2	1	28.2	28.2	8.1	8.1	26.7	26.6	58.7	58.8	4.0	4.0	8.2		7		95				<0.2	0.8	0.8	0.8	0.8		
						6.6	0.2	1	28.2	28.2	8.1	8.1	26.6	26.6	58.9	58.9	4.0	4.0	8.0		6		96				<0.2	0.8	0.8	0.8	0.8		
IM3	Fine	Moderate	06:13	8.0	Surface	1.0	0.5	351	28.7	28.7	8.2	8.2	23.1	23.1	83.3	83.2	5.7		6.1		6		87		818781	805602	<0.2	0.9	0.9	0.9			
						1.0	0.5	323	28.7	28.7	8.2	8.2	23.1	23.1	83.0	83.0	5.6	5.3	6.1		7		88				<0.2	0.9	0.9	0.9			
					Middle	4.0	0.3	353	28.8	28.8	8.2	8.2	23.8	23.9	72.9	72.8	4.9		6.4		7		90				<0.2	0.9	0.9	0.9	0.9		
						4.0	0.4	325	28.7	28.7	8.2	8.2	23.8	23.9	72.7	72.7	4.9		6.5		6		90				<0.2	0.9	0.9	0.9	0.9		
					Bottom	7.0	0.4	332	28.2	28.2	8.0	8.0	26.8	26.8	56.7	56.7	3.8	3.8	7.6		6		92				<0.2	0.8	0.8	0.8	0.8		
						7.0	0.4	344	28.2	28.2	8.0	8.0	26.8	26.8	57.0	57.0	3.8	3.8	7.4		7		92				<0.2	0.8	0.8	0.8	0.8		
IM4	Fine	Moderate	06:21	9.0	Surface	1.0	0.7	4	28.6	28.6	8.2	8.2	22.2	22.2	79.9	79.8	5.5		5.4		9		87		819723	804604	<0.2	0.7	0.7	0.7			
						1.0	0.7	4	28.6	28.6	8.2	8.2	22.2	22.2	79.6	79.6	5.5	4.9	5.7		8		87				<0.2	0.7	0.7	0.7			
					Middle	4.5	0.7	356	28.4	28.4	8.1	8.1	25.4	25.5	63.6	63.6	4.3		6.5		8		90				<0.2	0.9	0.9	0.9	0.9		
						4.5	0.7	357	28.3	28.3	8.1	8.1	25.6	25.5	63.5	63.5	4.3		6.6		7		91				<0.2	0.9	0.9	0.9	0.9		
					Bottom	8.0	0.4	347	28.2	28.2	8.1	8.1	26.4	26.4	59.1	59.5	4.0	4.0	7.2		7		92				<0.2	0.9	0.9	0.9	0.9		
						8.0	0.4	356	28.2	28.2	8.1	8.1	26.4	26.4	59.8	59.8	4.0	4.0	7.2		7		92				<0.2	0.8	0.8	0.8	0.8		
IM5	Fine	Moderate	06:28	8.2	Surface	1.0	1.2	12	28.6	28.6	8.2	8.2	22.5	22.5	80.1	80.0	5.5		5.8		6		86		820746	804858	<0.2	0.9	0.9	0.9			
						1.0	1.2	12	28.6	28.6	8.2	8.2	22.5	22.5	79.8	79.8	5.5	5.1	6.0		6		87				<0.2	0.8	0.8	0.8			
					Middle	4.1	1.0	7	28.5	28.5	8.2	8.2	24.5	24.5	69.4	69.3	4.7		7.8		6		90				<0.2	0.8	0.8	0.8	0.8		
						4.1	1.1	7	28.5	28.5	8.2	8.2	24.5	24.5	69.2	69.3	4.7		7.7		6		90				<0.2	0.9	0.9	0.9			
					Bottom	7.2	0.7	12	28.4	28.4	8.1	8.1	25.0	25.0	66.3	66.4	4.5	4.5	8.3		4		91				<0.2	0.8	0.8	0.8	0.8		
						7.2	0.8	12	28.4	28.4	8.1	8.1	25.0	25.0	66.4	66.4	4.5	4.5	8.6		5		91				<0.2	0.8	0.8	0.8	0.8		
IM6	Fine	Moderate	06:34	8.1	Surface	1.0	0.0	247	28.7	28.7	8.2	8.2	21.0	21.0	83.7	83.7	5.8		5.3		4		87		821067	805806	<0.2	1.1	1.1	1.1			
						1.0	0.0	264	28.6</																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 20 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	13:19	9.2	Surface	1.0	0.7	224	27.9	27.9	8.0	8.0	26.4	26.4	83.7	83.7	5.7	8.0	8	87	8	87	90	815601	804232	<0.2	1.0	1.1	1.0			
						1.0	0.7	225	27.9	27.9	8.1	8.1	26.4	26.4	83.7	83.7	5.7	8.4	7	87	8	87	90	815601	804232	<0.2	1.0	1.1	1.0			
						4.6	0.6	210	27.8	27.8	8.1	8.1	27.9	27.9	82.3	82.3	5.5	9.1	8	89	8	89	90	815601	804232	<0.2	1.1	1.1	1.1			
					4.6	0.6	216	27.8	27.8	8.1	8.1	27.9	27.9	82.2	82.2	5.5	9.0	8	90	8	90	90	815601	804232	<0.2	1.1	1.1	1.1				
					8.2	0.5	211	27.5	27.5	8.1	8.1	28.7	28.7	76.8	76.8	5.2	12.9	9	92	9	92	90	815601	804232	<0.2	1.1	1.1	1.1				
					8.2	0.5	217	27.5	27.5	8.1	8.1	28.7	28.7	77.0	77.0	5.2	12.6	10	93	10	93	90	815601	804232	<0.2	1.2	1.2	1.2				
C2	Fine	Moderate	12:16	11.3	Surface	1.0	0.2	176	27.8	27.9	8.0	8.0	23.6	23.6	74.9	74.9	5.2	7.5	8	82	8	82	86	825667	806945	<0.2	1.4	1.4	1.4			
						1.0	0.2	193	27.9	27.9	8.0	8.0	23.6	23.6	74.9	74.9	5.2	7.5	9	82	9	82	86	825667	806945	<0.2	1.4	1.4	1.4			
						5.7	0.2	156	26.6	26.6	8.0	8.0	25.7	25.7	68.1	68.1	4.7	7.6	8	85	8	85	86	825667	806945	<0.2	1.4	1.4	1.4			
					5.7	0.2	169	26.6	26.6	8.0	8.0	25.7	25.7	68.1	68.1	4.7	7.7	9	86	9	86	86	825667	806945	<0.2	1.2	1.2	1.2				
					10.3	0.2	136	26.4	26.4	8.0	8.0	26.3	26.3	68.7	68.7	4.8	14.6	9	89	9	89	90	825667	806945	<0.2	1.4	1.4	1.4				
					10.3	0.3	138	26.4	26.4	8.0	8.0	26.3	26.3	68.9	68.9	4.8	14.6	10	90	10	90	90	825667	806945	<0.2	1.5	1.5	1.5				
C3	Fine	Moderate	13:56	11.8	Surface	1.0	0.4	110	27.2	27.2	7.9	7.9	25.1	25.1	72.1	72.1	5.0	6.8	10	81	10	81	85	822119	817820	<0.2	1.3	1.3	1.3			
						1.0	0.5	113	27.2	27.2	7.9	7.9	25.2	25.2	72.0	72.0	5.0	6.9	9	80	9	80	85	822119	817820	<0.2	1.3	1.3	1.3			
						5.9	0.2	94	26.8	26.8	8.0	8.0	25.9	25.9	70.0	70.0	4.9	7.4	11	85	11	85	86	822119	817820	<0.2	1.4	1.4	1.4			
					5.9	0.2	100	26.7	26.7	8.0	8.0	26.0	26.0	70.0	70.0	4.9	7.6	10	84	10	84	86	822119	817820	<0.2	1.4	1.4	1.4				
					10.8	0.3	43	26.7	26.8	8.0	8.0	26.2	26.1	70.9	71.1	4.9	8.1	11	88	11	88	88	822119	817820	<0.2	1.5	1.5	1.5				
					10.8	0.3	44	26.8	26.8	8.0	8.0	26.1	26.1	71.3	71.3	4.9	8.2	10	89	10	89	90	822119	817820	<0.2	1.4	1.4	1.4				
IM1	Fine	Moderate	13:00	5.7	Surface	1.0	0.1	213	27.9	27.9	8.0	8.0	26.2	26.2	80.5	80.5	5.5	10.1	10	87	10	87	89	817961	807119	<0.2	1.0	1.0	1.0			
						1.0	0.1	228	27.9	27.9	8.0	8.0	26.2	26.2	80.5	80.5	5.5	10.1	10	87	10	87	89	817961	807119	<0.2	1.0	1.0	1.0			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.7	0.2	153	27.5	27.5	8.1	8.1	27.6	27.6	77.8	77.9	5.3	12.9	10	90	10	90	90	817961	807119	<0.2	1.0	1.0	1.0				
					4.7	0.2	162	27.5	27.5	8.1	8.1	27.6	27.6	77.9	77.9	5.3	12.6	11	90	11	90	90	817961	807119	<0.2	1.0	1.0	1.0				
					1.0	0.2	184	27.8	27.8	8.0	8.0	26.5	26.5	80.8	80.8	5.5	9.4	13	85	13	85	88	818147	806146	<0.2	1.1	1.1	1.1				
IM2	Fine	Moderate	12:53	7.6	Surface	1.0	0.2	192	27.8	27.8	8.0	8.0	26.5	26.5	80.8	80.8	5.5	9.4	14	85	14	85	88	818147	806146	<0.2	1.1	1.1	1.1			
						3.8	0.2	162	27.6	27.6	8.1	8.1	26.8	26.8	79.3	79.2	5.4	9.6	13	89	13	89	88	818147	806146	<0.2	1.1	1.1	1.1			
						3.8	0.2	173	27.6	27.6	8.1	8.1	26.9	26.8	79.1	79.2	5.4	9.9	12	88	12	88	88	818147	806146	<0.2	1.1	1.1	1.1			
					6.6	0.2	132	27.5	27.5	8.1	8.1	28.0	28.0	77.9	78.0	5.3	13.6	10	91	10	91	90	818147	806146	<0.2	1.3	1.3	1.3				
					6.6	0.2	134	27.5	27.5	8.1	8.1	28.0	28.0	78.0	78.0	5.3	13.5	9	92	9	92	90	818147	806146	<0.2	1.2	1.2	1.2				
					1.0	0.5	151	27.6	27.6	8.1	8.1	26.9	26.9	78.3	78.3	5.3	13.0	12	86	12	86	88	818768	805604	<0.2	1.2	1.2	1.2				
IM3	Fine	Moderate	12:47	8.0	Surface	1.0	0.5	161	27.6	27.6	8.1	8.1	26.9	26.9	78.3	78.3	5.3	13.0	10	85	10	85	88	818768	805604	<0.2	1.1	1.1	1.1			
						4.0	0.3	131	27.5	27.5	8.1	8.1	27.6	27.6	78.0	78.0	5.3	12.4	10	88	10	88	88	818768	805604	<0.2	1.1	1.1	1.1			
						4.0	0.4	143	27.5	27.5	8.1	8.1	27.6	27.6	78.0	78.0	5.3	12.5	11	89	11	89	88	818768	805604	<0.2	1.2	1.2	1.2			
					7.0	0.2	119	27.5	27.5	8.1	8.1	27.9	27.9	78.3	78.3	5.3	16.3	10	91	10	91	90	818768	805604	<0.2	1.2	1.2	1.2				
					7.0	0.2	128	27.5	27.5	8.1	8.1	27.9	27.9	78.4	78.4	5.3	16.0	9	90	9	90	90	818768	805604	<0.2	1.2	1.2	1.2				
					1.0	0.7	189	27.6	27.6	8.0	8.0	26.2	26.2	79.8	79.8	5.4	10.0	9	85	9	85	86	819722	804612	<0.2	1.2	1.2	1.2				
IM4	Fine	Moderate	12:39	8.9	Surface	1.0	0.7	189	27.6	27.6	8.0	8.0	26.2	26.2	79.8	79.8	5.4	10.0	8	86	8	86	88	819722	804612	<0.2	1.2	1.2	1.2			
						4.5	0.6	170	27.6	27.6	8.1	8.1	27.1	27.1	78.7	78.7	5.3	13.5	10	88	10	88	88	819722	804612	<0.2	1.2	1.2	1.2			
						4.5	0.7	180	27.6	27.6	8.1	8.1	27.1	27.1	78.6	78.7	5.3	13.5	9	88	9	88	88	819722	804612	<0.2	1.3	1.3	1.3			
					7.9	0.4	149	27.6	27.6	8.2	8.2	27.5	27.5	78.3	78.3	5.3	15.1	11	91	11	91	90	819722	804612	<0.2	1.2	1.2	1.2				
					7.9	0.5	152	27.6	27.6	8.2	8.2	27.5	27.5	78.4	78.4	5.3	15.1	10	91	10	91	90	819722	804612	<0.2	1.1	1.1	1.1				
					1.0	0.6	206	27.8	27.8	8.1	8.1	26.3	26.2	82.0	82.0	5.6	8.2	6	85	6	85	88	820740	804869	<0.2	1.2	1.2	1.2				
IM5	Fine	Moderate	12:32	8.2	Surface	1.0	0.6	207	27.8	27.8	8.1	8.1	26.2	26.2	81.9	82.0	5.6	8.2	7	86	7	86	88	820740	804869	<0.2	1.3	1.3	1.3			
						4.1	0.5	188	27.6	27.6	8.2	8.2	27.5	27.5	78.7	78.7	5.3	9.5	8	88	8	88	88	820740	804869	<0.2	1.3	1.3	1.3			
						4.1	0.6	202	27.6	27.6	8.2	8.2	27.5	27.5	78.7	78.7	5.3	9.5	8	88	8	88	88	820740	804869	<0.2	1.4	1.4	1.4			
					7.2	0.4	187	27.6	27.6	8.2	8.2	27.5	27.5	79.7	79.7	5.4	13.0	9	91	9	91	90	820740	804869	<0.2	1.3	1.3	1.3				
					7.2	0.5	193	27.6	27.6	8.2	8.2	27.5	27.5	79.9	79.9	5.4	13.0	10	91	10	91	90	820740	804869	<0.2	1.4	1.4	1.4				
					1.0	0.3	248	27.8	27.8	8.1	8.1	25.5	25.5	82.1	82.1	5.6	9.1	8	85	8	85	88	821045	805851	<0.2	1.						

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

Water Quality Monitoring Results on 20 August 20 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	12:44	7.6	Surface	1.0	0.3	117	27.5	27.5	7.9	7.9	24.1	24.1	73.6	73.6	5.1	5.1	5.8	5.8	8	8	83	83	86	822088	808788	<0.2	1.4	1.4						
						1.0	0.3	125	27.5	7.9	7.9	24.1	24.1	73.5	73.5	5.1	5.0	5.8	5.8	8	8	82	82	<0.2				1.5								
						3.8	0.3	113	27.0	27.0	8.0	8.0	25.2	25.2	69.5	69.5	4.8	4.8	13.7	13.7	9	9	85	85				<0.2	1.4							
					3.8	0.3	123	27.0	27.0	8.0	8.0	25.2	25.2	69.6	69.6	4.8	4.8	13.6	13.6	9	9	86	86	<0.2				1.4								
					6.6	0.3	120	27.1	27.1	8.0	8.0	25.4	25.4	73.2	73.2	5.1	5.1	17.3	17.3	9	9	89	89	<0.2				1.4								
					6.6	0.3	126	27.1	27.1	8.0	8.0	25.4	25.4	73.2	73.2	5.1	5.1	17.1	17.1	9	9	90	90	<0.2				1.4								
IM10	Fine	Moderate	12:52	8.0	Surface	1.0	0.7	130	27.6	27.6	8.0	8.0	24.5	24.5	76.3	76.3	5.3	5.3	13.6	13.6	8	8	82	82	86	822405	809775	<0.2	1.5	1.4						
						1.0	0.8	134	27.6	8.0	8.0	24.5	24.5	76.2	76.2	5.3	5.3	13.7	13.7	9	9	81	81	<0.2				1.4								
						4.0	0.8	129	27.3	27.3	8.0	8.0	25.1	25.1	75.6	75.7	5.2	5.2	14.3	14.3	8	8	86	86				<0.2	1.3							
					4.0	0.8	133	27.3	27.3	8.0	8.0	25.1	25.1	75.7	75.7	5.2	5.2	14.3	14.3	8	8	85	85	<0.2				1.4								
					7.0	0.5	124	27.3	27.3	8.0	8.0	25.3	25.3	78.1	78.4	5.4	5.4	16.5	16.5	9	9	90	90	<0.2				1.5								
					7.0	0.6	133	27.3	27.3	8.0	8.0	25.2	25.2	78.6	78.6	5.4	5.4	16.7	16.7	9	9	89	89	<0.2				1.3								
IM11	Fine	Moderate	13:01	8.5	Surface	1.0	0.9	106	27.7	27.7	8.0	8.0	24.1	24.1	76.1	76.1	5.2	5.2	6.4	6.4	8	8	82	82	86	822059	811472	<0.2	1.6	1.4						
						1.0	1.0	111	27.7	8.0	8.0	24.1	24.1	76.0	76.0	5.2	5.2	6.5	6.5	7	7	82	82	<0.2				1.5								
						4.3	0.9	101	27.6	27.6	8.0	8.0	24.3	24.3	76.0	76.0	5.2	5.2	8.7	8.7	8	8	86	86				<0.2	1.5							
					4.3	0.9	110	27.6	27.6	8.0	8.0	24.4	24.4	76.0	76.0	5.2	5.2	8.9	8.9	7	7	85	85	<0.2				1.6								
					7.5	0.6	92	27.4	27.4	8.0	8.0	25.0	25.0	78.4	78.4	5.4	5.4	10.4	10.4	8	8	89	89	<0.2				1.3								
					7.5	0.6	93	27.4	27.4	8.0	8.0	25.0	25.0	78.7	78.6	5.4	5.4	10.5	10.5	8	8	90	90	<0.2				1.1								
IM12	Fine	Moderate	13:07	9.4	Surface	1.0	0.8	131	28.0	28.0	8.0	8.0	24.1	24.1	78.4	78.4	5.4	5.4	6.1	6.1	6	6	82	82	86	821453	812068	<0.2	1.2	1.3						
						1.0	0.8	135	28.0	28.0	8.0	8.0	24.2	24.1	78.4	78.4	5.4	5.4	6.9	6.9	7	7	82	82				<0.2	1.2							
						4.7	0.6	132	27.4	27.4	8.0	8.0	24.8	24.8	73.9	73.8	5.1	5.1	14.2	14.2	7	7	86	86				<0.2	1.3							
					4.7	0.7	132	27.4	27.4	8.0	8.0	24.8	24.8	73.7	73.8	5.1	5.1	14.3	14.3	7	7	86	86	<0.2				1.2								
					8.4	0.4	122	26.9	26.9	8.0	8.0	25.5	25.5	71.8	71.9	5.0	5.0	15.0	15.0	6	6	89	89	<0.2				1.3								
					8.4	0.4	131	27.0	27.0	8.0	8.0	25.5	25.5	71.9	71.9	5.0	5.0	15.0	15.0	7	7	89	89	<0.2				1.4								
SR1A	Fine	Moderate	13:23	5.2	Surface	1.0	-	-	27.5	27.5	8.0	8.0	24.1	24.1	74.8	74.9	5.2	5.2	5.6	5.6	7	7	-	-	86	819977	812655	-	-	-						
						1.0	-	-	27.5	27.5	8.0	8.0	24.1	24.1	74.9	74.9	5.2	5.2	5.6	5.6	8	8	-	-				-	-							
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
					4.2	-	-	27.5	27.5	8.0	8.0	24.3	24.3	77.4	77.6	5.3	5.3	12.2	12.2	7	7	-	-	-				-	-		-	-	-	-	-	
					4.2	-	-	27.5	27.5	8.0	8.0	24.3	24.3	77.7	77.6	5.3	5.4	11.9	11.9	8	8	-	-	-				-	-		-	-	-	-	-	-
SR2	Fine	Moderate	13:36	4.9	Surface	1.0	0.6	91	27.9	27.9	8.0	8.0	24.4	24.5	79.9	79.8	5.5	5.5	6.4	6.4	9	9	81	81	86	821451	814178	<0.2	1.4	1.4						
						1.0	0.6	91	27.9	27.9	8.0	8.0	24.5	24.5	79.7	79.7	5.5	5.5	6.8	6.8	8	8	82	82				<0.2	1.4							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
					3.9	0.4	76	27.5	27.5	8.0	8.0	25.0	25.0	80.7	80.9	5.5	5.5	8.1	8.1	7	7	86	86	<0.2				1.4								
					3.9	0.4	81	27.5	27.5	8.0	8.0	25.0	25.0	81.1	81.1	5.6	5.6	8.3	8.3	7	7	86	86	<0.2				1.4								
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-	-
SR3	Fine	Moderate	12:32	9.7	Surface	1.0	0.2	219	27.9	27.9	8.0	8.0	23.7	23.8	75.4	75.4	5.2	5.2	5.7	5.7	10	10	-	-	86	822136	807554	-	-	-						
						1.0	0.2	238	27.8	27.8	8.0	8.0	23.8	23.8	75.4	75.4	5.2	5.2	6.1	6.1	8	8	-	-				-	-							
						4.9	0.1	268	27.0	27.0	8.0	8.0	25.3	25.3	68.3	68.4	4.7	4.7	9.8	9.8	8	8	-	-				-	-							
					4.9	0.1	290	27.0	27.0	8.0	8.0	25.3	25.3	68.5	68.4	4.7	4.7	10.0	10.0	9	9	-	-	-				-								
					8.7	0.0	355	27.3	27.3	8.0	8.0	25.9	25.9	74.4	74.4	5.1	5.1	12.1	12.1	9	9	-	-	-				-								
					8.7	0.0	358	27.3	27.3	8.0	8.0	25.9	25.9	74.4	74.4	5.1	5.1	12.5	12.5	9	9	-	-	-				-								
SR4A	Fine	Calm	13:43	9.1	Surface	1.0	0.2	246	28.2	28.2	8.0	8.0	26.4	26.4	80.5	80.4	5.4	5.4	8.4	8.4	8	8	-	-	86	817212	807792	-	-	-						
						1.0	0.2	267	28.1	28.1	8.0	8.0	26.5	26.5	80.3	80.3	5.4	5.4	8.8	8.8	9	9	-	-												
						4.6	0.1	271	27.6	27.6	8.1	8.1	27.3	27.3	77.7	77.7	5.3	5.3	10.5	10.5	12	12	-	-												
					4.6	0.1	286	27.6	27.6	8.1	8.1	27.3	27.3	77.6	77.6	5.3	5.3	10.5	10.5	11	11	-	-													
					8.1	0.1	245	27.5	27.5	8.2	8.2	27.6	27.6	76.9	77.0	5.2	5.2	11.6	11.6	12	12	-	-													
					8.1	0.1	259	27.5	27.5	8.2	8.2	27.6	27.6	77.0	77.0	5.2	5.2	11.8	11.8	13	13	-	-													
SR5A	Fine	Calm	14:02	3.5	Surface	1.0	0.1	338	28.2	28.2	8.0	8.0	25.3	25.3	81.9	81.9	5.6	5.6	8.1	8.1	8	8	-	-	86	816602	810709	-	-	-						
						1.0	0.1	311	28.1	28.1	8.0	8.0	25.4	25.4	81.9	81.9	5.6	5.6	8.2	8.2	9	9	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-		
					2.5	0.1	351	27.8	27.8	8.2	8.2	26.0	26.0	81.5	81.6	5.5	5.5	11.5	11.5	11	11	-	-													
					2.5	0.1	323	27.8	27.8	8.2	8.2	26.0	26.0	81.6	81.6	5.5	5.5	11.7	11.7	11	11	-	-													
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-			
SR6A	Fine	Calm	14:44	4.4	Surface	1.0	0.1	311	27.6	27.6	8.0	8.0	24.0	24.0	73.5	73.5	5.1	5.1	16.3	16.3	10	10	-	-	86	817961	814746	-	-							

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

Water Quality Monitoring Results on 20 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
C1	Fine	Moderate	07:46	9.2	Surface	1.0	0.8	45	27.4	27.4	8.1	8.1	27.4	27.4	79.9	80.0	5.4	5.4	15.7	17.7	14	13	87	90	815639	804231	<0.2	1.3	<0.2	1.4						
						1.0	0.8	47	27.4	8.1	8.1	27.4	27.4	80.0	80.0	5.4	5.4	15.9	17.7	14	13	86	90	<0.2			1.5	<0.2	1.6							
					Middle	4.6	0.7	40	27.4	27.4	8.1	8.1	27.6	27.6	78.8	78.8	5.3	5.3	17.2	17.7	13	13	85	88			<0.2	1.4	<0.2	1.4						
						4.6	0.7	43	27.4	27.4	8.1	8.1	27.6	27.6	78.8	78.8	5.3	5.3	17.3	17.7	14	13	90	90			<0.2	1.4	<0.2	1.4						
					Bottom	8.2	0.6	39	27.4	27.4	8.0	8.0	27.6	27.6	79.7	79.7	5.4	5.4	20.0	20.0	10	10	85	85			<0.2	1.4	<0.2	1.4						
						8.2	0.6	41	27.4	27.4	8.0	8.0	27.6	27.6	79.8	79.8	5.4	5.4	19.9	19.9	11	11	93	93			<0.2	1.3	<0.2	1.3						
C2	Cloudy	Moderate	08:06	12.3	Surface	1.0	0.6	359	27.4	27.4	7.9	7.9	22.3	22.3	74.0	74.0	5.2	5.2	4.4	10.7	4	4	86	86	825672	806962	<0.2	1.3	<0.2	1.4						
						1.0	0.6	330	27.4	27.4	7.9	7.9	22.3	22.3	74.0	74.0	5.2	5.2	4.7	10.7	5	4	86	86			<0.2	1.4	<0.2	1.4						
					Middle	6.2	0.5	6	27.3	27.3	7.9	7.9	23.8	23.8	72.9	73.0	5.1	5.1	12.2	12.2	4	4	90	90			<0.2	1.4	<0.2	1.4						
						6.2	0.5	6	27.3	27.3	7.9	7.9	23.8	23.8	73.0	73.0	5.1	5.1	12.7	12.7	4	4	90	90			<0.2	1.4	<0.2	1.4						
					Bottom	11.3	0.4	16	27.3	27.3	8.0	8.0	24.0	24.0	74.6	74.7	5.2	5.2	15.1	15.1	3	3	93	93			<0.2	1.4	<0.2	1.4						
						11.3	0.4	16	27.3	27.3	8.0	8.0	24.0	24.0	74.7	74.7	5.2	5.2	15.1	15.1	3	3	94	94			<0.2	1.3	<0.2	1.3						
C3	Cloudy	Moderate	06:23	12.2	Surface	1.0	0.5	271	26.9	26.9	8.0	8.0	24.7	24.7	72.2	72.2	5.0	4.9	4.8	7.2	9	7	87	87	822097	817784	<0.2	1.4	<0.2	1.4						
						1.0	0.5	275	26.9	26.9	8.0	8.0	24.7	24.7	72.2	72.2	5.0	4.9	4.8	7.2	8	7	87	87			<0.2	1.4	<0.2	1.4						
					Middle	6.1	0.7	281	26.6	26.6	8.0	8.0	25.6	25.6	69.5	69.5	4.8	4.8	6.2	6.2	7	7	91	91			<0.2	1.4	<0.2	1.4						
						6.1	0.8	307	26.6	26.6	8.0	8.0	25.6	25.6	69.5	69.5	4.8	4.8	6.2	6.2	6	6	91	91			<0.2	1.5	<0.2	1.5						
					Bottom	11.2	0.5	285	26.2	26.2	8.0	8.0	26.8	26.8	67.4	67.5	4.7	4.7	10.4	10.4	5	5	94	94			<0.2	1.4	<0.2	1.4						
						11.2	0.5	296	26.2	26.2	8.0	8.0	26.8	26.8	67.6	67.6	4.7	4.7	10.5	10.5	5	5	94	94			<0.2	1.4	<0.2	1.4						
IM1	Fine	Moderate	08:03	5.9	Surface	1.0	0.3	15	27.4	27.4	8.1	8.1	26.0	26.0	78.6	78.6	5.4	5.4	11.9	13.5	13	14	88	88	817925	807149	<0.2	1.1	<0.2	1.1						
						1.0	0.3	15	27.4	27.4	8.1	8.1	26.0	26.0	78.5	78.5	5.4	5.4	12.0	13.5	14	14	88	88			<0.2	1.1	<0.2	1.1						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-
					Bottom	4.9	0.2	31	27.4	27.4	8.1	8.1	26.2	26.2	77.3	77.4	5.3	5.3	15.1	15.0	14	14	90	90			<0.2	1.2	<0.2	1.2						
						4.9	0.2	32	27.4	27.4	8.1	8.1	26.2	26.2	77.4	77.4	5.3	5.3	15.0	15.0	13	13	90	90			<0.2	1.1	<0.2	1.1						
IM2	Fine	Moderate	08:11	8.1	Surface	1.0	0.5	1	27.4	27.4	8.0	8.0	25.9	25.9	83.6	83.6	5.7	5.5	7.3	10.4	14	10	85	85	818153	806189	<0.2	0.9	<0.2	1.3						
						1.0	0.6	1	27.4	27.4	8.0	8.0	26.0	26.0	83.5	83.5	5.7	5.5	7.4	10.4	14	10	85	85			<0.2	0.9	<0.2	1.3						
					Middle	4.1	0.5	351	27.4	27.4	8.0	8.0	26.5	26.5	78.4	78.4	5.3	5.3	10.6	10.6	9	9	88	88			<0.2	1.2	<0.2	1.2						
						4.1	0.5	323	27.4	27.4	8.0	8.0	26.5	26.5	78.3	78.3	5.3	5.3	10.6	10.6	9	9	88	88			<0.2	1.2	<0.2	1.2						
					Bottom	7.1	0.4	349	27.4	27.4	8.0	8.0	26.6	26.6	78.4	78.5	5.3	5.4	13.2	13.2	7	7	90	90			<0.2	1.3	<0.2	1.3						
						7.1	0.4	321	27.4	27.4	8.0	8.0	26.6	26.6	78.5	78.5	5.4	5.4	13.3	13.3	8	8	91	91			<0.2	1.1	<0.2	1.1						
IM3	Cloudy	Moderate	08:17	8.3	Surface	1.0	0.5	350	27.4	27.4	8.0	8.0	26.5	26.5	79.2	79.2	5.4	5.4	13.9	16.2	7	8	85	85	818776	805615	<0.2	0.9	<0.2	1.0						
						1.0	0.5	357	27.4	27.4	8.0	8.0	26.5	26.5	79.1	79.1	5.4	5.4	13.9	16.2	6	8	84	84			<0.2	1.0	<0.2	1.0						
					Middle	4.2	0.5	344	27.4	27.4	8.0	8.0	26.6	26.6	78.0	78.0	5.3	5.3	15.9	15.9	7	7	88	88			<0.2	1.2	<0.2	1.2						
						4.2	0.5	337	27.4	27.4	8.0	8.0	26.6	26.6	78.0	78.0	5.3	5.3	15.8	15.8	8	8	88	88			<0.2	1.0	<0.2	1.0						
					Bottom	7.3	0.5	337	27.4	27.4	7.9	7.9	26.6	26.6	78.1	78.1	5.3	5.3	19.0	19.0	10	10	90	90			<0.2	1.0	<0.2	1.0						
						7.3	0.5	351	27.4	27.4	7.9	7.9	26.6	26.6	78.2	78.2	5.3	5.3	18.7	18.7	9	9	90	90			<0.2	1.0	<0.2	1.0						
IM4	Fine	Moderate	08:26	9.3	Surface	1.0	0.9	349	27.5	27.5	8.0	8.0	26.4	26.4	81.0	81.0	5.5	5.5	14.3	17.1	15	19	85	85	819744	804612	<0.2	0.9	<0.2	1.0						
						1.0	0.9	321	27.5	27.5	8.0	8.0	26.4	26.4	81.0	81.0	5.5	5.5	14.2	17.1	15	19	85	85			<0.2	1.0	<0.2	1.0						
					Middle	4.7	0.8	350	27.5	27.5	8.0	8.0	26.6	26.6	78.8	78.8	5.4	5.4	17.0	17.0	19	19	88	88			<0.2	1.0	<0.2	1.0						
						4.7	0.9	322	27.5	27.5	8.0	8.0	26.6	26.6	78.8	78.8	5.4	5.4	17.2	17.2	20	20	88	88			<0.2	1.1	<0.2	1.1						
					Bottom	8.3	0.8	349	27.5	27.5	7.9	7.9	26.6	26.6	78.7	78.8	5.4	5.4	19.9	19.9	22	22	90	90			<0.2	1.1	<0.2	1.1						
						8.3	0.8	321	27.5	27.5	7.9	7.9	26.6	26.6	78.8	78.8	5.4	5.4	20.1	20.1	22	22	90	90			<0.2	1.0	<0.2	1.0						
IM5	Fine	Moderate	08:33	7.6	Surface	1.0	1.1	10	27.5	27.5	7.9	7.9	26.3	26.3	79.4	79.4	5.4	5.4	7.3	10.0	5	7	85	85	820743	804845	<0.2	1.0	<0.2	1.1						
						1.0	1.2	10	27.5	27.5	7.9	7.9	26.3	26.3	79.4	79.4	5.4	5.4	7.5	10.0	6	7	85	85			<0.2	1.1	<0.2	1.1						
					Middle	3.8	0.9	8	27.5	27.5	7.9	7.9	26.3	26.3	79.0	79.0	5.4	5.4	10.4	10.4	7	7	88	88			<0.2	1.3	<0.2	1.3						
						3.8	1.0	8	27.5	27.5	7.9	7.9	26.3	26.3	79.0	79.0	5.4	5.4	10.5	10.5	6	6	88	88			<0.2	1.2	<0.2	1.2						
					Bottom	6.6	0.7	12	27.5	27.5	7.9	7.9	26.4	26.4	78.9	79.0	5.4	5.4	12.2	12.2	8	8	90	90			<0.2	1.4	<0.2	1.4						
						6.6	0.8	12	27.5	27.5	7.9	7.9	26.4	26.4	79.0	79.0	5.4	5.4	12.1	12.1	9	9	91	91			<0.2	1.2	<0.2	1.2						
IM6	Cloudy	Moderate	08:41	8.2	Surface	1.0	0.1	211	27.8	27.8	7.9	7.9	22.9	22.9	81.6	81.6	5.6	5.6																		

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

Water Quality Monitoring Results on 20 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	07:36	8.0	Surface	1.0	0.3	233	27.2	27.2	7.9	7.9	22.8	22.8	74.6	74.7	5.2	5.2	8.5	6	86	90	822090	808833	<0.2	1.6	<0.2	1.5						
						1.0	0.3	242	27.2	7.9	7.9	22.8	22.8	74.7	74.7	5.2	5.2	10.7	5	87	90	822090	808833	<0.2	1.4									
						4.0	0.3	239	27.2	27.2	7.9	7.9	22.8	22.8	75.1	75.1	5.2	5.2	10.2	6	91	90	822090	808833	<0.2	1.5								
					4.0	0.3	252	27.2	27.2	7.9	7.9	22.8	22.8	75.1	75.1	5.3	5.3	10.0	4	91	90	822090	808833	<0.2	1.5									
					7.0	0.3	246	27.2	27.2	8.0	8.0	23.1	23.1	79.1	79.3	5.5	5.6	14.6	6	93	90	822090	808833	<0.2	1.4									
					7.0	0.3	252	27.2	27.2	8.0	8.0	23.1	23.1	79.5	79.5	5.6	5.6	14.8	6	93	90	822090	808833	<0.2	1.4									
IM10	Cloudy	Moderate	07:30	9.1	Surface	1.0	0.9	311	27.2	27.2	7.9	7.9	23.1	23.1	74.4	74.4	5.2	5.1	8.1	5	87	89	822366	809775	<0.2	1.5	<0.2	1.4						
						1.0	0.9	321	27.2	27.2	7.9	7.9	23.1	23.1	74.4	74.4	5.2	5.1	8.1	6	86	89	822366	809775	<0.2	1.5								
						4.6	0.7	309	27.1	27.1	8.0	8.0	23.8	23.9	71.9	71.9	5.0	5.0	12.9	5	88	89	822366	809775	<0.2	1.3								
					4.6	0.7	314	27.1	27.1	8.0	8.0	23.9	23.9	71.9	71.9	5.0	5.0	13.2	5	88	89	822366	809775	<0.2	1.3									
					8.1	0.6	301	27.1	27.1	8.0	8.0	24.1	24.1	72.8	72.9	5.1	5.1	17.4	5	94	89	822366	809775	<0.2	1.3									
					8.1	0.6	311	27.1	27.1	8.0	8.0	24.1	24.1	72.9	72.9	5.1	5.1	17.4	5	93	89	822366	809775	<0.2	1.3									
IM11	Cloudy	Moderate	07:20	8.5	Surface	1.0	1.0	304	27.1	27.1	7.9	7.9	24.2	24.2	71.3	71.3	5.0	5.0	6.7	7	86	90	822049	811483	<0.2	1.3	<0.2	1.3						
						1.0	1.0	305	27.1	27.1	7.9	7.9	24.2	24.2	70.3	70.3	5.0	5.0	6.7	6	87	90	822049	811483	<0.2	1.4								
						4.3	0.8	305	26.9	26.9	7.9	7.9	24.7	24.7	70.3	70.4	4.9	4.9	11.8	6	91	90	822049	811483	<0.2	1.3								
					4.3	0.8	317	26.9	26.9	7.9	7.9	24.7	24.7	70.5	70.5	4.9	4.9	11.9	5	91	90	822049	811483	<0.2	1.3									
					7.5	0.6	315	26.9	26.9	8.0	8.0	25.0	25.0	71.8	71.8	5.0	5.0	15.2	5	93	90	822049	811483	<0.2	1.3									
					7.5	0.6	328	26.9	26.9	8.0	8.0	25.0	25.0	72.1	72.0	5.0	5.0	14.9	5	93	90	822049	811483	<0.2	1.3									
IM12	Cloudy	Moderate	07:15	9.6	Surface	1.0	0.9	296	27.0	27.0	7.9	7.9	24.3	24.3	72.5	72.5	5.0	5.0	8.6	7	87	91	821479	812049	<0.2	1.4	<0.2	1.4						
						1.0	0.9	296	27.0	27.0	7.9	7.9	24.3	24.3	72.4	72.4	5.0	5.0	8.7	8	87	91	821479	812049	<0.2	1.4								
						4.8	0.8	282	27.0	27.0	7.9	7.9	24.4	24.4	72.2	72.2	5.0	5.0	11.9	5	91	91	821479	812049	<0.2	1.4								
					4.8	0.8	301	27.0	27.0	7.9	7.9	24.4	24.4	72.2	72.2	5.0	5.0	12.2	6	91	91	821479	812049	<0.2	1.3									
					8.6	0.6	290	27.0	27.0	8.0	8.0	24.5	24.5	73.6	73.7	5.1	5.1	15.9	6	93	91	821479	812049	<0.2	1.3									
					8.6	0.7	316	27.0	27.0	8.0	8.0	24.5	24.5	73.7	73.7	5.1	5.1	15.7	4	94	91	821479	812049	<0.2	1.3									
SR1A	Cloudy	Moderate	06:57	4.6	Surface	1.0	-	-	27.1	27.1	7.9	7.9	23.0	23.1	75.0	74.9	5.2	5.2	4.7	4	-	819976	812654	-	-	-	-	-	-					
						1.0	-	-	27.1	27.1	7.9	7.9	23.1	23.1	74.8	74.8	5.2	5.2	4.7	5	-	819976	812654	-	-	-	-	-	-					
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	5	-	-	-	-	-	-			
					2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	5	-	-	-	-	-	-			
					3.6	-	-	27.0	27.0	8.0	8.0	23.5	23.5	74.9	75.1	5.2	5.3	5.1	4	-	-	-	4.9	5	-	-	-	-	-	-				
					3.6	-	-	27.0	27.0	8.0	8.0	23.5	23.5	75.2	75.2	5.3	5.3	5.0	5	-	-	-	4.9	5	-	-	-	-	-	-				
SR2	Cloudy	Moderate	06:45	4.8	Surface	1.0	0.3	86	26.9	26.9	7.9	7.9	24.6	24.6	70.6	70.6	4.9	4.9	5.8	3	87	89	821481	814156	<0.2	1.4	<0.2	1.5						
						1.0	0.3	88	26.9	26.9	7.9	7.9	24.6	24.6	70.6	70.6	4.9	4.9	5.7	4	-	-	-	821481	814156	<0.2			1.5					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.0	4	-			-	-	-	-	-	
					3.8	0.2	79	26.8	26.8	7.9	7.9	24.8	24.8	71.3	71.4	5.0	5.0	8.3	4	90	89	821481	814156	<0.2	1.5									
					3.8	0.2	79	26.8	26.8	7.9	7.9	24.8	24.8	71.4	71.4	5.0	5.0	8.2	5	90	89	821481	814156	<0.2	1.4									
					3.8	0.2	79	26.8	26.8	7.9	7.9	24.8	24.8	71.4	71.4	5.0	5.0	8.2	5	90	89	821481	814156	<0.2	1.4									
SR3	Cloudy	Moderate	07:48	9.4	Surface	1.0	0.1	343	27.4	27.4	7.9	7.9	21.9	21.9	76.0	76.0	5.3	5.3	4.5	4	-	822167	807549	-	-	-	-	-	-					
						1.0	0.1	316	27.4	27.4	7.9	7.9	22.0	22.0	75.9	75.9	5.3	5.3	4.8	5	-	-	-	822167	807549	-	-	-	-	-	-			
						4.7	0.1	25	27.4	27.4	7.9	7.9	22.4	22.4	76.1	76.1	5.3	5.3	7.4	4	-	-	-	822167	807549	-	-	-	-	-	-			
					4.7	0.1	26	27.4	27.4	7.9	7.9	22.5	22.4	76.1	76.1	5.3	5.3	7.5	5	-	-	-	822167	807549	-	-	-	-	-	-				
					8.4	0.2	49	27.4	27.4	8.0	8.0	22.5	22.5	80.2	80.4	5.6	5.6	7.8	5	-	-	-	822167	807549	-	-	-	-	-	-				
					8.4	0.2	49	27.4	27.4	8.0	8.0	22.5	22.5	80.6	80.6	5.6	5.6	7.8	5	-	-	-	822167	807549	-	-	-	-	-	-				
SR4A	Fine	Calm	07:22	9.8	Surface	1.0	0.1	105	27.4	27.4	8.1	8.1	25.0	25.0	77.5	77.5	5.3	5.3	10.3	8	-	817183	807805	-	-	-	-	-	-					
						1.0	0.1	113	27.4	27.4	8.1	8.1	25.0	25.0	77.5	77.5	5.3	5.3	10.3	8	-	-	-	817183	807805	-	-	-	-	-	-			
						4.9	0.1	59	27.4	27.4	8.1	8.1	25.5	25.5	77.9	77.9	5.3	5.3	11.3	6	-	-	-	817183	807805	-	-	-	-	-	-			
					4.9	0.2	64	27.4	27.4	8.1	8.1	25.5	25.5	77.9	77.9	5.3	5.3	11.2	6	-	-	-	817183	807805	-	-	-	-	-	-				
					8.8	0.2	75	27.4	27.4	8.0	8.0	25.7	25.7	77.7	77.8	5.3	5.3	15.2	7	-	-	-	817183	807805	-	-	-	-	-	-				
					8.8	0.2	75	27.4	27.4	8.0	8.0	25.7	25.7	77.8	77.8	5.3	5.3	15.0	6	-	-	-	817183	807805	-	-	-	-	-	-				
SR5A	Fine	Calm	07:06	3.6	Surface	1.0	0.2	295	27.2	27.2	8.0	8.0	24.6	24.6	77.0	77.1	5.3	5.3	8.9	5	-	816610	810706	-	-	-	-	-	-					
						1.0	0.3	312	27.2	27.2	8.0	8.0	24.6	24.6	77.1	77.1	5.3	5.3	9.1	6	-	-	-	816610	810706	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.5	6	-	-	-	-	-	-			
					2.6	0.2	302	27.2	27.2	8.0	8.0	24.6	24.6	78.1	78.2	5.4	5.4	12.0	6	-	-	-	10.5	6	-	-	-	-	-	-				
					2.6	0.3	303	27.2	27.2	8.0	8.0																							

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

Water Quality Monitoring Results on 22 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Cloudy	Moderate	14:47	8.0	Surface	1.0	0.6	230	28.8	28.8	8.0	8.0	24.7	24.7	83.3	83.2	5.6	5.6	6.2	6.2	3	3	85	85	87	815632	804226	<0.2	1.2	<0.2	1.2				
						1.0	0.6	238	28.7	28.8	8.0	8.0	24.8	24.8	83.0	83.0	5.6	5.6	6.2	6.2	4	4	86	86				<0.2	1.2						
						4.0	0.5	195	27.8	27.8	8.1	8.1	28.4	28.5	78.5	78.4	5.3	5.3	9.2	9.2	4	4	87	87				<0.2	1.2						
					4.0	0.6	213	27.7	27.7	8.1	8.1	28.6	28.6	78.2	78.2	5.3	5.3	10.8	10.8	3	3	88	88	<0.2				1.3							
					7.0	0.3	223	27.7	27.7	8.0	8.0	29.0	28.9	78.3	78.4	5.3	5.3	13.8	13.8	5	5	89	89	<0.2				1.2							
					7.0	0.3	227	27.7	27.7	8.0	8.0	28.9	28.9	78.5	78.5	5.3	5.3	13.7	13.7	4	4	89	89	<0.2				1.3							
C2	Foggy	Moderate	13:40	11.4	Surface	1.0	0.2	135	28.7	28.7	7.9	7.9	22.2	22.2	72.5	72.5	5.0	5.0	6.3	6.3	9	9	83	83	86	825673	806921	<0.2	1.5	<0.2	1.4				
						1.0	0.2	146	28.7	28.7	7.9	7.9	22.2	22.2	72.5	72.5	5.0	5.0	6.3	6.3	8	8	82	82				<0.2	1.4						
						5.7	0.5	154	27.7	27.7	7.9	7.9	24.1	24.0	67.0	67.1	4.6	4.6	9.2	9.2	9	9	86	86				<0.2	1.5						
					5.7	0.5	164	27.7	27.7	7.9	7.9	24.0	24.0	67.1	67.1	4.6	4.6	9.3	9.3	9	9	86	86	<0.2				1.6							
					10.4	0.5	144	27.2	27.2	7.9	7.9	25.7	25.7	65.0	65.0	4.5	4.5	8.2	8.2	11	11	90	90	<0.2				1.8							
					10.4	0.5	153	27.2	27.2	7.9	7.9	25.7	25.7	65.0	65.0	4.5	4.5	8.3	8.3	10	10	90	90	<0.2				1.8							
C3	Foggy	Moderate	15:21	12.6	Surface	1.0	0.4	286	28.2	28.2	7.9	7.9	23.9	23.9	73.6	73.6	5.0	5.0	4.9	4.9	6	6	83	83	87	822113	817821	<0.2	1.3	<0.2	1.2				
						1.0	0.4	303	28.2	28.2	7.9	7.9	24.0	24.0	73.6	73.6	5.0	5.0	4.9	4.9	5	5	83	83				<0.2	1.2						
						6.3	0.2	257	28.0	28.0	7.9	7.9	24.6	24.6	71.8	71.8	4.9	4.9	4.8	4.8	6	6	87	87				<0.2	1.1						
					6.3	0.2	271	28.0	28.0	7.9	7.9	24.6	24.6	71.8	71.8	4.9	4.9	4.9	4.9	7	7	87	87	<0.2				1.2							
					11.6	0.1	120	27.1	27.1	7.9	7.9	26.1	26.1	64.8	64.8	4.5	4.5	7.9	7.9	7	7	90	90	<0.2				1.2							
					11.6	0.1	127	27.1	27.1	7.9	7.9	26.1	26.1	64.8	64.8	4.5	4.5	7.9	7.9	6	6	91	91	<0.2				1.4							
IM1	Cloudy	Moderate	14:27	5.6	Surface	1.0	0.2	193	29.6	29.6	8.0	8.0	23.7	23.7	86.7	86.4	5.8	5.8	5.2	5.2	3	3	87	87	88	817967	807118	<0.2	1.2	<0.2	1.2				
						1.0	0.2	197	29.6	29.6	8.0	8.0	23.7	23.7	86.1	86.1	5.8	5.8	5.3	5.3	4	4	86	86				<0.2	1.2						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					4.6	0.2	157	28.2	28.2	8.0	8.0	26.1	26.1	76.0	76.1	5.1	5.1	11.1	11.1	4	4	89	89	<0.2				1.1							
					4.6	0.2	157	28.2	28.2	8.0	8.0	26.1	26.1	76.2	76.2	5.1	5.1	11.3	11.3	3	3	89	89	<0.2				1.1							
					1.0	0.2	191	28.3	28.3	8.1	8.1	24.8	24.9	78.2	78.0	5.3	5.3	7.9	7.9	4	4	85	85	<0.2				1.2							
IM2	Cloudy	Moderate	14:19	7.7	Surface	1.0	0.2	192	28.2	28.2	8.1	8.1	24.9	24.9	77.8	77.8	5.3	5.3	8.1	8.1	4	4	86	86	87	818166	806183	<0.2	1.2	<0.2	1.2				
						3.9	0.2	171	28.0	28.0	8.1	8.1	26.9	27.0	77.2	77.3	5.2	5.2	8.2	8.2	5	5	87	87				<0.2	1.2						
						3.9	0.2	180	28.0	28.0	8.1	8.1	27.0	27.0	77.3	77.3	5.2	5.2	8.2	8.2	4	4	87	87				<0.2	1.2						
					6.7	0.2	135	28.0	28.0	8.1	8.1	27.5	27.5	79.4	79.5	5.3	5.3	14.6	14.6	6	6	89	89	<0.2				1.2							
					6.7	0.2	138	28.0	28.0	8.1	8.1	27.5	27.5	79.6	79.6	5.3	5.3	14.5	14.5	5	5	89	89	<0.2				1.3							
					1.0	0.2	138	29.4	29.4	8.1	8.1	23.7	23.8	84.9	84.7	5.7	5.7	5.5	5.5	4	4	85	85	<0.2				1.2							
IM3	Cloudy	Moderate	14:13	7.9	Surface	1.0	0.3	140	29.3	29.3	8.1	8.1	23.8	23.8	84.4	84.4	5.7	5.7	5.6	5.6	5	5	86	86	87	818788	805583	<0.2	1.1	<0.2	1.1				
						4.0	0.2	135	28.0	28.0	8.1	8.1	27.0	27.1	78.3	78.1	5.3	5.3	5.8	5.8	4	4	87	87				<0.2	1.1						
						4.0	0.2	142	28.0	28.0	8.1	8.1	27.1	27.1	77.9	78.1	5.2	5.2	5.8	5.8	6	6	88	88				<0.2	1.1						
					6.9	0.3	129	27.9	27.9	8.1	8.1	27.7	27.7	76.9	77.0	5.2	5.2	13.3	13.3	5	5	89	89	<0.2				1.1							
					6.9	0.3	140	27.9	27.9	8.1	8.1	27.7	27.7	77.0	77.0	5.2	5.2	13.5	13.5	6	6	89	89	<0.2				1.0							
					1.0	0.5	203	28.3	28.3	7.9	7.9	25.3	25.2	78.4	78.4	5.3	5.3	10.4	10.4	6	6	85	85	<0.2				1.1							
IM4	Cloudy	Moderate	14:03	8.6	Surface	1.0	0.5	205	28.2	28.2	7.9	7.9	25.2	25.2	78.4	78.4	5.3	5.3	11.1	11.1	6	6	85	85	87	819722	804599	<0.2	1.2	<0.2	1.2				
						4.3	0.3	155	28.1	28.1	7.9	7.9	27.6	27.7	78.1	78.1	5.2	5.2	13.6	13.6	6	6	87	87				<0.2	1.1						
						4.3	0.3	163	28.1	28.1	7.9	7.9	27.8	27.7	78.0	78.1	5.2	5.2	14.6	14.6	7	7	87	87				<0.2	1.1						
					7.6	0.2	154	27.9	27.9	7.9	7.9	28.3	28.3	78.1	78.2	5.2	5.2	17.8	17.8	7	7	89	89	<0.2				1.2							
					7.6	0.2	166	27.9	27.9	7.9	7.9	28.3	28.3	78.3	78.3	5.2	5.2	17.1	17.1	8	8	89	89	<0.2				1.2							
					1.0	0.4	222	28.4	28.4	7.9	7.9	24.6	24.6	78.5	78.6	5.3	5.3	8.3	8.3	8	8	86	86	<0.2				1.2							
IM5	Cloudy	Moderate	13:56	8.4	Surface	1.0	0.4	223	28.4	28.4	7.9	7.9	24.6	24.6	78.6	78.6	5.3	5.3	8.3	8.3	7	7	85	85	88	820714	804884	<0.2	1.2	<0.2	1.2				
						4.2	0.3	194	28.3	28.3	8.0	8.0	26.5	26.5	78.9	78.9	5.3	5.3	8.0	8.0	6	6	87	87				<0.2	1.2						
						4.2	0.4	210	28.3	28.3	8.0	8.0	26.5	26.5	78.8	78.9	5.3	5.3	8.1	8.1	6	6	88	88				<0.2	1.3						
					7.4	0.2	171	28.0	28.0	8.0	8.0	27.9	27.9	77.7	77.8	5.2	5.2	16.5	16.5	6	6	89	89	<0.2				1.2							
					7.4	0.2	177	28.0	28.0	8.0	8.0	27.9	27.9	77.8	77.8	5.2	5.2	15.7	15.7	6	6	91	91	<0.2				1.2							
					1.0	0.3	267	28.5	28.5	7.9	7.9	24.0	24.1	78.2	78.0	5.3	5.3	8.6	8.6	8	8	85	85	<0.2				1.1							
IM6	Cloudy	Moderate	13:49	8.1	Surface	1.0	0.4	284	28.5	28.5	7.9	7.9	24.1	24.1	77.7	78.0	5.3	5.3	8.7	8.7	8	8	85	85	88	821073	805821	<0.2	1.2	<0.2	1.3				
						4.1	0.1	186	28.2	28.2	8.0	8.0	26.2	26.3	76.1	76.1	5.1	5.1	10.1	10.1	7	7	88	88				<0.2	1.3						
						4.1	0.2	197	28.1	28.1	8.0	8.0	26.3	26.3	76.1	76.1	5.1	5.1	10.3	10.3	7	7	87	87				<0.2	1.3						
					7.1	0.2	168	28.1	28.1	8.0	8.0	26.8	26.8	76.4	76.4	5.2	5.2	17.9	17.9	6	6	89	89	<0.2				1.2							
					7.1	0.2	178	28.1	28.1	8.0	8.0	26.8	26.8	76.6	76.6	5.2	5.2	17.6	17.6	6	6	91	91												

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

Water Quality Monitoring Results on 22 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Foggy	Moderate	14:08	7.8	Surface	1.0	0.2	68	28.3	28.3	7.9	7.9	22.4	22.4	71.9	71.9	5.0	5.8	6	83	87	822082	808809	-0.2	1.3	<0.2	1.5					
						1.0	0.2	68	28.3	28.3	7.9	7.9	22.4	22.4	71.9	71.9	4.9	5.8	6	83	87	822082	808809	-0.2	1.4							
						3.9	0.3	102	27.8	27.8	7.9	7.9	24.1	24.1	69.2	69.2	4.8	7.5	8	86	87	822082	808809	-0.2	1.5							
						3.9	0.3	109	27.8	27.8	7.9	7.9	24.1	24.1	69.2	69.2	4.8	7.5	7	87	87	822082	808809	-0.2	1.6							
						6.8	0.2	95	27.5	27.5	7.9	7.9	24.6	24.6	66.7	66.7	4.6	12.3	7	90	91	822082	808809	-0.2	1.6							
						6.8	0.2	95	27.5	27.5	7.9	7.9	24.6	24.6	66.7	66.7	4.6	12.0	8	91	91	822082	808809	-0.2	1.6							
IM10	Foggy	Moderate	14:15	7.5	Surface	1.0	0.6	98	28.5	28.5	7.9	7.9	22.8	22.8	74.2	74.2	5.1	5.7	9	83	87	822374	809786	-0.2	1.5	<0.2	1.5					
						1.0	0.6	102	28.5	28.5	7.9	7.9	22.8	22.8	74.2	74.2	5.1	5.7	8	82	87	822374	809786	-0.2	1.5							
						3.8	0.6	97	28.4	28.4	7.9	7.9	23.0	23.0	73.4	73.4	5.0	6.2	8	87	87	822374	809786	-0.2	1.4							
						3.8	0.6	102	28.4	28.4	7.9	7.9	23.0	23.0	73.4	73.4	5.0	6.2	8	87	87	822374	809786	-0.2	1.5							
						6.5	0.5	110	27.6	27.6	7.9	7.9	24.7	24.7	67.5	67.5	4.6	14.6	7	91	91	822374	809786	-0.2	1.4							
						6.5	0.5	115	27.6	27.6	7.9	7.9	24.7	24.7	67.6	67.6	4.6	13.9	7	90	90	822374	809786	-0.2	1.4							
IM11	Foggy	Moderate	14:25	7.8	Surface	1.0	0.8	105	28.9	28.9	7.9	7.9	22.5	22.5	77.1	77.1	5.2	4.0	5	83	87	822067	811476	-0.2	1.3	<0.2	1.4					
						1.0	0.9	106	28.9	28.9	7.9	7.9	22.5	22.5	77.0	77.0	5.2	4.0	6	87	87	822067	811476	-0.2	1.3							
						3.9	0.7	109	28.0	28.0	7.9	7.9	23.9	23.9	70.3	70.3	4.8	12.9	5	87	87	822067	811476	-0.2	1.4							
						3.9	0.8	116	28.0	28.0	7.9	7.9	23.9	23.9	70.2	70.2	4.8	13.2	6	87	87	822067	811476	-0.2	1.5							
						6.8	0.5	99	27.6	27.6	7.9	7.9	24.6	24.6	68.3	68.3	4.7	15.3	4	91	91	822067	811476	-0.2	1.5							
						6.8	0.5	101	27.6	27.6	7.9	7.9	24.6	24.6	68.4	68.4	4.7	15.3	5	91	91	822067	811476	-0.2	1.5							
IM12	Foggy	Moderate	14:31	9.0	Surface	1.0	0.5	95	29.0	29.0	7.9	7.9	22.1	22.1	77.4	77.4	5.3	4.0	5	82	86	821454	812047	-0.2	1.2	<0.2	1.2					
						1.0	0.5	101	29.0	29.0	7.9	7.9	22.1	22.1	77.3	77.3	5.3	4.0	6	83	86	821454	812047	-0.2	1.2							
						4.5	0.4	116	27.9	27.9	7.9	7.9	23.9	23.9	69.1	69.1	4.8	10.2	6	86	86	821454	812047	-0.2	1.2							
						4.5	0.4	120	27.9	27.9	7.9	7.9	23.9	23.9	69.1	69.1	4.8	10.0	4	86	86	821454	812047	-0.2	1.2							
						8.0	0.2	92	27.5	27.5	7.9	7.9	24.8	24.8	66.1	66.1	4.5	14.3	4	90	90	821454	812047	-0.2	1.3							
						8.0	0.2	97	27.5	27.5	7.9	7.9	24.8	24.8	66.1	66.1	4.5	14.8	3	90	90	821454	812047	-0.2	1.2							
SR1A	Foggy	Moderate	14:50	5.4	Surface	1.0	-	-	28.3	28.4	7.9	7.9	23.1	23.1	71.6	71.6	4.9	8.6	11	-	-	819974	812655	-	-	-	-	<0.2	-			
						1.0	-	-	28.4	28.4	7.9	7.9	23.1	23.1	71.5	71.5	4.9	8.7	11	-	-	819974	812655	-	-							
						2.7	-	-	-	-	-	-	-	-	-	-	4.9	-	-	-	-	-	819974	812655	-	-						
						2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	819974	812655	-	-					
						4.4	-	-	27.7	27.7	7.9	7.9	24.2	24.2	67.1	67.1	4.6	7.1	14	-	-	-	819974	812655	-	-						
						4.4	-	-	27.7	27.7	7.9	7.9	24.2	24.2	67.3	67.3	4.6	7.0	13	-	-	-	819974	812655	-	-						
SR2	Foggy	Moderate	15:03	5.2	Surface	1.0	0.5	86	28.8	28.8	7.9	7.9	22.6	22.6	76.5	76.5	5.2	3.7	7	83	85	821479	814179	-0.2	1.1	<0.2	1.2					
						1.0	0.5	91	28.8	28.8	7.9	7.9	22.6	22.6	76.4	76.4	5.2	3.8	7	83	85	821479	814179	-0.2	1.2							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821479	814179			-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821479	814179			-	-			
						4.2	0.3	78	27.8	27.8	7.9	7.9	24.1	24.1	69.0	69.0	4.7	12.6	6	86	86	821479	814179	-0.2	1.2							
						4.2	0.3	81	27.8	27.8	7.9	7.9	24.1	24.1	69.0	69.0	4.7	12.6	6	86	86	821479	814179	-0.2	1.2							
SR3	Foggy	Moderate	13:56	8.8	Surface	1.0	0.1	170	28.2	28.2	7.9	7.9	22.9	22.9	71.7	71.7	4.9	6.8	5	-	-	822152	807569	-	-	-	-	<0.2	-			
						1.0	0.1	170	28.2	28.2	7.9	7.9	22.9	22.9	71.7	71.7	4.9	6.8	6	-	-	822152	807569	-	-							
						4.4	0.2	195	27.9	27.9	7.9	7.9	24.2	24.2	70.2	70.2	4.8	8.6	6	-	-	822152	807569	-	-							
						4.4	0.2	204	27.9	27.9	7.9	7.9	24.2	24.2	70.1	70.1	4.8	8.6	7	-	-	822152	807569	-	-							
						7.8	0.2	232	27.6	27.6	7.9	7.9	24.5	24.5	67.3	67.3	4.6	10.2	6	-	-	822152	807569	-	-							
						7.8	0.2	236	27.5	27.5	7.9	7.9	24.5	24.5	67.3	67.3	4.6	10.4	7	-	-	822152	807569	-	-							
SR4A	Cloudy	Moderate	15:10	8.4	Surface	1.0	0.1	58	29.2	29.2	8.1	8.1	24.5	24.5	82.2	82.1	5.5	8.8	4	-	-	817181	807802	-	-	-	-	<0.2	-			
						1.0	0.1	62	29.2	29.2	8.1	8.1	24.5	24.5	81.9	81.9	5.5	8.6	5	-	-	817181	807802	-	-							
						4.2	0.2	53	28.2	28.2	8.1	8.1	26.1	26.1	75.0	75.1	5.1	13.4	5	-	-	817181	807802	-	-							
						4.2	0.2	57	28.2	28.2	8.1	8.1	26.1	26.1	75.2	75.1	5.1	13.3	4	-	-	817181	807802	-	-							
						7.4	0.2	50	28.1	28.1	8.1	8.1	26.4	26.3	76.8	76.9	5.2	16.0	4	-	-	817181	807802	-	-							
						7.4	0.2	50	28.1	28.1	8.1	8.1	26.3	26.3	77.0	77.0	5.2	15.5	5	-	-	817181	807802	-	-							
SR5A	Cloudy	Moderate	15:27	3.7	Surface	1.0	0.0	119	28.8	28.8	8.0	8.0	24.4	24.4	78.9	79.0	5.3	14.8	7	-	-	816594	810693	-	-	-	-	<0.2	-			
						1.0	0.0	127	28.8	28.8	8.0	8.0	24.5	24.4	79.1	79.1	5.3	15.0	6	-	-	816594	810693	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816594	810693	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816594	810693	-	-					
						2.7	0.0	171	28.7	28.7	8.0	8.0	24.6	24.6	78.0	78.1	5.3	16.6	8	-	-	816594	810693	-	-							
						2.7	0.0	184	28.7	28.7	8.0	8.0	24.6	24.6	78.1	78.1	5.3	17.4	8	-	-	816594	810693	-	-							
SR6A	Cloudy	Moderate	15:54	4.5	Surface	1.0	0.1	82	28.5	28.5	8.0	8.0	23.9	23.9	80.4	80.3	5.5	11.4	6	-	-	817980	814727	-	-	-	-	<0.2	-			
						1.0	0.1	87	28.5	28.5	8.0	8.0	23.9	23.9	80.2	80.2	5.5	11.9	7	-	-	817980	814727	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	817980	814727	-	-					
						-	-	-																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Foggy	Moderate	09:47	7.6	Surface	1.0	0.5	73	28.4	28.4	7.9	7.9	19.5	19.6	76.9	76.9	5.4	3.5	3.5	4	86	86	90	90	90	822083	808798	<0.2	1.6	1.7		
						1.0	0.5	77	28.4	28.2	7.9	7.9	19.6	19.6	76.9	76.9	5.4	3.5	3.5	3	85	85	89	89				<0.2	1.7			
						3.8	0.4	100	28.2	28.2	7.9	7.9	21.6	21.6	73.2	73.2	5.1	6.7	6.7	4	89	89	90	90				<0.2	1.6			
					3.8	0.5	109	28.2	28.0	7.9	7.9	21.6	21.6	73.2	73.2	5.1	6.7	6.7	4	89	89	90	90	<0.2				1.7				
					6.6	0.4	97	28.0	28.0	7.9	7.9	22.4	22.4	71.2	71.3	4.9	4.9	4.9	5	93	93	94	94	<0.2				1.6				
					6.6	0.4	101	28.0	28.0	7.9	7.9	22.4	22.4	71.3	71.3	4.9	4.9	4.9	5	93	93	94	94	<0.2				1.8				
IM10	Foggy	Moderate	09:39	8.2	Surface	1.0	0.6	313	28.1	28.1	7.9	7.9	23.0	23.0	72.0	72.0	5.0	7.4	7.4	8	85	85	89	89	89	822381	809784	<0.2	1.5	1.5		
						1.0	0.6	334	28.1	27.8	7.9	7.9	23.0	23.0	71.9	71.9	5.0	7.7	7.7	8	86	86	89	89				<0.2	1.4			
						4.1	0.5	303	27.8	27.8	7.9	7.9	23.7	23.7	69.1	69.2	4.8	4.8	4.8	8	89	89	90	90				<0.2	1.4			
					4.1	0.5	332	27.8	27.8	7.9	7.9	23.7	23.7	69.2	69.2	4.8	4.8	4.8	8	89	89	90	90	<0.2				1.5				
					7.2	0.4	300	27.8	27.8	7.9	7.9	23.7	23.7	68.9	69.0	4.8	4.8	4.8	10	93	93	94	94	<0.2				1.5				
					7.2	0.5	326	27.8	27.8	7.9	7.9	23.7	23.7	69.0	69.0	4.8	4.8	4.8	8	93	93	94	94	<0.2				1.6				
IM11	Foggy	Moderate	08:56	7.8	Surface	1.0	0.8	307	27.9	27.9	7.9	7.9	23.2	23.2	71.1	71.1	4.9	4.9	4.9	7	85	85	89	89	89	822033	811473	<0.2	1.4	1.5		
						1.0	0.8	320	27.9	27.7	7.9	7.9	23.2	23.2	71.1	71.1	4.9	4.9	4.9	7	86	86	89	89				<0.2	1.4			
						3.9	0.8	309	27.7	27.7	7.9	7.9	23.6	23.6	69.0	69.0	4.8	4.8	4.8	6	89	89	90	90				<0.2	1.4			
					3.9	0.8	333	27.7	27.4	7.9	7.9	23.6	23.6	69.0	69.0	4.8	4.8	4.8	7	90	90	91	91	<0.2				1.5				
					6.8	0.6	301	27.4	27.4	7.9	7.9	24.5	24.5	67.2	67.2	4.6	4.6	4.6	8	93	93	94	94	<0.2				1.5				
					6.8	0.6	323	27.4	27.4	7.9	7.9	24.5	24.5	67.2	67.2	4.6	4.6	4.6	8	93	93	94	94	<0.2				1.5				
IM12	Foggy	Moderate	08:50	8.9	Surface	1.0	0.9	279	27.8	27.8	7.9	7.9	23.6	23.6	69.5	69.5	4.8	12.4	12.4	4	85	85	89	89	89	821442	812033	<0.2	1.3	1.4		
						1.0	1.0	296	27.8	27.7	7.9	7.9	23.6	23.6	69.5	69.5	4.8	12.5	12.5	4	85	85	89	89				<0.2	1.4			
						4.5	0.7	273	27.7	27.7	7.9	7.9	23.9	23.9	68.4	68.4	4.7	14.1	14.1	6	90	90	91	91				<0.2	1.3			
					4.5	0.8	280	27.7	27.6	7.9	7.9	23.9	23.9	68.4	68.4	4.7	13.5	13.5	5	89	89	90	90	<0.2				1.4				
					7.9	0.6	267	27.6	27.6	7.9	7.9	24.0	24.0	67.8	67.9	4.7	15.6	15.6	6	94	94	95	95	<0.2				1.5				
					7.9	0.6	291	27.6	27.6	7.9	7.9	24.0	24.0	67.9	67.9	4.7	15.5	15.5	5	93	93	94	94	<0.2				1.6				
SR1A	Foggy	Moderate	08:31	5.5	Surface	1.0	-	-	28.0	28.0	7.9	7.9	22.4	22.4	73.0	73.0	5.0	4.2	4.2	8	-	-	-	-	819982	812664	-	-	-			
						1.0	-	-	28.0	28.0	7.9	7.9	22.4	22.4	73.0	73.0	5.0	4.2	4.2	6	-	-	-	-			-	-				
						2.8	-	-	-	-	-	-	-	-	-	-	-	5.0	4.2	4.2	6	-	-	-			-	-		-		
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.3	4.2	4.2	7			-	-		-	-	
					4.5	-	-	27.9	27.9	7.9	7.9	23.2	23.2	69.3	69.4	4.8	6.6	6.6	7	-	-	-	-	-			-					
					4.5	-	-	27.9	27.9	7.9	7.9	23.2	23.2	69.5	69.5	4.8	6.2	6.2	7	-	-	-	-	-			-					
SR2	Foggy	Moderate	08:19	5.0	Surface	1.0	0.2	13	27.7	27.7	7.9	7.9	23.7	23.7	68.9	68.9	4.8	10.6	10.6	13	85	85	89	89	88	821485	814183	<0.2	1.4	1.4		
						1.0	0.2	13	27.7	27.7	7.9	7.9	23.7	23.7	68.9	68.9	4.8	10.9	10.9	12	85	85	89	89				<0.2	1.4			
						-	-	-	-	-	-	-	-	-	-	-	-	4.8	10.9	10.9	11.6	13	88	88				90	90		<0.2	1.4
					4.0	0.2	48	27.6	27.6	7.9	7.9	24.1	24.1	68.0	68.1	4.7	12.5	12.5	14	90	90	91	91	<0.2				1.4				
					4.0	0.2	52	27.6	27.6	7.9	7.9	24.1	24.1	68.1	68.1	4.7	12.3	12.3	14	90	90	91	91	<0.2				1.4				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			
SR3	Foggy	Moderate	10:01	8.2	Surface	1.0	0.3	270	28.4	28.4	7.8	7.8	19.1	19.1	75.4	75.4	5.3	3.2	3.2	3	-	-	-	-	822163	807560	-	-	-			
						1.0	0.3	294	28.4	28.2	7.8	7.8	19.1	19.1	75.4	75.4	5.3	3.2	3.2	3	-	-	-	-			-	-				
						4.1	0.1	300	28.2	28.2	7.9	7.9	21.0	21.0	71.7	71.7	5.0	5.0	5.0	4	-	-	-	-			-	-				
					4.1	0.1	304	28.2	28.2	7.9	7.9	21.0	21.0	71.7	71.7	5.0	4.9	4.9	4	-	-	-	-	-			-					
					7.2	0.3	59	28.1	28.1	7.9	7.9	21.2	21.2	71.1	71.1	4.9	5.5	5.5	5	-	-	-	-	-			-					
					7.2	0.3	64	28.1	28.1	7.9	7.9	21.2	21.2	71.1	71.1	4.9	5.5	5.5	4	-	-	-	-	-			-					
SR4A	Cloudy	Moderate	09:00	8.7	Surface	1.0	0.1	221	28.4	28.4	8.1	8.1	24.1	24.1	75.4	75.4	5.1	9.9	9.9	8	-	-	-	-	817204	807831	-	-	-			
						1.0	0.1	241	28.4	28.4	8.1	8.1	24.1	24.1	75.4	75.4	5.1	10.1	10.1	8	-	-	-	-			-	-				
						4.4	0.2	63	28.4	28.4	8.1	8.1	24.2	24.2	75.1	75.2	5.1	11.6	11.6	10	-	-	-	-			-	-				
					4.4	0.2	67	28.4	28.4	8.1	8.1	24.2	24.2	75.2	75.2	5.1	11.7	11.7	9	-	-	-	-	-			-					
					7.7	0.1	69	28.4	28.4	8.1	8.1	24.2	24.2	75.6	75.7	5.1	12.1	12.1	10	-	-	-	-	-			-					
					7.7	0.1	75	28.4	28.4	8.1	8.1	24.2	24.2	75.8	75.8	5.1	12.2	12.2	10	-	-	-	-	-			-					
SR5A	Sunny	Moderate	08:42	3.5	Surface	1.0	0.2	303	28.3	28.3	8.1	8.1	24.3	24.3	75.6	75.7	5.2	12.4	12.4	8	-	-	-	-	816600	810685	-	-	-			
						1.0	0.2	322	28.3	28.3	8.1	8.1	24.4	24.4	75.8	75.8	5.2	12.5	12.5	9	-	-	-	-			-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	5.2	12.8	12.8	9	-	-	-			-	-		-		
					2.5	0.2	305	28.3	28.3	8.1	8.1	24.3	24.3	78.0	78.1	5.3	13.3	13.3	10	-	-	-	-	-			-					
					2.5	0.2	308	28.3	28.3	8.1	8.1	24.3	24.3	78.2	78.2	5.3	13.2	13.2	10	-	-	-	-	-			-					
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-					
SR6A	Sunny	Moderate	08:10	4.8	Surface	1.0	0.0	182	28.1	28.1	8.5	8.5	24.2	24.2	74.3	74.3	5.1	9.1	9.1	8	-	-	-	-	817956	814753	-	-	-			
						1.0	0.0	195	28.1	28.1	8.5	8.5	24.3	24.3	74.3	74.3	5.1	9.														

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

Water Quality Monitoring Results on 25 August 20 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	Rough	17:27	8.2	Surface	1.0	0.6	230	30.1	30.1	8.4	8.4	18.4	18.4	103.4	103.2	7.1	7.3	8	88	90	815633	804249	<0.2	1.6	<0.2	1.6						
						1.0	0.6	245	30.0	8.4	8.4	18.4	18.4	102.9	103.2	7.0	7.3	7	88	90	815633	804249	<0.2	1.7									
					Middle	4.1	0.5	195	29.1	29.1	8.4	8.4	21.7	21.7	83.1	83.1	5.7	7.7	6	90	89	815633	804249	<0.2	1.6								
						4.1	0.6	206	29.1	29.1	8.4	8.4	21.7	21.7	83.0	83.0	5.7	8.0	6	90	89	815633	804249	<0.2	1.6								
					Bottom	7.2	0.3	223	28.9	28.9	8.4	8.4	24.3	24.3	79.1	79.2	5.3	5.3	6	92	91	815633	804249	<0.2	1.6								
						7.2	0.3	240	28.9	28.9	8.4	8.4	24.3	24.3	79.2	79.2	5.3	5.3	6	92	91	815633	804249	<0.2	1.6								
C2	Cloudy	Rough	16:11	11.6	Surface	1.0	0.2	135	29.8	29.8	8.1	8.1	18.4	18.4	97.9	97.9	6.7	4.0	6	86	88	825673	806928	<0.2	1.4	<0.2	1.4						
						1.0	0.2	141	29.8	8.1	8.1	18.4	18.4	97.8	97.8	6.7	4.0	5	87	88	825673	806928	<0.2	1.4									
					Middle	5.8	0.5	154	28.7	28.7	8.0	8.0	21.7	21.7	78.8	78.7	5.4	7.2	6	87	89	825673	806928	<0.2	1.4								
						5.8	0.5	167	28.7	28.7	8.0	8.0	21.8	21.8	78.5	78.5	5.4	7.2	6	87	89	825673	806928	<0.2	1.4								
					Bottom	10.6	0.5	144	28.5	28.5	8.0	8.0	23.0	23.0	75.4	75.5	5.2	8.5	6	89	89	825673	806928	<0.2	1.5								
						10.6	0.5	153	28.5	28.5	8.0	8.0	23.0	23.0	75.6	75.6	5.2	8.5	5	91	91	825673	806928	<0.2	1.4								
C3	Cloudy	Moderate	17:49	12.0	Surface	1.0	0.4	286	29.2	29.2	8.0	8.0	20.8	20.8	89.6	89.6	6.1	2.4	4	87	89	822112	817823	<0.2	1.3	<0.2	1.3						
						1.0	0.4	313	29.2	8.0	8.0	20.8	20.8	89.5	89.5	6.1	2.4	5	88	89	822112	817823	<0.2	1.2									
					Middle	6.0	0.2	257	28.7	28.7	8.0	8.0	23.2	23.2	81.9	81.9	5.6	3.6	5	89	89	822112	817823	<0.2	1.3								
						6.0	0.2	263	28.6	28.6	8.0	8.0	23.2	23.2	81.8	81.8	5.6	3.7	6	88	89	822112	817823	<0.2	1.3								
					Bottom	11.0	0.1	120	27.9	27.9	8.0	8.0	26.9	26.9	75.2	75.3	5.1	10.4	6	90	90	822112	817823	<0.2	1.2								
						11.0	0.1	125	27.9	27.9	8.0	8.0	26.9	26.9	75.3	75.3	5.1	10.1	6	91	91	822112	817823	<0.2	1.4								
IM1	Fine	Rough	17:10	5.0	Surface	1.0	0.1	231	30.2	30.2	8.4	8.4	18.4	18.4	104.7	104.6	7.1	8.0	7	88	90	817960	807155	<0.2	1.4	<0.2	1.5						
						1.0	0.1	240	30.1	8.4	8.4	18.4	18.4	104.4	104.4	7.1	9.0	7	89	90	817960	807155	<0.2	1.5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-
					Bottom	4.0	0.1	311	29.4	29.4	8.3	8.3	21.5	21.5	86.2	86.6	5.9	5.9	10	91	91	817960	807155	<0.2	1.5								
						4.0	0.1	325	29.4	29.4	8.3	8.3	21.5	21.5	87.0	87.0	5.9	10.2	9	91	91	817960	807155	<0.2	1.5								
IM2	Fine	Rough	16:50	7.0	Surface	1.0	0.2	191	29.9	29.9	8.4	8.4	18.5	18.5	103.0	102.6	7.1	8.0	10	88	91	818173	806169	<0.2	1.5	<0.2	1.5						
						1.0	0.3	207	29.8	8.4	8.4	18.6	18.6	102.2	102.2	7.0	7.9	11	88	91	818173	806169	<0.2	1.5									
					Middle	3.5	0.2	171	29.3	29.3	8.4	8.4	21.1	21.1	84.7	84.7	5.8	8.1	10	91	91	818173	806169	<0.2	1.4								
						3.5	0.2	171	29.2	29.2	8.4	8.4	21.1	21.1	84.6	84.6	5.8	8.1	10	93	93	818173	806169	<0.2	1.4								
					Bottom	6.0	0.2	135	28.8	28.8	8.4	8.4	24.5	24.5	79.7	79.8	5.4	9.5	9	91	91	818173	806169	<0.2	1.4								
						6.0	0.2	145	28.8	28.8	8.4	8.4	24.5	24.5	79.8	79.8	5.4	9.5	9	94	94	818173	806169	<0.2	1.5								
IM3	Fine	Rough	16:41	7.2	Surface	1.0	0.2	138	30.0	30.0	8.4	8.4	18.5	18.6	103.3	103.0	7.1	7.9	9	88	91	818805	805598	<0.2	1.4	<0.2	1.4						
						1.0	0.3	145	29.9	8.4	8.4	18.6	18.6	102.6	102.6	7.0	7.6	9	89	91	818805	805598	<0.2	1.4									
					Middle	3.6	0.2	135	29.1	29.1	8.4	8.4	21.2	21.2	84.9	84.9	5.8	8.9	9	91	91	818805	805598	<0.2	1.3								
						3.6	0.2	146	29.0	29.0	8.4	8.4	21.2	21.2	84.8	84.8	5.8	8.9	8	92	92	818805	805598	<0.2	1.4								
					Bottom	6.2	0.3	129	28.8	28.8	8.4	8.4	24.6	24.6	80.2	80.4	5.4	9.7	9	93	93	818805	805598	<0.2	1.5								
						6.2	0.3	140	28.8	28.8	8.4	8.4	24.6	24.6	80.6	80.6	5.4	9.5	8	93	93	818805	805598	<0.2	1.4								
IM4	Fine	Rough	16:33	8.3	Surface	1.0	0.5	203	30.1	30.1	8.4	8.4	18.3	18.3	104.5	104.3	7.1	8.4	10	87	90	819743	804594	<0.2	1.5	<0.2	1.5						
						1.0	0.6	207	30.0	8.4	8.4	18.4	18.4	104.0	104.0	7.1	8.4	10	87	90	819743	804594	<0.2	1.5									
					Middle	4.2	0.3	155	29.1	29.1	8.4	8.4	22.1	22.1	81.8	81.7	5.6	9.1	9	91	91	819743	804594	<0.2	1.5								
						4.2	0.4	162	29.0	29.0	8.4	8.4	22.1	22.1	81.6	81.7	5.6	9.2	10	91	91	819743	804594	<0.2	1.4								
					Bottom	7.3	0.2	154	28.8	28.8	8.4	8.4	24.5	24.5	82.6	82.8	5.6	10.3	9	91	91	819743	804594	<0.2	1.4								
						7.3	0.2	167	28.8	28.8	8.4	8.4	24.5	24.5	83.0	82.8	5.6	10.4	9	92	92	819743	804594	<0.2	1.5								
IM5	Fine	Rough	16:25	7.6	Surface	1.0	0.4	222	30.0	30.0	8.4	8.4	18.5	18.5	104.3	104.1	7.1	8.0	11	87	90	820755	804886	<0.2	1.7	<0.2	1.7						
						1.0	0.4	238	29.9	8.4	8.4	18.5	18.5	103.8	103.8	7.1	7.8	10	88	91	820755	804886	<0.2	1.8									
					Middle	3.8	0.3	194	29.4	29.4	8.4	8.4	21.0	21.0	87.7	87.7	6.0	8.0	8	91	91	820755	804886	<0.2	1.6								
						3.8	0.3	206	29.3	29.3	8.4	8.4	21.0	21.0	87.7	87.7	6.0	8.2	8	91	91	820755	804886	<0.2	1.6								
					Bottom	6.6	0.2	171	28.8	28.8	8.4	8.4	24.5	24.5	81.5	81.9	5.5	9.5	8	92	92	820755	804886	<0.2	1.5								
						6.6	0.2	183	28.8	28.8	8.4	8.4	24.5	24.5	82.2	81.9	5.5	9.6	8	92	92	820755	804886	<0.2	1.5								
IM6	Fine	Rough	16:18	7.5	Surface	1.0	0.3	267	30.3	30.3	8.4	8.4	18.3	18.3	107.4	107.2	7.3	8.2	9	87	89	821039	805846	<0.2	1.6	<0.2	1.6						
						1.0	0.4	276	30.3	8.4	8.4	18.4	18.3	107.0	107.0	7.3	8.4	8	87	89	821039	805846	<0.2	1.6									
					Middle	3.8	0.1	186	29.2	29.2	8.3	8.3	21.0	21.1	87.8	87.7	6.0	8.9	6	89	90	821039	805846	<0.2	1.7								
						3.8	0.1	192	29.1	29.1	8.3	8.3	21.1	21.1	87.6	87.7	6.0	8.9	5	90	90	821039	805846	<0.2	1.6								
					Bottom	6.5	0.2	168	28.8	28.8	8.3	8.3	24.7	24.7	81.6	81.7	5.5	9.8	5	91	91	821039	805846	<0.2	1.6								
						6.5	0.2	175	28.8	28.8	8.3	8.3	24.7	24.7	81.7	81.7	5.5	9.5	6	92	92	821039	805846	<0.2	1.6								
IM7	Fine	Rough	16:10	8.8	Surface	1.0																											

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

Water Quality Monitoring Results on 25 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	16:40	7.2	Surface	1.0	0.2	40	29.2	29.2	7.9	7.9	18.9	18.9	84.0	84.0	5.8	5.8	3.8	3.8	7	86	88	822074	808830	<0.2	1.5	1.4	1.4			
						1.0	0.2	40	29.2	29.2	7.9	7.9	18.9	18.9	83.9	83.9	5.8	5.8	3.8	3.8	6	86	88			<0.2	1.3	1.4	1.4			
						3.6	0.2	44	29.0	29.0	7.9	7.9	19.3	19.3	82.1	82.1	5.7	5.7	4.7	4.7	6	88	89			<0.2	1.2	1.3	1.4			
					3.6	0.3	45	29.0	29.0	7.9	7.9	19.3	19.3	82.0	82.0	5.7	5.7	4.9	4.9	6	89	90			<0.2	1.3	1.4	1.4				
					6.2	0.1	57	28.9	28.9	8.0	8.0	20.6	20.6	81.1	81.1	5.6	5.6	5.9	5.9	5	90	90			<0.2	1.4	1.4	1.4				
					6.2	0.2	62	28.9	28.9	8.0	8.0	20.6	20.6	81.8	81.8	5.6	5.6	5.9	5.9	5	90	90			<0.2	1.4	1.4	1.4				
IM10	Cloudy	Rough	16:48	7.6	Surface	1.0	0.6	69	29.4	29.4	8.0	8.0	18.4	18.4	89.0	89.0	6.2	6.2	3.1	3.1	7	86	88	822367	809773	<0.2	1.4	1.4	1.4			
						1.0	0.6	72	29.4	29.4	8.0	8.0	18.4	18.4	89.0	89.0	6.2	6.2	3.1	3.1	6	86	88			<0.2	1.4	1.4	1.4			
						3.8	0.4	77	29.1	29.1	7.9	7.9	18.7	18.8	85.3	85.3	5.9	5.9	4.2	4.2	6	88	89			<0.2	1.4	1.4	1.4			
					3.8	0.4	79	29.1	29.1	7.9	7.9	18.8	18.8	85.1	85.1	5.9	5.9	4.2	4.2	5	88	89			<0.2	1.4	1.4	1.4				
					6.6	0.5	115	29.0	29.0	7.9	7.9	21.3	21.4	83.9	83.9	5.7	5.7	5.0	5.0	4	90	90			<0.2	1.4	1.4	1.4				
					6.6	0.5	116	29.0	29.0	7.9	7.9	21.5	21.4	83.8	83.8	5.7	5.7	5.2	5.2	4	90	90			<0.2	1.4	1.4	1.4				
IM11	Cloudy	Rough	16:57	8.1	Surface	1.0	0.5	94	29.4	29.4	8.0	8.0	17.8	17.8	91.4	91.4	6.3	6.3	3.3	3.3	5	86	87	822064	811442	<0.2	1.4	1.4	1.4			
						1.0	0.5	94	29.4	29.4	8.0	8.0	17.8	17.8	91.3	91.3	6.3	6.3	3.4	3.4	6	87	89			<0.2	1.3	1.3	1.4			
						4.1	0.5	119	29.1	29.1	7.9	7.9	20.0	20.1	85.0	85.0	5.8	5.8	3.8	3.8	5	89	90			<0.2	1.3	1.3	1.4			
					4.1	0.5	119	28.7	28.7	7.9	7.9	20.0	20.1	80.5	80.5	5.8	5.8	3.9	3.9	4	89	90			<0.2	1.4	1.4	1.4				
					7.1	0.3	105	28.7	28.7	7.9	7.9	22.3	22.3	77.5	77.5	5.3	5.3	7.4	7.4	4	89	90			<0.2	1.5	1.5	1.5				
					7.1	0.3	111	28.7	28.7	7.9	7.9	22.3	22.3	77.4	77.4	5.3	5.3	7.4	7.4	3	90	90			<0.2	1.3	1.3	1.3				
IM12	Cloudy	Rough	17:03	9.0	Surface	1.0	0.7	106	29.2	29.2	7.9	7.9	17.9	17.9	87.5	87.5	6.1	6.1	4.1	4.1	3	87	88	821460	812024	<0.2	1.4	1.4	1.4			
						1.0	0.7	109	29.2	29.2	7.9	7.9	18.0	17.9	87.2	87.2	6.1	6.1	4.2	4.2	4	86	88			<0.2	1.4	1.4	1.4			
						4.5	0.4	88	28.8	28.8	7.9	7.9	21.3	21.3	76.4	76.4	5.3	5.3	5.1	5.1	4	88	89			<0.2	1.3	1.3	1.4			
					4.5	0.4	89	28.8	28.8	7.9	7.9	21.2	21.3	76.5	76.5	5.3	5.3	5.0	5.0	3	89	90			<0.2	1.4	1.4	1.4				
					8.0	0.1	76	28.7	28.7	7.9	7.9	22.7	22.7	77.8	77.8	5.3	5.3	4.6	4.6	4	90	90			<0.2	1.3	1.3	1.4				
					8.0	0.1	79	28.7	28.7	7.9	7.9	22.7	22.7	78.0	78.0	5.3	5.3	4.6	4.6	4	90	90			<0.2	1.4	1.4	1.4				
SR1A	Cloudy	Moderate	17:18	5.1	Surface	1.0	-	-	29.5	29.5	8.0	8.0	20.1	20.1	95.0	95.0	6.5	6.5	3.8	3.8	6	-	-	819976	812657	-	-	-	-	-		
						1.0	-	-	29.4	29.4	8.0	8.0	20.1	20.1	94.9	94.9	6.5	6.5	4.0	4.0	6	-	-			-	-	-	-	-		
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-
					4.1	-	-	28.9	28.9	8.0	8.0	22.5	22.6	83.3	83.2	5.7	5.7	5.4	5.4	8	-	-	-	-			-	-	-	-	-	
					4.1	-	-	28.9	28.9	8.0	8.0	22.6	22.6	83.1	83.1	5.7	5.7	5.6	5.6	7	-	-	-	-	-			-	-	-	-	-
SR2	Cloudy	Moderate	17:30	4.6	Surface	1.0	0.4	78	29.5	29.5	8.0	8.0	17.7	17.7	94.0	93.9	6.5	6.5	2.7	2.7	5	88	89	821439	814175	<0.2	1.3	1.3	1.3			
						1.0	0.4	81	29.5	29.5	8.0	8.0	17.7	17.7	93.7	93.7	6.5	6.5	2.7	2.7	4	89	90			<0.2	1.3	1.3	1.3			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	1.3	1.3	1.3	
					3.6	0.2	67	29.1	29.1	8.0	8.0	19.8	19.8	92.1	92.2	6.3	6.3	3.6	3.6	3	90	90			<0.2	1.2	1.2	1.2				
					3.6	0.2	68	29.1	29.1	8.0	8.0	19.8	19.8	92.3	92.3	6.4	6.4	3.7	3.7	4	90	90			<0.2	1.2	1.2	1.2				
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2	1.2	1.2	1.2	
SR3	Cloudy	Rough	16:29	8.9	Surface	1.0	0.2	67	29.4	29.4	8.0	8.0	18.2	18.2	89.3	89.2	6.2	6.2	3.8	3.8	5	-	-	822167	807565	-	-	-	-	-		
						1.0	0.2	73	29.4	29.4	8.0	8.0	18.2	18.2	89.1	89.1	6.2	6.2	4.0	4.0	5	-	-			-	-	-	-	-		
						4.5	0.2	173	29.2	29.2	8.0	8.0	20.5	20.6	86.7	86.7	5.9	5.9	5.8	5.8	5	-	-			-	-	-	-	-		
					4.5	0.2	187	29.2	29.2	8.0	8.0	20.6	20.6	86.6	86.6	5.9	5.9	5.8	5.8	6	-	-			-	-	-	-	-			
					7.9	0.2	278	28.9	28.9	8.0	8.0	21.3	21.4	82.0	82.2	5.6	5.6	7.9	7.9	5	-	-			-	-	-	-	-			
					7.9	0.3	296	28.8	28.8	8.0	8.0	21.4	21.4	82.3	82.3	5.6	5.6	8.3	8.3	6	-	-			-	-	-	-	-			
SR4A	Fine	Moderate	17:45	8.5	Surface	1.0	0.1	229	30.0	29.9	8.4	8.4	18.6	18.6	102.6	102.3	7.0	7.0	7.2	7.2	5	-	-	817209	807792	-	-	-	-	-		
						1.0	0.1	234	29.8	29.8	8.4	8.4	18.6	18.6	102.0	102.0	7.0	7.0	7.1	7.1	6	-	-			-	-	-	-	-		
						4.3	-	23	29.2	29.2	8.3	8.3	22.1	22.0	83.4	83.4	5.7	5.7	8.3	8.3	5	-	-			-	-	-	-	-		
					4.3	-	23	29.2	29.2	8.4	8.4	21.9	22.0	83.3	83.3	5.7	5.7	8.3	8.3	6	-	-			-	-	-	-	-			
					7.5	0.3	74	28.6	28.6	8.4	8.4	25.7	25.6	78.7	78.8	5.3	5.3	9.7	9.7	6	-	-			-	-	-	-	-			
					7.5	0.3	74	28.6	28.6	8.4	8.4	25.6	25.6	78.9	78.9	5.3	5.3	9.7	9.7	6	-	-			-	-	-	-	-			
SR5A	Fine	Moderate	18:00	4.2	Surface	1.0	0.2	307	30.3	30.3	8.3	8.3	21.0	21.0	100.0	100.0	6.7	6.7	9.2	9.2	8	-	-	816586	810699	-	-	-	-	-		
						1.0	0.2	336	30.3	30.3	8.3	8.3	21.0	21.0	99.9	99.9	6.7	6.7	9.1	9.1	8	-	-			-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	
					3.2	0.1	308	30.3	30.3	8.3	8.3	21.1	21.1	100.1	100.3	6.7	6.7	10.4	10.4	8	-	-			-	-	-	-				

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

Water Quality Monitoring Results on 25 August 20 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
C1	Sunny	Moderate	12:22	8.4	Surface	1.0	0.5	28	29.4	29.4	8.5	8.5	19.4	19.4	94.2	94.2	6.5	6.0	8.3	9.1	5	4	86	90	815634	804238	<0.2	<0.2	1.3	1.4			
						1.0	0.5	30	29.3	29.4	8.5	8.5	19.5	19.5	94.1	94.1	6.5	6.0	8.3	9.1	5	4	87	90	<0.2	<0.2	1.3	1.4					
						4.2	0.7	44	28.0	28.0	8.5	8.5	28.1	28.0	80.4	80.3	5.5	5.3	9.0	9.0	4	4	90	91	<0.2	<0.2	1.3	1.4					
					4.2	0.7	45	28.0	28.0	8.5	8.5	27.9	28.0	80.2	80.2	5.4	5.3	9.0	9.0	4	4	91	91	<0.2	<0.2	1.3	1.4						
					7.4	0.4	37	27.9	27.9	8.5	8.5	29.0	29.0	79.0	79.2	5.3	5.3	9.9	9.9	4	4	92	92	<0.2	<0.2	1.5	1.4						
					7.4	0.4	38	27.9	27.9	8.5	8.5	29.1	29.0	79.3	79.3	5.3	5.3	9.8	9.8	3	3	92	92	<0.2	<0.2	1.4	1.4						
C2	Sunny	Moderate	12:51	12.0	Surface	1.0	0.3	350	29.1	29.1	7.9	7.9	18.7	18.7	18.7	78.4	5.4	5.3	6.3	7.7	3	4	86	88	825659	806956	<0.2	<0.2	1.7	1.5			
						1.0	0.3	322	29.1	29.1	7.9	7.9	18.7	18.7	78.4	78.4	5.4	5.3	6.3	7.7	2	4	86	88	<0.2	<0.2	1.5	1.5					
						6.0	0.4	28	28.6	28.6	7.9	7.9	21.4	21.4	73.8	73.8	5.1	5.1	7.1	7.5	4	3	89	88	<0.2	<0.2	1.6	1.6					
					6.0	0.4	28	28.6	28.6	7.9	7.9	21.4	21.4	73.7	73.7	5.1	5.0	7.5	7.5	3	3	88	90	<0.2	<0.2	1.6	1.4						
					11.0	0.4	346	28.4	28.4	7.9	7.9	23.6	23.6	73.7	73.8	5.0	5.0	9.6	9.6	5	4	90	90	<0.2	<0.2	1.4	1.3						
					11.0	0.4	318	28.4	28.4	7.9	7.9	23.6	23.6	73.9	73.9	5.0	5.0	9.6	9.6	4	4	90	90	<0.2	<0.2	1.3	1.3						
C3	Sunny	Moderate	11:05	11.8	Surface	1.0	0.3	241	29.0	29.0	7.9	7.9	21.5	21.5	82.3	82.2	5.6	5.3	2.1	4.8	2	2	86	88	822093	817808	<0.2	<0.2	1.2	1.2			
						1.0	0.3	251	29.0	29.0	7.9	7.9	21.6	21.6	82.1	82.1	5.6	5.3	2.2	4.8	2	2	86	88	<0.2	<0.2	1.2	1.2					
						5.9	0.4	252	28.5	28.5	7.9	7.9	23.1	23.1	73.7	73.6	5.0	5.0	2.2	2.2	2	2	88	89	<0.2	<0.2	1.2	1.3					
					5.9	0.4	268	28.5	28.5	7.9	7.9	23.1	23.1	73.5	73.5	5.0	5.0	2.2	2.2	2	2	89	90	<0.2	<0.2	1.3	1.2						
					10.8	0.4	266	28.1	28.1	7.9	7.9	24.9	24.9	71.8	71.9	4.9	4.9	10.0	10.0	3	3	90	90	<0.2	<0.2	1.2	1.3						
					10.8	0.4	274	28.1	28.1	7.9	7.9	24.9	24.9	71.9	71.9	4.9	4.9	10.2	10.2	3	3	90	90	<0.2	<0.2	1.3	1.3						
IM1	Sunny	Calm	12:40	5.1	Surface	1.0	0.1	204	30.1	30.1	8.5	8.5	18.9	18.9	106.9	106.7	7.3	7.3	5.2	6.0	7	6	88	90	817925	807118	<0.2	<0.2	1.4	1.4			
						1.0	0.1	217	30.0	30.0	8.5	8.5	18.9	18.9	106.5	106.5	7.3	7.3	5.3	6.0	7	6	88	90	<0.2	<0.2	1.2	1.2					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					4.1	0.1	223	29.4	29.5	8.5	8.5	22.3	22.3	92.1	92.1	6.2	6.2	6.8	6.8	5	6	91	92	<0.2	<0.2	1.4	1.4						
					4.1	0.1	232	29.5	29.5	8.5	8.5	22.3	22.3	92.3	92.3	6.2	6.2	6.7	6.7	6	6	92	92	<0.2	<0.2	1.4	1.4						
					1.0	0.3	12	30.0	30.0	8.4	8.4	18.7	18.7	98.3	98.3	6.7	6.5	5.0	5.0	4	4	86	87	<0.2	<0.2	1.4	1.4						
IM2	Sunny	Moderate	12:48	7.1	Surface	1.0	0.3	12	30.0	30.0	8.4	8.4	18.7	18.7	98.3	98.3	6.7	6.5	5.1	7.7	5	5	87	89	818179	806189	<0.2	<0.2	1.4	1.4			
						3.6	0.3	331	29.3	29.3	8.5	8.5	20.5	20.5	91.4	91.3	6.2	6.2	8.4	8.4	4	4	90	90	<0.2	<0.2	1.4	1.4					
						3.6	0.3	352	29.3	29.3	8.5	8.5	20.5	20.5	91.1	91.1	6.2	6.2	8.4	8.4	4	4	90	90	<0.2	<0.2	1.4	1.4					
					6.1	0.2	306	29.0	29.0	8.5	8.5	24.2	24.2	79.6	79.8	5.4	5.4	9.8	9.8	5	4	91	91	<0.2	<0.2	1.4	1.4						
					6.1	0.2	306	28.9	28.9	8.5	8.5	24.2	24.2	79.9	79.9	5.4	5.4	9.8	9.8	4	4	91	91	<0.2	<0.2	1.4	1.4						
					1.0	0.4	6	30.1	30.1	8.4	8.4	18.4	18.4	98.6	98.5	6.7	6.5	5.0	5.0	5	5	87	87	<0.2	<0.2	1.4	1.4						
IM3	Sunny	Moderate	12:54	7.3	Surface	1.0	0.4	6	30.0	30.0	8.4	8.4	18.4	18.4	98.4	98.4	6.7	6.5	5.0	6.3	4	5	87	90	818807	805578	<0.2	<0.2	1.4	1.5			
						3.7	0.3	321	29.4	29.4	8.5	8.5	20.8	20.8	91.5	91.5	6.2	6.2	6.6	6.6	5	5	90	91	<0.2	<0.2	1.4	1.4					
						3.7	0.3	347	29.4	29.4	8.5	8.5	20.8	20.8	91.4	91.4	6.2	6.2	6.6	6.6	5	5	90	91	<0.2	<0.2	1.5	1.5					
					6.3	0.3	298	29.1	29.1	8.5	8.5	23.9	23.9	82.1	82.1	5.5	5.5	7.5	7.5	4	4	92	92	<0.2	<0.2	1.4	1.4						
					6.3	0.3	298	29.1	29.1	8.5	8.5	23.9	23.9	82.0	82.0	5.5	5.5	7.2	7.2	5	5	92	92	<0.2	<0.2	1.5	1.5						
					1.0	0.7	2	29.5	29.5	8.4	8.4	20.0	20.0	92.2	92.3	6.3	6.3	6.3	6.3	4	4	88	88	<0.2	<0.2	1.3	1.3						
IM4	Sunny	Moderate	13:03	8.4	Surface	1.0	0.7	2	29.5	29.5	8.4	8.4	20.0	20.0	92.3	92.3	6.3	6.2	6.3	8.2	4	5	88	91	819726	804584	<0.2	<0.2	1.5	1.4			
						4.2	0.6	336	29.2	29.2	8.5	8.5	21.5	21.5	88.8	88.6	6.0	6.0	8.9	8.9	4	4	91	91	<0.2	<0.2	1.4	1.4					
						4.2	0.6	344	29.2	29.2	8.5	8.5	21.5	21.5	88.4	88.4	6.0	6.0	8.9	8.9	4	4	91	91	<0.2	<0.2	1.4	1.4					
					7.4	0.4	331	29.2	29.2	8.5	8.5	22.8	22.8	87.5	87.7	5.9	5.9	9.3	9.3	4	4	92	92	<0.2	<0.2	1.4	1.4						
					7.4	0.4	331	29.2	29.2	8.5	8.5	22.8	22.8	87.8	87.8	5.9	5.9	9.5	9.5	6	6	93	93	<0.2	<0.2	1.4	1.4						
					1.0	0.8	5	29.8	29.8	8.4	8.4	19.5	19.5	96.2	96.3	6.6	6.5	6.0	6.0	4	4	87	87	<0.2	<0.2	1.5	1.4						
IM5	Sunny	Moderate	13:10	7.5	Surface	1.0	0.8	5	29.8	29.8	8.4	8.4	19.5	19.5	96.3	96.3	6.6	6.5	6.2	7.9	4	4	87	90	820741	804859	<0.2	<0.2	1.5	1.5			
						3.8	0.6	3	29.5	29.5	8.4	8.4	20.5	20.5	94.2	94.2	6.4	6.4	7.6	7.6	5	4	90	90	<0.2	<0.2	1.5	1.5					
						3.8	0.7	3	29.5	29.5	8.4	8.4	20.5	20.5	94.1	94.1	6.4	6.4	7.6	7.6	5	4	90	90	<0.2	<0.2	1.5	1.5					
					6.5	0.5	15	29.4	29.5	8.5	8.5	21.0	21.0	92.7	92.8	6.3	6.3	9.9	9.9	5	5	93	93	<0.2	<0.2	1.4	1.4						
					6.5	0.5	15	29.5	29.5	8.5	8.5	21.0	21.0	92.8	92.8	6.3	6.3	10.0	10.0	4	4	93	93	<0.2	<0.2	1.4	1.4						
					1.0	0.1	197	30.2	30.2	8.5	8.5	16.8	16.8	100.3	100.4	6.9	6.9	5.6	5.6	5	5	87	87	<0.2	<0.2	1.5	1.6						
IM6	Sunny	Moderate	13:16	7.4	Surface	1.0	0.1	213	30.1	30.1	8.5	8.5	16.8	16.8	100.5	100.5	6.9	6.9	5.8	7.2	4	5	86	89	821077	805838	<0.2	<0.2	1.6	1.6			
						3.7	0.1	90	30.0	30.0	8.5	8.5	18.6	18.6	100.7	100.7	6.9	6.9	7.7	7.7													

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

Water Quality Monitoring Results on **25 August 20** 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	12:20	7.4	Surface	1.0	0.2	69	30.1	30.1	8.0	8.0	14.2	14.2	90.4	90.3	6.3	5.1	4	87	88	87	88	88	88	88	822086	808817	<0.2	1.4	1.4				
						1.0	0.3	69	30.0	8.0	8.0	14.2	14.2	90.1	90.3	6.3	5.1	4	86	88	87	88	88	88	<0.2				1.5						
						3.7	0.1	89	29.2	29.2	8.0	8.0	16.9	16.9	86.2	86.2	6.0	4.7	5	87	87	87	87	87	87				<0.2	1.3					
					3.7	0.1	89	29.2	29.2	8.0	8.0	16.9	16.9	86.1	86.1	6.0	4.9	5	87	87	87	87	87	87	<0.2				1.4						
					6.4	0.2	279	28.9	28.9	7.9	7.9	20.4	20.4	81.2	81.3	5.6	16.6	5	90	90	90	90	90	90	90				90	<0.2		1.3			
					6.4	0.2	285	28.9	28.9	7.9	7.9	20.4	20.4	81.4	81.4	5.6	16.1	6	90	90	90	90	90	90	90				90	<0.2		1.4			
IM10	Sunny	Moderate	12:12	7.1	Surface	1.0	0.4	330	29.2	29.2	7.9	7.9	19.0	19.0	86.5	86.5	6.0	3.8	5	86	86	86	86	86	86	88	822393	809807	<0.2	1.3	1.4				
						1.0	0.5	353	29.1	29.1	7.9	7.9	19.0	19.0	86.4	86.4	6.0	3.8	4	86	86	86	86	86	86				<0.2	1.4					
						3.6	0.4	326	28.8	28.8	7.9	7.9	21.3	21.3	76.6	76.6	5.3	12.5	4	89	89	89	89	89	89				<0.2	1.3					
					3.6	0.4	344	28.8	28.8	7.9	7.9	21.4	21.4	76.5	76.5	5.3	12.5	4	89	89	89	89	89	89	<0.2				1.5						
					6.1	0.4	321	28.8	28.8	7.9	7.9	21.5	21.5	77.8	77.8	5.3	10.8	6	90	90	90	90	90	90	90				90	<0.2		1.4			
					6.1	0.4	346	28.8	28.8	7.9	7.9	21.5	21.5	77.9	77.9	5.3	10.9	6	90	90	90	90	90	90	90				90	<0.2		1.5			
IM11	Sunny	Moderate	12:01	7.5	Surface	1.0	0.6	296	29.1	29.1	7.9	7.9	20.2	20.2	84.4	84.4	5.8	3.5	3	87	87	87	87	87	87	88	822074	811454	<0.2	1.3	1.4				
						1.0	0.6	311	29.1	29.1	7.9	7.9	20.2	20.2	84.3	84.3	5.8	3.7	3	86	86	86	86	86	86				<0.2	1.5					
						3.8	0.6	296	28.8	28.8	7.9	7.9	22.1	22.1	75.1	75.0	5.1	6.0	4	88	88	88	88	88	88				<0.2	1.2					
					3.8	0.6	306	28.7	28.7	7.9	7.9	22.2	22.2	74.9	74.9	5.1	6.2	4	87	87	87	87	87	87	<0.2				1.3						
					6.5	0.4	294	28.3	28.3	7.9	7.9	23.6	23.6	72.6	72.6	5.0	12.0	4	89	89	89	89	89	89	<0.2				1.4						
					6.5	0.4	309	28.3	28.3	7.9	7.9	23.7	23.6	72.8	72.7	5.0	12.1	4	89	89	89	89	89	89	<0.2				1.4						
IM12	Sunny	Moderate	11:56	8.8	Surface	1.0	0.5	270	29.2	29.2	8.0	8.0	19.9	19.9	86.3	86.3	5.9	5.2	4	86	86	86	86	86	86	88	821445	812035	<0.2	1.2	1.4				
						1.0	0.5	288	29.2	29.2	8.0	8.0	19.9	19.9	86.2	86.2	5.9	5.6	4	86	86	86	86	86	86				<0.2	1.4					
						4.4	0.4	270	28.7	28.7	7.9	7.9	22.3	22.4	78.0	78.0	5.3	11.5	5	89	89	89	89	89	89				<0.2	1.5					
					4.4	0.5	291	28.7	28.7	7.9	7.9	22.5	22.4	77.9	78.0	5.3	11.8	6	88	88	88	88	88	88	<0.2				1.4						
					7.8	0.3	265	28.4	28.4	7.9	7.9	23.5	23.5	74.2	74.3	5.1	15.2	7	90	90	90	90	90	90	<0.2				1.5						
					7.8	0.3	291	28.4	28.4	8.0	8.0	23.5	23.5	74.3	74.3	5.1	15.7	6	91	91	91	91	91	91	<0.2				1.4						
SR1A	Sunny	Moderate	11:38	5.2	Surface	1.0	-	-	29.3	29.3	8.0	8.0	19.1	19.1	90.4	90.1	6.2	6.0	5	-	-	-	-	-	-	88	819978	812658	-	-	-				
						1.0	-	-	29.2	29.2	8.0	8.0	19.1	19.1	89.8	89.8	6.2	6.9	4	-	-	-	-	-	-				-	-		-			
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					4.2	-	-	29.1	29.1	8.0	8.0	21.4	21.4	85.2	85.3	5.8	10.7	4	-	-	-	-	-	-	-				-	-		-	-	-	
					4.2	-	-	29.1	29.1	8.0	8.0	21.4	21.4	85.4	85.4	5.8	11.0	4	-	-	-	-	-	-	-				-	-		-	-	-	
SR2	Sunny	Moderate	11:25	4.1	Surface	1.0	0.1	31	29.4	29.4	8.0	8.0	19.8	19.8	87.0	87.0	6.0	4.1	4	89	89	89	89	89	89	88	821468	814173	<0.2	1.4	1.4				
						1.0	0.1	32	29.4	29.4	8.0	8.0	19.8	19.8	87.0	87.0	6.0	4.0	4	88	88	88	88	88	88				<0.2	1.3					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	
					3.1	0.2	356	29.3	29.3	8.0	8.0	19.9	19.9	88.0	88.0	6.0	5.1	5	89	89	89	89	89	89	89				89	<0.2		1.3			
					3.1	0.2	328	29.3	29.3	8.0	8.0	19.9	19.9	88.0	88.0	6.0	5.1	4	90	90	90	90	90	90	90				90	<0.2		1.4			
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	
SR3	Sunny	Moderate	12:32	8.8	Surface	1.0	0.3	21	30.1	30.1	7.9	7.9	13.0	13.0	90.5	90.5	6.4	4.1	3	-	-	-	-	-	88	822164	807578	-	-	-					
						1.0	0.3	21	30.0	30.0	7.9	7.9	13.1	13.0	90.4	90.4	6.4	4.1	4	-	-	-	-	-				-	-		-				
						4.4	0.2	29	29.1	29.1	7.9	7.9	17.0	17.0	79.9	79.8	5.6	4.7	4	-	-	-	-	-				-	-		-				
					4.4	0.2	29	29.1	29.1	7.9	7.9	17.0	17.0	79.6	79.6	5.6	4.7	4	-	-	-	-	-	-				-	-						
					7.8	0.0	109	28.9	28.9	7.9	7.9	19.6	19.6	80.0	80.1	5.5	3.3	4	-	-	-	-	-	-				-	-						
					7.8	0.0	109	28.9	28.9	7.9	7.9	19.6	19.6	80.1	80.1	5.5	3.4	5	-	-	-	-	-	-				-	-						
SR4A	Sunny	Calm	11:59	8.6	Surface	1.0	0.3	59	29.8	29.8	8.4	8.4	19.2	19.2	94.7	94.7	6.5	8.8	3	-	-	-	-	-	88	817182	807810	-	-	-					
						1.0	0.3	62	29.8	29.8	8.4	8.4	19.2	19.2	94.6	94.6	6.5	8.9	4	-	-	-	-	-				-							
						4.3	0.1	64	29.8	29.8	8.4	8.4	21.0	21.0	88.6	88.6	6.0	9.5	6	-	-	-	-	-				-							
					4.3	0.1	64	29.7	29.7	8.4	8.4	21.0	21.0	88.6	88.6	6.0	9.9	7	-	-	-	-	-	-											
					7.6	0.2	105	29.7	29.7	8.3	8.3	22.0	22.0	84.6	84.9	5.7	10.8	7	-	-	-	-	-	-											
					7.6	0.2	106	29.7	29.7	8.3	8.3	22.0	22.0	85.1	85.1	5.7	10.8	8	-	-	-	-	-	-											
SR5A	Sunny	Calm	11:40	3.3	Surface	1.0	0.2	307	29.8	29.8	8.4	8.4	22.2	22.3	89.2	88.9	6.0	7.9	7	-	-	-	-	-	88	816600	810672	-	-	-					
						1.0	0.2	323	29.8	29.8	8.4	8.4	22.3	22.3	88.6	88.6	6.0	8.0	8	-	-	-	-	-											
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-											
					2.3	0.2	293	29.7	29.7	8.3	8.3	22.4	22.4	87.8	87.9	5.9	8.2	5	-	-	-	-	-												
					2.3	0.2	298	29.7	29.7	8.3	8.3	22.4	22.4	88.0	88.0	5.9	8.1	4	-	-	-	-	-												
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
SR6A	Sunny	Calm	11:03	4.4	Surface	1.0	0.0	13	29.8	29.8	8.5	8.5	22.5	22.5	93.8	93.7	6.3	5.3	5	-	-	-	-												

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

Water Quality Monitoring Results on 27 August 20 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	07:24	8.0	Surface	1.0	0.3	202	29.0	29.0	8.1	8.1	18.8	18.8	91.9	91.9	6.4	6.1	2.0	6.6	3	3	85	88	815642	804252	<0.2	1.3	<0.2	1.3				
						1.0	0.3	202	29.0	29.0	8.1	8.1	18.8	18.8	91.8	91.8	6.4	6.1	2.1	6.6	4	3	86	88	<0.2	1.3	<0.2	1.3						
					Middle	4.0	0.3	194	28.5	28.5	8.1	8.1	23.4	23.4	84.1	84.1	5.7	5.7	3.4	4.1	4	4	89	89	<0.2	1.4	<0.2	1.4	<0.2	1.2	<0.2	1.2		
						4.0	0.3	196	28.5	28.5	8.1	8.1	23.4	23.4	84.0	84.0	5.7	5.7	3.4	4.1	3	4	89	89	<0.2	1.2	<0.2	1.2	<0.2	1.2				
					Bottom	7.0	0.4	220	26.9	26.9	8.1	8.1	30.9	30.9	69.0	69.0	4.6	4.6	14.5	14.5	2	2	89	89	<0.2	1.2	<0.2	1.2	<0.2	1.3	<0.2	1.3		
						7.0	0.4	240	26.9	26.9	8.1	8.1	30.9	30.9	69.1	69.1	4.6	4.6	14.6	14.6	2	2	89	89	<0.2	1.2	<0.2	1.2	<0.2	1.3	<0.2	1.3		
C2	Cloudy	Moderate	08:56	11.2	Surface	1.0	1.0	162	29.7	29.7	8.2	8.2	16.0	16.0	88.0	87.9	6.1	5.8	5.8	6.1	3	3	86	89	825700	806941	<0.2	2.0	<0.2	2.0				
						1.0	1.1	169	29.7	29.7	8.2	8.2	16.0	16.0	87.8	87.8	6.1	5.8	5.9	6.1	3	4	86	88	<0.2	2.0	<0.2	2.0						
					Middle	5.6	0.6	173	29.4	29.4	8.1	8.1	21.7	21.8	80.8	80.7	5.5	5.5	4.4	4.4	3	3	88	89	<0.2	2.3	<0.2	2.3	<0.2	2.1	<0.2	2.1		
						5.6	0.6	181	29.4	29.4	8.1	8.1	21.8	21.8	80.6	80.6	5.5	5.5	4.4	4.4	4	4	89	91	<0.2	2.1	<0.2	2.1	<0.2	2.1				
					Bottom	10.2	0.4	166	28.7	28.7	8.0	8.0	25.4	25.4	70.9	71.0	4.8	4.8	8.1	8.1	5	5	91	91	<0.2	2.1	<0.2	2.1	<0.2	2.1	<0.2	2.1		
						10.2	0.5	174	28.7	28.7	8.0	8.0	25.5	25.5	71.0	71.0	4.8	4.8	8.2	8.2	4	4	91	91	<0.2	2.1	<0.2	2.1	<0.2	2.1	<0.2	2.1		
C3	Cloudy	Moderate	06:46	12.3	Surface	1.0	0.3	69	29.2	29.2	8.2	8.2	21.8	21.8	86.9	86.9	5.9	5.9	3.9	4.1	3	2	85	87	822127	817823	<0.2	1.6	<0.2	1.6				
						1.0	0.3	72	29.2	29.2	8.2	8.2	21.8	21.8	86.8	86.8	5.9	5.9	3.9	4.1	2	2	84	87	<0.2	1.5	<0.2	1.5						
					Middle	6.2	0.3	69	29.0	29.0	8.2	8.2	23.5	23.4	85.2	85.2	5.8	5.8	3.1	3.1	2	2	87	87	<0.2	1.3	<0.2	1.3	<0.2	1.3	<0.2	1.3		
						6.2	0.3	70	29.0	29.0	8.2	8.2	23.4	23.4	85.2	85.2	5.8	5.8	3.1	3.1	3	3	87	90	<0.2	1.3	<0.2	1.3	<0.2	1.3				
					Bottom	11.3	0.1	339	27.8	27.8	8.2	8.1	29.4	29.4	75.2	75.4	5.0	5.0	5.5	5.4	2	2	90	89	<0.2	1.5	<0.2	1.5	<0.2	1.3	<0.2	1.3		
						11.3	0.1	344	27.8	27.8	8.1	8.1	29.3	29.3	75.6	75.6	5.0	5.0	5.4	5.4	2	2	89	89	<0.2	1.3	<0.2	1.3	<0.2	1.3				
IM1	Cloudy	Moderate	07:46	5.0	Surface	1.0	0.0	139	29.1	29.1	8.1	8.1	19.1	19.1	86.1	86.0	5.9	5.9	6.2	8.2	3	3	84	85	817938	807109	<0.2	1.3	<0.2	1.2				
						1.0	0.0	151	29.1	29.1	8.1	8.1	19.1	19.1	85.9	85.9	5.9	5.9	6.5	8.2	4	3	85	85	<0.2	1.2	<0.2	1.2						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.0	0.1	272	28.2	28.2	8.0	8.0	26.7	26.7	72.4	72.5	4.9	4.9	10.1	10.1	3	3	89	89	<0.2	1.2	<0.2	1.2	<0.2	1.2	<0.2	1.2		
						4.0	0.1	289	28.2	28.2	8.0	8.0	26.6	26.6	72.6	72.6	4.9	4.9	9.9	9.9	3	3	89	89	<0.2	1.2	<0.2	1.2	<0.2	1.2				
IM2	Cloudy	Moderate	07:54	6.9	Surface	1.0	0.1	193	29.2	29.2	8.1	8.1	19.0	19.0	87.3	87.2	6.0	5.4	3.0	9.4	4	4	85	85	818141	806185	<0.2	1.3	<0.2	1.3				
						1.0	0.1	199	29.2	29.2	8.1	8.1	19.0	19.0	87.0	87.0	6.0	5.4	3.0	9.4	2	4	85	89	<0.2	1.3	<0.2	1.3						
					Middle	3.5	0.2	159	27.5	27.5	8.0	8.0	27.4	27.4	70.1	70.2	4.8	4.8	11.5	11.4	3	4	89	89	<0.2	1.3	<0.2	1.3	<0.2	1.3				
						3.5	0.2	171	27.5	27.5	8.0	8.0	27.4	27.4	70.2	70.2	4.8	4.8	11.4	11.4	4	4	89	90	<0.2	1.3	<0.2	1.3						
					Bottom	5.9	0.0	38	27.4	27.4	8.0	8.0	28.8	28.8	72.5	72.7	4.9	4.9	13.7	13.7	4	4	90	90	<0.2	1.3	<0.2	1.3	<0.2	1.2	<0.2	1.2		
						5.9	0.0	39	27.4	27.4	8.0	8.0	28.8	28.8	72.8	72.8	4.9	4.9	13.8	13.8	4	4	90	90	<0.2	1.2	<0.2	1.2						
IM3	Cloudy	Moderate	08:01	7.1	Surface	1.0	0.1	218	29.2	29.2	8.1	8.1	19.3	19.3	89.2	89.1	6.2	5.8	3.8	7.4	6	5	86	86	818785	805617	<0.2	1.3	<0.2	1.1				
						1.0	0.1	238	29.1	29.1	8.1	8.1	19.3	19.3	89.0	89.0	6.1	5.8	3.8	7.4	6	5	86	89	<0.2	1.1	<0.2	1.1						
					Middle	3.6	0.1	188	28.8	28.8	8.0	8.0	21.3	21.3	80.4	80.3	5.5	5.5	5.8	5.8	4	4	89	89	<0.2	1.3	<0.2	1.3	<0.2	1.2	<0.2	1.2		
						3.6	0.1	204	28.8	28.8	8.0	8.0	21.3	21.3	80.1	80.1	5.5	5.5	5.8	5.8	5	5	89	90	<0.2	1.2	<0.2	1.2						
					Bottom	6.1	0.2	145	27.2	27.2	8.0	8.0	29.5	29.5	74.4	74.9	5.0	5.1	12.9	12.7	5	4	90	91	<0.2	1.3	<0.2	1.3	<0.2	1.3				
						6.1	0.2	147	27.2	27.2	8.0	8.0	29.5	29.5	75.3	75.3	5.1	5.1	12.7	12.7	4	4	91	91	<0.2	1.3	<0.2	1.3						
IM4	Cloudy	Moderate	08:10	8.2	Surface	1.0	0.9	189	29.2	29.2	8.0	8.0	18.0	18.0	84.9	84.9	5.9	5.7	4.7	11.0	4	4	86	87	819701	804624	<0.2	1.3	<0.2	1.3				
						1.0	1.0	196	29.2	29.2	8.0	8.0	18.0	18.0	84.9	84.9	5.9	5.7	4.7	11.0	4	4	87	89	<0.2	1.3	<0.2	1.3						
					Middle	4.1	0.7	170	28.9	28.9	8.0	8.0	20.9	20.9	78.8	78.8	5.4	5.4	13.2	13.3	4	4	89	90	<0.2	1.3	<0.2	1.3	<0.2	1.3				
						4.1	0.8	173	28.8	28.8	8.0	8.0	20.9	20.9	78.8	78.8	5.4	5.4	13.3	13.3	4	4	90	90	<0.2	1.3	<0.2	1.3						
					Bottom	7.2	0.4	127	27.7	27.7	8.0	8.0	27.0	27.0	71.1	71.3	4.8	4.8	15.2	15.2	3	3	90	91	<0.2	1.4	<0.2	1.4						
						7.2	0.4	128	27.7	27.7	8.0	8.0	27.0	27.0	71.5	71.5	4.8	4.8	15.2	15.2	3	3	91	91	<0.2	1.4	<0.2	1.4						
IM5	Cloudy	Moderate	08:21	7.5	Surface	1.0	0.7	200	29.3	29.3	8.0	8.0	17.1	17.2	87.1	87.1	6.1	6.0	4.6	6.0	5	4	85	85	820741	804886	<0.2	1.5	<0.2	1.5				
						1.0	0.8	208	29.2	29.2	8.0	8.0	17.2	17.2	87.0	87.0	6.1	6.0	4.6	6.0	4	4	85	89	<0.2	1.5	<0.2	1.5						
					Middle	3.8	0.6	203	29.2	29.2	8.0	8.0	19.2	19.2	85.9	85.9	5.9	5.9	5.2	5.2	4	4	89	89	<0.2	1.4	<0.2	1.4	<0.2	1.6	<0.2	1.6		
						3.8	0.6	219	29.2	29.2	8.0	8.0	19.2	19.2	85.9	85.9	5.9	5.9	5.2	5.2	5	4	89	90	<0.2	1.6	<0.2	1.6						
					Bottom	6.5	0.5	195	29.1	29.1	8.0	8.0	19.4	19.4	88.6	88.6	6.1																	

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

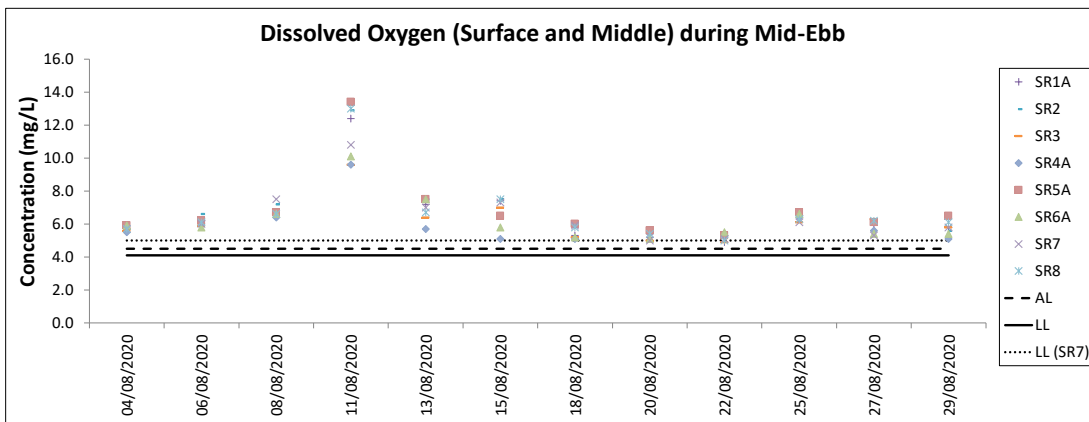
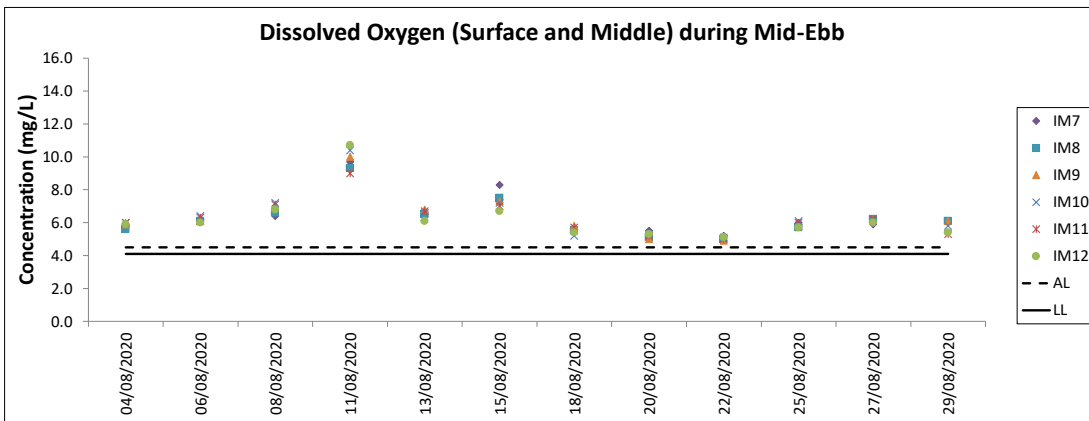
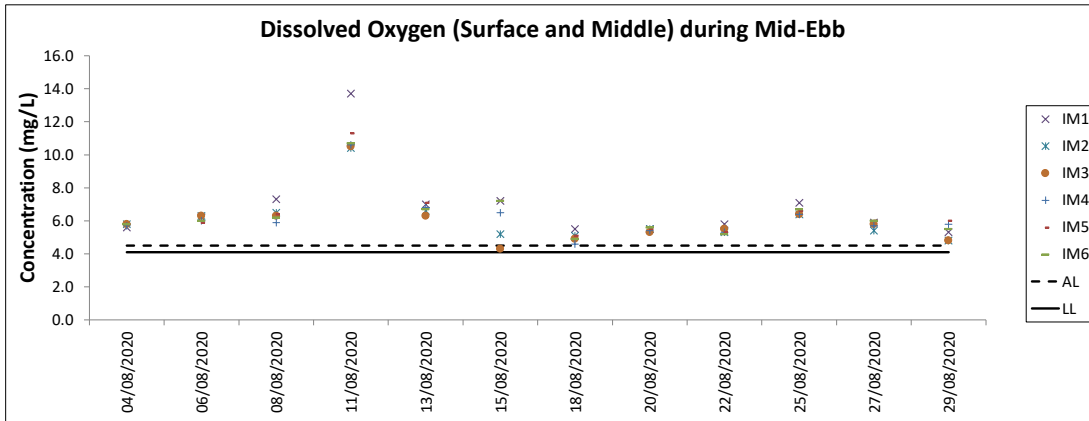
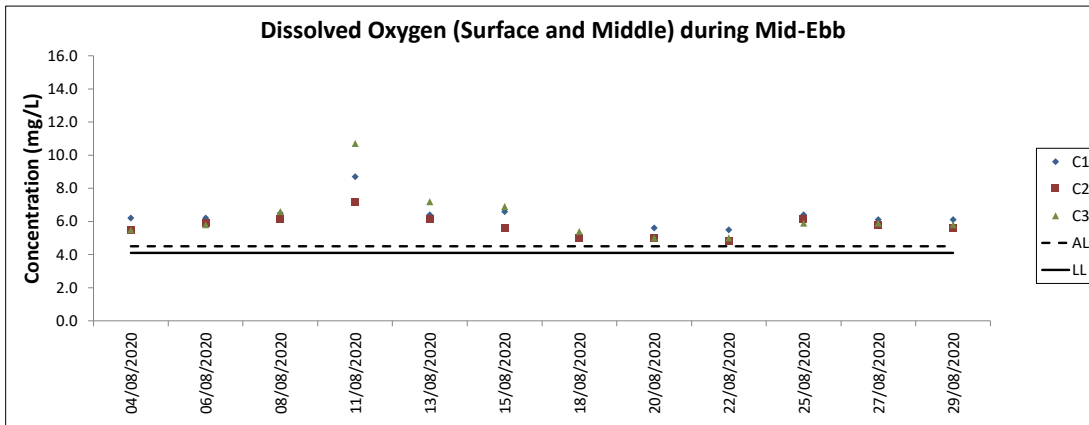
Water Quality Monitoring Results on 29 August 20 during Mid-Ebb Tide

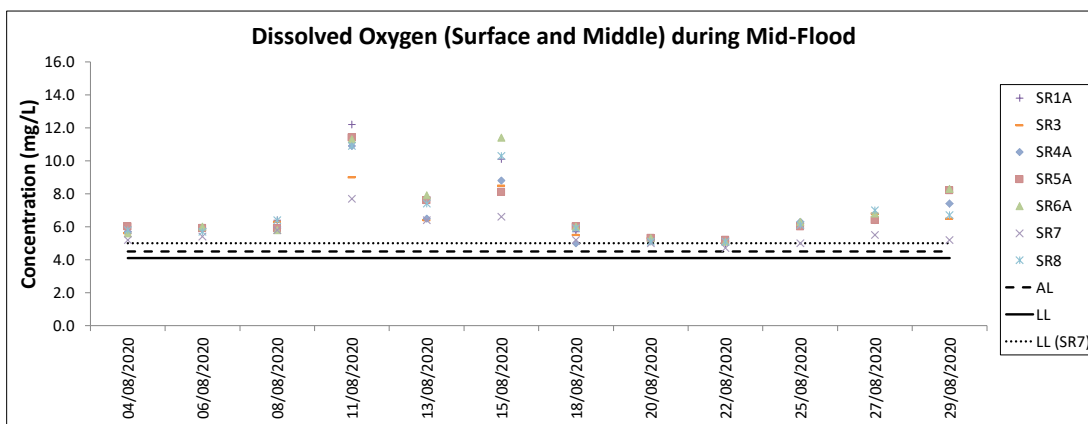
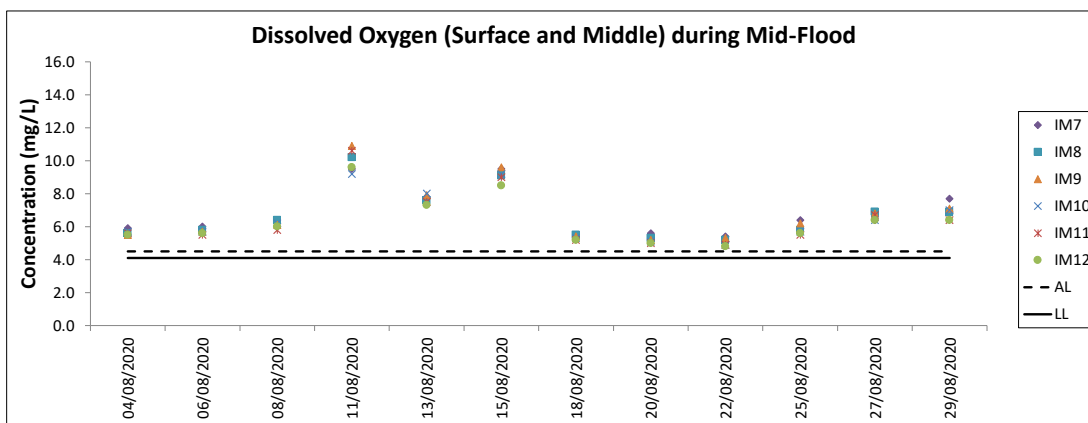
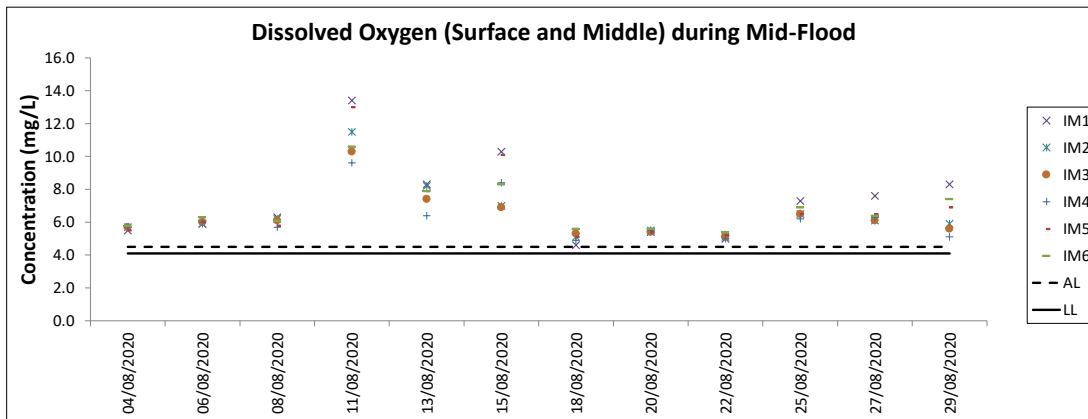
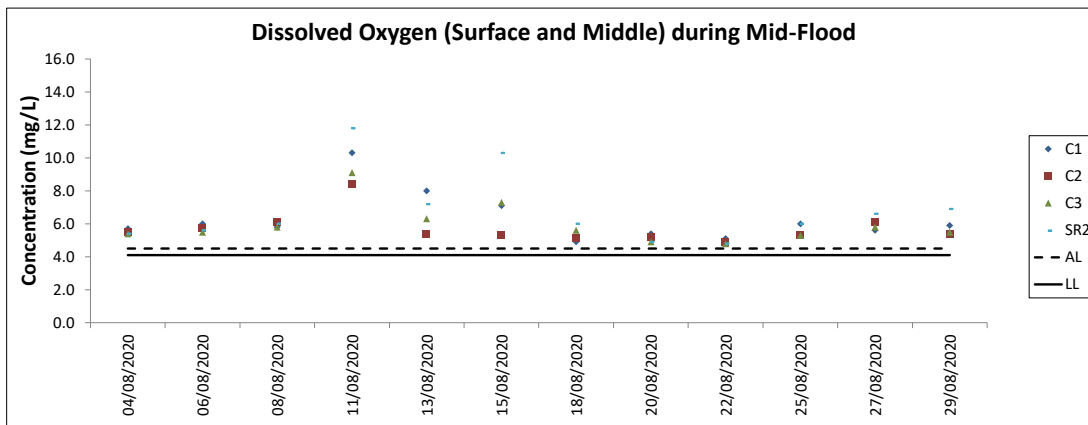
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	10:01	8.4	Surface	1.0	0.7	180	29.3	29.3	8.0	8.0	19.0	19.0	93.7	93.6	6.5		4.3		4		85		88		815634	804240	<0.2	1.5	1.5	1.5		
						1.0	0.7	197	29.3	29.3	8.0	8.0	19.0	19.0	93.5	93.6	6.5	6.1	4.3		3		86		87		88		<0.2	1.5	1.5	1.5		
						4.2	0.4	214	28.9	28.9	8.0	8.0	24.4	24.4	82.6	82.7	5.6	6.1	4.7		4		87		88		89		<0.2	1.5	1.5	1.5		
					4.2	0.4	234	28.9	28.9	8.0	8.0	24.4	24.4	82.8	82.7	5.6	6.1	4.7		3		88		89		90		<0.2	1.5	1.5	1.5			
					7.4	0.3	227	27.5	27.5	8.0	8.0	30.6	30.6	65.1	65.3	4.3	4.4	9.9		2		90		91		92		<0.2	1.4	1.4	1.4			
					7.4	0.4	231	27.5	27.5	8.0	8.0	30.6	30.6	65.4	65.4	4.4	4.4	9.9		2		89		90		91		<0.2	1.5	1.5	1.5			
C2	Sunny	Moderate	11:25	11.3	Surface	1.0	1.0	159	29.7	29.7	8.0	8.0	15.6	15.6	94.1	94.1	6.6		2.9		<2		84		85		825683	806955	<0.2	1.6	1.6	1.6		
						1.0	1.1	159	29.7	29.7	8.0	8.0	15.6	15.6	94.0	94.0	6.6	5.6	2.9		<2		85		86		87		<0.2	1.5	1.5	1.5		
						5.7	0.8	161	28.2	28.2	7.9	7.9	25.9	25.9	66.7	66.7	4.5	4.2	2.7		2		87		88		89		<0.2	1.6	1.6	1.6		
					5.7	0.8	173	28.2	28.2	7.9	7.9	25.9	25.9	66.7	66.7	4.5	4.2	2.7		3		87		88		89		<0.2	1.6	1.6	1.6			
					10.3	0.5	152	27.6	27.6	7.9	7.9	27.7	27.7	62.6	62.7	4.2	4.2	8.2		3		88		89		90		<0.2	1.9	1.9	1.9			
					10.3	0.5	162	27.6	27.6	8.0	8.0	27.7	27.7	62.7	62.7	4.2	4.2	8.3		3		89		90		91		<0.2	1.8	1.8	1.8			
C3	Sunny	Moderate	09:14	12.9	Surface	1.0	0.3	86	29.1	29.1	8.0	8.0	20.6	20.7	89.3	89.2	6.1		1.2		<2		85		86		822087	817808	<0.2	1.4	1.4	1.4		
						1.0	0.3	89	29.0	29.0	8.0	8.0	20.7	20.7	89.1	89.1	6.1	5.8	1.2		<2		85		86		87		<0.2	1.4	1.4	1.4		
						6.5	0.2	107	28.2	28.2	8.0	8.0	24.9	24.9	79.3	79.3	5.4	5.1	1.6		3.1	<2		88		89		90		<0.2	1.5	1.5	1.5	
					6.5	0.2	117	28.1	28.1	8.0	8.0	24.9	24.9	79.2	79.2	5.4	5.1	1.7		3.1	<2		87		88		89		<0.2	1.3	1.3	1.3		
					11.9	0.3	71	27.1	27.1	8.0	8.0	29.5	29.4	69.6	69.7	4.7	4.7	6.7		4.7		89		90		91		<0.2	1.3	1.3	1.3			
					11.9	0.3	75	27.1	27.1	8.0	8.0	29.4	29.4	69.7	69.7	4.7	4.7	6.4		4.7		90		91		92		<0.2	1.3	1.3	1.3			
IM1	Cloudy	Moderate	10:25	4.4	Surface	1.0	0.1	186	28.3	28.3	8.0	8.0	24.5	24.6	78.6	78.3	5.3		5.7		2		87		88		817959	807109	<0.2	1.4	1.4	1.4		
						1.0	0.1	200	28.2	28.2	8.0	8.0	24.6	24.6	78.0	78.0	5.3	5.3	5.9		3		86		87		88		<0.2	1.4	1.4	1.4		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					3.4	0.1	148	27.9	27.9	8.0	8.0	29.1	29.1	64.1	64.2	4.3	4.3	7.5		3		88		89		90		<0.2	1.6	1.6	1.6			
					3.4	0.1	154	27.9	27.9	8.0	8.0	29.1	29.1	64.3	64.3	4.3	4.3	7.1		3		89		90		91		<0.2	1.6	1.6	1.6			
					1.0	0.1	247	28.2	28.2	8.1	8.1	24.0	24.0	78.7	78.3	5.4	5.3	7.2		4.8		86		87		88		818161	806188	<0.2	1.4	1.4	1.4	
IM2	Cloudy	Moderate	10:32	6.8	Surface	1.0	0.1	260	28.1	28.1	8.1	8.1	24.1	24.0	77.8	78.3	5.3		7.4		<2		85		86		818161	806188	<0.2	1.4	1.4	1.4		
						3.4	0.2	153	27.8	27.8	8.1	8.1	29.4	29.4	65.0	64.9	4.3	4.3	8.3		3		87		88		89		<0.2	1.5	1.5	1.5		
						3.4	0.2	164	27.8	27.8	8.1	8.1	29.4	29.4	64.8	64.9	4.3	4.3	8.2		2		88		89		90		<0.2	1.5	1.5	1.5		
					5.8	0.1	95	27.6	27.6	8.1	8.1	30.2	30.2	64.9	65.1	4.3	4.3	10.5		2		89		90		91		<0.2	1.4	1.4	1.4			
					5.8	0.1	96	27.6	27.6	8.1	8.1	30.2	30.2	65.2	65.1	4.3	4.3	10.1		2		89		90		91		<0.2	1.5	1.5	1.5			
					1.0	0.1	259	28.5	28.5	8.1	8.1	25.2	25.2	76.3	76.2	5.2	5.1	6.2		2		85		86		87		818764	805593	<0.2	1.2	1.2	1.2	
IM3	Cloudy	Moderate	10:39	7.0	Surface	1.0	0.1	276	28.4	28.4	8.1	8.1	25.3	25.2	76.0	76.2	5.1		6.4		2		85		86		818764	805593	<0.2	1.2	1.2	1.2		
						3.5	0.1	214	27.9	27.9	8.1	8.1	28.2	28.2	66.7	66.6	4.5	4.8	9.7		4		87		88		89		<0.2	1.3	1.3	1.3		
						3.5	0.1	231	27.9	27.9	8.1	8.1	28.2	28.2	66.4	66.6	4.5	4.8	9.4		3		87		88		89		<0.2	1.2	1.2	1.2		
					6.0	0.1	112	27.6	27.6	8.0	8.0	30.6	30.6	66.3	66.5	4.4	4.4	9.6		3		89		90		91		<0.2	1.2	1.2	1.2			
					6.0	0.1	116	27.6	27.6	8.0	8.0	30.6	30.6	66.6	66.5	4.4	4.4	9.6		4		89		90		91		<0.2	1.2	1.2	1.2			
					1.0	1.0	204	29.7	29.7	8.1	8.1	18.1	18.1	94.4	94.3	6.5	6.4	4.5		<2		85		86		87		819740	804601	<0.2	1.6	1.6	1.6	
IM4	Cloudy	Moderate	10:49	7.6	Surface	1.0	1.0	205	29.7	29.7	8.1	8.1	18.1	18.1	94.1	94.3	6.5		4.5		<2		85		86		819740	804601	<0.2	1.5	1.5	1.5		
						3.8	0.8	201	28.4	28.4	8.1	8.1	24.8	24.8	75.3	75.3	5.1	5.8	12.1		2		87		88		89		<0.2	1.6	1.6	1.6		
						3.8	0.8	210	28.3	28.3	8.1	8.1	24.8	24.8	75.3	75.3	5.1	5.8	12.5		3		87		88		89		<0.2	1.6	1.6	1.6		
					6.6	0.4	173	28.0	28.0	8.1	8.1	28.2	28.2	68.7	68.9	4.6	4.6	15.4		3		90		91		92		<0.2	1.6	1.6	1.6			
					6.6	0.4	185	28.0	28.0	8.1	8.1	28.2	28.2	69.1	68.9	4.6	4.6	15.2		2		89		90		91		<0.2	1.5	1.5	1.5			
					1.0	0.9	208	29.5	29.5	8.1	8.1	18.5	18.5	93.5	93.4	6.4	6.4	4.5		<2		85		86		87		820751	804864	<0.2	1.6	1.6	1.6	
IM5	Cloudy	Moderate	11:00	7.2	Surface	1.0	0.9	218	29.5	29.5	8.1	8.1	18.4	18.5	93.2	93.4	6.4		4.5		<2		86		87		820751	804864	<0.2	1.6	1.6	1.6		
						3.6	0.8	220	28.8	28.8	8.1	8.1	22.4	22.5	80.1	80.0	5.5	6.0	4.5		5.3	<2		88		89		90		<0.2	1.5	1.5	1.5	
						3.6	0.8	232	28.7	28.7	8.1	8.1	22.5	22.5	79.8	80.0	5.5	6.0	4.5		5.3	<2		87		88		89		<0.2	1.6	1.6	1.6	
					6.2	0.4	209	28.3	28.3	8.1	8.1	27.2	27.2	71.2	71.4	4.8	4.8	7.0		2		89		90		91		<0.2	1.6	1.6	1.6			
					6.2	0.4	226	28.3	28.3	8.1	8.1	27.2	27.2	71.5	71.4	4.8	4.8	7.0		2		89		90		91		<0.2						

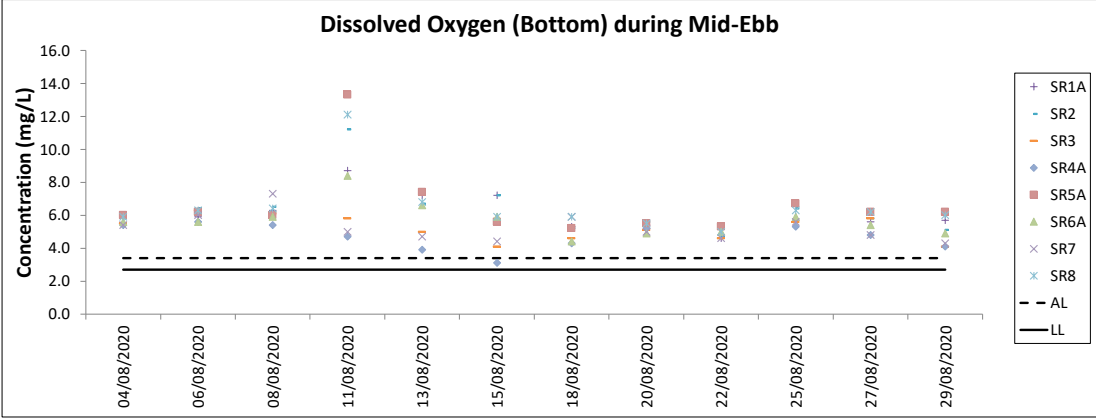
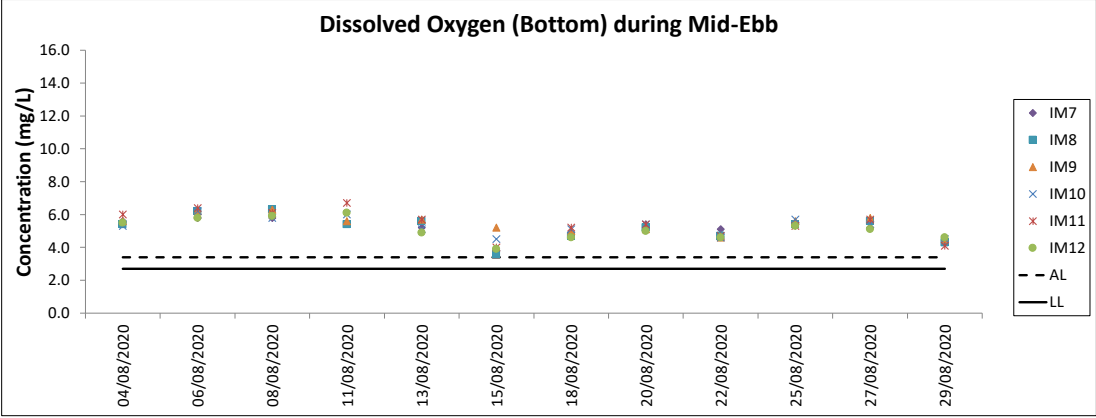
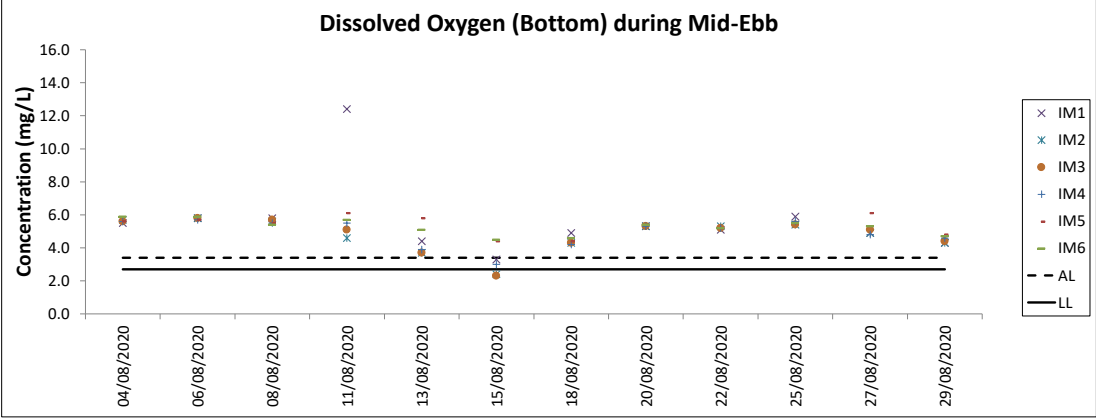
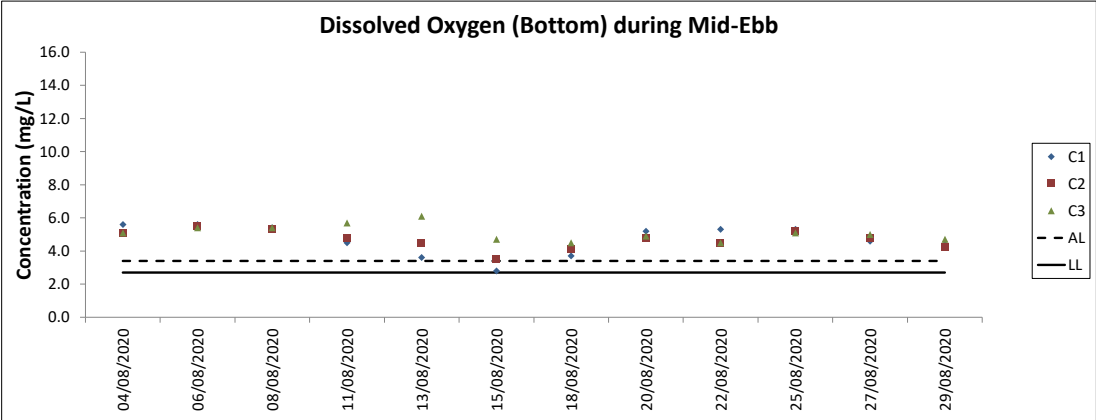
**Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring**

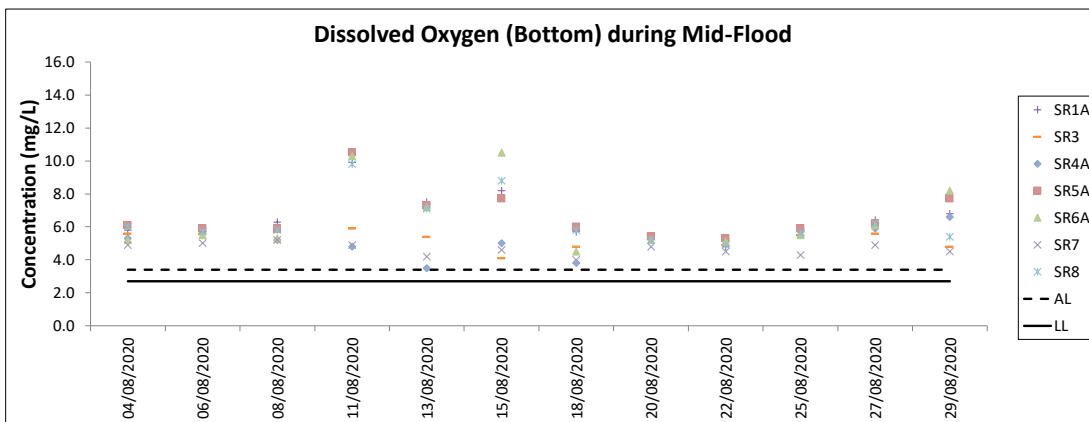
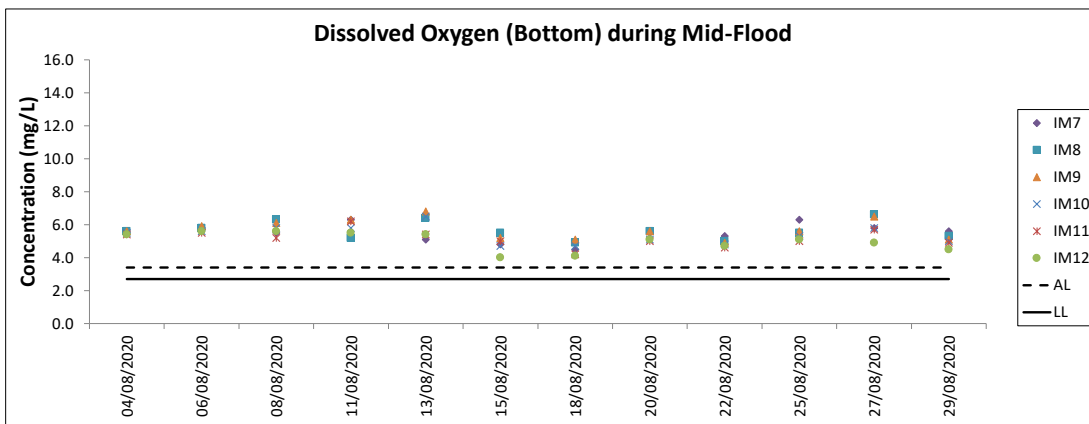
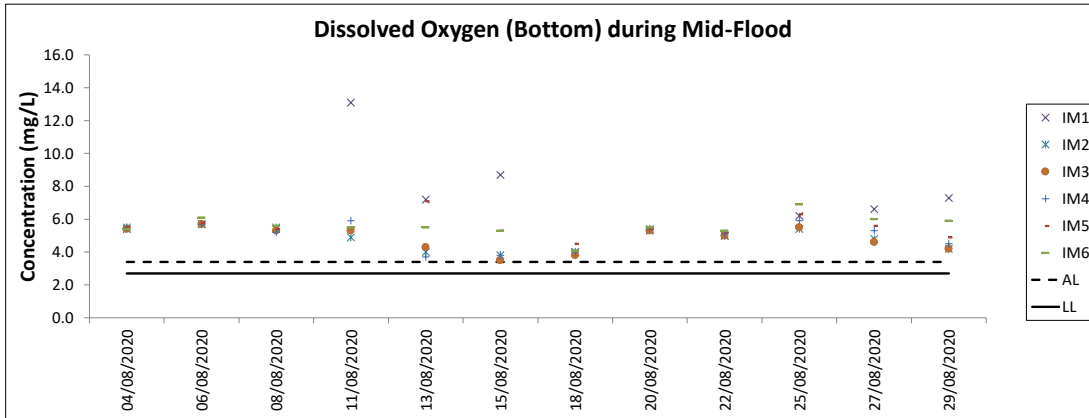
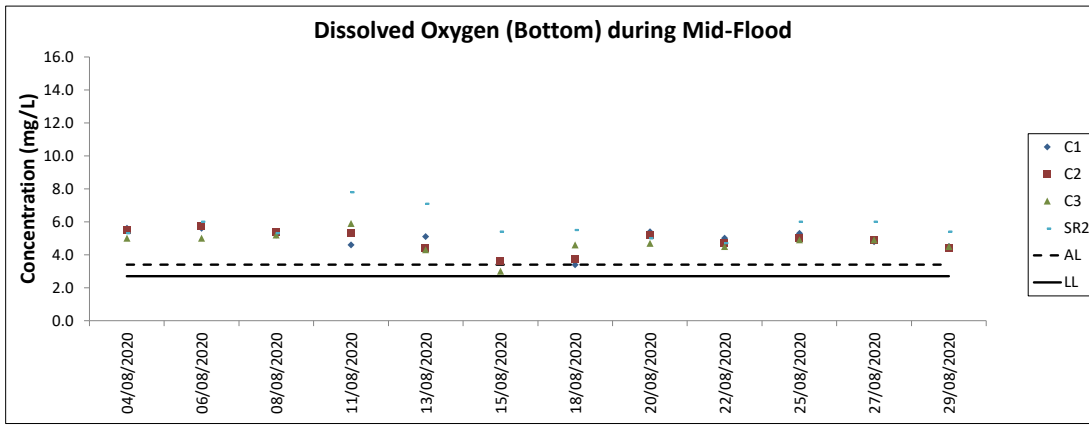
Water Quality Monitoring Results on 29 August 20 during Mid-Ebb Tide

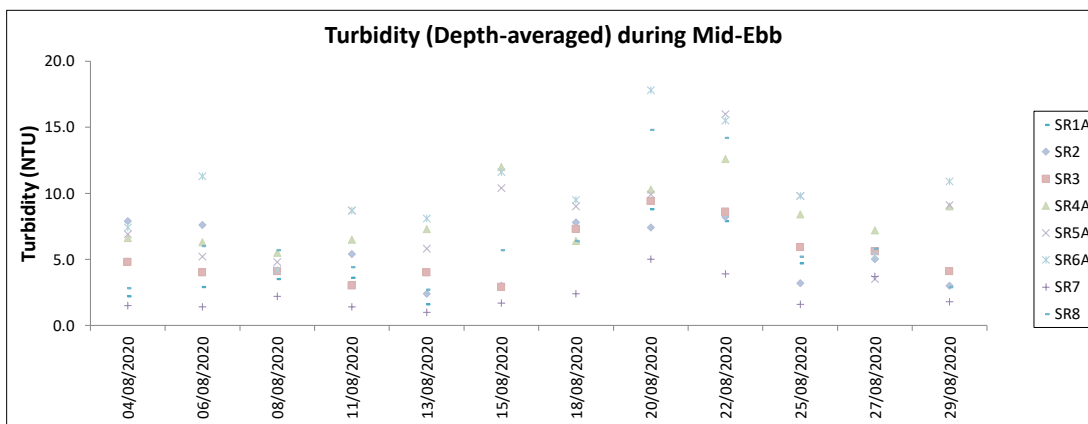
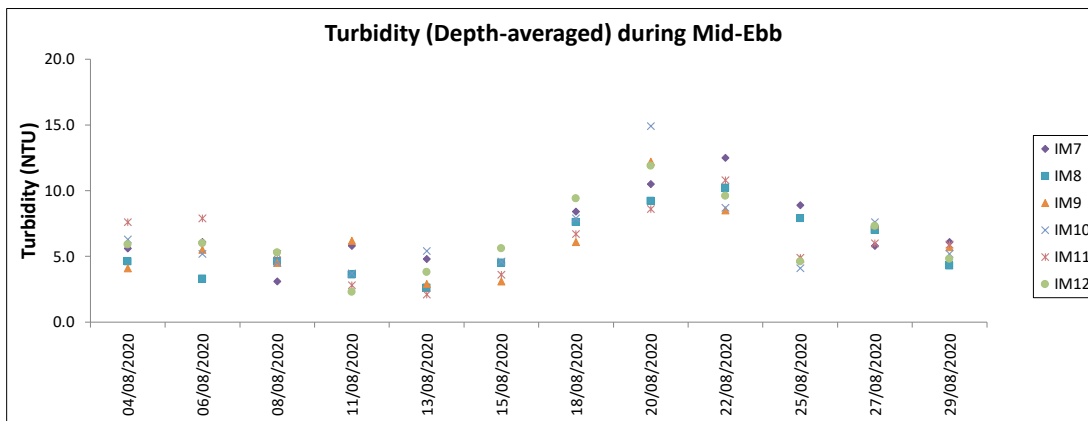
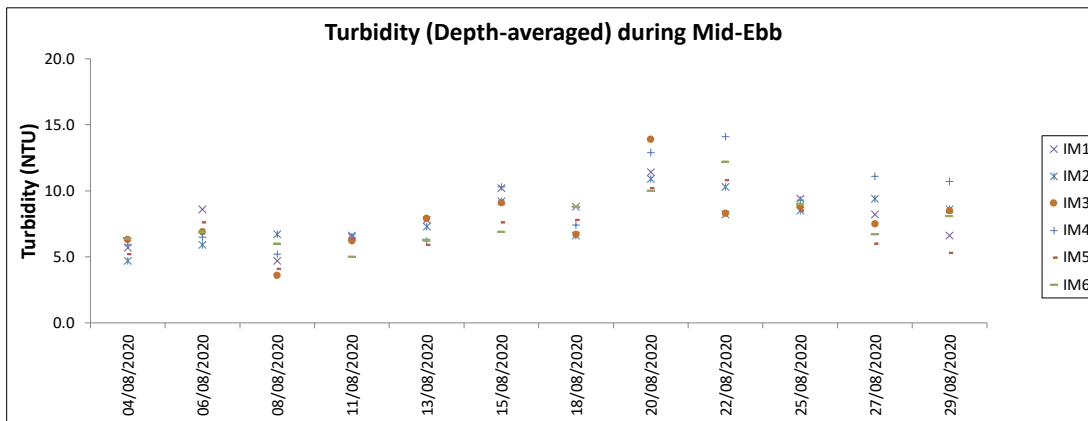
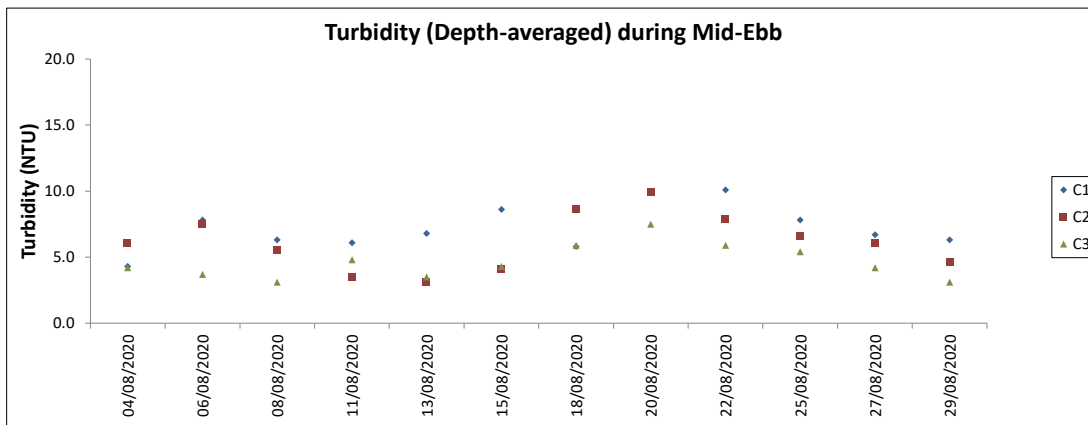
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Sunny	Moderate	10:45	7.0	Surface	1.0	0.4	165	29.4	29.4	8.0	8.0	17.3	17.3	91.5	91.5	6.4	6.4	4.3	2	85	85	86	822115	808818	<0.2	1.6	1.5	1.5				
						1.0	0.4	169	29.4	29.4	8.0	8.0	17.3	17.3	91.5	91.5	6.4	6.4	4.3	2	84	84	86	822115	808818	<0.2	1.4	1.5	1.5				
					Middle	3.5	0.3	152	29.2	29.2	8.0	8.0	19.2	19.2	85.1	85.0	5.9	5.9	2.3	2	87	87	87	822115	808818	<0.2	1.4	1.5	1.5	1.5			
						3.5	0.3	154	29.2	29.2	8.0	8.0	19.2	19.2	84.8	84.8	5.8	5.8	2.3	2	87	87	87	822115	808818	<0.2	1.4	1.5	1.5	1.5			
					Bottom	6.0	0.2	105	28.3	28.3	8.0	8.0	25.0	25.0	66.9	67.0	4.5	4.5	10.9	4.5	88	88	88	822115	808818	<0.2	1.4	1.5	1.5	1.5			
						6.0	0.2	114	28.3	28.3	8.0	8.0	25.0	25.0	67.0	67.0	4.5	4.5	10.3	4.5	88	88	88	822115	808818	<0.2	1.4	1.5	1.5	1.5			
IM10	Sunny	Moderate	10:36	7.3	Surface	1.0	0.6	101	29.3	29.3	8.0	8.0	18.7	18.7	87.3	87.3	6.0	6.0	2.2	2	85	85	86	822365	809778	<0.2	1.6	1.5	1.5				
						1.0	0.6	110	29.3	29.3	8.0	8.0	18.7	18.7	87.3	87.3	6.0	6.0	2.2	2	85	85	86	822365	809778	<0.2	1.4	1.5	1.5				
					Middle	3.7	0.5	101	29.1	29.1	8.0	8.0	20.0	20.0	80.6	80.6	5.5	5.5	2.6	2	86	86	86	822365	809778	<0.2	1.6	1.5	1.5	1.5			
						3.7	0.5	107	29.1	29.1	8.0	8.0	20.0	20.0	80.6	80.6	5.5	5.5	2.6	2	86	86	86	822365	809778	<0.2	1.6	1.5	1.5	1.5			
					Bottom	6.3	0.5	78	28.1	28.1	8.0	8.0	25.6	25.6	65.8	65.9	4.5	4.5	10.9	4.5	88	88	88	822365	809778	<0.2	1.6	1.5	1.5	1.5			
						6.3	0.6	85	28.1	28.1	8.0	8.0	25.6	25.6	65.9	65.9	4.5	4.5	10.8	4.5	89	89	89	822365	809778	<0.2	1.4	1.4	1.4	1.4			
IM11	Sunny	Moderate	10:21	8.1	Surface	1.0	0.6	131	29.2	29.2	8.0	8.0	20.0	20.0	83.3	83.3	5.7	5.7	2.5	2	84	84	85	822073	811454	<0.2	1.4	1.4	1.4				
						1.0	0.6	135	29.2	29.2	8.0	8.0	20.0	20.0	83.2	83.2	5.7	5.7	2.5	2	85	85	85	822073	811454	<0.2	1.4	1.4	1.4				
					Middle	4.1	0.6	124	28.6	28.6	8.0	8.0	23.8	23.7	71.3	71.4	4.8	4.8	4.1	3	87	87	87	822073	811454	<0.2	1.4	1.4	1.4				
						4.1	0.6	133	28.6	28.6	8.0	8.0	23.7	23.7	71.5	71.5	4.9	4.9	4.1	3	87	87	87	822073	811454	<0.2	1.4	1.4	1.4				
					Bottom	7.1	0.3	148	27.7	27.7	7.9	7.9	27.2	27.2	61.2	61.2	4.1	4.1	11.0	4.1	88	88	88	822073	811454	<0.2	1.4	1.4	1.4				
						7.1	0.3	152	27.7	27.7	7.9	7.9	27.2	27.2	61.2	61.2	4.1	4.1	11.0	4.1	89	89	89	822073	811454	<0.2	1.4	1.4	1.4				
IM12	Sunny	Moderate	10:13	9.4	Surface	1.0	0.5	83	29.4	29.4	8.0	8.0	19.3	19.3	88.5	88.5	6.1	6.1	2.0	2	85	85	85	821459	812062	<0.2	1.4	1.4	1.4				
						1.0	0.6	90	29.4	29.4	8.0	8.0	19.3	19.3	88.5	88.5	6.1	6.1	2.0	3	84	84	84	821459	812062	<0.2	1.3	1.3	1.3				
					Middle	4.7	0.5	69	28.5	28.5	7.9	7.9	23.5	23.5	67.9	67.9	4.6	4.6	5.1	3	87	87	87	821459	812062	<0.2	1.4	1.4	1.4				
						4.7	0.6	69	28.5	28.5	7.9	7.9	23.5	23.5	67.9	67.9	4.6	4.6	5.1	3	87	87	87	821459	812062	<0.2	1.4	1.4	1.4				
					Bottom	8.4	0.3	94	28.0	28.0	8.0	8.0	25.9	25.9	67.0	67.1	4.5	4.5	7.4	2	89	89	89	821459	812062	<0.2	1.4	1.4	1.4				
						8.4	0.3	98	28.0	28.0	8.0	8.0	25.9	25.9	67.2	67.2	4.6	4.6	7.3	2	88	88	88	821459	812062	<0.2	1.4	1.4	1.4				
SR1A	Sunny	Moderate	09:54	5.0	Surface	1.0	-	-	29.3	29.3	8.0	8.0	20.2	20.2	84.7	84.7	5.8	5.8	2.7	2	85	85	85	819981	812660	-	-	-	-				
						1.0	-	-	29.2	29.2	8.0	8.0	20.2	20.2	84.6	84.6	5.8	5.8	2.8	3	86	86	86	819981	812660	-	-	-	-				
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.0	-	-	29.2	29.2	8.0	8.0	20.5	20.5	82.5	82.5	5.7	5.7	3.1	3	87	87	87	819981	812660	-	-	-	-	-	-	-	
						4.0	-	-	29.2	29.2	8.0	8.0	20.5	20.5	82.4	82.4	5.6	5.6	3.1	2	88	88	88	819981	812660	-	-	-	-	-	-	-	
SR2	Sunny	Moderate	09:41	4.6	Surface	1.0	0.3	113	29.0	29.0	8.0	8.0	20.5	20.5	81.3	81.3	5.6	5.6	2.3	2	87	87	87	821449	814149	<0.2	1.5	1.5	1.5				
						1.0	0.3	117	29.0	29.0	8.0	8.0	20.5	20.5	81.3	81.3	5.6	5.6	2.4	3	87	87	87	821449	814149	<0.2	1.4	1.4	1.4				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.2	90	28.7	28.7	8.0	8.0	22.7	22.8	75.0	75.1	5.1	5.1	3.7	3	88	88	88	821449	814149	<0.2	1.4	1.4	1.4				
						3.6	0.2	93	28.7	28.7	8.0	8.0	22.8	22.8	75.1	75.1	5.1	5.1	3.7	4	88	88	88	821449	814149	<0.2	1.6	1.6	1.6				
SR3	Sunny	Moderate	10:59	8.9	Surface	1.0	0.4	179	30.1	30.1	8.0	8.0	15.3	15.4	92.2	92.1	6.4	6.4	2.7	2	85	85	85	822170	807589	-	-	-	-				
						1.0	0.4	196	30.1	30.1	8.0	8.0	15.4	15.4	91.9	91.9	6.4	6.4	2.7	3	86	86	86	822170	807589	-	-	-	-				
					Middle	4.5	0.3	198	28.9	28.9	8.0	8.0	21.1	21.1	75.9	75.7	5.2	5.2	2.5	3	87	87	87	822170	807589	-	-	-	-				
						4.5	0.3	216	28.9	28.9	8.0	8.0	21.1	21.1	75.5	75.5	5.2	5.2	2.5	2	87	87	87	822170	807589	-	-	-	-				
					Bottom	7.9	0.2	228	27.5	27.5	8.0	8.0	27.9	27.9	60.3	60.4	4.1	4.1	7.2	2	89	89	89	822170	807589	-	-	-	-				
						7.9	0.2	237	27.6	27.6	8.0	8.0	27.9	27.9	60.4	60.4	4.1	4.1	7.0	2	89	89	89	822170	807589	-	-	-	-				
SR4A	Cloudy	Moderate	09:40	9.0	Surface	1.0	0.0	257	29.1	29.1	8.0	8.0	21.8	21.9	87.9	87.8	6.0	6.0	5.0	4	86	86	86	817194	807831	-	-	-	-				
						1.0	0.0	275	29.1	29.1	8.0	8.0	21.9	21.9	87.6	87.6	6.0	6.0	5.0	3	86	86	86	817194	807831	-	-	-	-				
					Middle	4.5	0.1	82	27.9	27.9	8.0	8.0	28.9	29.0	61.6	61.5	4.1	4.1	9.8	4	87	87	87	817194	807831	-	-	-	-				
						4.5	0.2	85	27.8	27.8	8.0	8.0	29.0	29.0	61.4	61.4	4.1	4.1	10.1	3	87	87	87	817194	807831	-	-	-	-				
					Bottom	8.0	0.1	199	27.7	27.7	7.9	7.9	29.8	29.8	61.1	61.2	4.1	4.1	12.2	2	89	89	89	817194	807831	-	-	-	-				
						8.0	0.1	202	27.7	27.7	7.9	7.9	29.7	29.8	61.3	61.2	4.1	4.1	12.1	2	89	89	89	817194	807831	-	-	-	-				
SR5A	Cloudy	Moderate	09:23	3.3	Surface	1.0	0.1	7	29.7	29.7	8.0																						



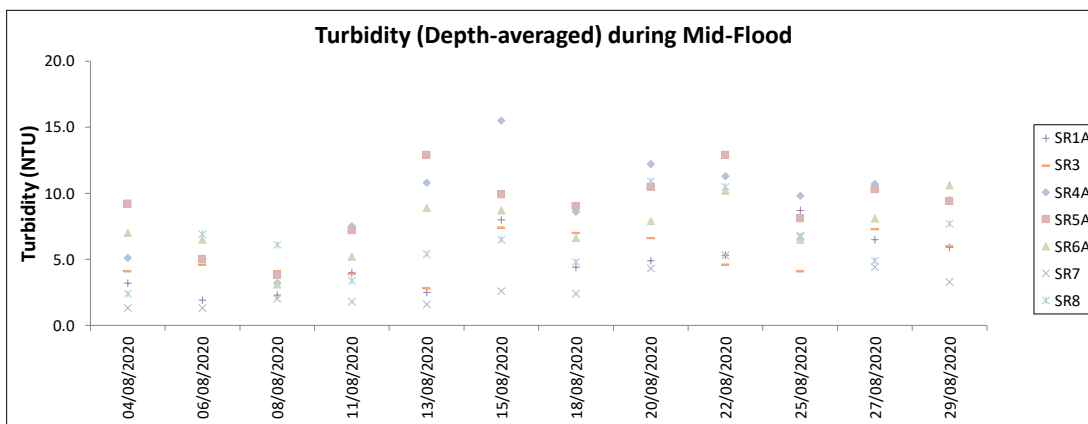
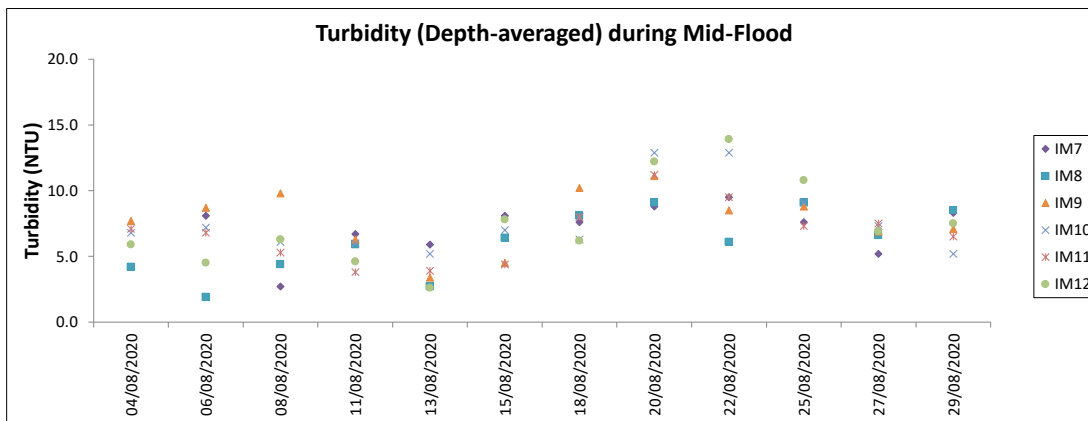
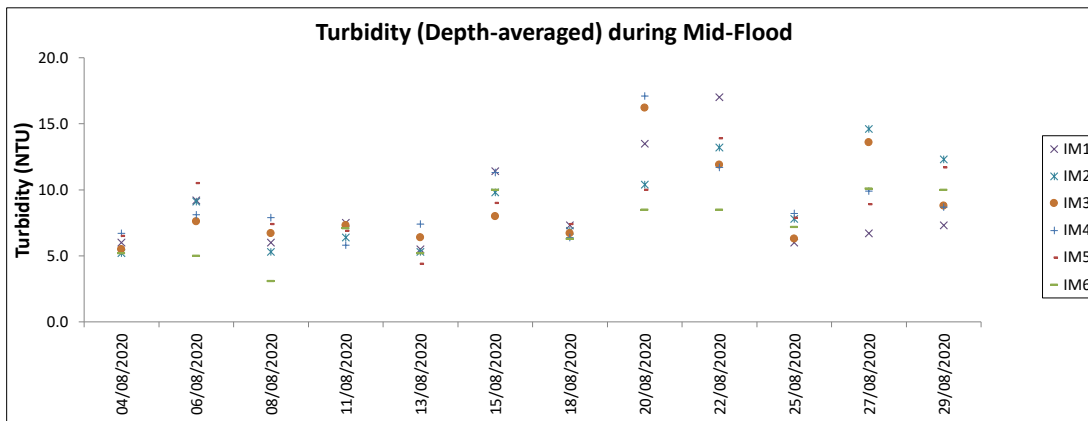
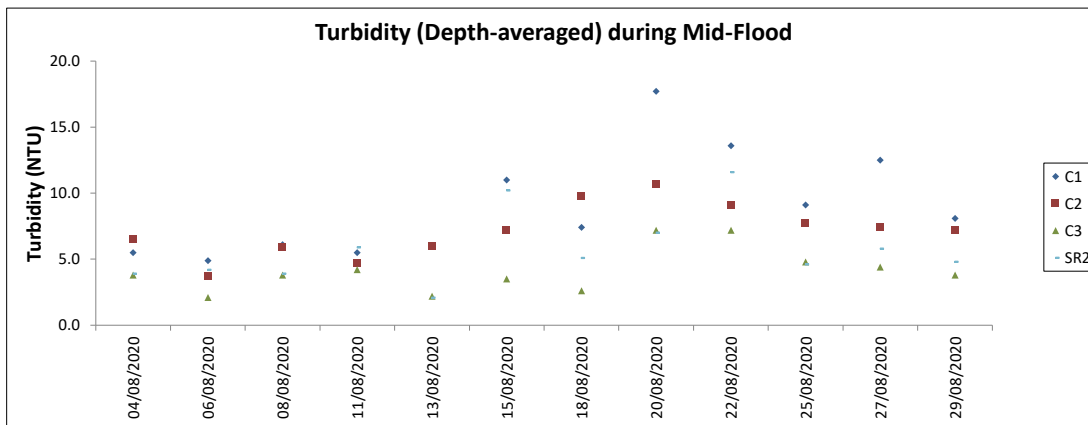




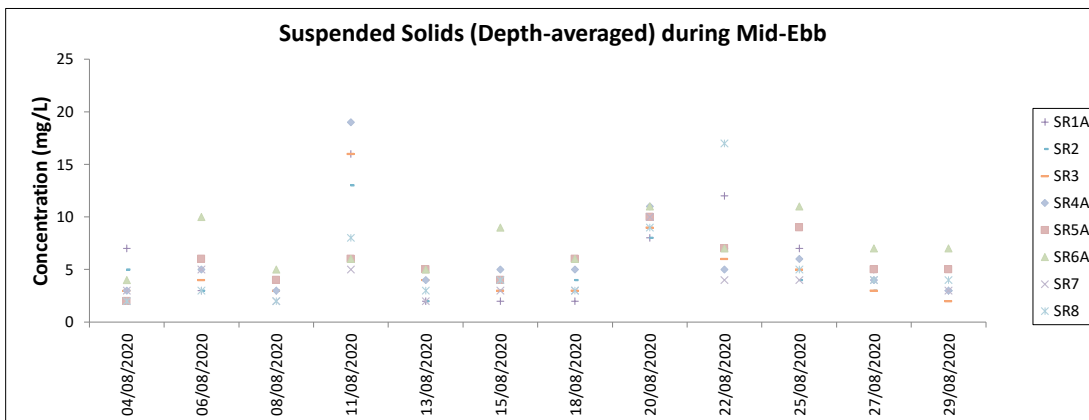
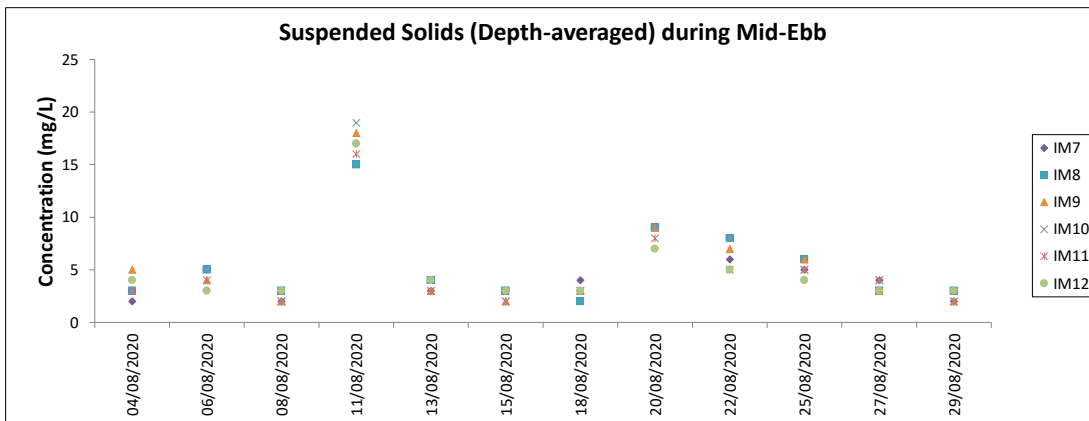
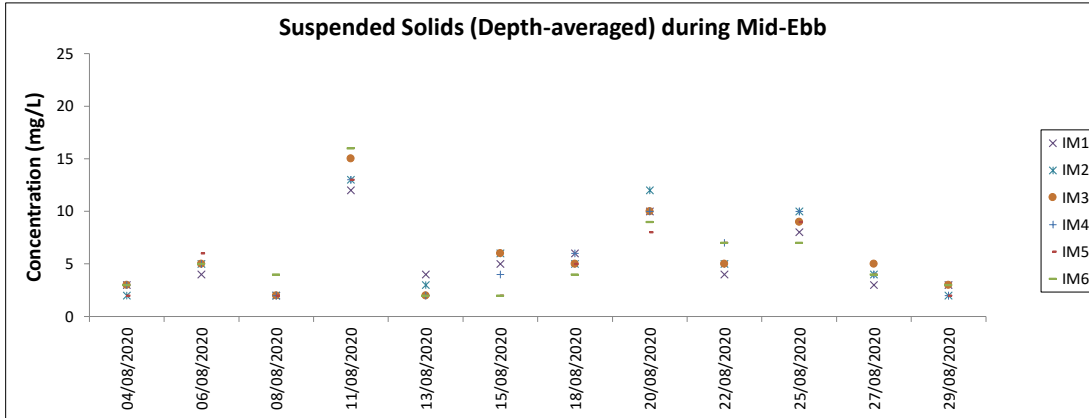
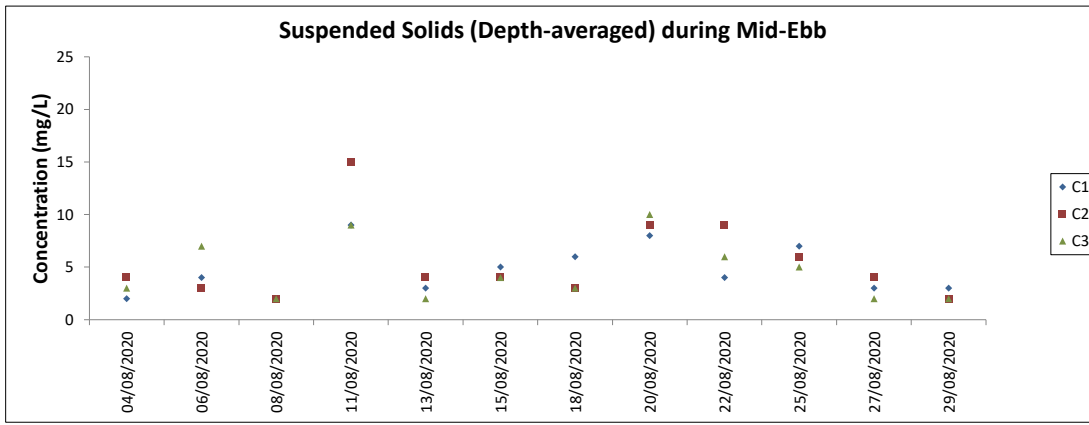




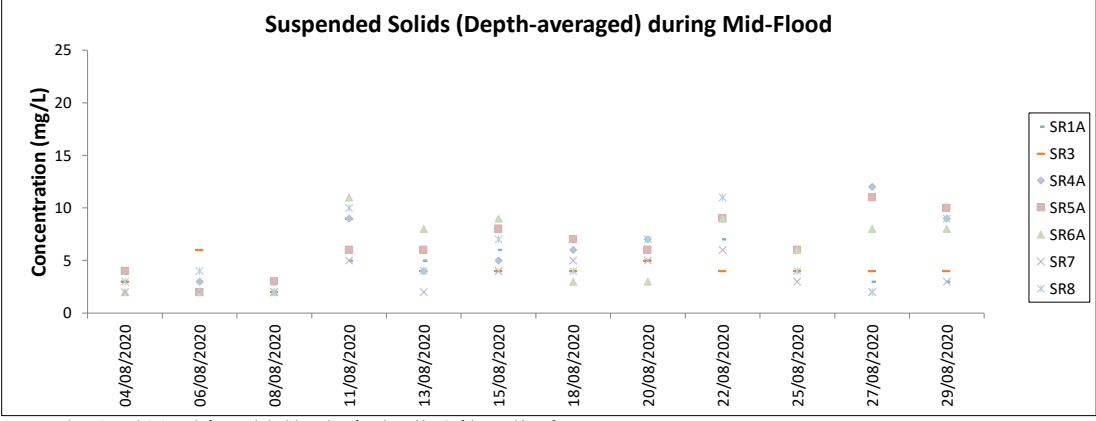
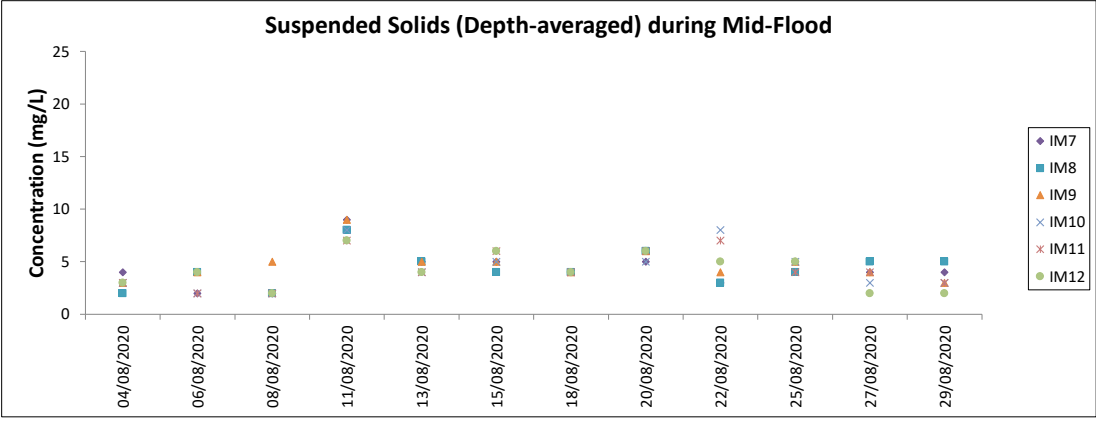
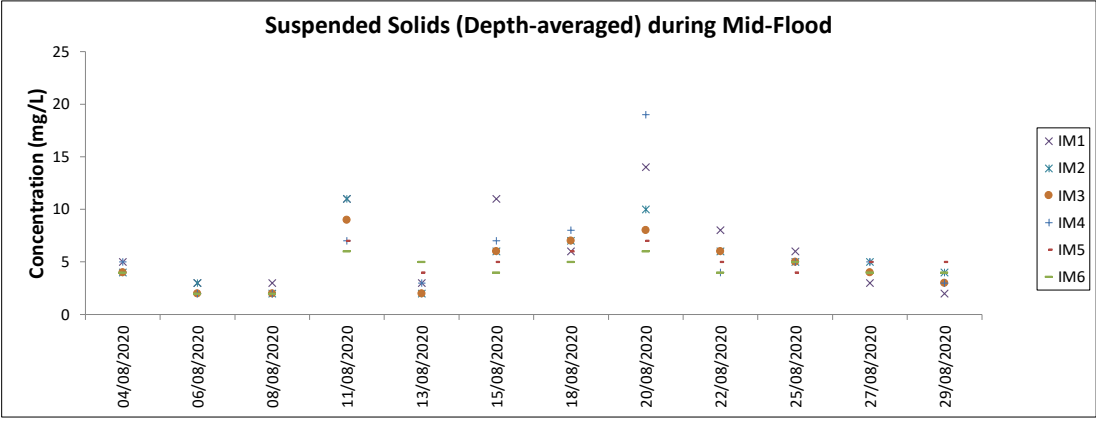
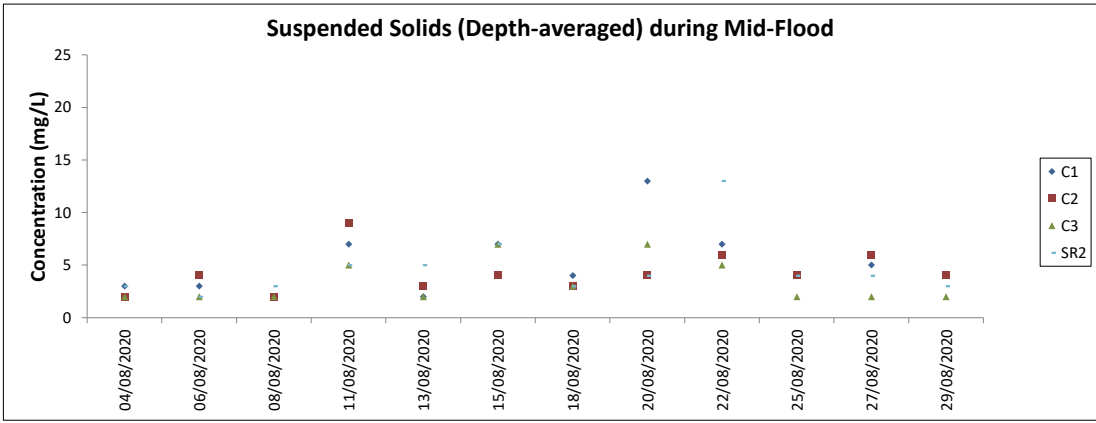
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



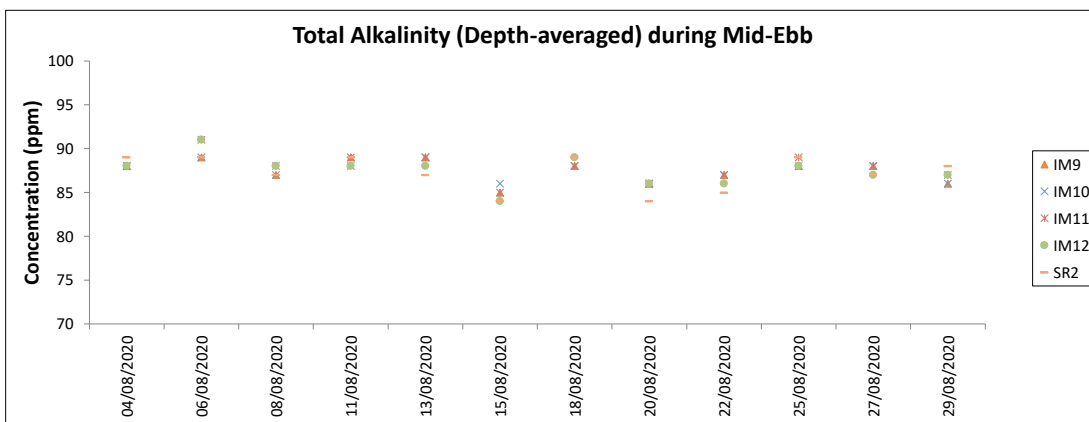
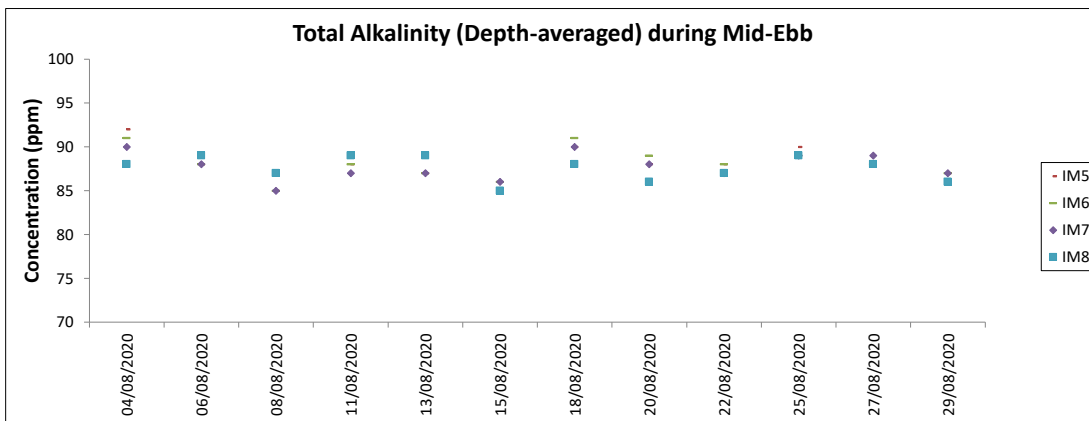
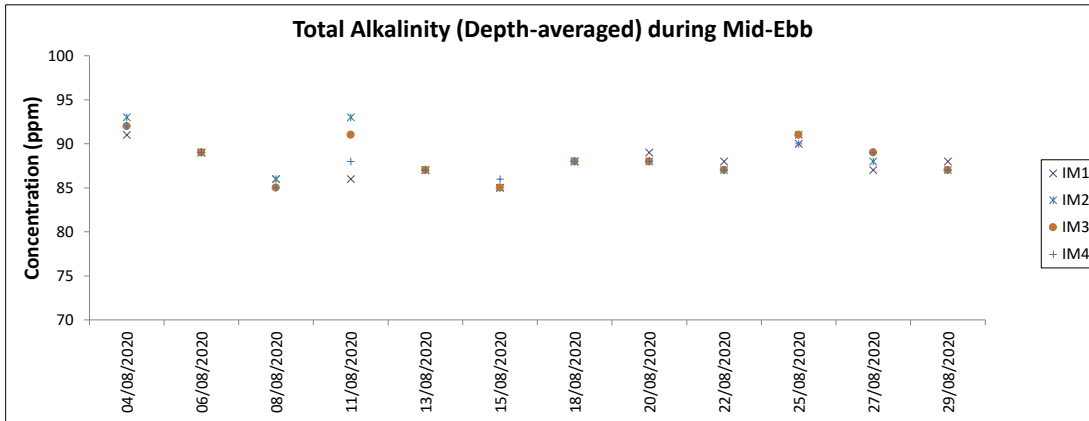
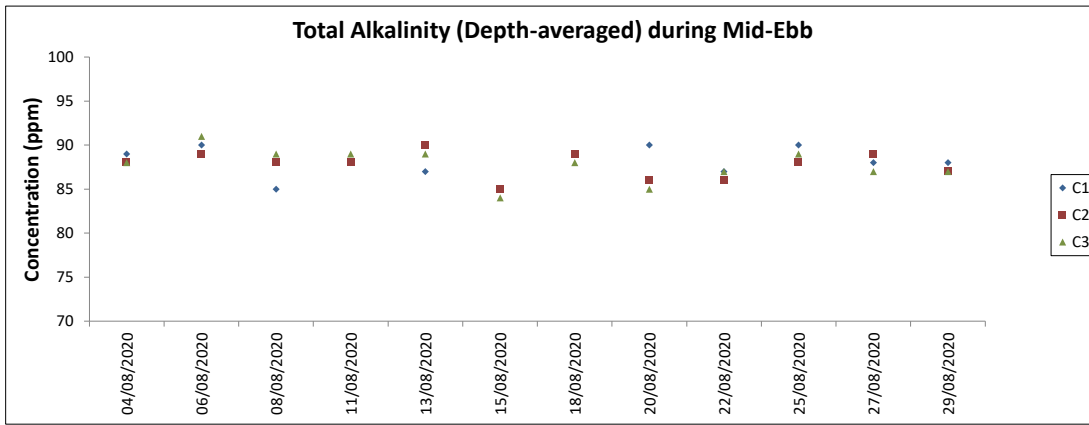
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



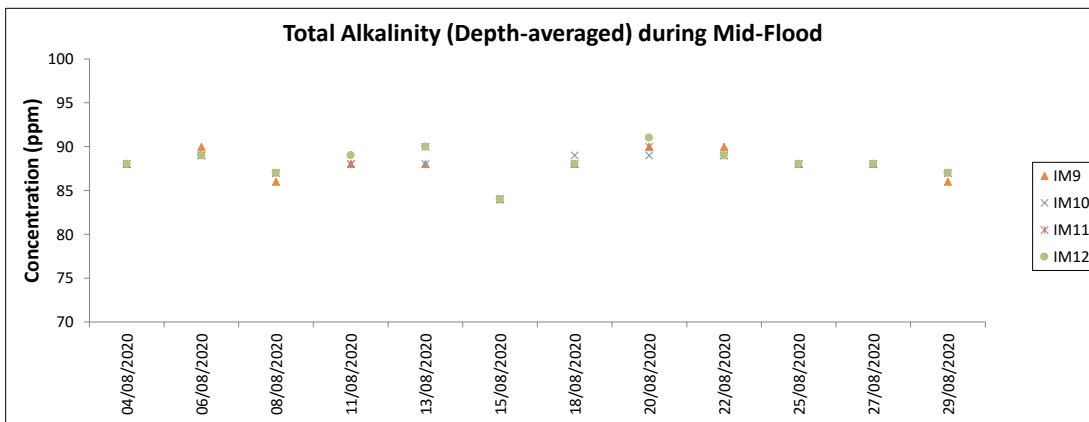
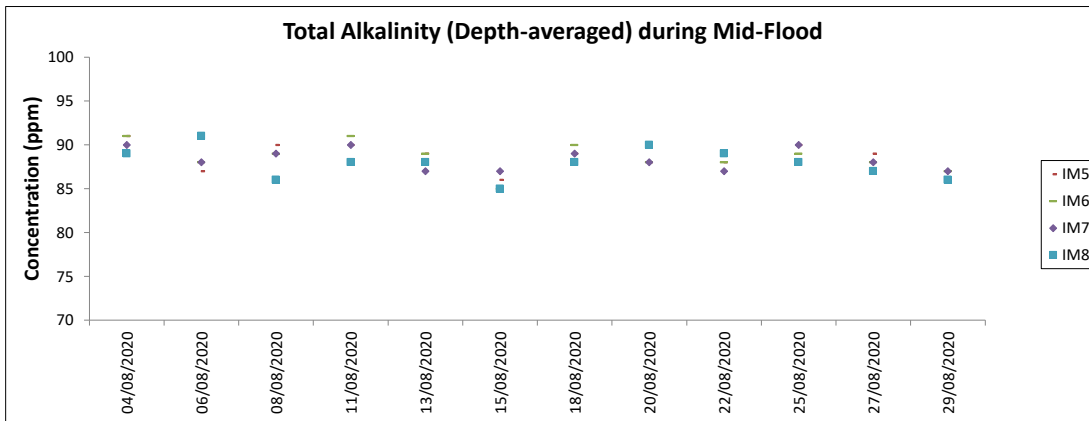
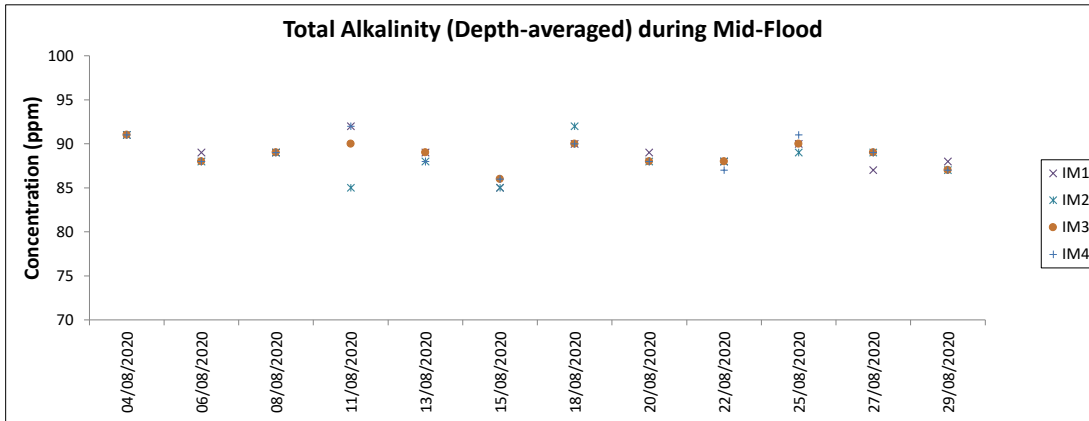
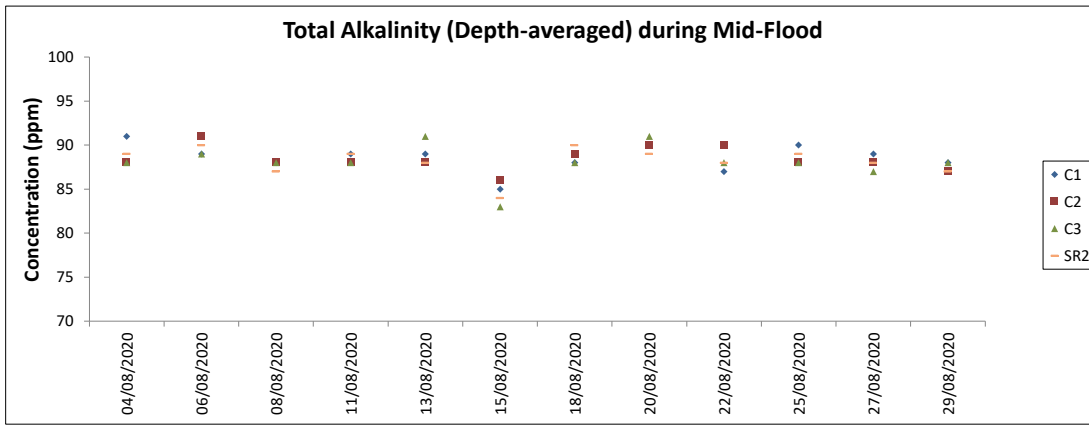
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



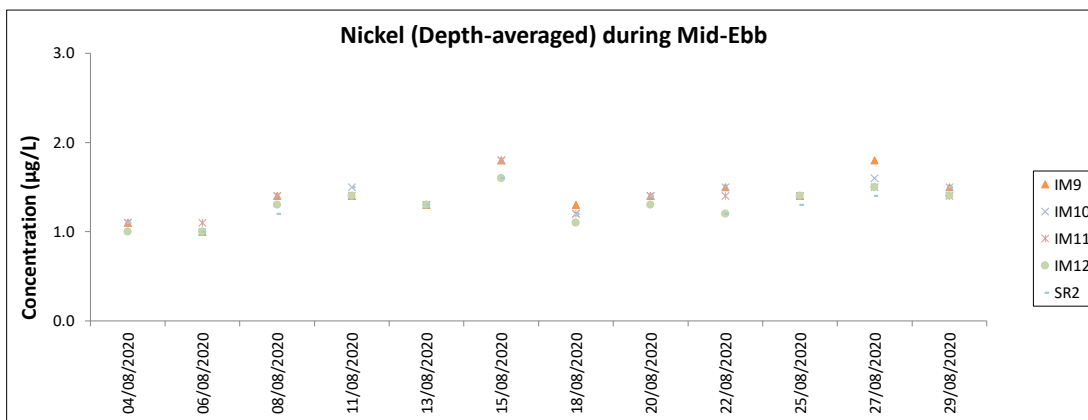
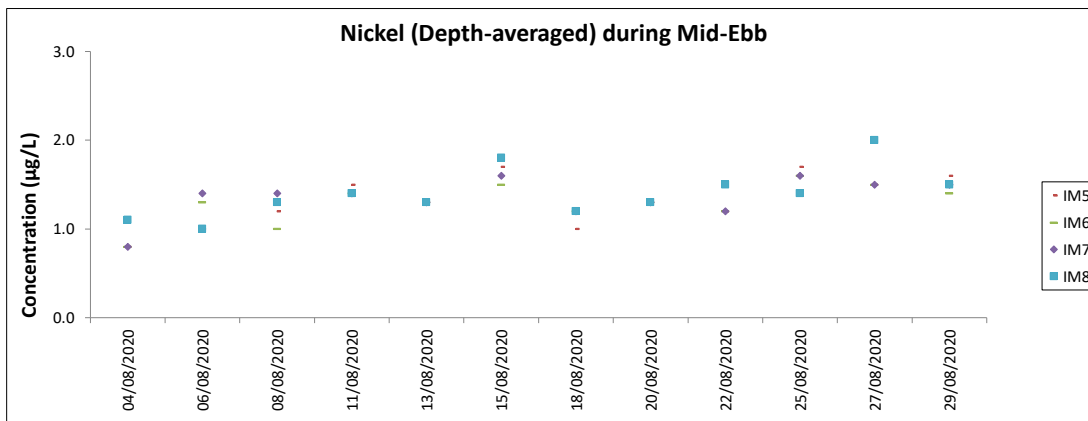
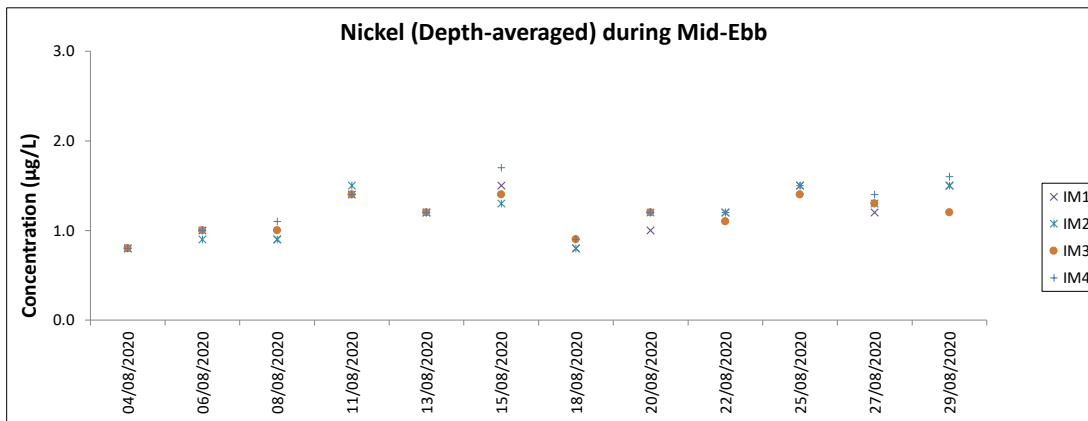
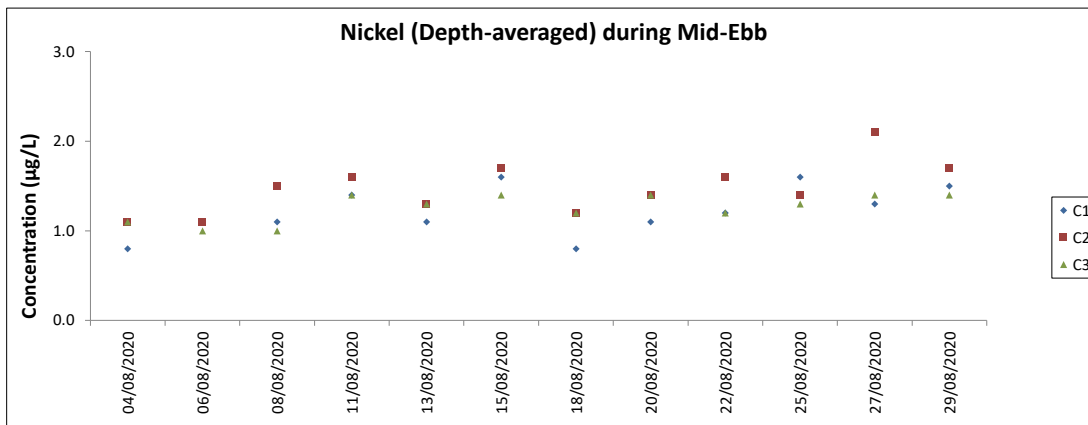
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



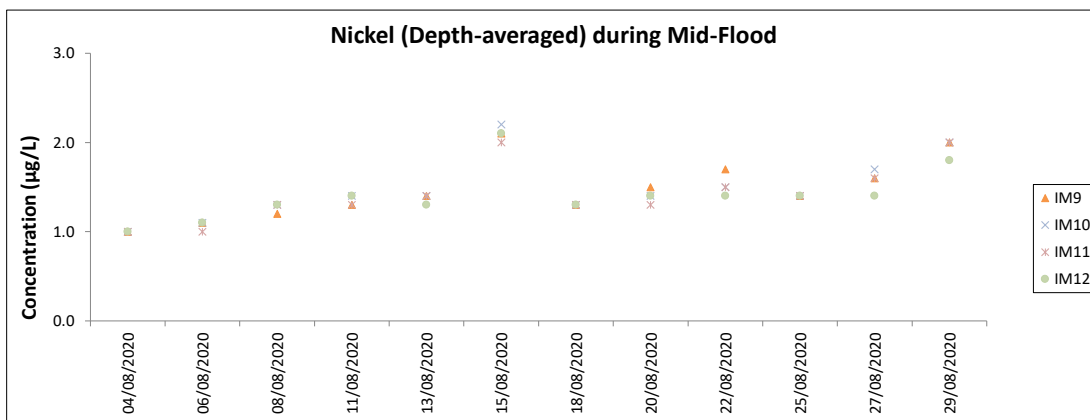
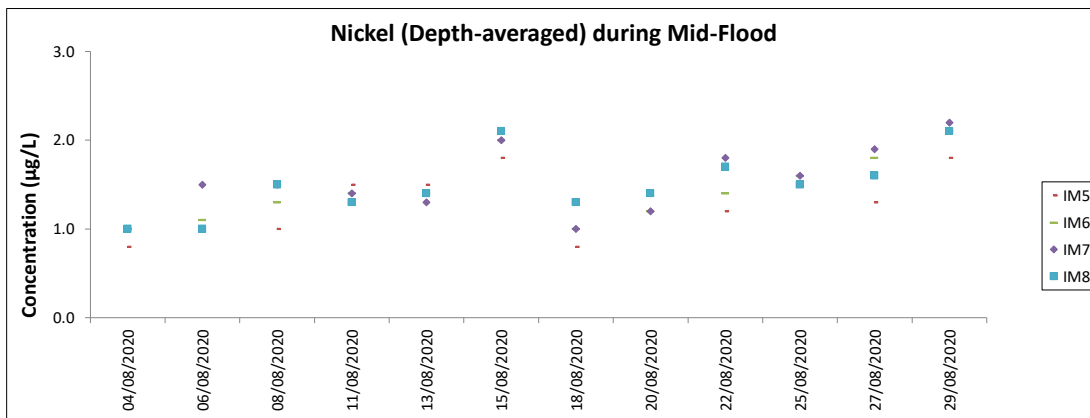
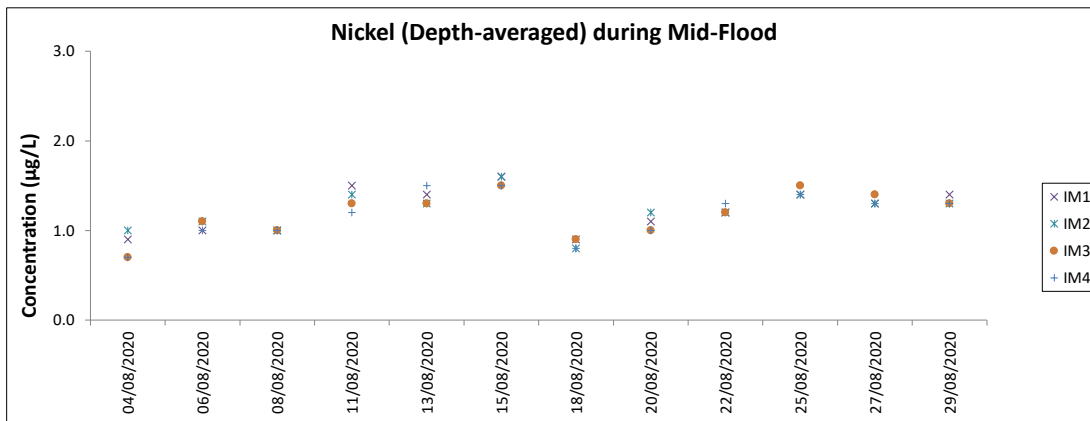
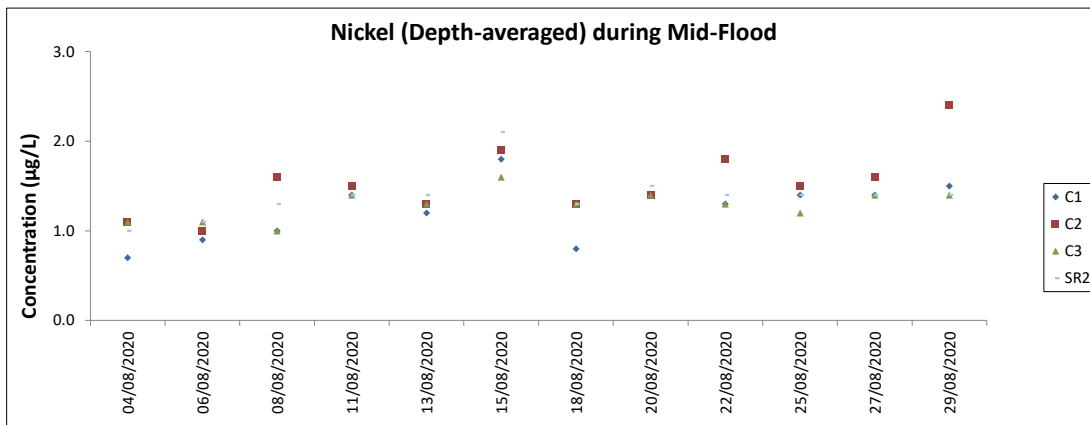
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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All chromium results 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.
 All chromium results in the reporting period was below the reporting limit 0.2 µg/L.
 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
9-Jun-20	NWL	2	2.300	SUMMER	32166	3RS ET	P
9-Jun-20	NWL	3	61.400	SUMMER	32166	3RS ET	P
9-Jun-20	NWL	2	1.500	SUMMER	32166	3RS ET	S
9-Jun-20	NWL	3	10.200	SUMMER	32166	3RS ET	S
11-Jun-20	AW	2	4.760	SUMMER	32166	3RS ET	P
11-Jun-20	WL	2	1.520	SUMMER	32166	3RS ET	P
11-Jun-20	WL	3	16.937	SUMMER	32166	3RS ET	P
11-Jun-20	WL	2	1.060	SUMMER	32166	3RS ET	S
11-Jun-20	WL	3	7.545	SUMMER	32166	3RS ET	S
16-Jun-20	AW	3	4.970	SUMMER	32166	3RS ET	P
16-Jun-20	WL	2	3.459	SUMMER	32166	3RS ET	P
16-Jun-20	WL	3	15.008	SUMMER	32166	3RS ET	P
16-Jun-20	WL	4	1.050	SUMMER	32166	3RS ET	P
16-Jun-20	WL	2	1.080	SUMMER	32166	3RS ET	S
16-Jun-20	WL	3	8.877	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	2	3.700	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	3	52.050	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	4	7.600	SUMMER	32166	3RS ET	P
17-Jun-20	NWL	2	1.200	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	3	8.000	SUMMER	32166	3RS ET	S
17-Jun-20	NWL	4	3.200	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	2	5.388	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	3	34.630	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	4	12.720	SUMMER	32166	3RS ET	P
18-Jun-20	SWL	2	3.312	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	3	11.120	SUMMER	32166	3RS ET	S
18-Jun-20	SWL	4	1.870	SUMMER	32166	3RS ET	S
22-Jun-20	SWL	2	9.376	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	3	31.756	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	4	3.650	SUMMER	32166	3RS ET	P
22-Jun-20	SWL	2	3.471	SUMMER	32166	3RS ET	S
22-Jun-20	SWL	3	10.290	SUMMER	32166	3RS ET	S
23-Jun-20	NEL	2	21.700	SUMMER	32166	3RS ET	P
23-Jun-20	NEL	3	15.280	SUMMER	32166	3RS ET	P
23-Jun-20	NEL	2	6.500	SUMMER	32166	3RS ET	S
23-Jun-20	NEL	3	3.820	SUMMER	32166	3RS ET	S
24-Jun-20	NEL	2	31.670	SUMMER	32166	3RS ET	P
24-Jun-20	NEL	3	5.950	SUMMER	32166	3RS ET	P
24-Jun-20	NEL	2	6.880	SUMMER	32166	3RS ET	S
24-Jun-20	NEL	3	3.100	SUMMER	32166	3RS ET	S
6-Jul-20	AW	3	4.900	SUMMER	32166	3RS ET	P
6-Jul-20	WL	3	14.052	SUMMER	32166	3RS ET	P
6-Jul-20	WL	4	4.029	SUMMER	32166	3RS ET	P
6-Jul-20	WL	3	5.088	SUMMER	32166	3RS ET	S
6-Jul-20	WL	4	3.731	SUMMER	32166	3RS ET	S
8-Jul-20	NEL	2	0.500	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	3	33.650	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Jul-20	NEL	4	3.230	SUMMER	32166	3RS ET	P
8-Jul-20	NEL	2	2.000	SUMMER	32166	3RS ET	S
8-Jul-20	NEL	3	7.720	SUMMER	32166	3RS ET	S
9-Jul-20	NEL	2	1.300	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	3	25.670	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	4	9.820	SUMMER	32166	3RS ET	P
9-Jul-20	NEL	2	1.000	SUMMER	32166	3RS ET	S
9-Jul-20	NEL	3	9.910	SUMMER	32166	3RS ET	S
10-Jul-20	NWL	3	49.090	SUMMER	32166	3RS ET	P
10-Jul-20	NWL	4	14.710	SUMMER	32166	3RS ET	P
10-Jul-20	NWL	2	2.100	SUMMER	32166	3RS ET	S
10-Jul-20	NWL	3	10.000	SUMMER	32166	3RS ET	S
13-Jul-20	AW	2	0.980	SUMMER	32166	3RS ET	P
13-Jul-20	AW	3	3.950	SUMMER	32166	3RS ET	S
13-Jul-20	WL	2	7.997	SUMMER	32166	3RS ET	P
13-Jul-20	WL	3	6.388	SUMMER	32166	3RS ET	P
13-Jul-20	WL	2	2.175	SUMMER	32166	3RS ET	S
13-Jul-20	WL	3	5.392	SUMMER	32166	3RS ET	S
20-Jul-20	SWL	2	44.018	SUMMER	32166	3RS ET	P
20-Jul-20	SWL	3	3.890	SUMMER	32166	3RS ET	P
20-Jul-20	SWL	2	12.803	SUMMER	32166	3RS ET	S
20-Jul-20	SWL	3	1.000	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	1	8.130	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	2	26.735	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	3	15.310	SUMMER	32166	3RS ET	P
21-Jul-20	SWL	1	1.034	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	2	12.790	SUMMER	32166	3RS ET	S
21-Jul-20	SWL	3	0.920	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	1	14.280	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	2	35.930	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	3	12.500	SUMMER	32166	3RS ET	P
22-Jul-20	NWL	1	1.300	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	2	9.190	SUMMER	32166	3RS ET	S
22-Jul-20	NWL	3	1.100	SUMMER	32166	3RS ET	S
7-Aug-20	AW	2	4.830	SUMMER	32166	3RS ET	P
7-Aug-20	WL	2	11.333	SUMMER	32166	3RS ET	P
7-Aug-20	WL	3	8.330	SUMMER	32166	3RS ET	P
7-Aug-20	WL	2	2.260	SUMMER	32166	3RS ET	S
7-Aug-20	WL	3	4.810	SUMMER	32166	3RS ET	S
10-Aug-20	SWL	2	36.803	SUMMER	32166	3RS ET	P
10-Aug-20	SWL	3	14.500	SUMMER	32166	3RS ET	P
10-Aug-20	SWL	2	13.697	SUMMER	32166	3RS ET	S
10-Aug-20	SWL	3	3.100	SUMMER	32166	3RS ET	S
11-Aug-20	NWL	2	18.930	SUMMER	32166	3RS ET	P
11-Aug-20	NWL	3	41.090	SUMMER	32166	3RS ET	P
11-Aug-20	NWL	4	3.780	SUMMER	32166	3RS ET	P
11-Aug-20	NWL	2	5.600	SUMMER	32166	3RS ET	S
11-Aug-20	NWL	3	6.200	SUMMER	32166	3RS ET	S
12-Aug-20	NEL	2	16.500	SUMMER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
12-Aug-20	NEL	3	19.360	SUMMER	32166	3RS ET	P
12-Aug-20	NEL	4	1.500	SUMMER	32166	3RS ET	P
12-Aug-20	NEL	2	5.270	SUMMER	32166	3RS ET	S
12-Aug-20	NEL	3	4.770	SUMMER	32166	3RS ET	S
17-Aug-20	AW	2	1.860	SUMMER	32166	3RS ET	P
17-Aug-20	AW	3	3.020	SUMMER	32166	3RS ET	P
17-Aug-20	WL	2	0.520	SUMMER	32166	3RS ET	P
17-Aug-20	WL	3	17.310	SUMMER	32166	3RS ET	P
17-Aug-20	WL	4	1.510	SUMMER	32166	3RS ET	P
17-Aug-20	WL	2	4.080	SUMMER	32166	3RS ET	S
17-Aug-20	WL	3	4.590	SUMMER	32166	3RS ET	S
17-Aug-20	WL	4	0.717	SUMMER	32166	3RS ET	S
18-Aug-20	NEL	2	29.590	SUMMER	32166	3RS ET	P
18-Aug-20	NEL	3	7.650	SUMMER	32166	3RS ET	P
18-Aug-20	NEL	2	9.100	SUMMER	32166	3RS ET	S
18-Aug-20	NEL	3	0.860	SUMMER	32166	3RS ET	S
24-Aug-20	SWL	2	35.344	SUMMER	32166	3RS ET	P
24-Aug-20	SWL	3	19.010	SUMMER	32166	3RS ET	P
24-Aug-20	SWL	2	11.416	SUMMER	32166	3RS ET	S
24-Aug-20	SWL	3	4.500	SUMMER	32166	3RS ET	S
26-Aug-20	NWL	2	13.100	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	3	31.500	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	4	16.400	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	5	2.300	SUMMER	32166	3RS ET	P
26-Aug-20	NWL	2	4.200	SUMMER	32166	3RS ET	S
26-Aug-20	NWL	3	6.300	SUMMER	32166	3RS ET	S
26-Aug-20	NWL	4	1.000	SUMMER	32166	3RS ET	S

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

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-Jun-20	1	1028	CWD	2	WL	3	396	ON	3RS ET	22.2636	113.8574	SUMMER	NONE	S
11-Jun-20	2	1050	CWD	3	WL	3	6	ON	3RS ET	22.2552	113.8359	SUMMER	NONE	S
11-Jun-20	3	1121	CWD	5	WL	3	323	ON	3RS ET	22.2408	113.8315	SUMMER	NONE	P
11-Jun-20	4	1213	CWD	5	WL	3	689	ON	3RS ET	22.2140	113.8257	SUMMER	NONE	P
11-Jun-20	5	1243	CWD	7	WL	3	1028	ON	3RS ET	22.2055	113.8330	SUMMER	NONE	P
11-Jun-20	6	1311	CWD	3	WL	3	86	ON	3RS ET	22.1958	113.8329	SUMMER	NONE	P
11-Jun-20	7	1325	CWD	6	WL	3	70	ON	3RS ET	22.1958	113.8408	SUMMER	NONE	P
16-Jun-20	1	1041	CWD	1	WL	2	75	ON	3RS ET	22.2609	113.8522	SUMMER	NONE	P
16-Jun-20	2	1055	CWD	6	WL	3	124	ON	3RS ET	22.2607	113.8495	SUMMER	NONE	P
16-Jun-20	3	1244	CWD	1	WL	3	112	ON	3RS ET	22.2049	113.8345	SUMMER	NONE	P
16-Jun-20	4	1310	CWD	3	WL	2	65	ON	3RS ET	22.2532	113.8336	SUMMER	NONE	P
16-Jun-20	5	1345	CWD	8	WL	2	203	ON	3RS ET	22.1945	113.8423	SUMMER	NONE	S
18-Jun-20	1	1248	CWD	5	SWL	2	118	ON	3RS ET	22.1970	113.9082	SUMMER	NONE	P
18-Jun-20	2	1321	CWD	6	SWL	3	85	ON	3RS ET	22.1937	113.8972	SUMMER	GILLNETTER	P
18-Jun-20	3	1550	CWD	2	SWL	3	46	ON	3RS ET	22.1852	113.8492	SUMMER	NONE	P
22-Jun-20	1	1144	CWD	4	SWL	2	807	ON	3RS ET	22.1939	113.9179	SUMMER	NONE	P
22-Jun-20	2	1256	CWD	4	SWL	3	178	ON	3RS ET	22.1881	113.9054	SUMMER	NONE	S
22-Jun-20	3	1321	CWD	3	SWL	2	898	ON	3RS ET	22.2123	113.8979	SUMMER	NONE	P
22-Jun-20	4	1344	CWD	4	SWL	2	386	ON	3RS ET	22.1934	113.8979	SUMMER	NONE	P
22-Jun-20	5	1432	CWD	1	SWL	3	520	ON	3RS ET	22.1688	113.8879	SUMMER	NONE	P
22-Jun-20	6	1453	CWD	5	SWL	3	305	ON	3RS ET	22.1898	113.8883	SUMMER	NONE	P
22-Jun-20	7	1548	CWD	1	SWL	3	225	ON	3RS ET	22.1795	113.8686	SUMMER	NONE	P
22-Jun-20	8	1607	CWD	1	SWL	2	67	ON	3RS ET	22.1904	113.8593	SUMMER	NONE	P
22-Jun-20	9	1614	CWD	2	SWL	2	36	ON	3RS ET	22.1824	113.8596	SUMMER	NONE	P
6-Jul-20	1	1037	CWD	1	WL	3	326	ON	3RS ET	22.2643	113.8574	SUMMER	NONE	S
6-Jul-20	2	1111	CWD	11	WL	4	634	ON	3RS ET	22.2468	113.8514	SUMMER	NONE	S
6-Jul-20	3	1216	CWD	1	WL	3	284	ON	3RS ET	22.2120	113.8363	SUMMER	NONE	P
6-Jul-20	4	1245	CWD	2	WL	3	329	ON	3RS ET	22.1961	113.8400	SUMMER	NONE	P
13-Jul-20	1	1033	CWD	5	WL	2	1238	ON	3RS ET	22.2672	113.8600	SUMMER	NONE	S
13-Jul-20	2	1126	CWD	4	WL	3	601	ON	3RS ET	22.2416	113.8299	SUMMER	NONE	P
13-Jul-20	3	1144	CWD	5	WL	3	1020	ON	3RS ET	22.2377	113.8266	SUMMER	NONE	S
13-Jul-20	4	1203	CWD	1	WL	3	13	ON	3RS ET	22.2235	113.8242	SUMMER	NONE	P

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
13-Jul-20	5	1223	CWD	4	WL	3	322	ON	3RS ET	22.2142	113.8266	SUMMER	NONE	P
13-Jul-20	6	1304	CWD	18	WL	3	211	ON	3RS ET	22.2020	113.8240	SUMMER	NONE	S
13-Jul-20	7	1338	CWD	19	WL	3	221	ON	3RS ET	22.1962	113.8332	SUMMER	NONE	P
13-Jul-20	8	1410	CWD	4	WL	3	129	ON	3RS ET	22.1910	113.8419	SUMMER	NONE	S
20-Jul-20	1	1028	CWD	1	SWL	2	171	ON	3RS ET	22.2119	113.9359	SUMMER	NONE	P
20-Jul-20	2	1237	CWD	1	SWL	2	268	ON	3RS ET	22.1767	113.9072	SUMMER	NONE	S
20-Jul-20	3	1249	CWD	4	SWL	2	362	ON	3RS ET	22.1845	113.9046	SUMMER	NONE	S
20-Jul-20	4	1407	CWD	9	SWL	3	255	ON	3RS ET	22.1673	113.8883	SUMMER	NONE	P
20-Jul-20	5	1424	CWD	5	SWL	2	243	ON	3RS ET	22.1776	113.8883	SUMMER	NONE	P
20-Jul-20	6	1510	CWD	1	SWL	2	130	ON	3RS ET	22.1765	113.8784	SUMMER	NONE	P
20-Jul-20	7	1532	CWD	5	SWL	3	247	ON	3RS ET	22.1682	113.8685	SUMMER	NONE	P
20-Jul-20	8	1604	CWD	3	SWL	2	51	ON	3RS ET	22.1962	113.8586	SUMMER	NONE	P
20-Jul-20	9	1640	CWD	2	SWL	2	42	ON	3RS ET	22.1921	113.8494	SUMMER	NONE	P
21-Jul-20	1	1054	FP	7	SWL	1	146	ON	3RS ET	22.1486	113.9340	SUMMER	NONE	S
21-Jul-20	2	1255	CWD	3	SWL	3	46	ON	3RS ET	22.1928	113.8977	SUMMER	NONE	P
21-Jul-20	3	1410	CWD	2	SWL	2	161	ON	3RS ET	22.1915	113.8790	SUMMER	NONE	P
21-Jul-20	4	1426	CWD	3	SWL	2	241	ON	3RS ET	22.1723	113.8788	SUMMER	NONE	P
21-Jul-20	5	1511	CWD	4	SWL	2	21	ON	3RS ET	22.1962	113.8587	SUMMER	NONE	P
21-Jul-20	6	1537	CWD	1	SWL	2	524	ON	3RS ET	22.1700	113.8560	SUMMER	NONE	S
21-Jul-20	7	1551	CWD	3	SWL	3	188	ON	3RS ET	22.1862	113.8493	SUMMER	PURSE SEINER	P
22-Jul-20	1	1202	CWD	2	NWL	2	308	ON	3RS ET	22.3963	113.8876	SUMMER	NONE	P
7-Aug-20	1	1006	CWD	1	WL	2	57	ON	3RS ET	22.2972	113.8611	SUMMER	NONE	P
7-Aug-20	2	1033	CWD	2	WL	2	96	ON	3RS ET	22.2768	113.8514	SUMMER	NONE	S
7-Aug-20	3	1158	CWD	3	WL	3	8	ON	3RS ET	22.2174	113.8200	SUMMER	NONE	S
7-Aug-20	4	1228	CWD	13	WL	3	111	ON	3RS ET	22.2140	113.8303	SUMMER	NONE	P
7-Aug-20	5	1337	CWD	1	WL	3	235	ON	3RS ET	22.1955	113.8396	SUMMER	NONE	P
10-Aug-20	1	1122	FP	4	SWL	2	59	ON	3RS ET	22.1802	113.9280	SUMMER	NONE	P
10-Aug-20	2	1515	CWD	2	SWL	3	3	ON	3RS ET	22.1883	113.8491	SUMMER	NONE	P
10-Aug-20	3	1528	CWD	1	SWL	3	37	ON	3RS ET	22.1931	113.8499	SUMMER	NONE	P
17-Aug-20	1	1102	CWD	9	WL	3	229	ON	3RS ET	22.2408	113.8378	SUMMER	NONE	P
17-Aug-20	2	1222	CWD	1	WL	4	304	ON	3RS ET	22.1928	113.8424	SUMMER	NONE	S
24-Aug-20	1	1054	FP	2	SWL	2	61	ON	3RS ET	22.1462	113.9319	SUMMER	NONE	S
24-Aug-20	2	1318	FP	8	SWL	2	63	ON	3RS ET	22.1565	113.8876	SUMMER	NONE	P

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

Notes:

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

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

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

A total of 421.333 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 8 on-effort sightings and total number of 32 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in August 2020 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in August 2020

$$STG = \frac{8}{421.333} \times 100 = 1.90$$

Encounter Rate by Number of Dolphins (ANI) in August 2020

$$ANI = \frac{32}{421.333} \times 100 = 7.59$$

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

A total of 1225.934 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 59 on-effort sightings and total number of 233 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)









$$STG = \frac{59}{1225.934} \times 100 = 4.81$$









Running Quarterly Encounter Rate by Number of Dolphins (ANI)






$$ANI = \frac{233}{1225.934} \times 100 = 19.01$$

CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM039_20200807_2_2	WLMM131_20200807_3_1
	
SLMM010_20200807_4_3	SLMM014_20200807_4_2
	
SLMM049_20200807_4_2	SLMM052_20200807_4_6
	
WLMM007_20200807_4_3	WLMM008_20200807_4_4

	
WLMM073_20200807_4_1	WLMM109_20200807_4_1
	
WLMM160_20200807_4_5	WLMM131_20200810_2_1
	
WLMM131_20200810_3_2	NLMM060_20200817_1_3
	
WLMM062_20200817_1_2	WLMM068_20200817_1_3

	
WLMM095_20200817_1_9	WLMM103_20200817_1_10
	
WLMM133_20200817_1_7	WLMM161_20200817_1_1
	
WLMM162_20200817_1_4	

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
17/Aug/20	Lung Kwu Chau	8:55	14:55	6:00	2-3	1-2	2	1-2
24/Aug/20	Sha Chau	10:56	16:56	6:00	2	2	0	-

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