

Appendix C. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

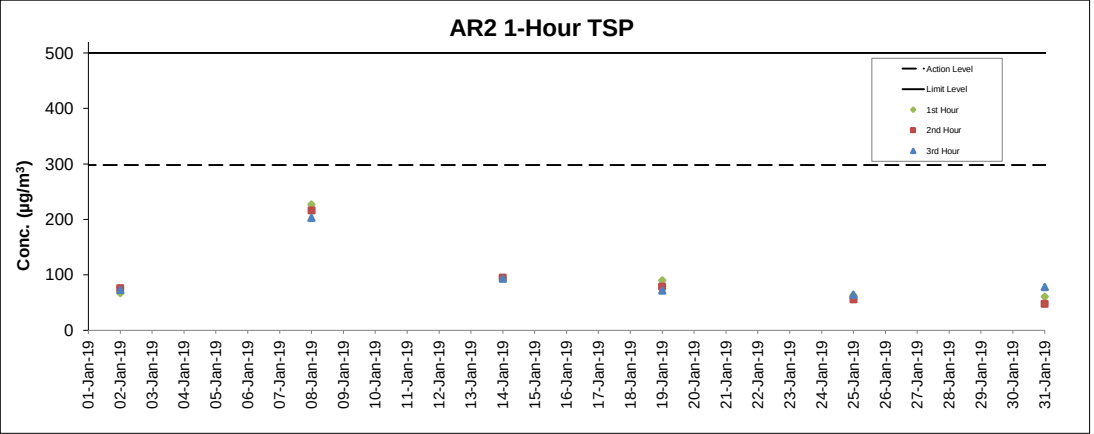
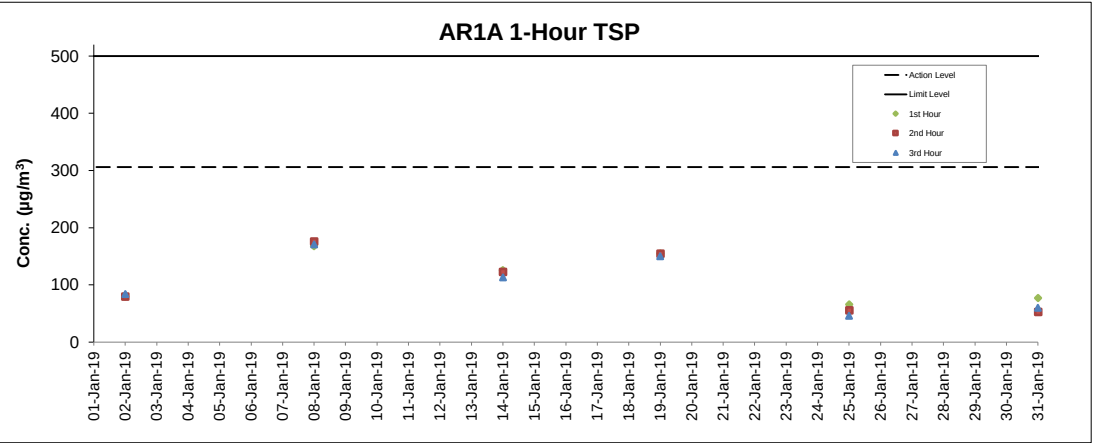
Station: AR1A- Man Tung Road Park

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 ($\mu\text{g}/\text{m}^3$)
2-Jan-19	13:00	Sunny	3.5	329	80	306	500
2-Jan-19	14:00	Sunny	3.8	336	80	306	500
2-Jan-19	15:00	Sunny	5.7	352	84	306	500
8-Jan-19	13:49	Cloudy	4.1	303	168	306	500
8-Jan-19	14:49	Cloudy	3.5	297	176	306	500
8-Jan-19	15:49	Cloudy	3.1	256	171	306	500
14-Jan-19	8:55	Cloudy	5.0	78	126	306	500
14-Jan-19	9:55	Cloudy	3.8	67	123	306	500
14-Jan-19	10:55	Cloudy	3.2	65	113	306	500
19-Jan-19	14:23	Cloudy	2.9	264	155	306	500
19-Jan-19	15:23	Cloudy	2.8	260	155	306	500
19-Jan-19	16:23	Cloudy	3.6	248	150	306	500
25-Jan-19	13:05	Sunny	4.5	259	66	306	500
25-Jan-19	14:05	Sunny	4.8	233	56	306	500
25-Jan-19	15:05	Sunny	4.8	260	46	306	500
31-Jan-19	12:53	Cloudy	3.2	278	77	306	500
31-Jan-19	13:53	Cloudy	4.0	256	53	306	500
31-Jan-19	14:53	Cloudy	3.4	262	60	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 ($\mu\text{g}/\text{m}^3$)
2-Jan-19	9:14	Cloudy	5.1	340	67	298	500
2-Jan-19	10:14	Cloudy	5.5	336	76	298	500
2-Jan-19	11:14	Cloudy	5.2	332	73	298	500
8-Jan-19	9:30	Cloudy	4.8	328	227	298	500
8-Jan-19	10:30	Cloudy	4.7	310	216	298	500
8-Jan-19	11:30	Cloudy	4.1	311	203	298	500
14-Jan-19	9:45	Fine	4.2	68	94	298	500
14-Jan-19	10:45	Fine	4.0	58	95	298	500
14-Jan-19	11:45	Fine	3.1	107	93	298	500
19-Jan-19	9:48	Cloudy	3.4	50	90	298	500
19-Jan-19	10:48	Cloudy	3.8	42	79	298	500
19-Jan-19	11:48	Cloudy	1.9	9	72	298	500
25-Jan-19	9:42	Sunny	3.7	47	63	298	500
25-Jan-19	10:42	Sunny	2.0	28	56	298	500
25-Jan-19	11:42	Sunny	2.5	322	64	298	500
31-Jan-19	9:11	Cloudy	2.6	54	61	298	500
31-Jan-19	10:11	Sunny	2.9	57	48	298	500
31-Jan-19	11:11	Sunny	3.4	305	78	298	500



Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₅₀ dB(A)	L _{eq(30mins)} dB(A)
02-Jan-19	Cloudy	13:17	72.3	56.5	72
02-Jan-19	Cloudy	13:22	74.2	57.1	
02-Jan-19	Cloudy	13:27	72.3	57.6	
02-Jan-19	Cloudy	13:32	72.6	56.4	
02-Jan-19	Cloudy	13:37	73.8	58.1	
02-Jan-19	Cloudy	13:42	73.8	56.5	
08-Jan-19	Cloudy	13:51	72.4	56.5	72
08-Jan-19	Cloudy	13:56	73.7	57.1	
08-Jan-19	Cloudy	14:01	73.7	58.5	
08-Jan-19	Cloudy	14:06	73.0	55.5	
08-Jan-19	Cloudy	14:11	74.0	58.3	
08-Jan-19	Cloudy	14:16	71.1	55.3	
14-Jan-19	Cloudy	11:11	74.9	57.3	73
14-Jan-19	Cloudy	11:16	72.5	55.9	
14-Jan-19	Cloudy	11:21	72.3	54.8	
14-Jan-19	Cloudy	11:26	73.0	55.8	
14-Jan-19	Cloudy	11:31	73.9	54.0	
14-Jan-19	Cloudy	11:36	71.6	52.4	
25-Jan-19	Sunny	13:26	73.3	56.1	67
25-Jan-19	Sunny	13:31	74.4	56.3	
25-Jan-19	Sunny	13:36	73.3	56.3	
25-Jan-19	Sunny	13:41	75.5	56.1	
25-Jan-19	Sunny	13:46	74.0	55.1	
25-Jan-19	Sunny	13:51	74.6	54.6	
31-Jan-19	Sunny	13:08	70.8	53.8	72
31-Jan-19	Sunny	13:13	73.2	54.9	
31-Jan-19	Sunny	13:18	72.8	53.4	
31-Jan-19	Sunny	13:23	73.0	55.3	
31-Jan-19	Sunny	13:28	72.1	55.3	
31-Jan-19	Sunny	13:33	74.9	58.2	

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 ₅₀ dB(A)	L _{eq(30mins)} dB(A)
02-Jan-19	Cloudy	11:02	62.7	58.1	64
02-Jan-19	Cloudy	11:07	61.6	56.9	
02-Jan-19	Cloudy	11:12	64.1	57.6	
02-Jan-19	Cloudy	11:17	63.4	57.2	
02-Jan-19	Cloudy	11:22	63.5	57.5	
02-Jan-19	Cloudy	11:27	64.7	57.5	
08-Jan-19	Cloudy	11:32	61.9	56.8	64
08-Jan-19	Cloudy	11:37	62.7	57.3	
08-Jan-19	Cloudy	11:42	63.0	58.4	
08-Jan-19	Cloudy	11:47	64.4	57.7	
08-Jan-19	Cloudy	11:52	62.2	57.6	
08-Jan-19	Cloudy	11:57	64.6	59.6	
14-Jan-19	Cloudy	13:50	65.2	60.3	65
14-Jan-19	Cloudy	13:55	64.0	59.8	
14-Jan-19	Cloudy	14:00	62.8	59.4	
14-Jan-19	Cloudy	14:05	64.1	59.7	
14-Jan-19	Cloudy	14:10	63.6	59.8	
14-Jan-19	Cloudy	14:15	63.8	59.9	
25-Jan-19	Sunny	11:06	63.5	59.9	65
25-Jan-19	Sunny	11:11	63.5	60.0	
25-Jan-19	Sunny	11:16	64.2	59.6	
25-Jan-19	Sunny	11:21	64.3	59.3	
25-Jan-19	Sunny	11:26	63.7	59.5	
25-Jan-19	Sunny	11:31	64.6	59.8	
31-Jan-19	Fine	11:19	67.6	61.4	65
31-Jan-19	Fine	11:24	64.4	59.3	
31-Jan-19	Fine	11:29	63.4	58.9	
31-Jan-19	Fine	11:34	64.0	58.7	
31-Jan-19	Fine	11:39	63.2	58.8	
31-Jan-19	Fine	11:44	63.3	58.8	

Remarks:

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

Limit Level at NM4 was reduced to 65 dB(A) during school examination period from 4 to 10 Jan 2019.

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)
02-Jan-19	Cloudy	09:31	56.3	50.4	57
02-Jan-19	Cloudy	09:36	61.9	53.0	
02-Jan-19	Cloudy	09:41	61.2	52.1	
02-Jan-19	Cloudy	09:46	60.9	53.3	
02-Jan-19	Cloudy	09:51	58.6	51.0	
02-Jan-19	Cloudy	09:56	60.7	51.5	
08-Jan-19	Cloudy	09:40	47.8	42.9	58
08-Jan-19	Cloudy	09:45	58.1	43.2	
08-Jan-19	Cloudy	09:50	50.9	43.6	
08-Jan-19	Cloudy	09:55	51.3	44.8	
08-Jan-19	Cloudy	10:00	60.1	46.4	
08-Jan-19	Cloudy	10:05	55.5	46.3	
14-Jan-19	Fine	09:55	58.5	47.6	61
14-Jan-19	Fine	10:00	60.5	49.9	
14-Jan-19	Fine	10:05	66.9	48.7	
14-Jan-19	Fine	10:10	67.7	48.9	
14-Jan-19	Fine	10:15	55.3	47.2	
14-Jan-19	Fine	10:20	54.3	47.7	
25-Jan-19	Sunny	09:55	61.4	47.4	59
25-Jan-19	Sunny	10:00	63.2	47.4	
25-Jan-19	Sunny	10:05	56.9	46.9	
25-Jan-19	Sunny	10:10	63.6	47.5	
25-Jan-19	Sunny	10:15	51.2	46.0	
25-Jan-19	Sunny	10:20	55.1	47.5	
31-Jan-19	Cloudy	09:18	51.3	43.8	56
31-Jan-19	Cloudy	09:23	56.6	44.9	
31-Jan-19	Cloudy	09:28	61.5	45.4	
31-Jan-19	Cloudy	09:33	48.1	45.0	
31-Jan-19	Cloudy	09:38	50.4	44.1	
31-Jan-19	Cloudy	09:43	48.0	44.6	

Remarks:

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

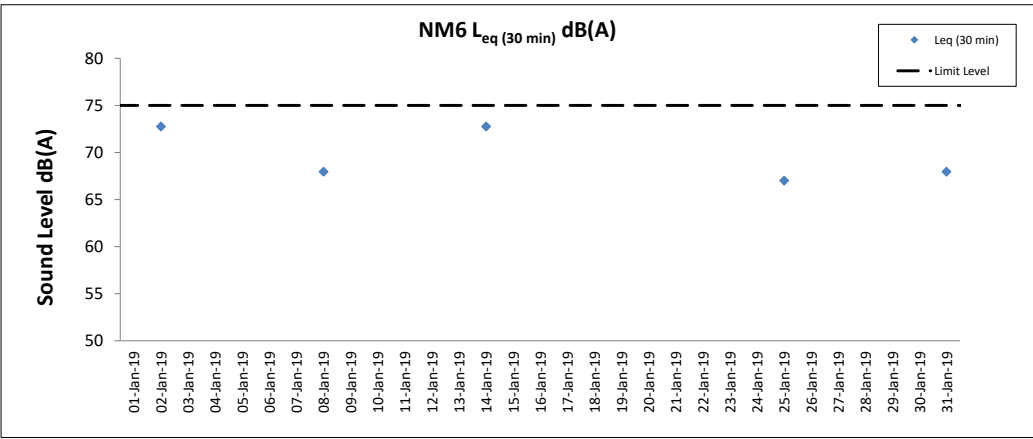
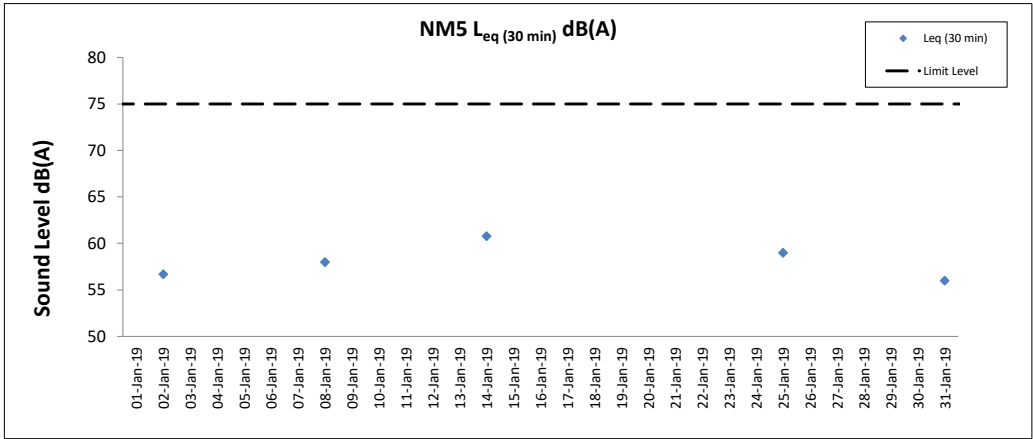
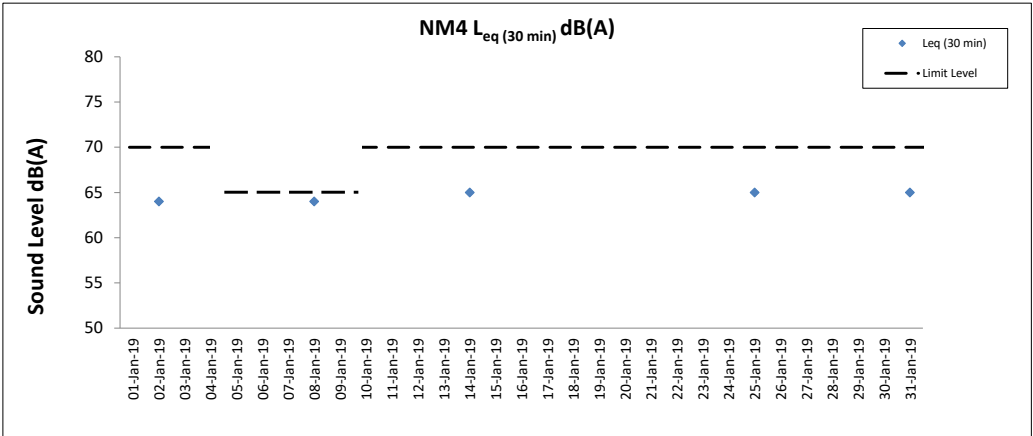
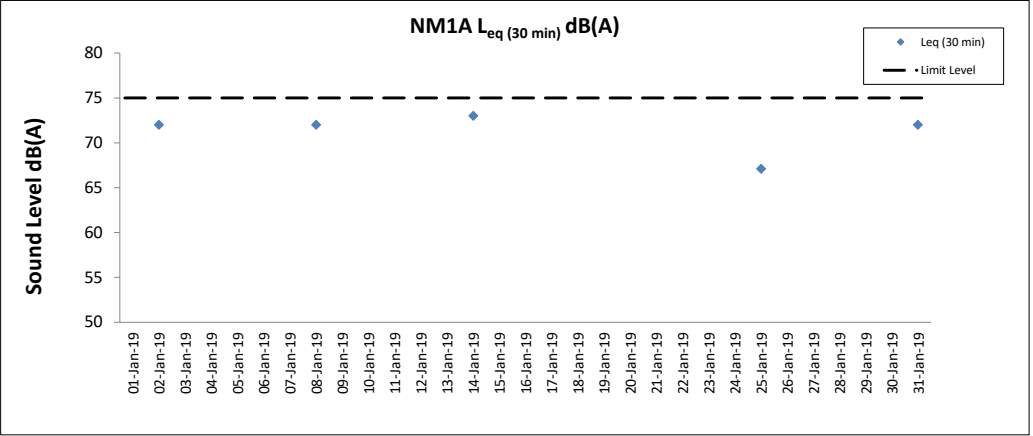
Noise Measurement Results

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)
02-Jan-19	Cloudy	09:40	73.3	60.1	73
02-Jan-19	Cloudy	09:45	73.2	58.4	
02-Jan-19	Cloudy	09:50	77.6	61.1	
02-Jan-19	Cloudy	09:55	76.5	60.7	
02-Jan-19	Cloudy	10:00	75.6	58.4	
02-Jan-19	Cloudy	10:05	76.4	55.7	
08-Jan-19	Cloudy	09:46	75.0	52.7	68
08-Jan-19	Cloudy	09:51	71.0	49.3	
08-Jan-19	Cloudy	09:56	74.4	51.4	
08-Jan-19	Cloudy	10:01	71.8	51.9	
08-Jan-19	Cloudy	10:06	72.4	49.0	
08-Jan-19	Cloudy	10:11	72.8	50.5	
14-Jan-19	Cloudy	15:40	77.3	63.2	73
14-Jan-19	Cloudy	15:45	72.0	60.0	
14-Jan-19	Cloudy	15:50	79.1	62.5	
14-Jan-19	Cloudy	15:55	75.5	63.9	
14-Jan-19	Cloudy	16:00	73.6	52.8	
14-Jan-19	Cloudy	16:05	69.1	54.3	
25-Jan-19	Sunny	09:41	69.4	60.3	67
25-Jan-19	Sunny	09:46	68.1	60.1	
25-Jan-19	Sunny	09:51	68.0	50.0	
25-Jan-19	Sunny	09:56	66.2	50.2	
25-Jan-19	Sunny	10:01	62.7	50.4	
25-Jan-19	Sunny	10:06	69.7	50.9	
31-Jan-19	Fine	09:45	69.2	48.8	68
31-Jan-19	Fine	09:50	73.5	52.4	
31-Jan-19	Fine	09:55	73.1	52.0	
31-Jan-19	Fine	10:00	71.1	49.5	
31-Jan-19	Fine	10:05	73.5	48.9	
31-Jan-19	Fine	10:10	67.7	50.7	

Remarks:

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



Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 January 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Cloudy	Moderate	08:56	8.0	Surface	1.0	0.0	176	17.8	17.8	8.1	8.1	32.8	32.8	94.8	94.8	7.4		8.5		8		91		94	815596	804236	<0.2		0.7	
						1.0	0.0	189	17.8		8.1		32.8		94.8		7.4		8.5		10		93					<0.2		0.7	
					Middle	4.0	0.1	188	17.8	17.8	8.1	8.1	32.8	32.8	94.7	94.7	7.4	7.4	8.4		11		94					<0.2		0.8	
						4.0	0.2	193	17.8		8.1		32.8		94.6		7.4		8.5		11	10	95					<0.2		0.8	
					Bottom	7.0	0.2	221	17.7	17.7	8.1	8.1	32.8	32.8	94.3	94.3	7.4	7.4	8.9		11		96					<0.2		0.8	
						7.0	0.2	241	17.7		8.1		32.8		94.3		7.4		8.8		11		97					<0.2		0.7	
C2	Cloudy	Moderate	10:56	11.3	Surface	1.0	0.3	126	17.7	17.7	8.2	8.2	32.9	32.9	94.7	94.7	7.4		5.6		9		86		90	825694	806931	<0.2		0.8	
						1.0	0.4	133	17.7		8.2		32.9		94.7		7.4		5.6		9		86					<0.2		0.7	
					Middle	5.7	0.1	138	17.7	17.7	8.2	8.2	32.9	32.9	94.5	94.5	7.4	7.4	5.5		9		89					<0.2		0.7	
						5.7	0.2	143	17.7		8.2		32.9		94.5		7.4		5.6		9	10	90					<0.2		0.7	
					Bottom	10.3	0.1	146	17.6	17.6	8.2	8.2	32.9	32.9	94.3	94.3	7.4	7.4	5.8		11		93					<0.2		0.7	
						10.3	0.1	159	17.6		8.2		32.9		94.3		7.4		5.7		11		93					<0.2		0.7	
C3	Cloudy	Moderate	08:42	12.1	Surface	1.0	0.4	77	19.5	19.5	8.2	8.2	32.8	32.8	95.4	95.4	7.2		5.4		6		87		91	822107	817804	<0.2		0.7	
						1.0	0.5	82	19.5		8.2		32.8		95.4		7.2		5.4		6		86					<0.2		0.6	
					Middle	6.1	0.4	70	19.5	19.5	8.2	8.2	32.8	32.8	95.4	95.4	7.2	7.2	5.4		9		93					<0.2		0.8	
						6.1	0.4	72	19.5		8.2		32.8		95.4		7.2		5.4		10		91					<0.2		1.0	
					Bottom	11.1	0.2	98	19.5	19.5	8.2	8.2	32.8	32.8	95.4	95.4	7.2	7.2	5.6		11		96					<0.2		0.8	
						11.1	0.2	100	19.5		8.2		32.8		95.4		7.2		5.6		11		95					<0.2		0.7	
IM1	Cloudy	Moderate	09:17	5.4	Surface	1.0	0.1	178	17.8	17.8	8.1	8.1	32.8	32.8	94.7	94.7	7.4		8.6		8		92		93	817934	807134	<0.2		0.6	
						1.0	0.1	192	17.8		8.1		32.8		94.7		7.4	7.4	8.7		7		93					<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		94				<0.2		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8		<0.2			-				
					Bottom	4.4	0.1	142	17.7	17.7	8.1	8.1	32.8	32.8	94.4	94.4	7.4	7.4	8.9		8		94		<0.2			0.7			
						4.4	0.2	146	17.7		8.1		32.8		94.4		7.4		8.9		9		94		<0.2			0.7			
IM2	Cloudy	Moderate	09:23	6.8	Surface	1.0	0.1	52	17.9	17.9	8.1	8.1	32.8	32.8	94.9	94.9	7.4		8.4		9		89		92	818185	806185	<0.2		0.6	
						1.0	0.1	53	17.9		8.1		32.8		94.9		7.4	7.4	8.5		8		89					<0.2		0.9	
					Middle	3.4	0.0	210	17.9	17.9	8.1	8.1	32.8	32.8	94.8	94.8	7.4	7.4	8.6		9		92					<0.2		0.9	
						3.4	0.0	213	17.9		8.1		32.8		94.8		7.4		8.6		10	10	93					<0.2		0.9	
					Bottom	5.8	0.1	149	17.8	17.8	8.1	8.1	32.8	32.8	94.5	94.5	7.4	7.4	9.1		11		95					<0.2		0.7	
						5.8	0.1	156	17.8		8.1		32.8		94.6		7.4	7.4	9.1		12		95					<0.2		0.9	
IM3	Cloudy	Moderate	09:31	7.0	Surface	1.0	0.3	146	17.8	17.8	8.1	8.1	32.8	32.8	94.7	94.7	7.4		8.6		7		89		92	818770	805573	<0.2		1.0	
						1.0	0.3	155	17.8		8.1		32.8		94.7		7.4	7.4	8.6		7		89					<0.2		0.8	
					Middle	3.5	0.1	100	17.7	17.7	8.1	8.1	32.8	32.8	94.5	94.5	7.4	7.4	8.7		9		92					<0.2		0.9	
						3.5	0.1	104	17.7		8.1		32.8		94.5		7.4		8.8		9	9	92					<0.2		0.9	
					Bottom	6.0	0.1	97	17.7	17.7	8.1	8.1	32.8	32.8	94.3	94.3	7.4	7.4	8.6		11		95					<0.2		0.8	
						6.0	0.1	103	17.7		8.1		32.8		94.3		7.4	7.4	8.7		10		96					<0.2		0.8	
IM4	Cloudy	Moderate	09:40	7.1	Surface	1.0	0.1	187	17.7	17.7	8.1	8.1	32.8	32.8	94.6	94.6	7.4		8.7		8		89		92	819748	804600	<0.2		0.9	
						1.0	0.1	192	17.7		8.1		32.8		94.6		7.4	7.4	8.7		9		89					<0.2		0.8	
					Middle	3.6	0.1	134	17.7	17.7	8.1	8.1	32.8	32.8	94.5	94.5	7.4	7.4	8.6		9		92					<0.2		0.8	
						3.6	0.1	139	17.7		8.1		32.8		94.5		7.4		8.7		9		93					<0.2		0.8	
					Bottom	6.1	0.0	232	17.7	17.7	8.1	8.1	32.8	32.8	94.3	94.3	7.4	7.4	9.1		9		95					<0.2		0.8	
						6.1	0.0	237	17.7		8.1		32.8		94.3		7.4	7.4	9.1		10		96					<0.2		0.9	
IM5	Cloudy	Moderate	09:49	6.4	Surface	1.0	0.1	213	17.8	17.8	8.1	8.1	32.8	32.8	94.8	94.8	7.4		8.5		8		89		92	820739	804865	<0.2		1.0	

Expansion of Heng Rong Water Quality Monitoring

Water Quality Monitoring Results on 01 January 19 during Mid-Ebb Tide

Water Quality Monitoring Results on 01 January 19 during mid-Ebb Tide																																		
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	10:20	7.4	Surface	1.0	0.2	94	17.7	17.7	8.2	8.2	32.9	32.9	94.6	94.6	7.4		5.4		8		86						<0.2	0.9				
						1.0	0.2	94	17.7	17.7	8.2	8.2	32.9	32.9	94.6	94.6	7.4		5.5		7		87						<0.2	0.9				
					Middle	3.7	0.3	88	17.7	17.7	8.2	8.2	32.9	32.9	94.5	94.5	7.4	7.4	5.9		8		91		91		822081	808796			<0.2	1.0		1.0
						3.7	0.3	89	17.7	17.7	8.2	8.2	32.9	32.9	94.4	94.4	7.4		5.8		9		92		92				<0.2	0.9				
					Bottom	6.4	0.3	80	17.7	17.7	8.2	8.2	32.9	32.9	94.3	94.3	7.4	7.4	5.8		10		95		95						<0.2	1.0		
						6.4	0.4	86	17.7	17.7	8.2	8.2	32.9	32.9	94.3	94.3	7.4	7.4	5.8		9		95		95						<0.2	1.1		
IM10	Cloudy	Moderate	10:12	9.0	Surface	1.0	0.5	116	17.7	17.7	8.2	8.2	32.9	32.9	94.7	94.7	7.4		5.4		10		86						<0.2	1.1				
						1.0	0.5	125	17.7	17.7	8.2	8.2	32.9	32.9	94.7	94.7	7.4	7.4	5.4		11		87						<0.2	1.0				
					Middle	4.5	0.4	102	17.7	17.7	8.2	8.2	32.9	32.9	94.4	94.4	7.4		5.8		12		91		91		822371	809791			<0.2	0.9		1.0
						4.5	0.4	110	17.7	17.7	8.2	8.2	32.9	32.9	94.4	94.4	7.4		5.8		12		91		91				<0.2	1.1				
					Bottom	8.0	0.2	110	17.6	17.6	8.2	8.2	32.9	32.9	94.1	94.1	7.4	7.4	6.3		12		95		95						<0.2	1.0		
						8.0	0.3	118	17.6	17.6	8.2	8.2	32.9	32.9	94.1	94.1	7.4	7.4	6.2		12		95		95						<0.2	0.9		
IM11	Cloudy	Moderate	09:59	9.3	Surface	1.0	0.5	114	17.8	17.8	8.2	8.2	32.9	32.9	94.8	94.8	7.4		5.4		10		86						<0.2	1.0				
						1.0	0.5	121	17.8	17.8	8.2	8.2	32.9	32.9	94.8	94.8	7.4	7.4	5.4		10		86						<0.2	1.0				
					Middle	4.7	0.3	109	17.8	17.8	8.2	8.2	32.9	32.9	94.7	94.7	7.4		5.3		10		92		91		822063	811458			<0.2	1.1		1.0
						4.7	0.4	118	17.8	17.8	8.2	8.2	32.9	32.9	94.6	94.6	7.4		5.4		11		91		91				<0.2	1.0				
					Bottom	8.3	0.2	112	17.7	17.7	8.2	8.2	32.9	32.9	94.3	94.3	7.4	7.4	5.8		12		95		95						<0.2	1.0		
						8.3	0.2	120	17.7	17.7	8.2	8.2	32.9	32.9	94.																			

DA: Depth-Averaged

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

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

Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 January 19 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)	
C1	Cloudy	Moderate	14:55	7.8	Surface	1.0	0.2	43	17.9	17.9	8.1	8.1	32.8	32.8	94.3	94.3	7.4	7.4	9.4	11	11	90	93	815637	804226	<0.2		0.9		
						1.0	0.2	45	17.9		8.1		32.8		94.3		7.3	7.3	9.5	12		89				<0.2		1.1		
					Middle	3.9	0.1	17	17.9	17.9	8.1	8.1	32.8	32.8	94.1	94.1	7.3	7.3	9.9	11	12	92	93			<0.2		1.1		
						3.9	0.1	18	17.9		8.1		32.8		94.1		7.3	7.3	9.9	12		92				<0.2		1.0		
					Bottom	6.8	0.1	30	17.9	17.9	8.1	8.1	32.8	32.8	94.0	94.0	7.3	7.3	10.7	14		97	93			<0.2		0.9		
						6.8	0.1	35	17.9		8.1		32.8		94.0		7.3	7.3	10.8	13		97				<0.2		1.1		
C2	Cloudy	Moderate	13:58	11.4	Surface	1.0	0.2	105	18.0	18.0	8.2	8.2	32.8	32.8	94.3	94.3	7.3	7.3	7.8	9		87	92	825694	806937	<0.2		1.1		
						1.0	0.2	105	18.0		8.2		32.8		94.3		7.3	7.3	7.9	9		88				<0.2		0.9		
					Middle	5.7	0.1	32	17.9	17.9	8.2	8.2	32.8	32.8	94.2	94.2	7.3	7.3	8.7	8	9	92	92			<0.2		0.9		
						5.7	0.1	35	17.9		8.2		32.8		94.2		7.3	7.3	8.9	9		92				<0.2		0.7		
					Bottom	10.4	0.0	68	17.9	17.9	8.2	8.2	32.8	32.8	94.4	94.5	7.4	7.4	9.5	8		97	93			<0.2		0.7		
						10.4	0.0	65	17.9		8.2		32.8		94.5		7.4	7.4	9.3	8		97				<0.2		0.9		
C3	Cloudy	Moderate	16:00	11.7	Surface	1.0	0.1	241	17.9	17.9	8.2	8.2	32.9	32.9	94.4	94.4	7.4	7.4	6.4	7		87	91	822130	817782	<0.2		0.9		
						1.0	0.1	255	17.9		8.2		32.9		94.4		7.4	7.4	6.3	8		87				<0.2		0.9		
					Middle	5.9	0.1	269	17.9	17.9	8.2	8.2	32.9	32.9	94.1	94.1	7.3	7.3	7.2	9	8	91	91			<0.2		0.8		
						5.9	0.1	286	17.9		8.2		32.9		94.1		7.3	7.3	7.2	8		91				<0.2		0.8		
					Bottom	10.7	0.1	244	17.9	17.9	8.2	8.2	32.8	32.8	93.9	93.9	7.3	7.3	9.1	8		95	94			<0.2		0.9		
						10.7	0.1	261	17.9		8.2		32.8		93.9		7.3	7.3	8.9	9		94				<0.2		0.9		
IM1	Cloudy	Moderate	14:36	4.6	Surface	1.0	0.1	328	17.9	17.9	8.1	8.1	32.8	32.8	94.3	94.3	7.3	7.3	10.0	9		91	93	817966	807150	<0.2		1.0		
						1.0	0.1	341	17.9		8.1		32.8		94.3		7.3	7.3	9.9	8		92				<0.2		0.8		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93			<0.2		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				<0.2		-		
					Bottom	3.6	0.1	311	17.9	17.9	8.1	8.1	32.8	32.8	93.9	93.9	7.3	7.3	10.5	11	10	95	93			<0.2		1.0		
						3.6	0.1	336	17.9		8.1		32.8		93.9		7.3	7.3	10.9	12		95				<0.2		0.8		
IM2	Cloudy	Moderate	14:30	6.6	Surface	1.0	0.1	307	17.9	17.9	8.1	8.1	32.8	32.8	94.2	94.2	7.3	7.3	10.1	7		89	93	818150	806182	<0.2		0.8		
						1.0	0.1	314	17.9		8.1		32.8		94.2		7.3	7.3	10.0	6		89				<0.2		0.8		
					Middle	3.3	0.1	353	17.9	17.9	8.1	8.1	32.8	32.8	94.0	94.0	7.3	7.3	10.2	8	8	92	93			<0.2		0.8		
						3.3	0.1	355	17.9		8.1		32.8		94.0		7.3	7.3	10.2	8		93				<0.2		0.7		
					Bottom	5.6	0.1	316	17.9	17.9	8.1	8.1	32.8	32.8	93.9	93.9	7.3	7.3	10.8	9		97	93			<0.2		0.9		
						5.6	0.1	325	17.9		8.1		32.8		93.9		7.3	7.3	10.8	9		96				<0.2		0.8		
IM3	Cloudy	Moderate	14:24	6.8	Surface	1.0	0.1	312	17.9	17.9	8.1	8.1	32.8	32.8	94.1	94.1	7.3	7.3	10.3	8		89	93	818764	805613	<0.2		0.9		
						1.0	0.1	323	17.9		8.1		32.8		94.1		7.3	7.3	10.3	9		89				<0.2		0.9		
					Middle	3.4	0.1	10	17.9	17.9	8.1	8.1	32.8	32.8	94.0	94.0	7.3	7.3	10.7	8	9	92	93			<0.2		0.8		
						3.4	0.1	10	17.9		8.1		32.8		94.0		7.3	7.3	10.7	8		93				<0.2		0.9		
					Bottom	5.8	0.1	39	17.9	17.9	8.1	8.1	32.8	32.8	93.7	93.7	7.3	7.3	12.8	10		96	93			<0.2		0.8		
						5.8	0.1	36	17.9		8.1		32.8		93.7		7.3	7.3	12.9	9		97				<0.2		0.8		
IM4	Cloudy	Moderate	14:16	7.0	Surface	1.0	0.1	243	17.9	17.9	8.1	8.1	32.8	32.8	94.2	94.2	7.3	7.3	10.6	7		89	92	819720	804624	<0.2		0.9		
						1.0	0.1	258	17.9		8.1		32.8		94.2		7.3	7.3	10.6	8		89				<0.2		1.0		
					Middle	3.5	0.1	30	18.0	18.0	8.1	8.1	32.8	32.8	94.0	94.0	7.3	7.3	10.6	8	8	92	92			<0.2		0.9		
						3.5	0.1	31	18.0		8.1		32.8		94.0		7.3	7.3	10.7	8		92				<0.2		1.0		
					Bottom	6.0	0.0	39	17.9	17.9	8.1	8.1	32.8	32.8	93.9	93.9	7.3	7.3	11.8	9	11	95	93			<0.2		1.1		
						6.0	0.0	43	17.9		8.1		32.8		93.9		7.3	7.3	11.8	10		97				<0.2		0.9		
IM5	Cloudy	Moderate	14:10	6.6	Surface	1.0	0.3	277	18.0	18.0	8.1	8.1	32.8	32.8	94.2	94.2	7.3	7.3	10.7	9		88	93	820747	804871	<0.2		1.0		
						1.0	0.3	296	18.0		8.1		32.8		94.2		7.3	7.3	10.7	10		89				<0.2		0.9		
					Middle	3.3	0.3	18	18.0	18.0	8.1	8.1	32.8	32.8	94.0	94.0	7.3	7.3	10.9	10	11	92	93			<0.2		1.1		
						3.3	0.3	18	18.0		8.1		32.8		94.0		7.3	7.3	11.0	11		93				<0.2		1.0		
					Bottom	5.6	0.3	38	18.0	18.0	8.1	8.1	32.8	32.8	93.8	93.8	7.3	7.3	12.3	12		97	93			<0.2		1.0		
						5.6	0.3	36	17.9		8.1		32.8		93.8		7.3	7.3	12.4	12		96				<0.2		1.0		

Water Quality Monitoring

Water Quality Monitoring Results on 01 January 19 **during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	14:30	7.2	Surface	1.0	0.2	92	17.9	17.9	8.2	8.2	32.8	32.8	94.1	94.1	7.3	7.3	7.9	7.9	6	6	88	88	93	822111	808823	<0.2	<0.2	0.9	1.0					
						1.0	0.2	96	17.9	8.2	8.2	32.8	32.8	94.1	94.1	7.3	7.3	7.8	7.8	7	7	89	89	1.0						1.0						
						3.6	0.3	326	17.9	8.2	8.2	32.8	32.8	94.0	94.0	7.3	7.3	7.7	7.7	7	7	93	93	1.1						1.1						
					3.6	0.3	326	17.9	8.2	8.2	32.8	32.8	94.0	94.0	7.3	7.3	7.8	7.8	7	7	92	92	1.0	1.0												
					6.2	0.3	321	17.9	8.2	8.2	32.8	32.8	93.8	93.8	7.3	7.3	9.0	9.0	8	8	97	97	1.0	1.0												
					6.2	0.3	300	17.9	8.2	8.2	32.8	32.8	93.8	93.8	7.3	7.3	8.9	8.9	8	8	96	96	1.0	1.0												
IM10	Cloudy	Moderate	14:38	6.3	Surface	1.0	0.3	90	17.9	17.9	8.2	8.2	32.8	32.8	94.1	94.1	7.3	7.3	7.5	7.5	7	7	88	88	92	822385	809796	<0.2	<0.2	1.0	1.0					
						1.0	0.4	94	17.9	8.2	8.2	32.8	32.8	94.1	94.1	7.3	7.3	7.5	7.5	7	7	88	88	1.0						1.0						
						3.2	0.2	299	17.9	8.2	8.2	32.8	32.8	94.0	94.0	7.3	7.3	7.5	7.5	7	7	93	93	1.2						1.2						
					3.2	0.3	280	17.9	8.2	8.2	32.8	32.8	94.0	94.0	7.3	7.3	7.5	7.5	7	7	92	92	1.1	1.1												
					5.3	0.1	261	17.9	8.2	8.2	32.8	32.8	93.6	93.6	7.3	7.3	10.1	10.1	8	8	96	96	1.2	1.2												
					5.3	0.1	283	17.9	8.2	8.2	32.8	32.8	93.6	93.6	7.3	7.3	10.2	10.2	8	8	96	96	1.0	1.0												
IM11	Cloudy	Moderate	14:51	7.4	Surface	1.0	0.1	324	17.9	17.9	8.2	8.2	32.8	32.8	94.1	94.1	7.3	7.3	7.2	7.2	7	7	88	88	92	822072	811479	<0.2	<0.2	1.0	1.1					
						1.0	0.1	342	17.9	8.2	8.2	32.8	32.8	94.1	94.1	7.3	7.3	7.2	7.2	7	7	88	88	1.1						1.1						
						3.7	0.1	359	17.9	8.2	8.2	32.8	32.8	94.0	94.0	7.3	7.3	7.6	7.6	7	7	92	92	1.1						1.1						
					3.7	0.1	330	17.9	8.2	8.2	32.8	32.8	94.0	94.0	7.3	7.3	7.6	7.6	7	7	93	93	1.2	1.2												
					6.4	0.1	31	17.9	8.2	8.2	32.8	32.8	93.8	93.8	7.3	7.3	8.1	8.1	8	8	96	96	1.0	1.0												
					6.4	0.1	32	17.9	8.2	8.2	32.8	32.8	93.8	93.8	7.3	7.3	8.0	8.0	8	8	96	96	1.0	1.0												
IM12	Cloudy	Moderate	15:00	8.4	Surface	1.0	0.2	255	17.9	17.9	8.2	8.2	32.8	32.8	94.2	94.2	7.3	7.3	6.7	6.7	7	7	88	88	92	821477	812029									

DA: Depth-Averaged

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

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

Note: Access to SR8 was blocked by barge and its wires. The monitoring at SR8 was slightly shifted to the closest safe and accessible location temporarily.

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 January 19 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)	
C1	Cloudy	Moderate	12:20	8.4	Surface	1.0	0.1	204	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7	7.7	12.2	12.2	10	10	85	85	815636	804238	<0.2	0.6		
						1.0	0.1	216	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7	7.7	12.4	12.4	11	11	84	84						
					Middle	4.2	0.1	231	17.7	17.7	8.1	8.1	33.5	33.5	99.6	99.7	7.8	7.8	14.1	14.1	11	11	81	81						
						4.2	0.1	233	17.7	17.7	8.1	8.1	33.5	33.5	99.7	99.7	7.8	7.8	14.2	14.2	12	12	82	82						
					Bottom	7.4	0.1	240	17.7	17.7	8.1	8.1	33.5	33.5	100.8	100.9	7.9	7.9	14.1	14.1	14	14	87	87						
						7.4	0.1	259	17.7	17.7	8.1	8.1	33.5	33.5	101.0	101.0	7.9	7.9	13.9	13.9	13	13	88	88						
C2	Rainy	Moderate	12:32	12.6	Surface	1.0	0.4	122	18.9	18.9	8.1	8.1	33.1	33.1	99.4	99.4	7.6	7.6	9.8	9.8	5	5	83	83	825675	806941	<0.2	0.5		
						1.0	0.5	123	18.9	18.9	8.1	8.1	33.1	33.1	99.4	99.4	7.6	7.6	9.7	9.7	4	4	84	84						
					Middle	6.3	0.2	130	18.9	18.9	8.0	8.0	33.1	33.1	99.3	99.3	7.6	7.6	8.7	8.7	5	5	85	85						
						6.3	0.2	130	18.9	18.9	8.0	8.0	33.1	33.1	99.3	99.3	7.6	7.6	8.7	8.7	5	5	85	85						
					Bottom	11.6	0.1	142	18.9	18.9	8.0	8.0	33.1	33.1	99.0	99.0	7.6	7.6	8.3	8.3	6	6	82	82						
						11.6	0.1	145	18.9	18.9	8.0	8.0	33.1	33.1	99.0	99.0	7.6	7.6	8.4	8.4	6	6	82	82						
C3	Rainy	Moderate	10:30	12.1	Surface	1.0	0.4	78	19.0	19.0	8.2	8.2	33.2	33.2	98.9	98.9	7.5	7.5	4.0	4.0	7	7	87	87	822124	817818	<0.2	0.4		
						1.0	0.5	84	19.0	19.0	8.2	8.2	33.2	33.2	98.9	98.9	7.5	7.5	4.0	4.0	8	8	87	87						
					Middle	6.1	0.4	77	19.0	19.0	8.2	8.2	33.2	33.2	98.8	98.8	7.5	7.5	4.0	4.0	9	9	85	85						
						6.1	0.4	80	19.0	19.0	8.2	8.2	33.2	33.2	98.8	98.8	7.5	7.5	3.9	3.9	8	8	86	86						
					Bottom	11.1	0.2	90	19.0	19.0	8.2	8.2	33.2	33.2	98.8	98.8	7.5	7.5	4.4	4.4	10	10	86	86						
						11.1	0.3	92	19.0	19.0	8.2	8.2	33.2	33.2	98.8	98.8	7.5	7.5	4.4	4.4	10	10	86	86						
IM1	Cloudy	Moderate	12:09	5.3	Surface	1.0	0.2	144	17.5	17.6	8.1	8.1	33.5	33.5	97.8	97.8	7.6	7.6	12.2	12.2	5	5	85	85	817959	807151	<0.2	0.6		
						1.0	0.2	146	17.6	17.6	8.1	8.1	33.5	33.5	97.8	97.8	7.6	7.6	12.7	12.7	6	6	85	85						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.3	0.1	200	17.6	17.6	8.1	8.1	33.5	33.5	98.0	98.0	7.7	7.7	15.9	15.9	6	6	89	89						
						4.3	0.1	205	17.6	17.6	8.1	8.1	33.5	33.5	98.0	98.0	7.7	7.7	15.9	15.9	7	7	89	89						
IM2	Cloudy	Moderate	12:04	7.2	Surface	1.0	0.1	155	17.7	17.7	8.1	8.1	33.5	33.5	98.7	98.7	7.7	7.7	10.0	10.0	8	8	82	82	818176	806187	<0.2	0.5		
						1.0	0.1	162	17.7	17.7	8.1	8.1	33.5	33.5	98.7	98.7	7.7	7.7	10.2	10.2	8	8	85	85						
					Middle	3.6	0.1	137	17.7	17.7	8.1	8.1	33.5	33.5	98.6	98.6	7.7	7.7	13.3	13.3	8	8	90	90						
						3.6	0.1	149	17.7	17.7	8.1	8.1	33.5	33.5	98.6	98.6	7.7	7.7	13.3	13.3	8	8	89	89						
					Bottom	6.2	0.2	181	17.6	17.6	8.1	8.1	33.5	33.5	99.0	99.0	7.7	7.7	13.2	13.2	9	9	84	84						
						6.2	0.2	186	17.6	17.6	8.1	8.1	33.5	33.5	99.1	99.1	7.7	7.7	13.1	13.1	9	9	85	85						
IM3	Cloudy	Moderate	11:58	6.9	Surface	1.0	0.2	180	17.8	17.8	8.1	8.1	33.5	33.5	99.2	99.2	7.7	7.7	9.9	9.9	8	8	87	87	818765	805572	<0.2	0.6		
						1.0	0.2	196	17.8	17.8	8.1	8.1	33.5	33.5	99.2	99.2	7.7	7.7	9.9	9.9	7	7	87	87						
					Middle	3.5	0.1	209	17.7	17.7	8.1	8.1	33.5	33.5	99.1	99.1	7.7	7.7	11.3	11.3	8	8	85	85						
						3.5	0.1	214	17.7	17.7	8.1	8.1	33.5	33.5	99.2	99.2	7.7	7.7	11.4	11.4	9	9	84	84						
					Bottom	5.9	0.2	224	17.6	17.6	8.1	8.1	33.5	33.5	100.0	100.1	7.8	7.8	12.8	12.8	10	10	88	88						
						5.9	0.2	225	17.6	17.6	8.1	8.1	33.5	33.5	100.2	100.2	7.8	7.8	12.9	12.9	10	10	87	87						
IM4	Rainy	Moderate	11:52	7.5	Surface	1.0	0.1	202	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7	7.7	11.4	11.4	9	9	89	89	819741	804614	<0.2	0.6		
						1.0	0.2	217	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7	7.7	11.4	11.4	9	9	88	88						
					Middle	3.8	0.2	185	17.7	17.7	8.1	8.1	33.5	33.5	99.1	99.1	7.7	7.7	11.8	11.8	8	8	84	84						
						3.8	0.2	193	17.7	17.7	8.1	8.1	33.5	33.5	99.1	99.1	7.7	7.7	11.9	11.9	10	10	83	83						
					Bottom	6.5	0.1	199	17.7	17.7	8.1	8.1	33.5	33.5	99.8	99.8	7.8	7.8	12.0	12.0	12									

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 January 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen	Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	12:00	8.0	Surface	1.0	0.2	96	18.7	18.7	8.1	8.1	33.2	33.2	99.4	99.4	7.6	3.5	4	84	85	85	85	822087	808822	<0.2	0.4	0.4	0.4	
						1.0	0.3	103	18.7	18.7	8.1	8.1	33.2	33.2	99.4	99.4	7.6	3.5	4	83	85	85	85	822087	808822	<0.2	0.4	0.4	0.4	
					Middle	4.0	0.3	81	18.4	18.4	8.1	8.1	33.3	33.3	98.3	98.2	7.6	3.7	5	85	85	85	85	822087	808822	<0.2	0.4	0.4	0.4	
						4.0	0.3	81	18.4	18.4	8.1	8.1	33.3	33.3	98.1	98.1	7.6	3.9	5	85	85	85	85	822087	808822	<0.2	0.4	0.4	0.4	
					Bottom	7.0	0.3	72	18.2	18.2	8.1	8.1	33.3	33.3	97.4	97.4	7.5	4.6	6	87	87	87	87	822087	808822	<0.2	0.5	0.5	0.5	
						7.0	0.3	74	18.2	18.2	8.1	8.1	33.3	33.3	97.4	97.4	7.5	4.5	5	87	87	87	87	822087	808822	<0.2	0.4	0.4	0.4	
IM10	Rainy	Moderate	11:49	7.7	Surface	1.0	0.5	110	18.8	18.8	8.1	8.1	33.2	33.2	99.3	99.3	7.6	4.1	5	84	84	84	84	822402	809805	<0.2	0.4	0.4	0.4	
						1.0	0.5	116	18.8	18.8	8.1	8.1	33.2	33.2	99.3	99.3	7.6	4.1	6	84	84	84	84	822402	809805	<0.2	0.4	0.4	0.4	
					Middle	3.9	0.4	105	18.8	18.8	8.1	8.1	33.2	33.2	99.1	99.1	7.6	4.3	7	85	85	85	85	822402	809805	<0.2	0.5	0.5	0.5	
						3.9	0.4	108	18.8	18.8	8.1	8.1	33.2	33.2	99.1	99.1	7.6	4.3	7	86	86	86	86	822402	809805	<0.2	0.4	0.4	0.4	
					Bottom	6.7	0.2	118	18.8	18.8	8.1	8.1	33.2	33.2	99.0	99.0	7.6	4.4	8	88	88	88	88	822402	809805	<0.2	0.5	0.5	0.5	
						6.7	0.3	128	18.8	18.8	8.1	8.1	33.2	33.2	99.0	99.0	7.6	4.5	8	88	88	88	88	822402	809805	<0.2	0.4	0.4	0.4	
IM11	Rainy	Moderate	11:38	8.8	Surface	1.0	0.5	120	18.9	18.9	8.1	8.1	33.1	33.1	99.6	99.6	7.6	6.1	5	84	84	84	84	822070	811436	<0.2	0.4	0.5	0.5	
						1.0	0.5	128	18.9	18.9	8.1	8.1	33.1	33.1	99.6	99.6	7.6	6.1	5	84	84	84	84	822070	811436	<0.2	0.5	0.5	0.5	
					Middle	4.4	0.3	114	18.9	18.9	8.1	8.1	33.1	33.1	99.4	99.4	7.6	6.5	6	86	86	86	86	822070	811436	<0.2	0.6	0.6	0.6	
						4.4	0.3	123	18.9	18.9	8.1	8.1	33.2	33.1	99.4	99.4	7.6	6.3	6	86	86	86	86	822070	811436	<0.2	0.5	0.5	0.5	
					Bottom	7.8	0.2	119	18.9	18.9	8.1	8.1	33.2	33.2	99.2	99.2	7.6	5.6	6	86	86	86	86	822070	811436	<0.2	0.5	0.5	0.5	
						7.8	0.2	125	18.9	18.9	8.1	8.1	33.2	33.2	99.2	99.2	7.6	5.7	6	87	87	87	87	822070	811436	<0.2	0.5	0.5	0.5	
IM12	Rainy	Moderate	11:27	8.4	Surface	1.0	0.5	100	19.1	19.1	8.1	8.1	33.3	33.3	99.7	99.7	7.6	5.5	6	83	83	83	83	821436	812030	<0.2	0.5	0.6	0.6	
						1.0	0.6	104	19.1	19.1	8.1	8.1	33.3	33.3	99.7	99.7	7.6	5.5	6	84	84	84	84	821436	812030	<0.2	0.6	0.6	0.6	
					Middle	4.2	0.3	92	19.0	19.0	8.1	8.1	33.3	33.3	99.4	99.4	7.6	7.2	6	86	86	86	86	821436	812030	<0.2	0.6	0.6	0.6	
						4.2	0.3	97	19.0	19.0	8.1	8.1	33.3	33.3	99.4	99.4	7.6	7.3	7	85	85	85	85	821436	812030	<0.2	0.6	0.6	0.6	
					Bottom	7.4	0.2	108	19.0	19.0	8.1	8.1	33.3	33.3	99.2	99.2	7.6	7.9	7	86	86	86	86	821436	812030	<0.2	0.6	0.6	0.6	
						7.4	0.2	110	19.0	19.0	8.1	8.1	33.3	33.3	99.2	99.2	7.6	8.0	8	87	87	87	87	821436	812030	<0.2	0.6	0.6	0.6	
SR1A	Rainy	Moderate	11:03	4.4	Surface	1.0	-	-	19.0	19.0	8.1	8.1	33.2	33.2	98.9	98.9	7.5	4.6	5	-	-	-	-	820064	812580	-	-	-	-	
						1.0	-	-	19.0	19.0	8.1	8.1	33.2	33.2	98.9	98.9	7.5	4.6	5	-	-	-	-	820064	812580	-	-	-	-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	5.0	8	-	-	-	-	820064	812580	-	-	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	5.0	8	-	-	-	-	820064	812580	-	-	-	-	
					Bottom	3.4	-	-	19.0	19.0	8.0	8.0	33.2	33.2	98.7	98.7	7.5	5.0	8	-	-	-	-	820064	812580	-	-	-	-	
						3.4	-	-	19.0	19.0	8.0	8.0	33.2	33.2	98.7	98.7	7.5	5.0	8	-	-	-	-	820064	812580	-	-	-	-	
SR2	Rainy	Moderate	10:50	5.1	Surface	1.0	0.4	129	18.9	18.9	8.1	8.1	33.2	33.2	96.7	96.7	7.4	3.4	4	88	88	88	88	821446	814152	<0.2	0.4	0.5	0.5	
						1.0	0.4	141	18.9	18.9	8.1	8.1	33.2	33.2	96.6	96.6	7.4	3.3	4	88	88	88	88	821446	814152	<0.2	0.5	0.5	0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	3.2	5	-	-	-	-	821446	814152	<0.2	0.6	0.6	0.6	
						-	-	-	-	-	-	-	-	-	-	-	-	3.2	5	-	-	-	-	821446	814152	<0.2	0.6	0.6	0.6	
					Bottom	4.1	0.3	133	19.0	19.0	8.1	8.1	33.2	33.2	95.9	95.9	7.3	3.0	7	93	93	93	93	821446	814152	<0.2	0.6	0.6	0.6	
						4.1	0.3	139	19.0	19.0	8.1	8.1	33.2	33.2	95.9	95.9	7.3	3.0	6	92	92	92	92	821446	814152	<0.2	0.6	0.6	0.6	
SR3	Rainy	Moderate	12:15	9.8	Surface	1.0	0.1	136	19.0	19.0	8.1	8.1	33.1	33.1	99.6	99.6	7.6	7.1	6	-	-	-	-	822160	807574	-	-	-	-	
						1.0	0.1	149	19.0	19.0	8.1	8.1	33.1	33.1	99.5	99.5	7.6	7.0	5	-	-	-	-	822160	807574	-	-	-	-	
					Middle	4.9	0.2	159	19.0	19.0	8.0	8.0	33.1	33.1	99.4	99.4	7.6	7.4	6	-	-	-	-	822160	807574	-	-	-	-	
						4.9	0.3	174	19.0	19.0	8.0	8.0	33.1	33.1	99.4	99.4	7.6	7.6	5	-	-	-	-	822160	807574	-	-	-	-	
					Bottom	8.8	0.3	83	19.0	19.0	8.0	8.0	33.1	33.1	99.2	99.2	7.6	8.6	6	-	-	-	-	822160	807574	-	-	-	-	
						8.8	0.3	88	19.0	19.0	8.0	8.0	33.1	33.1	99.2	99.2	7.6	8.5	6	-	-	-	-	822160	807574	-	-	-	-	
SR4A	Cloudy	Moderate	12:32	8.3	Surface	1.0	0.1	116	17.5	17.5	8.1	8.1	33.5	33.5	99.0	99.0	7.8	8.5	6	-	-	-	-	817201	807814	-	-	-	-	

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 January 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
C1	Cloudy	Moderate	16:18	8.9	Surface	1.0	0.3	67	18.0	18.0	8.1	8.1	33.5	33.5	98.3	98.3	7.6		11.3		11		84		84	815620	804254	<0.2		0.4	
						1.0	0.3	72	18.0		8.1		33.5		98.3		7.6		11.4		12		85					<0.2		0.4	
					Middle	4.5	0.3	46	18.0	18.0	8.1	8.1	33.5	33.5	98.3	98.3	7.6	7.6	12.8	13.6	12	12	86					<0.2		0.4	
						4.5	0.3	48	18.0		8.1		33.5		98.3		7.6		12.9		11		88					<0.2		0.4	
					Bottom	7.9	0.2	18	18.0	18.0	8.1	8.1	33.5	33.5	98.6	98.7	7.7	7.7	16.5		12		80					<0.2		0.4	
						7.9	0.2	18	18.0		8.1		33.5		98.7		7.7		16.8		12		81					<0.2		0.4	
C2	Rainy	Moderate	15:10	12.9	Surface	1.0	0.2	69	17.3	17.3	8.2	8.2	33.2	33.2	100.7	100.7	7.9		4.0		5		83		84	825662	806939	<0.2		0.4	
						1.0	0.2	74	17.3		8.2		33.2		100.6		7.9		4.1		5		84					<0.2		0.5	
					Middle	6.5	0.1	36	17.2	17.2	8.1	8.1	33.1	33.1	99.7	99.6	7.9	7.9	4.4	4.7	6	6	85					<0.2		0.4	
						6.5	0.1	40	17.2		8.1		33.1		99.5		7.9		4.6		5		85					<0.2		0.4	
					Bottom	11.9	0.0	63	16.8	16.8	8.1	8.1	33.1	33.1	98.0	98.1	7.8	7.8	5.5		6		82					<0.2		0.4	
						11.9	0.0	64	16.8		8.1		33.1		98.1		7.8		5.5		6		82					<0.2		0.4	
C3	Cloudy	Moderate	17:30	12.8	Surface	1.0	0.1	235	19.0	19.0	8.1	8.1	33.1	33.1	100.8	100.8	7.7		4.6		5		87		87	822111	817790	<0.2		0.5	
						1.0	0.1	242	19.0		8.1		33.1		100.7		7.7		4.7		5		86					<0.2		0.6	
					Middle	6.4	0.1	279	19.0	19.0	8.1	8.1	33.1	33.1	100.4	100.3	7.7	7.7	4.8	5.3	7	7	84					<0.2		0.5	
						6.4	0.1	294	19.0		8.1		33.1		100.2		7.6		4.9		7		85					<0.2		0.6	
					Bottom	11.8	0.0	246	19.0	19.0	8.1	8.1	33.1	33.1	99.8	99.9	7.6	7.6	6.4		7		89					<0.2		0.5	
						11.8	0.0	251	19.0		8.1		33.1		100.0		7.6		6.4		8		90					<0.2		0.6	
IM1	Cloudy	Moderate	15:57	5.3	Surface	1.0	0.3	25	17.5	17.5	8.1	8.1	33.5	33.5	98.3	98.3	7.7		8.7		5		87		85	817965	807130	<0.2		0.5	
						1.0	0.3	25	17.5		8.1		33.5		98.3		7.7		8.7		6		87					<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	-	8	-	-				<0.2		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2				-		
					Bottom	4.3	0.2	18	17.5	17.5	8.1	8.1	33.5	33.5	99.5	99.6	7.8	7.8	11.0		9		84		<0.2				0.4		
						4.3	0.3	19	17.5		8.1		33.5		99.7		7.8		11.0		10		83		<0.2				0.4		
IM2	Cloudy	Moderate	15:50	7.5	Surface	1.0	0.2	35	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7		10.4		11		83		85	818154	806158	<0.2		0.5	
						1.0	0.2	36	17.7		8.1		33.5		98.9		7.7		10.3		11		84					<0.2		0.4	
					Middle	3.8	0.1	0	17.7	17.7	8.1	8.1	33.5	33.5	98.7	98.7	7.7	7.7	11.1	11.0	10	11	84					<0.2		0.4	
						3.8	0.1	0	17.7		8.1		33.5		98.7		7.7		11.1		11		85					<0.2		0.4	
					Bottom	6.5	0.2	353	17.7	17.7	8.1	8.1	33.5	33.5	99.3	99.4	7.7	7.7	11.7		11		86					<0.2		0.4	
						6.5	0.2	325	17.7		8.1		33.5		99.4		7.7		11.7		12		88					<0.2		0.4	
IM3	Cloudy	Moderate	15:44	7.7	Surface	1.0	0.3	16	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7		8.8		8		87		83	818777	805609	<0.2		0.4	
						1.0	0.3	17	17.7		8.1		33.5		98.9		7.7		8.9		7		87					<0.2		0.4	
					Middle	3.9	0.2	15	17.7	17.7	8.1	8.1	33.5	33.5	98.9	98.9	7.7	7.7	9.6	9.4	9	8	85					<0.2		0.4	
						3.9	0.2	16	17.7		8.1		33.5		98.9		7.7		9.6		8		79					<0.2		0.4	
					Bottom	6.7	0.2	6	17.7	17.7	8.1	8.1	33.5	33.5	99.1	99.2	7.7	7.7	10.0		8		84					<0.2		0.4	
						6.7	0.2	6	17.7		8.1		33.5		99.2		7.7		9.9		9		84					<0.2		0.4	
IM4	Cloudy	Moderate	15:34	7.7	Surface	1.0	0.2	350	17.8	17.8	8.1	8.1	33.5	33.5	99.4	99.4	7.7		12.8		14		87		86	819742	804605	<0.2		0.4	
						1.0	0.2	322	17.8		8.1		33.5		99.4		7.7		12.8		14		85					<0.2		0.4	
					Middle	3.9	0.3	354	17.8	17.8	8.1	8.1	33.5	33.5	99.3	99.3	7.7	7.7	14.7	14.8	14	15	86					<0.2		0.4	
						3.9	0.3	357	17.8		8.1		33.5		99.3		7.7		14.7		15		84					<0.2		0.5	
					Bottom	6.7	0.2	17	17.8	17.8	8.1	8.1	33.5	33.5	99.6	99.6	7.7	7.8	16.8		16		88					<0.2		0.4	
						6.7	0.3	17	17.8		8.1		33.5		99.6		7.8		17.0		17		87					<0.2		0.4	
IM5	Cloudy	Moderate	15:26	7.3	Surface	1.0	0.3	1	17.6	17.6	8.1	8.1	33.5	33.5	99.7	99.7	7.8		8.9		7		78		85	820754	804875	<0.2		0.4	
						1.0	0.																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 January 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen	Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Rainy	Moderate	15:54	8.4	Surface	1.0	0.2	99	19.1	19.1	8.2	8.2	33.1	33.1	100.1	100.1	7.6		6.6		4		88		85	822098	808818	<0.2	0.4	0.4
						1.0	0.2	101	19.1		8.2		33.1		100.0		7.6		6.6				87					<0.2	0.4	
					Middle	4.2	0.3	280	19.1	19.1	8.2	8.2	33.1	33.1	99.7	99.7	7.6	7.6	5.6	6.0	4	5	81	85				<0.2	0.5	
						4.2	0.3	283	19.1		8.2		33.1		99.7		7.6		5.7				80					<0.2	0.5	
					Bottom	7.4	0.3	287	19.1	19.1	8.1	8.1	33.1	33.1	99.6	99.6	7.6	7.6	5.6		5		86					<0.2	0.4	
						7.4	0.3	294	19.1		8.1		33.1		99.6		7.6	7.6	5.6		6		86					<0.2	0.4	
IM10	Rainy	Moderate	16:03	8.2	Surface	1.0	0.3	92	19.1	19.1	8.1	8.1	33.1	33.1	99.9	99.9	7.6		5.4		5		83		87	822380	809815	<0.2	0.4	0.4
						1.0	0.3	95	19.1		8.1		33.1		99.9		7.6		5.4		6		84					<0.2	0.4	
					Middle	4.1	0.2	271	19.1	19.1	8.1	8.1	33.1	33.1	99.8	99.8	7.6	7.6	5.6	5.6	6	6	89	85				<0.2	0.4	
						4.1	0.2	271	19.1		8.1		33.1		99.8		7.6		5.7		7		87					<0.2	0.5	
					Bottom	7.2	0.1	238	19.0	19.0	8.1	8.1	33.1	33.1	99.4	99.4	7.6	7.6	6.0		6		90					<0.2	0.4	
						7.2	0.1	244	19.0		8.1		33.1		99.4		7.6	7.6	5.9		7		90					<0.2	0.4	
IM11	Rainy	Moderate	16:14	8.3	Surface	1.0	0.1	321	19.1	19.1	8.1	8.1	33.1	33.1	100.1	100.1	7.6		6.0		5		83		85	822061	811481	<0.2	0.4	0.4
						1.0	0.1	347	19.1		8.1		33.1		100.1		7.6		5.9		4		84					<0.2	0.4	
					Middle	4.2	0.1	336	19.1	19.1	8.1	8.1	33.1	33.1	99.9	99.9	7.6	7.6	6.2	6.1	5	6	85	85				<0.2	0.4	
						4.2	0.1	337	19.1		8.1		33.1		99.8		7.6		6.2		6		85					<0.2	0.4	
					Bottom	7.3	0.1	38	19.0	19.0	8.1	8.1	33.1	33.1	99.5	99.5	7.6	7.6	6.3		7		87					<0.2	0.4	
						7.3	0.1	39	19.0		8.1		33.1		99.5		7.6	7.6	6.3		8		87					<0.2	0.4	
IM12	Rainy	Moderate	16:28	11.1	Surface	1.0	0.2	250	19.0	19.0	8.1	8.1	33.1	33.1	100.5	100.5	7.7		5.2		7		87		85	821438	812063	<0.2	0.4	0.5
						1.0	0.2	252	19.0		8.1		33.1		100.5		7.7	7.7	5.1		6		88					<0.2	0.4	
					Middle	5.6	0.1	247	19.0	19.0	8.1	8.1	33.1	33.1	100.4	100.4	7.7	5.2	5.3	5.2	6	7	81	81				<0.2	0.5	
						5.6	0.1	247	19.0		8.1		33.1		100.4		7.7		5.3		6		82					<0.2	0.5	
					Bottom	10.1	0.1	219	19.0	19.0	8.1	8.1	33.1	33.1	100.3	100.3	7.6	7.6	5.1		8		86					<0.2	0.5	
						10.1	0.2	221	19.0		8.1		33.1		100.3		7.6	7.6	5.1		9		85					<0.2	0.4	
SR1A	Cloudy	Moderate	16:54	4.6	Surface	1.0	-	-	18.9	18.9	8.1	8.1	33.2	33.2	101.9	101.9	7.8		3.6		4		-		-	820066	812586	-	-	-
						1.0	-	-	18.9		8.1		33.2		101.9		7.8	7.8	3.6		5		-					-	-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-				3.3	4	-	-				-	-	
						2.3	-	-	-		-		-		-		-						-					-	-	
					Bottom	3.6	-	-	18.9	18.9	8.1	8.1	33.2	33.2	101.6	101.6	7.8	7.8	3.1		4		-					-	-	
						3.6	-	-	18.9		8.1		33.2		101.6		7.8	7.8	3.1		4		-					-	-	
SR2	Cloudy	Moderate	17:08	4.8	Surface	1.0	0.3	326	19.0	19.0	8.1	8.1	33.2	33.2	100.2	100.2	7.6		4.1		5		83		86	821474	814185	<0.2	0.5	0.4
						1.0	0.3	327	19.0		8.1		33.2		100.1		7.6	7.6	4.2	4.6	6		84					<0.2	0.4	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-					6		-				<0.2	0.4	
						-	-	-	-		-		-		-		-						-		<0.2			0.4		
					Bottom	3.8	0.3	329	18.9	18.9	8.1	8.1	33.2	33.2	99.4	99.4	7.6	7.6	5.1		7		89		<0.2			0.4		
						3.8	0.3	349	18.9		8.1		33.2		99.5		7.6	7.6	5.0		6		88		<0.2			0.4		
SR3	Rainy	Moderate	15:36	10.5	Surface	1.0	0.2	100	18.8	18.8	8.1	8.1	33.3	33.3	100.1	100.1	7.6		4.2		5		-		-	822158	807558	-	-	-
						1.0	0.2	105	18.8		8.1		33.3		100.0		7.6	7.6	4.2		4		-					-	-	
					Middle	5.3	0.3	86	18.8	18.8	8.1	8.1	33.3	33.3	99.7	99.7	7.6	7.6	4.8	4.9	5	5	-	-				-	-	
						5.3	0.3	90	18.8		8.1		33.3		99.7		7.6		5.0		5		-					-	-	
					Bottom	9.5	0.3	63	18.8	18.8	8.1	8.1	33.3	33.3	99.7	99.7	7.6	7.6	5.5		6		-					-	-	
						9.5	0.3	63	18.8		8.1		33.3		99.8		7.6	7.6	5.4		5		-					-	-	
SR4A	Cloudy	Moderate	16:37	9.7	Surface	1.0	0.1	237	17.5	17.5	8.1	8.1	33.1	33.1	98.4	98.4	7.7		7.1		7		-		-	817209	807825	-	-	-
						1.0	0.1	244	17.5		8.1		33.1		98.4		7.7	7.7	7.1		8		-							

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 January 19 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)		
C1	Foggy	Moderate	12:48	8.8	Surface	1.0	0.1	200	18.5	18.5	8.2	8.2	33.2	33.2	98.0	98.1	7.5	7.5	13.4	9.4	4	5	85	86	86	815622	804247	<0.2	<0.2	<0.2	0.8	0.8
						1.0	0.1	208	18.5		8.2		33.2		98.1		7.5		13.4		5		85					<0.2	<0.2	<0.2	0.9	0.9
					Middle	4.4	0.1	221	18.5	18.5	8.1	8.1	33.2	33.2	99.3	99.6	7.6	7.6	7.8		4	5	86	86				<0.2	<0.2	<0.2	0.8	0.8
						4.4	0.1	230	18.5		8.1		33.2		99.9		7.7		7.9		4		87					<0.2	<0.2	<0.2	0.8	0.8
					Bottom	7.8	0.1	237	18.5	18.5	8.1	8.1	33.2	33.2	97.8	97.8	7.5	7.5	6.7		7	8	87	87				<0.2	<0.2	<0.2	0.9	0.9
						7.8	0.1	254	18.5		8.1		33.2		97.8		7.5	7.5	6.9		6		87					<0.2	<0.2	<0.2	0.8	0.8
C2	Foggy	Moderate	14:28	12.4	Surface	1.0	0.1	138	18.2	18.2	8.1	8.1	32.9	32.9	97.3	97.3	7.5	7.5	7.1	7.5	9	9	85	85	86	825700	806968	<0.2	<0.2	<0.2	0.6	0.6
						1.0	0.1	138	18.2		8.1		32.9		97.3		7.5		7.2		9		84					<0.2	<0.2	<0.2	0.6	0.6
					Middle	6.2	0.1	208	18.1	18.1	8.1	8.1	32.9	32.9	97.2	97.2	7.5	7.5	7.7	7.5	7	7	85	85				<0.2	<0.2	<0.2	0.6	0.6
						6.2	0.1	208	18.1		8.1		32.9		97.2		7.5		7.7		7		85					<0.2	<0.2	<0.2	0.6	0.6
					Bottom	11.4	0.1	228	18.1	18.1	8.1	8.1	32.9	32.9	97.6	97.8	7.6	7.6	7.8	7.6	7	7	87	87				<0.2	<0.2	<0.2	0.6	0.6
						11.4	0.1	230	18.1		8.1		32.9		97.9		7.6	7.6	7.7		8		88					<0.2	<0.2	<0.2	0.6	0.6
C3	Foggy	Moderate	12:36	11.7	Surface	1.0	0.2	49	18.8	18.8	8.1	8.1	33.3	33.3	94.3	94.3	7.2	7.2	4.5	4.9	5	6	86	86	87	822132	817791	<0.2	<0.2	<0.2	0.5	0.5
						1.0	0.2	50	18.8		8.1		33.3		94.2		7.2		4.5		6		86					<0.2	<0.2	<0.2	0.5	0.5
					Middle	5.9	0.1	66	18.6	18.6	8.1	8.1	33.3	33.3	94.1	94.2	7.2	7.2	5.0		6	6	87	87				<0.2	<0.2	<0.2	0.5	0.5
						5.9	0.1	67	18.6		8.1		33.3		94.2		7.2		5.0		6		87					<0.2	<0.2	<0.2	0.5	0.5
					Bottom	10.7	0.1	109	18.6	18.6	8.1	8.1	33.3	33.3	94.7	94.8	7.3	7.3	5.1		6	6	88	88				<0.2	<0.2	<0.2	0.4	0.4
						10.7	0.1	113	18.6		8.1		33.3		94.8		7.3	7.3	5.1		7		89					<0.2	<0.2	<0.2	0.4	0.4
IM1	Foggy	Moderate	13:10	5.2	Surface	1.0	0.2	142	18.5	18.5	8.1	8.1	33.2	33.2	97.7	97.8	7.5	7.5	7.9	7.5	7	6	86	86	87	817960	807116	<0.2	<0.2	<0.2	0.9	0.9
						1.0	0.2	144	18.5		8.1		33.2		97.8		7.5		8.1		6		86					<0.2	<0.2	<0.2	0.9	0.9
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-			<0.2	<0.2	<0.2	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2			<0.2	<0.2	-	-	
					Bottom	4.2	0.1	209	18.5	18.5	8.1	8.1	33.2	33.2	99.3	99.6	7.6	7.7	6.5		6	6	88	88	<0.2			<0.2	<0.2	0.8	0.8	
						4.2	0.1	226	18.5		8.1		33.2		99.9		7.7	7.7	6.5		5		87		<0.2			<0.2	<0.2	0.8	0.8	
IM2	Foggy	Moderate	13:17	7.4	Surface	1.0	0.1	154	18.6	18.6	8.1	8.1	33.2	33.2	98.6	98.6	7.6	7.6	5.4	6.1	7	7	86	86	87	818159	806174	<0.2	<0.2	<0.2	0.9	0.9
						1.0	0.1	163	18.6		8.1		33.2		98.6		7.6		5.4		7		85					<0.2	<0.2	<0.2	0.8	0.8
					Middle	3.7	0.1	139	18.6	18.6	8.1	8.1	33.2	33.2	98.3	98.4	7.6	7.6	6.3		5	6	87	87				<0.2	<0.2	<0.2	0.9	0.9
						3.7	0.1	152	18.6		8.1		33.2		98.4		7.6		6.4		5		87					<0.2	<0.2	<0.2	0.9	0.9
					Bottom	6.4	0.2	176	18.6	18.6	8.1	8.1	33.2	33.2	100.0	100.3	7.7	7.7	6.5		5	6	86	86				<0.2	<0.2	<0.2	0.9	0.9
						6.4	0.2	185	18.6		8.1		33.2		100.6		7.7	7.7	6.4		5		88					<0.2	<0.2	<0.2	1.0	1.0
IM3	Foggy	Moderate	13:29	7.6	Surface	1.0	0.2	179	18.6	18.6	8.1	8.1	33.0	33.0	98.4	98.4	7.6	7.6	7.8	8.9	7	8	86	87	85	818797	805614	<0.2	<0.2	<0.2	0.8	0.7
						1.0	0.2	190	18.6		8.1		33.0		98.4		7.6		7.8		8		87					<0.2	<0.2	<0.2	0.7	0.7
					Middle	3.8	0.1	202	18.6	18.6	8.1	8.1	33.0	33.0	98.3	98.3	7.6	7.6	8.5		4	5	87	87				<0.2	<0.2	<0.2	0.9	0.9
						3.8	0.1	213	18.6		8.1		33.1		98.3		7.6		8.9		4		79					<0.2	<0.2	<0.2	0.8	0.8
					Bottom	6.6	0.2	222	18.5	18.5	8.1	8.1	33.2	33.1	99.0	99.2	7.6	7.6	10.0		3	3	86	86				<0.2	<0.2	<0.2	0.8	0.8
						6.6	0.2	230	18.5		8.1		33.1		99.4		7.6	7.6	10.5		3		85					<0.2	<0.2	<0.2	0.8	0.8
IM4	Foggy	Moderate	13:38	7.6	Surface	1.0	0.1	208	18.5	18.5	8.1	8.1	33.2	33.2	98.4	98.4	7.6	7.6	12.3	13.7	2	2	86	86	87	819711	804589	<0.2	<0.2	<0.2	0.8	0.8
						1.0	0.1	220	18.5		8.1		33.2		98.4		7.6		12.4		2		86					<0.2	<0.2	<0.2	0.8	0.8
					Middle	3.8	0.2	184	18.4	18.4	8.1	8.1	33.2	33.2	98.9	99.1	7.6	7.6	14													

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 January 19 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	Average	DA	Value	DA	
IM9	Foggy	Moderate	13:52	7.2	Surface	1.0	0.3	101	18.1	18.1	8.1	8.1	33.3	33.3	97.8	97.9	7.6		12.7		16		84		86	822084	808824	<0.2	<0.2		0.5	
						1.0	0.3	103	18.1		8.1		33.3		97.9		7.6		12.9		15		84					<0.2	<0.2		0.5	
					Middle	3.6	0.3	115	18.1	18.1	8.1	8.1	33.3		98.7	98.9	7.6	7.6	14.2		15		86					<0.2	<0.2	<0.2	0.5	
						3.6	0.4	118	18.1		8.1		33.3	33.3	99.0		7.7		14.3		14		86					<0.2	<0.2		0.5	
					Bottom	6.2	0.3	114	17.9	17.9	8.1	8.1	33.4		101.0	101.2	7.8	7.9	16.4		14		88					<0.2	<0.2		0.5	
						6.2	0.3	115	17.8		8.1		33.5		101.3		7.9		15.5		14		88					<0.2	<0.2		0.5	
IM10	Foggy	Moderate	13:44	7.7	Surface	1.0	0.5	57	18.2	18.2	8.1	8.1	33.1	33.1	97.7	97.7	7.6		8.7		11		84		87	822369	809804	<0.2	<0.2		0.5	
						1.0	0.5	60	18.2		8.1		33.1		97.7		7.6		8.7		10		85					<0.2	<0.2		0.5	
					Middle	3.9	0.4	56	18.2	18.2	8.1	8.1	33.2	33.2	97.8	97.8	7.6	7.6	9.2		13		86					<0.2	<0.2	<0.2	0.5	
						3.9	0.4	58	18.2		8.1		33.2		97.8		7.6		9.4		13		86					<0.2	<0.2		0.4	
					Bottom	6.7	0.3	74	18.1	18.1	8.1	8.1	33.3	33.3	98.9	99.2	7.7	7.7	10.0		17		89					<0.2	<0.2		0.4	
						6.7	0.3	81	18.1		8.1		33.2		99.4		7.7		9.8		16		89					<0.2	<0.2		0.4	
IM11	Foggy	Moderate	13:36	8.1	Surface	1.0	0.0	169	18.3	18.3	8.1	8.1	33.4	33.4	97.8	97.8	7.6		6.5		7		85		86	822058	811455	<0.2	<0.2		0.4	
						1.0	0.0	178	18.3		8.1		33.4		97.8		7.5		6.6		6		85					<0.2	<0.2		0.5	
					Middle	4.1	0.1	62	18.2	18.2	8.1	8.1	33.3	33.3	97.8	97.9	7.6	7.6	7.1		6		86					<0.2	<0.2	<0.2	0.4	
						4.1	0.1	62	18.2		8.1		33.3		97.9		7.6		7.2		7		86					<0.2	<0.2		0.4	
					Bottom	7.1	0.1	109	18.2	18.2	8.1	8.1	33.3	33.3	99.9	100.3	7.7	7.8	9.2		8		88					<0.2	<0.2		0.5	
						7.1	0.1	118	18.2		8.1		33.3		100.6		7.8		9.2		8		87					<0.2	<0.2		0.4	
IM12	Foggy	Moderate	13:24	8.2	Surface	1.0	0.0	17	18.1	18.1	8.1	8.1	33.3	33.3	97.1	97.1	7.5		7.5		9		85		86	821481	812040	<0.2	<0.2		0.4	
						1.0	0.0	18	18.1		8.1		33.3		97.1		7.5		7.5		8		85					<0.2	<0.2		0.5	
					Middle	4.1	0.2	100	18.1	18.1	8.1	8.1	33.3	33.3	97.2	97.3	7.5	7.5	9.4		7		86					<0.2	<0.2	<0.2	0.4	
						4.1	0.2	109	18.1		8.1		33.3		97.4		7.5		9.8		8		86					<0.2	<0.2		0.4	
					Bottom	7.2	0.1	52	18.1	18.1	8.1	8.1	33.3	33.3	99.3	99.6	7.7	7.7	12.5		7		88					<0.2	<0.2		0.4	
						7.2	0.1	54	18.1		8.1		33.3		99.9		7.7		12.5		7		87					<0.2	<0.2		0.5	
SR1A	Foggy	Moderate	13:01	4.8	Surface	1.0	-	-	18.1	18.1	8.1	8.1	33.2	33.2	97.1	97.2	7.5		8.9		17		-		-	819983	812655	-	-		-	
						1.0	-	-	18.1		8.1		33.2		97.3		7.5		9.0		16		-					-	-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-					-	-		-	
						2.4	-	-	-		-		-		-		-		-		-		-					-	-		-	
					Bottom	3.8	-	-	18.1	18.1	8.1	8.1	33.2	33.2	99.5	99.7	7.7	7.7	9.2		19		-					-	-		-	
						3.8	-	-	18.1		8.1		33.2		99.8		7.7		9.2		20		-					-	-		-	
SR2	Foggy	Moderate	12:49	4.6	Surface	1.0	0.3	71	18.3	18.3	8.1	8.1	33.4	33.4	97.2	97.2	7.5		7.7		7		85		87	821485	814178	<0.2	<0.2		0.5	
						1.0	0.3	71	18.3		8.1		33.4		97.2		7.5		7.7		6		85					<0.2	<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-					-	-	<0.2	-	
						-	-	-	-		-		-		-		-		-		-		-					-	-		-	
					Bottom	3.6	0.3	62	18.3	18.3	8.1	8.1	33.4	33.4	97.5	97.7	7.5	7.6	9.5		6		89					<0.2	<0.2		0.5	
						3.6	0.3	62	18.3		8.1		33.4		97.9		7.6		8.4		7		88					<0.2	<0.2		0.5	
SR3	Foggy	Moderate	14:10	8.8	Surface	1.0	0.2	124	18.2	18.2	8.1	8.1	33.0	33.0	97.5	97.6	7.6		8.5		8		-		-	822124	807568	-	-		-	
						1.0	0.2	125	18.2		8.1		33.0		97.6		7.6		8.8		8		-					-	-		-	
					Middle	4.4	0.3	94	18.1	18.1	8.1	8.1	33.1	33.1	97.7	97.7	7.6	7.6	11.0		10		-					-	-		-	
						4.4	0.4	101	18.1		8.1		33.1		97.7		7.6		11.1		11		-					-	-		-	
					Bottom	7.8	0.3	68	18.0	18.0	8.1	8.1	33.3	33.3	97.5	97.5	7.6	7.6	14.2		10		-					-	-		-	
						7.8	0.3	68	18.0		8.1		33.3		97.4		7.6		14.1		9		-					-	-		-	
SR4A	Foggy	Moderate	12:21	9.4	Surface	1.0	0.1	111	18.7	18.7	8.1	8.1	33.2	33.2	97.9	97.9	7.5		6.2		5		-		-	817209	807795	-	-		-	
						1.0	0.1	112	18.7		8.1		33.2		97.9		7.5		6.6		4		-					-	-		-	

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 January 19 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	DA	Value	DA		
C1	Foggy	Moderate	17:33	8.1	Surface	1.0	0.4	65	18.5	18.5	8.1	8.1	33.2	33.2	98.1	98.2	7.6	7.6	10.4	10.8	6	6	86	86	815621	804262	<0.2	<0.2	<0.2	0.9	0.9		
						1.0	0.4	66	18.5		8.1	8.1	33.2	33.2	98.2	98.2	7.6	7.6	10.5		6		85				<0.2	<0.2	0.9				
					Middle	4.1	0.3	55	18.5	18.5	8.1	8.1	33.2	33.2	98.6	98.7	7.6	7.6	11.5	10.8	5	6	85	86			<0.2	<0.2	<0.2	0.9	0.9		
						4.1	0.3	57	18.5		8.1	8.1	33.2	33.2	98.7	98.7	7.6	7.6	11.6		5		85				<0.2	<0.2		0.9			
					Bottom	7.1	0.2	21	18.4	18.4	8.1	8.1	33.2	33.2	98.8	98.8	7.6	7.6	10.4	10.8	6	6	88	88			<0.2	<0.2	<0.2	0.8	0.9		
						7.1	0.2	22	18.4		8.1	8.1	33.2	33.2	99.1	99.1	7.6	7.6	10.4		6		88				<0.2	<0.2		0.9			
C2	Foggy	Moderate	16:13	11.4	Surface	1.0	0.2	60	18.2	18.2	8.1	8.1	32.8	32.8	97.0	97.0	7.5	7.5	7.2	7.8	8	9	84	85	825702	806952	<0.2	<0.2	<0.2	0.5	0.6		
						1.0	0.2	63	18.2		8.1	8.1	32.8	32.8	97.0	97.0	7.5	7.5	7.3		7		84				<0.2	<0.2		0.6			
					Middle	5.7	0.1	62	18.1	18.1	8.1	8.1	32.9	33.0	97.1	97.1	7.5	7.5	8.1	7.8	9	9	86	86			<0.2	<0.2	<0.2	0.6	0.6		
						5.7	0.1	64	18.1		8.1	8.1	33.0	33.0	97.1	97.1	7.5	7.5	8.2		9		86				<0.2	<0.2		0.6			
					Bottom	10.4	0.0	75	18.1	18.1	8.1	8.1	33.0	33.0	97.1	97.1	7.5	7.5	8.0	7.8	9	10	86	86			<0.2	<0.2	<0.2	0.6	0.6		
						10.4	0.0	76	18.1		8.1	8.1	32.9	33.0	97.1	97.1	7.5	7.5	7.9		10		86				<0.2	<0.2		0.6			
C3	Foggy	Moderate	18:22	11.9	Surface	1.0	0.3	259	18.5	18.5	8.1	8.1	33.3	33.3	94.7	94.7	7.3	7.3	7.2	12.1	8	9	86	86	822104	817823	<0.2	<0.2	<0.2	0.6	0.6		
						1.0	0.3	283	18.5		8.1	8.1	33.3	33.3	94.7	94.7	7.3	7.3	7.4		7		87	87			<0.2	<0.2		0.6			
					Middle	6.0	0.4	263	18.5	18.5	8.1	8.1	33.3	33.3	94.6	94.6	7.3	7.3	12.4	12.1	9	9	86				<0.2	<0.2	<0.2	0.6	0.6		
						6.0	0.4	285	18.5		8.1	8.1	33.3	33.3	94.6	94.6	7.3	7.3	12.5		9		87	87			<0.2	<0.2		0.6			
					Bottom	10.9	0.3	274	18.5	18.5	8.1	8.1	33.3	33.3	94.7	94.7	7.3	7.3	16.5	7.3	9	10	85	85			<0.2	<0.2	<0.2	0.6	0.6		
						10.9	0.3	296	18.5		8.1	8.1	33.3	33.3	94.7	94.7	7.3	7.3	16.8		10		85				<0.2	<0.2		0.6			
IM1	Foggy	Moderate	17:12	5.1	Surface	1.0	0.3	29	18.4	18.4	8.1	8.1	33.2	33.2	98.1	98.1	7.6	7.6	9.7	10.0	4	4	85	85	817972	807125	<0.2	<0.2	<0.2	0.9	0.9		
						1.0	0.3	29	18.4		8.1	8.1	33.2	33.2	98.1	98.1	7.6	7.6	9.7		4		84	87			<0.2	<0.2		0.8			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	-	4	-	87			-	-	<0.2	-	0.9		
						-	-	-	-		-	-	-	-	-	-	-	-	-		-		-	-		-							
					Bottom	4.1	0.2	22	18.4	18.4	8.1	8.1	33.2	33.2	98.2	98.2	7.6	7.6	10.2	10.0	4	4	89	89	817972	807125	<0.2	<0.2	<0.2	0.9	0.9		
						4.1	0.3	23	18.4		8.1	8.1	33.2	33.2	98.2	98.2	7.6	7.6	10.3		4		89				<0.2	<0.2		0.9			
IM2	Foggy	Moderate	17:01	7.3	Surface	1.0	0.2	37	18.5	18.5	8.1	8.1	33.2	33.2	97.8	97.8	7.5	7.5	8.8	10.4	3	4	86	86	818144	806145	<0.2	<0.2	<0.2	0.8	0.9		
						1.0	0.2	37	18.5		8.1	8.1	33.2	33.2	97.8	97.8	7.5	7.5	9.1		4		85	87			<0.2	<0.2		0.8			
					Middle	3.7	0.1	11	18.5	18.5	8.1	8.1	33.2	33.2	97.8	97.8	7.5	7.5	10.9	10.4	4	4	88	88			<0.2	<0.2	<0.2	0.9	0.9		
						3.7	0.1	11	18.5		8.1	8.1	33.2	33.2	97.8	97.8	7.5	7.5	11.0		4		89	86			<0.2	<0.2		0.8			
					Bottom	6.3	0.2	347	18.5	18.5	8.1	8.1	33.2	33.2	98.3	98.3	7.6	7.6	11.4	7.6	5	5	86	86			<0.2	<0.2	<0.2	1.0	1.0		
						6.3	0.2	319	18.5		8.1	8.1	33.2	33.2	98.6	98.6	7.6	7.6	11.2		5		87				<0.2	<0.2		1.0			
IM3	Foggy	Moderate	16:53	6.8	Surface	1.0	0.3	17	18.5	18.5	8.1	8.1	33.2	33.2	98.1	98.1	7.5	7.5	8.1	9.1	4	4	89	88	818785	805572	<0.2	<0.2	<0.2	0.8	0.9		
						1.0	0.3	17	18.5		8.1	8.1	33.2	33.2	98.0	98.0	7.5	7.5	8.0		3		88	88			<0.2	<0.2		0.9			
					Middle	3.4	0.2	19	18.5	18.5	8.1	8.1	33.2	33.2	97.9	97.9	7.5	7.5	9.0	9.1	4	4	85	85			<0.2	<0.2	<0.2	0.8	0.9		
						3.4	0.2	20	18.5		8.1	8.1	33.2	33.2	97.9	97.9	7.5	7.5	9.5		4		86	88			<0.2	<0.2		0.9			
					Bottom	5.8	0.2	12	18.5	18.5	8.1	8.1	33.2	33.2	98.3	98.3	7.6	7.6	10.8	7.6	4	4	88	88			<0.2	<0.2	<0.2	0.9	0.9		
						5.8	0.2	12	18.5		8.1	8.1	33.2	33.2																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 January 19 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	DA	Value	DA
IM9	Foggy	Moderate	16:51	7.4	Surface	1.0	0.2	45	18.1	18.1	8.1	8.1	33.0	33.0	97.2	97.2	7.5	8.7	7	7	84	86	822089	808790	<0.2	<0.2	<0.2	0.7	0.7	
						1.0	0.2	45	18.1	18.1	8.1	8.1	33.0	33.0	97.2	97.2	7.5	9.0	6	6	84	86			<0.2	<0.2	<0.2	0.6		
					Middle	3.7	0.3	64	18.1	18.1	8.1	8.1	33.1	33.1	97.3	97.4	7.5	10.8	6	7	85	86			<0.2	<0.2	<0.2	0.7		
						3.7	0.3	67	18.1	18.1	8.1	8.1	33.1	33.1	97.4	97.4	7.6	10.8	6	7	85	86			<0.2	<0.2	<0.2	0.8		
					Bottom	6.4	0.1	43	18.1	18.1	8.1	8.1	33.1	33.1	98.4	98.6	7.6	10.7	8	8	87	89			<0.2	<0.2	<0.2	0.7		
						6.4	0.1	44	18.1	18.1	8.1	8.1	33.1	33.1	98.8	98.7	7.7	10.5	7	7	89	89			<0.2	<0.2	<0.2	0.7		
IM10	Foggy	Moderate	17:03	7.8	Surface	1.0	0.2	350	18.1	18.1	8.1	8.1	33.3	33.3	97.3	97.3	7.5	8.9	9	8	85	86	822384	809786	<0.2	<0.2	<0.2	0.5	0.5	
						1.0	0.2	322	18.1	18.1	8.1	8.1	33.3	33.3	97.3	97.3	7.5	8.9	8	9	84	86			<0.2	<0.2	<0.2	0.5		
					Middle	3.9	0.2	351	18.1	18.1	8.1	8.1	33.3	33.3	97.3	97.3	7.5	9.7	10	9	86	86			<0.2	<0.2	<0.2	0.5		
						3.9	0.2	359	18.1	18.1	8.1	8.1	33.3	33.3	97.3	97.3	7.5	9.7	9	9	86	88			<0.2	<0.2	<0.2	0.5		
					Bottom	6.8	0.2	351	18.1	18.1	8.1	8.1	33.3	33.3	98.2	98.5	7.6	10.8	8	8	88	89			<0.2	<0.2	<0.2	0.5		
						6.8	0.2	323	18.1	18.1	8.1	8.1	33.3	33.3	98.7	98.7	7.6	10.8	9	9	89	89			<0.2	<0.2	<0.2	0.5		
IM11	Foggy	Moderate	17:11	8.4	Surface	1.0	0.2	271	18.1	18.1	8.1	8.1	33.3	33.3	97.1	97.1	7.5	9.2	8	9	84	84	822040	811448	<0.2	<0.2	<0.2	0.5	0.5	
						1.0	0.2	282	18.1	18.1	8.1	8.1	33.3	33.3	97.1	97.1	7.5	9.4	9	8	84	85			<0.2	<0.2	<0.2	0.5		
					Middle	4.2	0.3	319	18.1	18.1	8.1	8.1	33.3	33.3	97.2	97.2	7.5	10.7	9	8	85	86			<0.2	<0.2	<0.2	0.4		
						4.2	0.3	339	18.1	18.1	8.1	8.1	33.3	33.3	97.2	97.2	7.5	10.8	8	7	86	87			<0.2	<0.2	<0.2	0.6		
					Bottom	7.4	0.3	306	18.1	18.1	8.1	8.1	33.3	33.3	98.0	98.2	7.6	11.2	7	7	87	87			<0.2	<0.2	<0.2	0.5		
						7.4	0.3	326	18.1	18.1	8.1	8.1	33.3	33.3	98.4	98.4	7.6	11.3	7	7	87	87			<0.2	<0.2	<0.2	0.5		
IM12	Foggy	Moderate	17:18	8.2	Surface	1.0	0.1	298	18.0	18.0	8.1	8.1	33.3	33.3	97.4	97.4	7.5	9.7	9	10	84	85	821480	812041	<0.2	<0.2	<0.2	0.6	0.7	
						1.0	0.1	305	18.0	18.0	8.1	8.1	33.3	33.3	97.3	97.3	7.5	9.9	10	10	85	86			<0.2	<0.2	<0.2	0.5		
					Middle	4.1	0.2	266	18.0	18.0	8.1	8.1	33.3	33.3	97.4	97.5	7.6	10.4	10	9	86	86			<0.2	<0.2	<0.2	0.7		
						4.1	0.2	279	18.0	18.0	8.1	8.1	33.3	33.3	97.5	97.5	7.6	10.3	9	9	86	87			<0.2	<0.2	<0.2	0.7		
					Bottom	7.2	0.1	285	18.0	18.0	8.1	8.1	33.3	33.3	98.4	98.6	7.6	10.6	11	11	87	87			<0.2	<0.2	<0.2	0.7		
						7.2	0.1	305	18.0	18.0	8.1	8.1	33.3	33.3	98.8	98.8	7.7	10.6	11	11	87	87			<0.2	<0.2	<0.2	0.7		
SR1A	Foggy	Moderate	17:43	4.8	Surface	1.0	-	-	18.1	18.1	8.1	8.1	33.2	33.2	95.1	95.1	7.4	6.5	6	6	-	-	820001	812663	-	-	-	-	-	
						1.0	-	-	18.1	18.1	8.1	8.1	33.2	33.2	95.1	95.1	7.4	6.5	6	6	-	-			-	-	-	-		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	7.4	-	-	-	-	-			-	-	-	-		
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-		
					Bottom	3.8	-	-	18.1	18.1	8.1	8.1	33.2	33.2	95.2	95.2	7.4	9.7	5	5	-	-			-	-	-	-		
						3.8	-	-	18.1	18.1	8.1	8.1	33.2	33.2	95.2	95.2	7.4	10.0	5	5	-	-			-	-	-	-		
SR2	Foggy	Moderate	17:58	4.2	Surface	1.0	0.4	321	18.2	18.2	8.1	8.1	33.4	33.4	96.7	96.7	7.5	10.2	10	9	87	87	821452	814163	<0.2	<0.2	<0.2	0.6	0.6	
						1.0	0.4	351	18.2	18.2	8.1	8.1	33.4	33.4	96.7	96.7	7.5	10.3	9	10	87	87			<0.2	<0.2	<0.2	0.6		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	<0.2	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	<0.2	-				
					Bottom	3.2	0.3	306	18.2	18.2	8.1	8.1	33.4	33.4	96.9	97.0	7.5	11.5	10	11	86	87		<0.2	<0.2	<0.2	0.6			
						3.2	0.4	306	18.2	18.2	8.1	8.1	33.4	33.4	97.0	97.0	7.5	11.4	11	11	87	87		<0.2	<0.2	<0.2	0.7			
SR3	Foggy	Moderate	16:31	8.7	Surface	1.0	0.5	56	18.0	18.0	8.1	8.1	33.3	33.3	98.1	98.2	7.6	15.2	16	16	-	-	822148	807583	-	-	-	-	-	
						1.0	0.5	57	18.0	18.0	8.1	8.1	33.3	33.3	98.2	98.2	7.6	16.2	16	16	-	-			-	-	-	-		
					Middle	4.4	0.3	47	18.0	18.0	8.1	8.1	33.3	33.3	98.6	98.8	7.6	17.8	16	16	-	-			-	-	-	-		
						4.4	0.3	49	18.0	18.0	8.1	8.1	33.3	33.3	98.9	98.9	7.7	17.7	16	16	-	-			-	-	-	-		
					Bottom	7.7	0.3	34	18.0	18.0	8.1	8.1	33.3	33.3	100.2	100.5	7.8	17.5	13	13	-	-			-	-	-	-		
						7.7	0.3	34	18.0	18.0	8.1	8.1	33.3	33.3	100.8	100.8	7.8	17.8	14	14	-	-			-	-	-	-		
SR4A	Foggy	Moderate	17:58	8.5	Surface	1.0	0.2	231	18.6	18.6	8.1	8.1	33.2	33.2	97.5	97.5	7.5	9.5	3	3										

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 January 19 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)		
C1	Misty	Rough	14:02	8.8	Surface	1.0	0.4	143	18.6	18.6	8.2	8.2	31.9	31.9	98.8	98.8	7.6	6.3			<2		85		815637	804247	<0.2		1.2		
						1.0	0.4	151	18.6		8.2		31.9		98.8		7.6	6.3			3		84				<0.2		1.4		
					Middle	4.4	0.1	149	18.5	18.5	8.1	8.1	32.0	32.0	98.4	98.4	7.6	6.5	7.2		4	3	88	88			<0.2		1.2		
						4.4	0.1	151	18.5		8.1		32.0		98.4		7.6	6.8			4		87				<0.2		1.4		
					Bottom	7.8	0.0	77	18.5	18.5	8.1	8.1	32.0	32.0	98.4	98.4	7.6	8.5			4		90				<0.2		1.3		
						7.8	0.0	81	18.5		8.1		32.0		98.4		7.6	8.8			3		91				<0.2		1.1		
C2	Misty	Rough	12:55	12.5	Surface	1.0	0.3	242	18.3	18.3	8.1	8.1	31.6	31.6	95.8	95.8	7.5	8.5			9		82		825676	806961	<0.2		1.3		
						1.0	0.4	242	18.3		8.1		31.6		95.7		7.5	8.6			8		82				<0.2		1.3		
					Middle	6.3	0.3	219	18.3	18.3	8.1	8.1	31.6	31.6	95.3	95.3	7.4	9.0	9.8		7	9	85	85			<0.2		1.2		
						6.3	0.3	227	18.3		8.1		31.6		95.3		7.4	9.0			8		85				<0.2		1.4		
					Bottom	11.5	0.4	234	18.3	18.3	8.1	8.1	31.8	31.8	95.3	95.4	7.4	12.2			12		88				<0.2		1.3		
						11.5	0.4	217	18.3		8.1		31.8		95.4		7.4	11.7			12		87				<0.2		1.4		
C3	Misty	Moderate	14:54	12.4	Surface	1.0	0.1	108	18.6	18.6	8.1	8.1	32.8	32.8	93.5	93.4	7.2	5.0			11		85		822090	817783	<0.2		1.4		
						1.0	0.1	110	18.6		8.1		32.8		93.3		7.2	5.0			11		84				<0.2		1.2		
					Middle	6.2	0.1	51	18.6	18.6	8.1	8.1	32.9	32.9	92.2	92.2	7.1	5.9	7.1		12	12	88	87			<0.2		1.2		
						6.2	0.2	53	18.6		8.1		32.9		92.2		7.1	6.0			12		87				<0.2		1.3		
					Bottom	11.4	0.1	73	18.5	18.5	8.1	8.1	32.9	32.9	92.1	92.2	7.1	10.4			12		89				<0.2		1.4		
						11.4	0.1	80	18.5		8.1		32.9		92.2		7.1	10.3			11		90				<0.2		1.2		
IM1	Misty	Moderate	13:45	4.6	Surface	1.0	0.1	221	18.5	18.5	8.2	8.2	31.9	31.9	98.2	98.2	7.6	6.8			4		84		817960	807115	<0.2		1.2		
						1.0	0.1	240	18.5		8.2		31.9		98.2		7.6	6.8			4		85				<0.2		1.2		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	4	-	-	-			<0.2		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			<0.2		-	
					Bottom	3.6	0.0	180	18.5	18.5	8.1	8.1	31.9	31.9	97.8	97.8	7.6	8.3			4		89				<0.2		1.3		
						3.6	0.0	181	18.5		8.1		31.9		97.8		7.6	8.3			4		89				<0.2		1.2		
IM2	Misty	Moderate	13:37	7.2	Surface	1.0	0.2	133	18.6	18.6	8.2	8.2	32.0	32.0	97.5	97.5	7.5	8.6			4		84		818164	806178	<0.2		1.2		
						1.0	0.2	134	18.6		8.2		32.0		97.5		7.5	8.5			4		83				<0.2		1.3		
					Middle	3.6	0.1	217	18.6	18.6	8.1	8.1	32.0	32.0	97.2	97.2	7.5	8.2	8.9		3	3	86	86			<0.2		1.3		
						3.6	0.1	217	18.6		8.1		32.0		97.2		7.5	8.3			<2		85				<0.2		1.1		
					Bottom	6.2	0.2	149	18.5	18.5	8.1	8.1	32.0	32.0	97.1	97.1	7.5	10.2			3		88				<0.2		1.2		
						6.2	0.2	155	18.5		8.1		32.0		97.1		7.5	10.0			3		89				<0.2		1.2		
IM3	Misty	Moderate	13:30	7.5	Surface	1.0	0.2	165	18.5	18.5	8.2	8.2	31.8	31.8	97.9	97.9	7.6	9.0			<2		84		818787	805603	<0.2		1.2		
						1.0	0.2	170	18.5		8.2		31.8		97.9		7.6	9.1			3		83				<0.2		1.4		
					Middle	3.8	0.2	221	18.5	18.5	8.1	8.1	31.9	31.9	97.7	97.7	7.6	9.3	9.6		2	3	85	85			<0.2		1.2		
						3.8	0.2	221	18.5		8.1		31.9		97.7		7.6	9.4			2		85				<0.2		1.1		
					Bottom	6.5	0.2	227	18.5	18.5	8.0	8.0	31.9	31.9	97.5	97.5	7.6	10.2			3		88				<0.2		1.1		
						6.5	0.2	229	18.5		8.0		31.9		97.5		7.6	10.6			3		87				<0.2		1.2		
IM4	Misty	Moderate	13:22	7.8	Surface	1.0	0.2	146	18.6	18.6	8.1	8.1	31.6	31.6	97.4	97.4	7.5	10.2			2		87		819714	804597	<0.2		1.3		
						1.0	0.2	140	18.6		8.1		31.6		97.4		7.5	10.1			3		88				<0.2		1.1		
					Middle	3.9	0.1	151	18.6	18.6	8.1	8.1	31.6	31.6	97.3	97.3	7.5	11.5	11.5		5	5	85	86			<0.2		1.3		
						3.9	0.1	152	18.6		8.1		31.6		97.3		7.5	11.7			6		85				<0.2		1.2		
					Bottom	6.8	0.2	139	18.5	18.5	8.0	8.0	31.7	31.7	97.3	97.3	7.5	12.8			6		84				<0.2		1.2		
						6.8	0.3	145	18.5		8.0		31.7		97.3		7.5	12.8			5		84				<0.2		1.1		
IM5	Misty	Moderate	13:16	7.7	Surface	1.0	0.1	138	18.6	18.6	8.2	8.2	31.6	31.6	97.2	97.3	7.5	5.8			3		87		820750	804860	<0.2		1.2		
						1.0	0.2	138	18.6		8.2		31.6		97.3		7.5	5.8			3		88				<0.2		1.2		
					Middle	3.9	0.2	153	18.5	18.5	8.1	8.1	31.7	31.7	97.5	97.5	7.6	6.2	7.0		3	3	85	87			<0.2		1.3		
						3.9	0.2	157	18.5		8.1		31.7		97.5		7.6	6.6			2		84				<0.2		1.2		
					Bottom	6.7	0.4	110	18.5	18.5	8.1	8.1	31.7	31.7	97.6	97.6	7.6	8.8			3		88				<0.2		1.2		
						6.7	0.4	110	18.5		8.1		31.7		97.6		7.6	9.0			3		88				<0.2		1.1		
IM6	Misty	Moderate	13:06	7.4	Surface	1.0	0.2	181	18.5	18.5	8.2	8.2	31.8	31.8	97.3	97.3	7.5	5.6			3		83		821060						

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 January 19 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)	
IM9	Misty	Moderate	13:28	7.4	Surface	1.0	0.3	49	18.2	18.2	8.1	8.1	31.7	31.7	96.7	96.7	7.5	9.8			10		85		822077	808834	<0.2		1.1	
						1.0	0.3	53	18.2		8.1		31.7		96.7		7.5	9.6			10		84				<0.2		1.1	
					Middle	3.7	0.2	37	18.2	18.2	8.1	8.1	31.8	31.8	96.7	96.7	7.5	11.8	12.0		9	9	88	86			<0.2	<0.2	1.2	
						3.7	0.2	40	18.2		8.1		31.8		96.7		7.5	11.9			9		89				<0.2		1.1	
					Bottom	6.4	0.2	15	18.2	18.2	8.1	8.1	31.8	31.8	96.7	96.7	7.5	14.4			9		84				<0.2		1.2	
						6.4	0.2	15	18.2		8.1		31.8		96.7		7.6	14.5			9		84				<0.2		1.1	
IM10	Misty	Moderate	13:36	7.7	Surface	1.0	0.2	128	18.2	18.2	8.1	8.1	32.0	32.0	97.1	97.1	7.6	9.9			14		85		822368	809783	<0.2		1.2	
						1.0	0.2	140	18.2		8.1		32.0		97.0		7.6	10.9			15		84				<0.2		1.1	
					Middle	3.9	0.2	136	18.1	18.1	8.1	8.1	32.0	32.0	96.9	96.9	7.6	11.7	11.5		16	16	86	86			<0.2	<0.2	1.2	1.2
						3.9	0.2	146	18.1		8.1		32.0		96.9		7.6	11.6			16		87				<0.2		1.3	
					Bottom	6.7	0.2	123	18.1	18.1	8.1	8.1	32.0	32.0	96.8	96.9	7.6	12.5			19		88				<0.2		1.3	
						6.7	0.2	125	18.1		8.1		32.0		96.9		7.6	12.3			18		88				<0.2		1.2	
IM11	Misty	Moderate	13:48	8.3	Surface	1.0	0.0	187	18.2	18.2	8.1	8.1	32.1	32.1	96.7	96.7	7.5	9.5			20		84		822037	811449	<0.2	<0.2	1.2	
						1.0	0.0	198	18.2		8.1		32.1		96.7		7.5	9.2			21		84				<0.2		1.2	
					Middle	4.2	0.1	110	18.2	18.2	8.1	8.1	32.1	32.1	96.3	96.3	7.5	11.7	11.6		21	21	86	86			<0.2	<0.2	1.2	1.2
						4.2	0.1	121	18.2		8.1		32.1		96.3		7.5	11.8			20		86				<0.2		1.3	
					Bottom	7.3	0.1	158	18.2	18.2	8.1	8.1	32.1	32.1	96.4	96.4	7.5	13.8			21		88				<0.2		1.1	
						7.3	0.1	160	18.2		8.1		32.1		96.4		7.5	13.4			22		87				<0.2		1.2	
IM12	Misty	Moderate	13:57	8.4	Surface	1.0	0.2	160	18.2	18.2	8.1	8.1	32.1	32.1	97.3	97.3	7.6	8.0			21		88		821477	812037	<0.2	<0.2	1.3	
						1.0	0.2	173	18.2		8.1		32.1		97.2		7.6	7.9			20		87				<0.2		1.2	
					Middle	4.2	0.1	160	18.2	18.2	8.1	8.1	32.1	32.1	97.0	97.0	7.6	9.0	8.7		18	19	83	85			<0.2	<0.2	1.2	1.2
						4.2	0.1	180	18.2		8.1		32.1		97.0		7.6	8.8			18		83				<0.2		1.2	
					Bottom	7.4	0.2	145	18.1	18.1	8.1	8.1	32.1	32.1	97.1	97.1	7.6	9.2			19		86				<0.2		1.2	
						7.4	0.2	155	18.1		8.1		32.1		97.1		7.6	9.3			19		85				<0.2		1.2	
SR1A	Misty	Moderate	14:20	4.4	Surface	1.0	-	-	18.2	18.2	8.1	8.1	32.3	32.3	97.2	97.2	7.6	6.2			12		-		819980	812654	-	-	-	-
						1.0	-	-	18.2		8.1		32.3		97.2		7.6	6.0			11		-				-	-	-	-
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2		-	12	-			-	-	-	-
						2.2	-	-	-		-		-		-		-	-			-		-			-	-	-	-	
					Bottom	3.4	-	-	18.2	18.2	8.1	8.1	32.3	32.3	97.2	97.2	7.6	6.3			12		-				-	-	-	-
						3.4	-	-	18.2		8.1		32.3		97.2		7.6	6.3			13		-				-	-	-	-
SR2	Misty	Moderate	14:32	3.7	Surface	1.0	0.1	45	18.2	18.2	8.1	8.1	32.1	32.1	97.2	97.2	7.6	7.1			11		84		821446	814187	<0.2	<0.2	1.2	
						1.0	0.1	46	18.2		8.1		32.1		97.1		7.6	7.1			11		85				<0.2		1.2	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.8		-	12	-	86		-	-	-	-
						-	-	-	-		-		-		-		-	-			-		-			-	-	-	-	
					Bottom	2.7	0.1	45	18.2	18.2	8.1	8.1	32.1	32.1	96.7	96.7	7.5	8.5			13		87				<0.2		1.3	
						2.7	0.1	45	18.2		8.1		32.1		96.7		7.5	8.5			13		86				<0.2		1.2	
SR3	Misty	Moderate	13:14	9.0	Surface	1.0	0.4	54	18.2	18.2	8.1	8.1	31.9	31.9	96.5	96.5	7.5	15.7			20		-		822123	807559	-	-	-	-
						1.0	0.4	59	18.2		8.1		31.9		96.5		7.5	16.0			19		-				-	-	-	-
					Middle	4.5	0.3	48	18.2	18.2	8.1	8.1	31.9	31.9	96.3	96.4	7.5	14.5	15.8		21	21	-	-			-	-	-	-
						4.5	0.3	50	18.2		8.1		31.9		96.4		7.5	14.2			21		-				-	-	-	-
					Bottom	8.0	0.3	55	18.2	18.2	8.1	8.1	31.9	31.9	96.5	96.5	7.5	17.1			21		-				-	-	-	-
						8.0	0.3	55	18.2		8.1		31.9		96.5		7.5	17.1			22		-				-	-	-	-
SR4A	Misty	Calm	14:26	9.3	Surface	1.0	0.3	77	18.6	18.6	8.2	8.2	32.0	32.0	98.0	98.0	7.6	6.0			2		-		817205	807795	-	-	-	-
						1.0	0.3	78	18.6		8.2		32.0		98.0		7.6	6.1			2		-				-	-	-	-
					Middle	4.7	0.3	79	18.6	18.6	8.1	8.1	32.0	32.0	97.5	97.5	7.5	7.6	7.1		2	3	-	-			-	-	-	-
						4.7	0.3	82	18.6		8.1		32.0		97.5		7.5	7.8			2		-				-	-	-	-
					Bottom	8.3	0.2	45	18.6	18.6	8.1	8.1	32.0	32.0	97.7	97.7	7.6	7.7			6		-				-	-	-	-
						8.3	0.3	46	18.6		8.1		32.0		97.7		7.6	7.3			5		-				-	-	-	-
SR5A	Cloudy	Calm	14:43	4.2	Surface	1.0	0.2	326	19.0	19.0	8.2	8.2	32.7	32.7	93.6	93.6	7.2	4.0			5		-		816578	810684	-	-	-	-
						1.0	0.2	357	19.0		8.2		32.7		93.5		7.2	4.0												

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 January 19 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)	
C1	Misty	Rough	09:19	8.6	Surface	1.0	0.6	55	18.7	18.7	8.2	8.2	31.9	31.9	97.7	97.7	7.5	7.1			<2		86		815635	804269	<0.2		1.3	1.2
						1.0	0.6	55	18.7		8.2		31.9		97.7		7.5	7.2			<2		85				<0.2		1.2	
					Middle	4.3	0.4	46	18.6	18.6	8.1	8.1	31.9	31.9	97.4	97.4	7.5	9.3	9.4		2		89				<0.2	<0.2	1.2	
						4.3	0.4	49	18.6		8.1		31.9		97.4		7.5	9.7			3		88				<0.2		1.2	
					Bottom	7.6	0.5	29	18.6	18.6	8.1	8.1	31.9	31.9	97.4	97.4	7.5	11.7			3		92				<0.2		1.0	
						7.6	0.5	29	18.6		8.1		31.9		97.4		7.5	11.7			2		92				<0.2		1.2	
C2	Misty	Moderate	10:43	12.2	Surface	1.0	0.3	343	18.3	18.3	8.1	8.1	31.6	31.6	96.0	96.0	7.5	8.7			10		80		825688	806961	<0.2		1.3	1.3
						1.0	0.3	346	18.3		8.1		31.6		96.0		7.5	8.7			11		79				<0.2		1.3	
					Middle	6.1	0.3	345	18.3	18.3	8.1	8.1	31.6	31.6	95.5	95.5	7.4	8.9	10.3		7		82				<0.2	<0.2	1.2	
						6.1	0.4	317	18.3		8.1		31.6		95.4		7.4	9.0			8		83				<0.2		1.2	
					Bottom	11.2	0.4	339	18.3	18.3	8.1	8.1	31.8	31.8	95.3	95.3	7.4	12.9			9		85				<0.2		1.2	
						11.2	0.4	358	18.3		8.1		31.8		95.3		7.4	13.3			9		86				<0.2		1.3	
C3	Misty	Moderate	08:37	11.2	Surface	1.0	0.4	296	18.2	18.2	8.1	8.1	32.2	32.2	96.2	96.2	7.5	7.1			7		85		822106	817797	<0.2		1.2	1.3
						1.0	0.4	303	18.2		8.1		32.3		96.1		7.5	7.1			8		84				<0.2		1.3	
					Middle	5.6	0.5	295	18.2	18.2	8.1	8.1	32.3	32.3	95.3	95.3	7.4	8.0	10.0		8		86				<0.2	<0.2	1.3	
						5.6	0.5	318	18.2		8.1		32.3		95.3		7.4	9.0			8		87				<0.2		1.3	
					Bottom	10.2	0.3	282	18.2	18.2	8.1	8.1	32.3	32.3	95.5	95.5	7.4	14.6			8		89				<0.2		1.3	
						10.2	0.3	290	18.2		8.1		32.3		95.6		7.4	14.4			7		90				<0.2		1.3	
IM1	Misty	Moderate	09:42	5.3	Surface	1.0	0.2	11	18.5	18.5	8.2	8.2	32.0	32.0	97.4	97.4	7.5	7.9			4		84		817942	807151	<0.2		1.4	1.3
						1.0	0.2	12	18.5		8.2		32.0		97.4		7.5	8.5			5		84				<0.2		1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	9.6		-		-				<0.2		-	
						-	-	-	-		-		-		-		-	-		-		-		<0.2			-			
					Bottom	4.3	0.1	327	18.5	18.5	8.2	8.2	32.0	32.0	97.4	97.4	7.5	10.7			5		88			<0.2		1.3		
						4.3	0.1	348	18.5		8.2		32.0		97.4		7.5	11.3			4		88			<0.2		1.2		
IM2	Misty	Moderate	09:50	7.7	Surface	1.0	0.3	8	18.5	18.5	8.1	8.1	32.0	32.0	97.1	97.1	7.5	7.7			3		84		818171	806181	<0.2		1.3	1.3
						1.0	0.4	8	18.5		8.1		32.0		97.1		7.5	7.7			3		85				<0.2		1.2	
					Middle	3.9	0.3	333	18.5	18.5	8.1	8.1	32.1	32.1	97.0	97.0	7.5	8.6	8.9		4		88				<0.2	<0.2	1.3	
						3.9	0.3	352	18.5		8.1		32.1		97.0		7.5	8.9			4		87				<0.2		1.3	
					Bottom	6.7	0.4	36	18.5	18.5	8.1	8.1	32.1	32.1	97.1	97.1	7.5	10.6			4		89				<0.2		1.4	
						6.7	0.4	37	18.5		8.1		32.1		97.2		7.5	10.1			5		90				<0.2		1.4	
IM3	Misty	Moderate	09:59	7.5	Surface	1.0	0.5	25	18.6	18.6	8.1	8.1	31.8	31.8	97.1	97.1	7.5	6.6			4		84		818779	805616	<0.2		1.3	1.3
						1.0	0.5	27	18.6		8.1		31.8		97.1		7.5	6.7			5		84				<0.2		1.2	
					Middle	3.8	0.3	13	18.6	18.6	8.1	8.1	31.8	31.8	97.0	97.0	7.5	9.1	9.3		4		86				<0.2	<0.2	1.2	
						3.8	0.3	13	18.6		8.1		31.8		97.0		7.5	9.2			4		86				<0.2		1.2	
					Bottom	6.5	0.4	19	18.6	18.6	8.0	8.0	31.8	31.8	96.9	96.9	7.5	11.9			5		89				<0.2		1.6	
						6.5	0.4	19	18.6		8.0		31.8		96.9		7.5	12.0			5		89				<0.2		1.2	
IM4	Misty	Moderate	10:09	8.0	Surface	1.0	0.6	350	18.6	18.6	8.1	8.1	31.6	31.6	97.2	97.2	7.5	5.8			2		84		819725	804602	<0.2		1.2	1.1
						1.0	0.6	350	18.6		8.1		31.6		97.2		7.5	5.4			3		84				<0.2		1.1	
					Middle	4.0	0.3	347	18.6	18.6	8.1	8.1	31.7	31.7	97.0	97.0	7.5	7.1	7.8		2		85				<0.2	<0.2	1.1	
						4.0	0.4	359	18.6		8.1		31.7		97.0		7.5	7.3			2		86				<0.2		1.2	
					Bottom	7.0	0.5	351	18.5	18.5	7.9	7.9	31.7	31.7	97.1	97.1	7.5	10.6			<2		89				<0.2		1.0	
						7.0	0.5	323	18.5		7.9		31.7		97.1		7.5	10.3			2		88				<0.2		1.2	
IM5	Misty	Moderate	10:18	7.1	Surface	1.0	0.5	10	18.6	18.6	8.1	8.1	31.6	31.6	97.2	97.2	7.5	7.3			2		88		820743	804880	<0.2		1.2	1.2
						1.0	0.5	10	18.6		8.1		31.6		97.2		7.5	7.4			2		87				<0.2		1.1	
					Middle	3.6	0.5	27	18.6	18.6	8.1	8.1	31.6	31.6	97.0	97.0	7.5	7.7	8.1		2		84				<0.2	<0.2	1.1	
						3.6	0.5	27	18.6		8.1		31.6		97.0		7.5	7.9			2		84				<0.2		1.3	

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

Water Quality Monitoring

Water Quality Monitoring Results on 08 January 19 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)	
IM9	Misty	Moderate	10:09	7.1	Surface	1.0	0.4	257	18.2	18.2	8.1	8.1	31.7	31.7	96.4	96.4	7.5	10.5		19		85		84	822079	808816	<0.2		1.1	
						1.0	0.4	258	18.2		8.1		31.7		96.4		7.5	10.5		19		85					<0.2		1.2	
					Middle	3.6	0.4	249	18.2	18.2	8.1	8.1	31.8	31.8	96.3	96.3	7.5	15.7	15.0	19	18	81	84			<0.2	<0.2	1.2	1.2	
						3.6	0.4	251	18.2		8.1		31.8		96.3		7.5	16.0		18		80				<0.2		1.3		
					Bottom	6.1	0.4	244	18.2	18.2	8.1	8.1	31.9	31.9	96.5	96.5	7.5	18.8		16		86				<0.2		1.0		
						6.1	0.4	244	18.2		8.1		31.9		96.5		7.5	18.6		16		86				<0.2		1.2		
IM10	Misty	Rough	10:01	7.8	Surface	1.0	0.3	347	18.2	18.2	8.1	8.1	31.9	31.9	96.3	96.3	7.5	11.2		16		81		85	822402	809797	<0.2		1.3	
						1.0	0.3	352	18.2		8.1		31.9		96.3		7.5	11.3		16		82				<0.2		1.2		
					Middle	3.9	0.3	347	18.2	18.2	8.1	8.1	31.9	31.9	96.2	96.2	7.5	12.7	12.9	17	18	85	85			<0.2	<0.2	1.2	1.3	
						3.9	0.3	319	18.2		8.1		31.9		96.2		7.5	13.1		18		85				<0.2		1.3		
					Bottom	6.8	0.2	343	18.2	18.2	8.1	8.1	31.9	31.9	96.2	96.3	7.5	14.7		20		87				<0.2		1.3		
						6.8	0.2	347	18.2		8.1		31.9		96.3		7.5	14.7		20		87				<0.2		1.3		
IM11	Misty	Rough	09:50	7.0	Surface	1.0	0.4	303	18.2	18.2	8.1	8.1	32.1	32.1	96.2	96.2	7.5	8.8		8		84		86	822039	811464	<0.2	<0.2	1.3	1.3
						1.0	0.4	327	18.2		8.1		32.1		96.2		7.5	8.8		8		83				<0.2		1.2		
					Middle	3.5	0.4	299	18.2	18.2	8.1	8.1	32.2	32.2	96.3	96.3	7.5	13.5	12.3	9	9	86	86			<0.2	<0.2	1.2	1.3	
						3.5	0.4	301	18.2		8.1		32.2		96.3		7.5	13.3		10		86				<0.2		1.4		
					Bottom	6.0	0.2	305	18.2	18.2	8.1	8.1	32.2	32.2	96.8	96.8	7.5	14.8		10		88				<0.2		1.2		
						6.0	0.2	306	18.2		8.1		32.2		96.8		7.5	14.8		10		88				<0.2		1.3		
IM12	Misty	Rough	09:44	8.4	Surface	1.0	0.3	269	18.2	18.2	8.1	8.1	32.1	32.1	96.6	96.6	7.5	15.3		8		84		86	821480	812059	<0.2	<0.2	1.1	1.3
						1.0	0.3	276	18.1		8.1		32.1		96.6		7.5	15.2		8		85				<0.2		1.3		
					Middle	4.2	0.3	275	18.1	18.1	8.1	8.1	32.1	32.1	96.6	96.6	7.5	19.9	18.2	8	7	86	86			<0.2	<0.2	1.3	1.2	
						4.2	0.3	278	18.1		8.1		32.1		96.6		7.5	19.6		7		86				<0.2		1.2		
					Bottom	7.4	0.3	281	18.1	18.1	8.1	8.1	32.2	32.2	96.8	96.9	7.5	20.1		6		88				<0.2		1.2		
						7.4	0.3	289	18.1		8.1		32.2		96.9		7.5	19.4		7		89				<0.2		1.3		
SR1A	Misty	Moderate	09:08	4.3	Surface	1.0	-	-	18.1	18.1	8.2	8.2	32.0	32.0	97.4	97.4	7.6	5.8		6		-		-	819971	812661	-	-	-	-
						1.0	-	-	18.1		8.2		32.0		97.4		7.6	5.8		6		-		-			-	-	-	-
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	6.2	-	6	-	-			-	-	-	-
						2.2	-	-	-		-		-		-		-	-	-		-	-	-	-			-	-	-	-
					Bottom	3.3	-	-	18.1	18.1	8.1	8.1	32.1	32.1	97.2	97.3	7.6	6.7		6		-		-			-	-	-	-
						3.3	-	-	18.1		8.1		32.1		97.3		7.6	6.6		7		-		-			-	-	-	-
SR2	Misty	Moderate	08:57	4.7	Surface	1.0	0.2	265	18.1	18.1	8.1	8.1	32.0	32.0	96.7	96.7	7.5	9.7		6		84		86	821443	814163	<0.2	<0.2	1.3	1.3
						1.0	0.2	291	18.1		8.1		32.0		96.7		7.5	10.3	12.1	5	7	85	86			<0.2	<0.2	1.3	1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-
						-	-	-	-		-		-		-		-	-	-	-	-	-	-	-			-	-	-	-
					Bottom	3.7	0.1	237	18.1	18.1	8.1	8.1	32.0	32.0	96.8	96.8	7.6	14.2		9		87				<0.2		1.2		
						3.7	0.1	258	18.1		8.1		32.0		96.8		7.6	14.1		9		87				<0.2		1.3		
SR3	Misty	Moderate	10:23	8.9	Surface	1.0	0.2	83	18.2	18.2	8.1	8.1	31.6	31.6	96.2	96.2	7.5	10.2		9		-		-	822144	807578	-	-	-	-
						1.0	0.2	84	18.2		8.1		31.6		96.1		7.5	10.4		10		-		-			-	-	-	-
					Middle	4.5	0.2	70	18.2	18.2	8.1	8.1	31.7	31.7	95.9	95.9	7.5	11.2	12.7	9	9	-	-	-			-	-	-	-
						4.5	0.2	75	18.2		8.1		31.7		95.9		7.5	11.2		8		-		-			-	-	-	-
					Bottom	7.9	0.2	69	18.2	18.2	8.1	8.1	31.8	31.8	96.4	96.4	7.5	16.7		9		-		-			-	-	-	-
						7.9	0.2	70	18.2		8.1		31.8		96.4		7.5	16.6		9		-		-			-	-	-	-
SR4A	Cloudy	Calm	08:55	9.1	Surface	1.0	0.2	188	18.5	18.5	8.1	8.1	31.9	31.9	97.5	97.5	7.6	8.5		3		-		-	817186	807792	-	-	-	-
						1.0	0.2	191	18.5		8.1		31.9		97.5		7.6	8.7		3		-		-			-	-	-	-
					Middle	4.6	0.0	183	18.5	18.5	8.0	8.0	31.9	31.9	97.4	97.4	7.6	11.4	11.1	3	3	-	-	-			-	-	-	-
						4.6	0.0	191	18.5		8.0		31.9		97.4		7.6	11.6		3		-		-			-	-	-	-
					Bottom	8.1	0.2	66	18.5	18.5	8.0	8.0	31.9	31.9	97.9	97.9	7.6	13.2		3		-		-			-	-	-	-
						8.1	0.2	70	18.5		8.0		31.9		97.9		7.6	13.0		4		-		-			-	-	-	-
SR5A	Cloudy	Calm	08:37	3.9	Surface	1.0	0.1	276	18.5	18.5	8.0	8.0	32.1	32.1	97.3	97.3	7.5	6.1		3		-		-	816573	810690	-	-	-	-
						1.0	0.1	299	18.5		8.0		32.1		97.3		7.5	6.2		3		-		-	</					

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 January 19 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 (µg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)									
									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	15:02	8.8	Surface	1.0	0.1	200	18.6	18.6	8.2	8.2	31.0	31.0	98.6	98.6	7.7	7.7	3.0	3.0	8	8	84	84	86	815634	804269	<0.2	1.9	2.1								
						1.0	0.1	207	18.6	18.6	8.2	8.2	31.0	31.0	98.6	98.6	7.7	7.7	3.1	3.1	8	8	84	84														
					Middle	4.4	0.1	236	18.6	18.6	8.2	8.2	31.1	31.1	98.6	99.0	7.7	7.7	3.7	3.7	6	6	87	87							7	7	86	86	<0.2	2.2	2.2	
						4.4	0.1	247	18.6	18.6	8.2	8.2	31.1	31.1	99.3	99.0	7.7	7.7	3.7	3.7	6	6	86	86														
					Bottom	7.8	0.1	243	18.6	18.6	8.2	8.2	31.1	31.1	100.7	100.9	7.8	7.9	4.4	4.4	6	6	89	89							7	7	88	88	<0.2	2.2	2.2	
						7.8	0.1	255	18.6	18.6	8.2	8.2	31.1	31.1	101.0	100.9	7.9	7.9	4.4	4.4	6	6	88	88														
C2	Cloudy	Moderate	14:07	12.5	Surface	1.0	0.2	328	18.5	18.5	8.1	8.1	31.0	31.0	97.1	97.1	7.6	7.6	6.7	6.7	9	9	83	83	85	825679	806961	<0.2	2.1	2.0								
						1.0	0.3	334	18.5	18.5	8.1	8.1	31.1	31.1	97.0	97.0	7.6	7.6	6.7	6.7	9	9	84	84														
					Middle	6.3	0.2	344	18.3	18.3	8.1	8.1	31.2	31.2	96.1	96.1	7.5	7.5	8.9	8.9	9	9	86	86							9	9	85	85	<0.2	1.9	2.0	
						6.3	0.2	316	18.3	18.3	8.1	8.1	31.2	31.2	96.0	96.1	7.5	7.5	9.5	9.5	8	8	85	85														
					Bottom	11.5	0.2	347	18.3	18.3	8.1	8.1	31.3	31.3	95.9	95.9	7.5	7.5	15.0	15.0	9	9	87	87							7	7	87	87	<0.2	1.9	1.9	
						11.5	0.3	350	18.3	18.3	8.1	8.1	31.3	31.3	95.9	95.9	7.5	7.5	15.1	15.1	9	9	87	87														
C3	Cloudy	Moderate	15:34	12.4	Surface	1.0	0.4	76	18.6	18.6	8.1	8.1	31.9	31.9	97.0	96.9	7.5	7.5	4.3	4.3	6	6	85	85	87	822114	817815	<0.2	1.6	1.6								
						1.0	0.5	78	18.6	18.6	8.1	8.1	31.9	31.9	96.8	96.8	7.5	7.5	4.3	4.3	6	6	85	85														
					Middle	6.2	0.4	79	18.5	18.5	8.1	8.1	32.5	32.5	91.9	91.9	7.1	7.1	4.8	4.8	7	7	87	87							7	7	88	88	<0.2	1.6	1.6	
						6.2	0.4	85	18.5	18.5	8.1	8.1	32.5	32.5	91.9	91.9	7.1	7.1	4.8	4.8	7	7	87	87														
					Bottom	11.4	0.2	98	18.6	18.6	8.1	8.1	32.6	32.6	92.8	92.8	7.2	7.2	5.4	5.4	6	6	88	88							7	7	88	88	<0.2	1.5	1.5	
						11.4	0.3	103	18.6	18.6	8.1	8.1	32.6	32.6	93.0	92.9	7.2	7.2	5.4	5.4	7	7	88	88														
IM1	Cloudy	Moderate	14:56	4.6	Surface	1.0	0.2	143	18.6	18.6	8.2	8.2	31.1	31.1	98.7	98.7	7.7	7.7	3.7	3.7	6	6	85	85	87	817942	807119	<0.2	2.3	2.3								
						1.0	0.2	153	18.6	18.6	8.2	8.2	31.1	31.1	98.6	98.7	7.7	7.7	3.7	3.7	5	5	85	85														
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-	-	-	-	-
					Bottom	3.6	0.1	207	18.6	18.6	8.2	8.2	31.1	31.1	98.2	98.2	7.6	7.6	4.0	4.0	7	7	88	88							6	6	88	88	<0.2	2.2	2.2	
						3.6	0.1	211	18.6	18.6	8.2	8.2	31.1	31.1	98.2	98.2	7.6	7.6	4.0	4.0	6	6	89	89														
IM2	Cloudy	Moderate	14:50	7.2	Surface	1.0	0.1	152	18.7	18.7	8.2	8.2	31.1	31.1	98.5	98.5	7.6	7.6	3.6	3.6	8	8	84	84	86	818156	806155	<0.2	2.3	2.3								
						1.0	0.1	162	18.7	18.7	8.2	8.2	31.2	31.2	98.5	98.5	7.6	7.6	3.7	3.7	7	7	85	85														
					Middle	3.6	0.1	139	18.7	18.7	8.2	8.2	31.2	31.2	98.3	98.3	7.6	7.6	4.7	4.7	8	8	86	86							9	9	86	86	<0.2	2.3	2.3	
						3.6	0.1	145	18.7	18.7	8.2	8.2	31.2	31.2	98.3	98.3	7.6	7.6	4.8	4.8	9	9	86	86														
					Bottom	6.2	0.2	176	18.7	18.7	8.2	8.2	31.2	31.2	98.9	99.0	7.7	7.7	5.1	5.1	10	10	87	87							7	7	87	87	<0.2	2.4	2.3	
						6.2	0.2	192	18.7	18.7	8.2	8.2	31.2	31.2	99.0	99.0	7.7	7.7	5.0	5.0	9	9	88	88														
IM3	Cloudy	Moderate	14:44	7.5	Surface	1.0	0.2	189	18.7	18.7	8.2	8.2	30.9	30.9	98.8	98.8	7.7	7.7	5.4	5.4	10	10	84	84	86	818780	805588	<0.2	2.1	2.1								
						1.0	0.2	189	18.7	18.7	8.2	8.2	30.9	30.9	98.8	98.8	7.7	7.7	5.3	5.3	10	10	84	84														
					Middle	3.8	0.1	212	18.6	18.6	8.2	8.2	31.0	31.0	98.5	98.5	7.7	7.7	4.9	4.9	9	9	86	86							10	10	85	85	<0.2	2.1	2.1	
						3.8	0.1	214	18.6	18.6	8.2	8.2	31.0	31.0	98.4	98.4	7.7	7.7	4.8	4.8	9	9	85	85														
					Bottom	6.5	0.2	222	18.6	18.6	8.2	8.2	31.0	31.0	99.0	99.1	7.7	7.7	5.0	5.0	10	10	88	88							7	7	88	88	<0.2	2.0	2.0	
						6.5	0.2	226	18.6	18.6	8.2	8.2	31.0	31.0	99.2	99.1	7.7	7.7	5.1	5.1	10	10	87	87														
IM4	Cloudy	Moderate	14:37	7.8	Surface	1.0	0.1	205	18.7	18.7	8.2	8.2	30.7	30.7	99.2	99.2	7.7	7.7	5.9	5.9	8	8	86	86	86	819711	804610	<0.2	2.1	2.1								
						1.0	0.1	215	18.7	18.7	8.2	8.2	30.7	30.7	99.2	99.2	7.7	7.7	5.9	5.9	9	9	85	85														
					Middle	3.9	0.2	187	18.6	18.6	8.2	8.2	30.7	30.7	99.1	99.1	7.7	7.7	6.8	6.8	5	5	85	85							6	6	86	86	<0.2	2.1	2.1	
						3.9	0.2	201	18.6	18.6	8.2	8.2	30.7	30.7	99.0	99.1	7.7	7.7	6.9	6.9	5	5	86	86														
					Bottom	6.8	0.1	191	18.6	18.6	8.2	8.2	30.7	30.7	99.1	99.2	7.7	7.7	7.3	7.3	6	6	87	87							7	7	87	87	<0.2	2.1	2.1	
						6.8	0.1	204	18.6	18.6	8.2	8.2	30.7	30.7	99.2	99.2	7.7	7.7	7.2	7.2	5	5	88	88														
IM5	Cloudy	Moderate	14:31	7.7	Surface	1.0	0.2	214	18.6	18.6	8.2	8.2	30.7	30.7	99.7	99.7	7.8	7.8	6.7	6.7	7	7	86	86	86	820749	804864	<0.2	2.3	2.3								
						1.0	0.2	220	18.6	18.6	8.2	8.2	30.7	30.7	99.7	99.7	7.8	7.8	6.7	6.7	6	6	87	87														
					Middle	3.9	0.1	182	18.5	18.5	8.2	8.2	30.7	30.7	99.4	99.4	7.8	7.8	7.9	7.9	5	5	84	84							6	6	84	84	<0.2	2.3	2.3	
						3.9	0.1	189	18.5	18.5	8.2	8.2	30.7	30.7	99.3	99.3	7.7	7.7	9.0	9.0	6	6	84	84														
					Bottom	6.7	0.2	342	18.6	18.6	8.2	8.2	30.7	30.7	99.4	99.4	7.8	7.8	9.2	9.2	7	7	87	87							7	7	87	87	<0.2	2.3	2.3	
						6.7	0.2	350	18.6	18.6	8.2	8.2	30.7	30.7	99.4	99.4	7.8	7.8	9.4	9.4	7	7	86	86														
IM6	Cloudy	Moderate	14:21	7.4	Surface	1.0	0.2	98	18.6	18.6	8.2	8.2	30.7	30.7	99.3	99.3	7.7	7.7	6.4	6.4	4	4	84	84	86	821054	805827	<0.2	2.3	2.3								
						1.0	0.2	93	18.6	18.6	8.2	8.2	30.7	30.7	99.3	99.3	7.7	7.7	6.4	6.4	4	4	84	84														
					Middle	3.7	0.2	70	18.6	18.6	8.2	8.2	30.8	30.8	98.7	98.7	7.7	7.7	7.0	7.0	5	5	85	85							5	5	85	85	<0.2	2.3	2.3	
						3.7	0.2	76	18.6	18.6	8.2	8.2	30.8	30.8	98.7	98.7	7.7	7.7	7.0	7.0	6	6	85	85														
					Bottom	6.4	0.1	83	18.5	18.5	8.2	8.2	30.8	30.8	98.5	98.5	7.7	7.7	7.9	7.9	7	7	88	88							7	7	88	88	<0.2	2.2	2.2	
						6.4	0.1	83	18.5	18.5	8.2	8.2	30.8	30.8	98.5	98.5	7.7	7.7	7.9	7.9	7	7	88	88														
IM7	Cloudy	Moderate	14:10	8.4	Surface	1.0	0.1	93	18.8	18.8	8.2	8.2	30.6	30.6	98.3	98.3	7.6	7.6	4.2	4.2	5	5	85	85	86	821345	806856	<0.2	2.3	2.3								
						1.0	0.1	97	18.8	18.8	8.2	8.2	30.6	30.6	98.3	98.3	7.6	7.6	4.2	4.2	6	6	85	85														
					Middle	4.2	0.2	76	18.7	18.7	8.2	8.2	30.7	30.7	97.3	97.3	7.6	7.6	6.4	6.4	6	6	86	86							6	6	86	86	<0.2	2.4	2.4	
						4.2	0.2	78	18.7	18.7	8.2	8.2	30.7	30.7	97.3	97.3	7.6	7.6	6.9	6.9	7	7	85	85														
					Bottom	7.4	0.2	127	18.6	18.6	8.2	8.2	30.8	30.8	97.1	97.1	7.																					

Water Quality Monitoring

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Cloudy	Moderate	11:04	8.6	Surface	1.0	0.4	66	18.6	18.6	8.2	8.2	31.1	31.1	97.2	97.2	7.6	4.3	5	6	85	85	86	815623	804257	<0.2	2.3	2.3			
						1.0	0.4	70	18.6	18.6	8.2	8.2	31.1	31.1	97.2	97.2	7.6	4.3	6	6	85	85	86	815623	804257	<0.2	2.2				
					Middle	4.3	0.3	52	18.6	18.6	8.2	8.2	31.1	31.1	97.2	97.2	7.6	6.2	6	5	85	87	86	815623	804257	<0.2	2.3		2.3		
						4.3	0.3	55	18.6	18.6	8.2	8.2	31.1	31.1	97.2	97.2	7.6	6.4	5	6	87	87	86	815623	804257	<0.2	2.2				
					Bottom	7.6	0.2	19	18.6	18.6	8.2	8.2	31.1	31.1	97.4	97.5	7.6	7.6	6	5	87	88	86	815623	804257	<0.2	2.3		2.4		
7.6	0.2	19	18.6	18.6	8.2	8.2	31.1	31.1	97.5	97.5	7.6	7.6	6	5	88	88	86	815623	804257	<0.2	2.4										
C2	Cloudy	Moderate	11:25	12.2	Surface	1.0	0.1	314	18.4	18.4	8.1	8.1	31.1	31.1	95.4	95.4	7.4	7.0	13	13	84	85	86	825684	806937	<0.2	2.4	1.8			
						1.0	0.2	334	18.4	18.4	8.1	8.1	31.1	31.1	95.4	95.4	7.4	7.1	13	10	86	86	86	825684	806937	<0.2	1.4				
					Middle	6.1	0.1	338	18.3	18.3	8.1	8.1	31.2	31.2	94.9	94.9	7.4	7.9	11	10	86	87	86	825684	806937	<0.2	1.5		1.4		
						6.1	0.1	311	18.3	18.3	8.1	8.1	31.2	31.2	94.9	94.9	7.4	7.9	10	11	87	87	86	825684	806937	<0.2	1.4				
					Bottom	11.2	0.1	9	18.3	18.3	8.1	8.1	31.2	31.2	94.9	94.9	7.4	7.4	7.9	11	87	87	86	825684	806937	<0.2	1.4		1.4		
11.2	0.1	9	18.3	18.3	8.1	8.1	31.2	31.2	94.9	94.9	7.4	7.4	7.9	11	87	87	86	825684	806937	<0.2	1.4										
C3	Cloudy	Moderate	09:49	11.2	Surface	1.0	0.3	276	18.3	18.3	8.1	8.1	31.7	31.7	95.0	95.0	7.4	5.5	9	10	84	85	87	86	822121	817783	<0.2	1.4	1.1		
						5.6	0.4	280	18.4	18.4	8.1	8.1	32.1	32.1	93.8	93.8	7.3	6.4	9	9	87	86	86	822121	817783	<0.2	0.9				
					Middle	5.6	0.4	290	18.4	18.4	8.1	8.1	32.1	32.1	93.7	93.7	7.3	6.6	9	8	87	87	86	822121	817783	<0.2	1.0	1.1			
						10.2	0.4	285	18.4	18.4	8.1	8.1	32.1	32.1	93.6	93.6	7.3	13.8	9	8	89	89	86	822121	817783	<0.2	1.1				
					Bottom	10.2	0.4	302	18.4	18.4	8.1	8.1	32.1	32.1	93.6	93.6	7.3	7.3	13.3	8	89	89	86	822121	817783	<0.2	1.1	1.1			
10.2	0.4	302	18.4	18.4	8.1	8.1	32.1	32.1	93.6	93.6	7.3	7.3	13.3	8	89	89	86	822121	817783	<0.2	1.1										
IM1	Cloudy	Moderate	11:25	5.3	Surface	1.0	0.3	29	18.8	18.8	8.2	8.2	30.9	30.9	98.0	98.0	7.6	8.8	8	7	84	84	86	817948	807120	<0.2	1.6	1.7			
						1.0	0.3	29	18.8	18.8	8.2	8.2	30.9	30.9	98.0	98.0	7.6	8.6	7	8	88	88	86	817948	807120	<0.2	1.7				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		<0.2	1.3	1.3
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	<0.2	
					Bottom	4.3	0.2	21	18.7	18.7	8.2	8.2	30.9	30.9	97.8	97.8	7.6	7.7	8	8	88	88	86	817948	807120	<0.2	1.8		1.8		
4.3	0.3	21	18.7	18.7	8.2	8.2	30.9	30.9	97.8	97.8	7.6	7.6	7.7	8	87	87	86	817948	807120	<0.2	1.6										
IM2	Cloudy	Moderate	11:35	7.7	Surface	1.0	0.2	33	18.6	18.6	8.2	8.2	31.2	31.2	97.8	97.8	7.6	5.2	7	7	84	84	87	87	86	818175	806167	<0.2	1.5	1.6	
						1.0	0.2	33	18.6	18.6	8.2	8.2	31.2	31.2	97.8	97.8	7.6	5.1	7	7	84	84	87	87	86	818175	806167	<0.2	1.5		
					Middle	3.9	0.1	6	18.6	18.6	8.2	8.2	31.2	31.2	97.8	97.8	7.6	5.4	7	6	87	87	86	818175	806167	<0.2	1.7	1.7			
						3.9	0.1	6	18.6	18.6	8.2	8.2	31.2	31.2	97.8	97.8	7.6	5.5	6	6	87	87	86	818175	806167	<0.2	1.6				
					Bottom	6.7	0.2	347	18.6	18.6	8.2	8.2	31.2	31.2	97.8	97.8	7.6	6.1	6	6	88	88	86	818175	806167	<0.2	1.6	1.6			
6.7	0.2	319	18.6	18.6	8.2	8.2	31.2	31.2	97.8	97.8	7.6	6.6	6	6	89	89	86	818175	806167	<0.2	1.5										
IM3	Cloudy	Moderate	11:48	7.5	Surface	1.0	0.3	22	18.5	18.5	8.2	8.2	30.9	30.9	97.1	97.1	7.6	7.0	7	7	84	84	85	86	818786	805596	<0.2	1.6	1.7		
						1.0	0.3	22	18.5	18.5	8.2	8.2	30.9	30.9	97.1	97.1	7.6	7.1	7	6	85	85	86	818786	805596	<0.2	1.5				
					Middle	3.8	0.2	14	18.5	18.5	8.2	8.2	30.9	30.9	96.9	96.9	7.6	9.2	6	5	86	86	86	818786	805596	<0.2	1.6	1.6			
						3.8	0.2	15	18.5	18.5	8.2	8.2	30.9	30.9	96.9	96.9	7.6	9.2	5	6	88	88	86	818786	805596	<0.2	1.8				
					Bottom	6.5	0.2	8	18.5	18.5	8.2	8.2	30.9	30.9	96.8	96.8	7.6	9.7	6	7	88	88	86	818786	805596	<0.2	1.8	1.8			
6.5	0.2	8	18.5	18.5	8.2	8.2	30.9	30.9	96.8	96.8	7.6	9.8	7	8	88	88	86	818786	805596	<0.2	1.8										
IM4	Cloudy	Moderate	11:57	8.0	Surface	1.0	0.2	356	18.5	18.5	8.2	8.2	30.9	30.9	97.9	97.9	7.6	5.3	5	5	84	84	86	819747	804611	<0.2	1.7	1.7			
						1.0	0.2	328	18.5	18.5	8.2	8.2	30.9	30.9	97.9	97.9	7.6	5.3	5	5	84	84	86	819747	804611	<0.2	1.9				
					Middle	4.0	0.3	347	18.5	18.5	8.2	8.2	30.9	30.9	97.7	97.7	7.6	5.8	6	5	85	85	86	819747	804611	<0.2	1.7		1.7		
						4.0	0.3	359	18.5	18.5	8.2	8.2	30.9	30.9	97.7	97.7	7.6	5.9	5	6	85	85	86	819747	804611	<0.2	1.8				
					Bottom	7.0	0.2	21	18.5	18.5	8.2	8.2	30.9	30.9	97.8	97.8	7.6	6.3	6	6	88	87	86	819747	804611	<0.2	1.7		1.5		
7.0	0.3	22	18.5	18.5	8.2	8.2	30.9	30.9	97.8	97.8	7.6	6.3	6	6	87	87	86	819747	804611	<0.2	1.5										
IM5	Cloudy	Moderate	12:01	7.1	Surface	1.0	0.3	11	18.6	18.6	8.2	8.2	30.8	30.8	97.5	97.5	7.6	5.2	6	6	87	87	86	820732	804880	<0.2	1.6	1.6			
						1.0	0.3	11	18.6	18.6	8.2	8.2	30.8	30.8	97.5	97.5	7.6	5.3	6	8	86	85	85	820732	804880	<0.2	1.5				
					Middle	3.6	0.1	36	18.6	18.6	8.2	8.2	30.9	30.9	97.3	97.3	7.6	6.8	8	8	86	85	85	820732	804880	<0.2	1.5		1.5		
						3.6	0.1	36	18.6	18.6	8.2	8.2	30.9	30.9	97.3	97.3	7.6	6.9	6	6	88	87	86	820732	804880	<0.2	1.6				
					Bottom	6.1	0.2	28	18.6	18.6	8.2	8.2	30.9	30.9	97.4	97.5	7.6	6.9	7	7	87	84	84	820732	804880	<0.2	1.6		1.6		
6.1	0.2	30	18.6	18.6	8.2	8.2	30.9	30.9	97.5	97.5	7.6	7.8	7	7	84	84	84	820732	804880	<0.2	1.6										
IM6	Cloudy	Moderate	12:07	7.4	Surface	1.0	0.0	109	18.6	18.6	8.2	8.2	30.8	30.8	97.5	97.5	7.6	6.3	7	8	83	85	85	821083	805834	<0.2	1.7	1.6			
						1.0	0.0	115	18.6	18.6	8.2	8.2	30.8	30.8	97.5	97.5	7.6	6.3	7	8	83	85	85	821083	805834	<0.2	1.6				
					Middle	3.7	0.1	322	18.6	18.6	8.2	8.2	30.8	30.8	97.3	97.3	7.6	12.0	8	6	87	87	86	821083	805834	<0.2	1.6		1.6		
						3.7	0.1	331	18.6	18.6	8.2	8.2	30.8	30.8	97.3	97.3	7.6	12.1	8	6	87	87	86	821083	805834	<0.2	1.6				
					Bottom	6.4	0.1	254	18.6	18.6	8.2	8.2	30.8	30.8	97.9	98.0	7.6	11.8	6	6	87	88	86	821083	805834	<0.2	1.6		1.4		
6.4	0.1	278	18.6	18.6	8.2	8.2	30.8	30.8	98.0	98.0	7.6	11.8	6	6	88	88	86	821083	805834	<0.2	1.4										
IM7	Cloudy	Moderate	12:13	7.9	Surface	1.0	0.2	300	18.6	18.6	8.1	8.1	30.7	30.7	97.8	97.8	7.6	9.0	7	7	84	84	86	821350	806844	<0.2	1.7	1.7			
						1.0	0.2	316	18.6	18.6	8.1	8.1	30.7	30.7	97.7	97.8	7.6	9.2	7	4	86	86	86	821350	806844	<0.2	1.7				
					Middle	4.0	0.1	309	18.6	18.6	8.1	8.1	30.7	30.7	97.8	97.8	7.6	11.1	5	6	86	86	86	821350	806844	<0.2	1.5		1.5		
						4.0	0.1	327	18.6	18.6	8.1	8.1	30.7	30.7	97.8	97.8	7.6	11.2	5	6	86	86	86	821350	806844	<0.2	1.5				
					Bottom	6.9	0.1	347	18.6	18.6	8.1	8.1	30.7	30.7	98.2	98.3															

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 January 19 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 Grd (Northing)	Coordinate HK Grd (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									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	10:57	7.1	Surface	1.0	0.4	315	18.3	18.3	8.1	8.1	31.3	31.3	96.4	96.4	7.5	8.2		10		85		87		822108	808814	<0.2	1.4	1.3		
						1.0	0.4	318	18.3	18.3	8.1	8.1	31.3	31.3	96.4	96.4	7.5	8.3		10		86		86		87		<0.2	1.3			
					Middle	3.6	0.3	315	18.3	18.3	8.1	8.1	31.4	31.4	96.2	96.2	7.5	9.6		12		86		87		87		<0.2	1.2			
						3.6	0.4	324	18.3	18.3	8.1	8.1	31.4	31.4	96.2	96.2	7.5	9.5		10		87		88		88		<0.2	1.3			
					Bottom	6.1	0.3	319	18.3	18.3	8.1	8.1	31.4	31.4	96.4	96.4	7.5	9.4		11		88		88		88		88			<0.2	1.4
						6.1	0.4	337	18.3	18.3	8.1	8.1	31.4	31.4	96.4	96.4	7.5	9.5		10		88									<0.2	1.4
IM10	Cloudy	Moderate	10:51	7.8	Surface	1.0	0.3	98	18.2	18.2	8.1	8.1	31.4	31.4	96.8	96.8	7.6	8.1		10		85		87		822396	809814	<0.2	1.0	1.1		
						1.0	0.3	104	18.2	18.2	8.1	8.1	31.4	31.4	96.8	96.8	7.6	7.9		10		84		87		87		<0.2	1.2			
					Middle	3.9	0.2	75	18.2	18.2	8.1	8.1	31.4	31.4	96.6	96.6	7.6	8.9		10		86		87		87		<0.2	1.2			
						3.9	0.3	75	18.2	18.2	8.1	8.1	31.4	31.4	96.6	96.6	7.6	8.9		9		87		88		89		<0.2	1.1			
					Bottom	6.8	0.1	143	18.2	18.2	8.1	8.1	31.4	31.4	96.6	96.6	7.6	9.3		10		88		88		89		89			<0.2	1.1
						6.8	0.1	155	18.2	18.2	8.1	8.1	31.4	31.4	96.6	96.6	7.6	9.4		10		88									<0.2	1.0
IM11	Cloudy	Moderate	10:42	7.0	Surface	1.0	0.3	299	18.2	18.2	8.1	8.1	31.4	31.4	96.0	96.0	7.5	12.1		11		85		86		822054	811448	<0.2	1.2	1.1		
						1.0	0.3	323	18.2	18.2	8.1	8.1	31.4	31.4	96.0	96.0	7.5	12.1		11		85		87		87		<0.2	1.2			
					Middle	3.5	0.3	303	18.2	18.2	8.1	8.1	31.4	31.4	95.8	95.8	7.5	12.1		11		87		86		86		<0.2	1.0			
						3.5	0.3	310	18.2	18.2	8.1	8.1	31.4	31.4	95.8	95.8	7.5	12.0		11		86		88		87		<0.2	1.0			
					Bottom	6.0	0.3	304	18.2	18.2	8.1	8.1	31.4	31.4	95.7	95.7	7.5	13.1		17		88		87		87		87			<0.2	1.1
						6.0	0.3	304	18.2	18.2	8.1	8.1	31.4	31.4	95.7	95.7	7.5	13.0		16		87									<0.2	1.1
IM12	Cloudy	Moderate	10:36	8.4	Surface	1.0	0.1	236	18.2	18.2	8.1	8.1	31.7	31.7	96.8	96.8	7.6	7.8		9		85		87		821447	812028	<0.2	1.1	1.1		
						1.0	0.1	245	18.2	18.2	8.1	8.1	31.7	31.7	96.8	96.8	7.6	7.8		10		86		87		87		<0.2	1.3			
					Middle	4.2	0.3	298	18.2	18.2	8.1	8.1	31.7	31.7	96.8	96.8	7.6	7.8		10		87		87		87		<0.2	1.0			
						4.2	0.4	326	18.2	18.2	8.1	8.1	31.7	31.7	96.8	96.8	7.6	7.7		10		87		88		88		<0.2	1.0			
					Bottom	7.4	0.4	306	18.2	18.2	8.1	8.1	31.7	31.7	96.9	97.0	7.6	8.3		11		88		88		88		88			<0.2	1.1
						7.4	0.5	331	18.2	18.2	8.1	8.1	31.7	31.7	97.0	97.0	7.6	8.5		10		88									<0.2	1.0
SR1A	Cloudy	Moderate	10:18	4.3	Surface	1.0	-	-	18.2	18.2	8.1	8.1	31.6	31.6	96.3	96.3	7.5	6.6		21		-		-		819971	812656	-	-	-		
						1.0	-	-	18.2	18.2	8.1	8.1	31.6	31.6	96.2	96.2	7.5	6.8		23		-		-		-		-	-			
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-			-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-	-		-	-
					Bottom	3.3	-	-	18.2	18.2	8.1	8.1	31.6	31.6	96.5	96.6	7.5	8.9		22		-		-		-		-			-	-
						3.3	-	-	18.2	18.2	8.1	8.1	31.6	31.6	96.6	96.6	7.5	8.7		22		-		-		-		-			-	-
SR2	Cloudy	Moderate	10:08	4.7	Surface	1.0	0.2	241	18.2	18.2	8.1	8.1	31.5	31.5	95.7	95.7	7.5	17.0		15		86		88		821455	814160	<0.2	1.2	1.4		
						1.0	0.2	264	18.2	18.2	8.1	8.1	31.5	31.5	95.7	95.7	7.5	17.5		14		87		-		-		<0.2	1.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-			-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-			-	-
					Bottom	3.7	0.2	247	18.2	18.2	8.1	8.1	31.5	31.5	95.7	95.7	7.5	20.0		12		88		-		-		-			<0.2	1.6
						3.7	0.2	261	18.2	18.2	8.1	8.1	31.5	31.5	95.7	95.7	7.5	20.0		13		89		-		-		-			<0.2	1.8
SR3	Cloudy	Moderate	11:08	8.9	Surface	1.0	0.2	103	18.3	18.3	8.1	8.1	31.1	31.1	96.6	96.6	7.5	11.9		13		-		-		822144	807560	-	-	-		
						1.0	0.2	107	18.3	18.3	8.1	8.1	31.1	31.1	96.6	96.6	7.5	12.2		14		-		-		-		-	-			
					Middle	4.5	0.2	111	18.3	18.3	8.1	8.1	31.1	31.1	96.6	96.6	7.6	14.4		16		-		-		-		-	-		-	
						4.5	0.3	111	18.3	18.3	8.1	8.1	31.1	31.1	96.6	96.6	7.6	14.7		17		-		-		-		-	-		-	
					Bottom	7.9	0.1	113	18.3	18.3	8.1	8.1	31.1	31.1	97.1	97.2	7.6	15.5		18		-		-		-		-			-	-
						7.9	0.2	114	18.3	18.3	8.1	8.1	31.1	31.1	97.2	97.2	7.6	15.0		17		-		-		-		-			-	-
SR4A	Cloudy	Moderate	10:40	9.1	Surface	1.0	0.1	230	18.5	18.5	8.2	8.2	31.0	31.0	96.8	96.8	7.5	13.0		4		-		-		817170	807797	-	-	-		
						1.0	0.1	237	18.5	18.5	8.2	8.2	31.0	31.0	96.7	96.7	7.5	12.9		4		-		-		-		-	-			
					Middle	4.6	0.1	243	18.5	18.5	8.2	8.2	31.0	31.0	96.5	96.5	7.5	16.8		4		-		-		-		-	-		-	
						4.6	0.1	251	18.5	18.5	8.2	8.2	31.0	31.0	96.5	96.5	7.5	16.9		5		-		-		-		-	-		-	
					Bottom	8.1	0.0	276	18.5	18.5	8.2	8.2	31.0	31.0	96.6	96.6	7.5	18.0		4		-		-		-		-			-	-
						8.1	0.0	287	18.5	18.5	8.2	8.2	31.0	31.0	96.6	96.6	7.5	17.2		5		-		-		-		-			-	-
SR5A	Cloudy	Moderate	10:24	3.9	Surface	1.0	0.1	325	18.7	18.7	8.2	8.2	31.2	31.2	96.2	96.1	7.5	3.2		5		-		-		816605	810690	-	-	-		
						1.0	0.2	332	18.7	18.7	8.2	8.2	31.3	31.2	96.0	96.0	7.4	3.3		4		-		-		-		-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-	-		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-	-		-	
					Bottom	2.9	0.2	310	18.8	18.8	8.2	8.2	31.6	31.6	94.4	94.4	7.3	10.4		5		-		-		-		-			-	-
						2.9	0.2	335	18.8	18.8	8.2	8.2	31.6	31.6	94.4	94.4	7.3	10.0		5		-		-		-		-			-	-
SR6	Cloudy	Moderate	10:00	4.2	Surface	1.0	0.1	221	18.8	18.8	8.1	8.1	31.7	31.7	93.5	93.5	7.2	3.5		5		-		-		817911	814682	-	-	-		
						1.0	0.1	241	18.8	18.8	8.1	8.1	31.7	31.7	93.5	93.5	7.2	3.6		5		-		-		-		-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-	-		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-		-	-		-	
					Bottom	3.2	0.1	227	18.8	18.8	8.1	8.1	31.7	31.7	93.2	93.2	7.2	3.4		6		-		-		-		-			-	-
						3.2	0.1	243	18.8	18.8	8.1	8.1	31.7	31.7	93.2	93.2	7.2	3.4		7		-		-		-		-			-	-
SR7	Cloudy	Moderate	09:15	15.9	Surface	1.0	0.1	193	18.4	18.4	8.0	8.0	32.2	32.2	93.6	93.6	7.3	5.9		12		-		-		823647	823753	-	-	-		
						1.0	0.1	200	18.4	18.4	8.0	8.0	32.2	32.2	93.6	93.6	7.3	5.9		12		-		-		-		-	-			
					Middle	8.0	0.1	207	18.4	18.4	8.0	8.0	32.2	32.2	93.4	93.4	7.2	6.1		10		-		-		-		-	-		-	
						8.0	0.1	210	18.4	18.4	8.0	8.0	32.2	32.2	93.4	93.4	7.2	6.1		10		-		-		-		-	-		-	

Water Quality Monitoring Results on

12 January 19

during Mid-Ebb Tide

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

DA: Depth-Averaged

Water Quality Monitoring

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Foggy	Moderate	10:58	8.8	Surface	1.0	0.0	93	19.0	19.0	8.2	8.2	28.5	28.5	99.8	99.8	7.8	4.3	7.8	4.3	<2		85		88	815604	804267	<0.2	1.5	1.6	
						1.0	0.0	99	19.0		8.2		28.5		99.7		7.8	4.3			<2		85					<0.2	1.6		
					Middle	4.4	0.1	87	18.9	18.9	8.2	8.2	29.1	29.1	98.9	98.9	7.7	6.6	7.0		<2	<2	89					<0.2	1.7		
						4.4	0.1	87	18.9		8.2		29.1		98.9		7.7	6.8			<2		88					<0.2	1.7		
					Bottom	7.8	0.1	72	18.9	18.9	8.2	8.2	29.5	29.5	98.7	98.7	7.7	9.8			<2		89					<0.2	1.6		
						7.8	0.2	72	18.9		8.2		29.5		98.7		7.7	9.9			<2		94					<0.2	1.6		
C2	Foggy	Moderate	13:05	11.6	Surface	1.0	0.2	241	19.2	19.2	8.1	8.1	28.0	28.0	98.9	98.9	7.7	4.1	7.7	4.0	3		87		91	825684	806960	<0.2	1.8	1.9	
						1.0	0.2	258	19.2		8.1		28.0		98.8		7.7	4.0			4		87					<0.2	1.8		
					Middle	5.8	0.1	279	19.0	19.0	8.1	8.1	28.6	28.6	97.6	97.6	7.6	8.7	7.3		5	4	91					<0.2	1.8		
						5.8	0.1	295	19.0		8.1		28.6		97.6		7.6	8.7			5		91					<0.2	1.9		
					Bottom	10.6	0.1	288	19.0	19.0	8.1	8.1	28.6	28.6	97.9	97.9	7.7	9.0			4		95					<0.2	2.0		
						10.6	0.2	288	19.0		8.1		28.6		97.9		7.7	9.1			4		94					<0.2	1.8		
C3	Foggy	Moderate	10:55	10.3	Surface	1.0	0.5	269	19.0	19.0	8.2	8.2	29.9	29.9	99.0	99.0	7.7	2.7	7.6	2.7	4		85		89	822111	817798	<0.2	1.8	1.6	
						1.0	0.5	293	19.0		8.2		29.9		98.9		7.7	2.7			4		85					<0.2	1.6		
					Middle	5.2	0.5	267	18.9	18.9	8.2	8.2	30.3	30.3	96.6	96.5	7.5	2.9	3.8		3	4	90					<0.2	1.6		
						5.2	0.5	290	18.9		8.2		30.3		96.4		7.5	2.9			3		90					<0.2	1.5		
					Bottom	9.3	0.3	278	18.9	18.9	8.2	8.2	30.9	30.9	96.2	96.2	7.4	5.8			3		93					<0.2	1.4		
						9.3	0.3	293	18.9		8.2		30.9		96.2		7.4	5.8			3		93					<0.2	1.5		
IM1	Foggy	Moderate	11:14	5.5	Surface	1.0	0.1	108	19.0	19.0	8.2	8.2	28.9	28.9	100.4	100.4	7.8	3.2	7.8	3.1	3		91		93	817933	807155	<0.2	1.6	1.7	
						1.0	0.1	114	19.0		8.2		28.9		100.3		7.8	3.1			3		91					<0.2	1.6		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.7		3		-					<0.2		1.6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-					<0.2		1.6
					Bottom	4.5	0.1	146	18.9	18.9	8.2	8.2	29.8	29.8	98.3	98.4	7.7	6.3			2		94					<0.2	1.9		
						4.5	0.1	155	18.9		8.2		29.8		98.4		7.7	6.3			<2		94					<0.2	1.8		
IM2	Foggy	Moderate	11:21	8.0	Surface	1.0	0.2	96	19.0	19.0	8.2	8.2	28.5	28.5	100.4	100.4	7.9	2.6	7.8	2.6	<2		87		91	818179	806156	<0.2	1.7	1.8	
						1.0	0.2	105	19.0		8.2		28.5		100.3		7.9	2.6			<2		88					<0.2	1.7		
					Middle	4.0	0.1	100	19.0	19.0	8.1	8.1	29.6	29.6	97.9	97.9	7.6	4.3	5.6		<2	2	91					<0.2	1.8		
						4.0	0.1	102	19.0		8.1		29.6		97.8		7.6	4.2			<2		92					<0.2	1.7		
					Bottom	7.0	0.2	80	19.0	19.0	8.1	8.1	29.9	29.9	98.0	98.1	7.6	10.1			2		94					<0.2	1.8		
						7.0	0.2	84	19.0		8.1		29.9		98.1		7.6	9.5			2		95					<0.2	1.8		
IM3	Foggy	Moderate	11:28	8.1	Surface	1.0	0.1	90	19.0	19.0	8.1	8.1	28.5	28.5	98.7	98.7	7.7	4.4	7.7	4.5	<2		88		93	818804	805580	<0.2	1.7	1.7	
						1.0	0.1	90	19.0		8.1		28.5		98.7		7.7	4.5			<2		89					<0.2	1.7		
					Middle	4.1	0.1	91	18.9	18.9	8.1	8.1	28.6	28.6	98.5	98.5	7.7	5.9	5.9		<2	<2	92					<0.2	1.8		
						4.1	0.1	92	18.9		8.1		28.6		98.5		7.7	5.9			<2		93					<0.2	1.7		
					Bottom	7.1	0.1	75	18.9	18.9	8.1	8.1	28.7	28.7	98.3	98.3	7.7	7.6			<2		97					<0.2	1.5		
						7.1	0.2	75	18.9		8.1		28.7		98.3		7.7	7.4			<2		98					<0.2	1.6		
IM4	Foggy	Moderate	11:35	8.2	Surface	1.0	0.2	81	19.1	19.1	8.1	8.1	28.3	28.3	99.1	99.1	7.8	7.2	7.8	7.3	<2		86		91	819732	804614	<0.2	1.7	1.7	
						1.0	0.2	83	19.1		8.1		28.3		99.1		7.8	7.3			<2		86					<0.2	1.8		
					Middle	4.1	0.1	333	19.1	19.1	8.1	8.1	28.3	28.3	99.0	99.0	7.8	7.1	7.2		2	3	90					<0.2	1.7		
						4.1	0.1	306	19.1		8.1		28.3		99.0		7.8	6.8			3		90					<0.2	1.6		
					Bottom	7.2	0.2	327	19.0	19.0	8.1	8.1	28.4	28.4	98.7	98.7	7.7	7.5			3		95					<0.2	1.6		
						7.2	0.2	355	19.0		8.1		28.4		98.7		7.7	7.5			4		96					<0.2	1.6		
IM5	Foggy	Moderate	11:42	7.4	Surface	1.0	0.1	320	19.0	19.0	8.1	8.1	28.5	28.5	99.1	99.1	7.8	5.7	7.8	5.7	5		89		91	820751	804865	<0.2	1.8	1.6	
						1.0	0.1	348	19.0		8.1		28.5		99.1		7.8	5.7			5		89					<0.2	1.8		
					Middle	3.7	0.2	25	19.0	19.0	8.2	8.2	28.5	28.5	99.1	99.1	7.8	6.1			4	4	90					<0.2	1.5		
						3.7	0.2	25	19.0		8.2		28.5		99.1		7.8	6.2			4		90					<0.2	1.4		
					Bottom	6.4	0.1	38	19.0	19.0	8.2	8.2	28.5	28.5	99.2	99.2	7.8	6.3	7.8		2		93					<0.2	1.5		
						6.4	0.1	38	19.0		8.2		28.5		99.2		7.8	6.4			2		93					<0.2	1.5		
IM6	Foggy	Moderate	11:48	7.6	Surface	1.0	0.0	123	19.0	19.0	8.1	8.1	28.5	28.5	99.2	99.2	7.8	5.8	7.8	5.8	5		88		92	821076	805816	<0.2	1.8	1.6	
						1.0	0.0	124	19.0		8.1		28.5		99.2		7.8	5.8			5		88					<0.2	1.8		
					Middle	3.8	0.1	59	19.0	19.0	8.2	8.2	28.6	28.6	99.2	99.2	7.8	6.5	6.2		4	4	91					<0.2	1.5		
						3.8	0.1	59	19.0		8.2		28.6		99.2		7.8	6.6			4		92					<0.2	1.4		
					Bottom	6.6	0.1	46	19.0	19.0	8.2	8.2	28.5	28.5	99.1	99.1	7.8	6.3	7.8		3		94					<0.2	1.5		
						6.6	0.1	47	19.0		8.2		28.5		99.0		7.8	6.3			3		96					<0.2	1.5		
IM7	Foggy	Moderate	11:56	9.0	Surface	1.0	0.0	246	19.3	19.3	8.1	8.1	28.0	28.0	99.2	99.2	7.8	4.0	7.8	4.1	4		86		91	821352	806814	<0.2	1.5	1.8	
						1.0	0.0	250	19.3		8.1		28.0		99.2		7.8	4.1			4		88					<0.2	1.4		
					Middle	4.5	0.1	78	19.1	19.1	8.1	8.1	28.1	28.1	98.3	98.3	7.7	3.7	4.7		4	4	91					<0.2	1.9		
						4.5	0.1	83	19.1		8.1		28.1		98.3		7.7	3.8			4		92					<0.2	2.0		
					Bottom	8.0	0.1	94	19.0	19.0	8.1	8.1	28.4	28.4	97.4	97.4	7.6	6.4			4		95					<0.2	1.9		
						8.0	0.1	102	19.0		8.1		28.4		97.4		7.6	6.3			3		96					<0.2	1.8		
IM8	Foggy	Moderate	12:38	7.2	Surface	1.0	0.2	64	19.0	19.0	8.1	8.1	28.5	28.5	99.2	99.2	7.8	6.6	7.8	6.6	9		86		90	821813	808142	<0.2	1.9	1.8	
						1.0	0.2	67	19.0		8.1		28.5		99.2		7.8	6.6			10		86					<0.2	1.8		
					Middle	3.6	0.2	54	19.0	19.0	8.2	8.2	28.5	28.5	99.4	99.4	7.8	7.4	7.9		10	10	91					<0.2	1.8		
						3.6	0.3	55	19.0		8.2		28.5		99.4		7.8	7.4			9		90					<0.2	1.9		
					Bottom	6.2	0.2	50	19.0	19.0	8.2	8.2	28.5	28.5	99.7	99.8	7.8	9.7			10		94					<0.2	1.8		
						6.2	0.2	51	19.0		8.2		28.6		99.8		7.8	10.0			9		95					<0.2	1.7		

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Foggy	Moderate	12:30	7.1	Surface	1.0	0.3	52	19.1	19.1	8.1	8.1	28.3	28.3	99.4	99.4	7.8	7.8	5.9	8	8	87	91	822101	808823	<0.2	2.2	2.2		
						1.0	0.3	55	19.1		8.1		28.3		99.4		7.8		5.9	8	86					<0.2	2.2			
					Middle	3.6	0.2	48	19.0	19.0	8.1	8.1	28.4	28.4	99.1	99.2	7.8	7.8	6.4	7	91	90	91	822101	808823	<0.2	2.2			
						3.6	0.3	52	19.0		8.1		28.4		99.2		7.8		6.4	8	90					<0.2	2.1			
					Bottom	6.1	0.3	45	19.0	19.0	8.1	8.1	28.4	28.4	99.4	99.5	7.8	7.8	16.9	8	94	95	95	822101	808823	<0.2	2.4			
					6.1	0.3	48	19.0			8.1		28.4		99.5		7.8		16.2	7					<0.2	2.3				
IM10	Foggy	Moderate	12:20	8.4	Surface	1.0	0.3	338	19.0	19.0	8.1	8.1	28.5	28.5	98.8	98.8	7.7	7.7	4.3	7	86	87	90	822386	809771	<0.2	1.6	1.5		
						1.0	0.3	343	19.0		8.1		28.5		98.8		7.7		4.3	8	87					<0.2	1.4			
					Middle	4.2	0.3	321	18.9	18.9	8.1	8.1	28.5	28.5	98.7	98.7	7.7	7.7	5.3	7	91	90	91	822386	809771	<0.2	1.5			
						4.2	0.3	336	18.9		8.1		28.5		98.7		7.7		5.3	8	90					<0.2	1.5			
					Bottom	7.4	0.3	314	18.9	18.9	8.1	8.1	28.7	28.7	98.9	98.9	7.8	7.8	9.3	6	94	94	94	822386	809771	<0.2	1.5			
					7.4	0.3	319	18.9			8.1		28.7		98.9		7.8		9.2	6					<0.2	1.5				
IM11	Foggy	Moderate	12:06	7.2	Surface	1.0	0.3	288	19.1	19.1	8.2	8.2	28.4	28.4	100.9	100.9	7.9	7.8	2.6	3	86	87	90	822041	811438	<0.2	1.8	1.8		
						1.0	0.4	291	19.1		8.2		28.4		100.9		7.9		2.6	3	87					<0.2	1.7			
					Middle	3.6	0.2	292	19.0	19.0	8.1	8.1	29.4	29.5	98.4	98.4	7.7	7.7	3.8	3	90	91	91	822041	811438	<0.2	1.7			
						3.6	0.3	312	19.0		8.1		29.5		98.4		7.7		4.2	4	91					<0.2	1.7			
					Bottom	6.2	0.2	301	19.0	19.0	8.1	8.1	29.7	29.7	98.7	98.8	7.7	7.7	6.1	3	94	94	94	822041	811438	<0.2	1.7			
					6.2	0.2	310	19.0			8.1		29.7		98.9		7.7		5.9	3					<0.2	1.9				
IM12	Foggy	Moderate	11:58	9.8	Surface	1.0	0.3	258	19.0	19.0	8.2	8.2	28.9	28.9	100.3	100.3	7.8	7.8	3.1	4	87	86	91	821462	812065	<0.2	1.7	1.7		
						1.0	0.3	267	19.0		8.2		28.9		100.3		7.8		3.1	4	86					<0.2	1.7			
					Middle	4.9	0.4	276	18.9	18.9	8.2	8.2	29.7	29.7	98.5	98.5	7.7	7.7	4.9	4	91	90	91	821462	812065	<0.2	1.7			
						4.9	0.4	276	18.9		8.2		29.7		98.5		7.7		5.0	4	90					<0.2	1.6			
					Bottom	8.8	0.2	283	18.9	18.9	8.2	8.2	30.0	30.0	98.8	98.9	7.7	7.7	7.2	4	95	95	95	821462	812065	<0.2	1.7			
					8.8	0.2	293	18.9			8.2		30.0		98.9		7.7		7.3	3					<0.2	1.7				
SR1A	Foggy	Moderate	11:34	5.3	Surface	1.0	-	-	19.0	19.0	8.2	8.2	28.5	28.5	101.7	101.7	8.0	8.0	3.3	4	-	-	-	819976	812661	-	-	-		
						1.0	-	-	19.0		8.2		28.5		101.7		8.0		3.4	5	-	-	-	819976	812661	-	-			
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
						2.7	-	-	-		-		-		-		-		-	-	-	-	-	-	-	-	-		-	-
					Bottom	4.3	-	-	19.1	19.1	8.2	8.2	29.9	29.8	100.6	100.7	7.8	7.8	4.2	5	-	-	-	-	-	819976	812661		-	-
					4.3	-	-	19.1		8.2		29.8		100.8		7.8		4.1	6	-	-	-	-	-	-					
SR2	Foggy	Moderate	11:20	5.1	Surface	1.0	0.2	324	19.0	19.0	8.2	8.2	29.6	29.6	99.1	99.1	7.7	7.7	4.7	3	86	86	86	821441	814150	<0.2	1.3	1.4		
						1.0	0.3	352	19.0		8.2		29.6		99.1		7.7		4.7	3	86					<0.2	1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
						-	-	-	-		-		-		-		-		-	-	-	-	-	-	-	-	-		-	-
					Bottom	4.1	0.2	328	18.9	18.9	8.2	8.2	29.7	29.7	99.3	99.3	7.7	7.7	6.8	5	91	91	91	821441	814150	<0.2	1.5			
					4.1	0.2	328	18.9		8.2		29.7		99.3		7.7		6.8	4					<0.2	1.4					
SR3	Foggy	Moderate	12:48	8.5	Surface	1.0	0.1	50	19.3	19.3	8.1	8.1	28.0	28.0	99.2	99.2	7.8	7.8	4.1	6	-	-	-	822146	807551	-	-	-		
						1.0	0.1	54	19.3		8.1		28.0		99.2		7.8		4.1	6	-	-	-	822146	807551	-	-			
					Middle	4.3	0.2	59	19.0	19.0	8.1	8.1	28.3	28.3	97.9	98.0	7.7	7.7	4.8	6	-	-	-	-	-	-	-		-	-
						4.3	0.2	64	19.0		8.1		28.3		98.0		7.7		4.8	5	-	-	-	-	-	-	-		-	-
					Bottom	7.5	0.2	36	18.9	18.9	8.1	8.1	28.4	28.4	97.9	98.0	7.7	7.7	6.5	5	-	-	-	-	-	822146	807551		-	-
					7.5	0.2	38	18.9		8.1		28.4		98.0		7.7		6.5	6	-	-	-	-	-	-					
SR4A	Foggy	Calm	10:35	8.5	Surface	1.0	0.2	78	19.0	19.0	8.2	8.2	29.7	29.7	98.7	98.7	7.7	7.7	5.1	<2	-	-	-	817174	807792	-	-	-		
						1.0	0.2	82	19.0		8.2		29.7		98.7		7.7		5.1	<2	-	-	-	817174	807792	-	-			
					Middle	4.3	0.1	56	19.0	19.0	8.2	8.2	29.7	29.7	98.5	98.5	7.7	7.7	4.9	<2	-	-	-	-	-	-	-		-	
						4.3	0.1	56	19.0		8.2		29.7		98.5		7.7		5.1	<2	-	-	-	-	-	-	-		-	-
					Bottom	7.5	0.0	110	18.9	18.9	8.2	8.2	29.7	29.7	98.3	98.4	7.7	7.7	6.8	<2	-	-	-	-	-	817174	807792		-	-
					7.5	0.0	113	18.9		8.2		29.7		98.4		7.7		6.7	<2	-	-	-	-	-	-					
SR5A	Foggy	Calm	10:25	5.2	Surface	1.0	0.1	140	19.0	19.0	8.2	8.2	29.9	29.9	99.2	99.2	7.7	7.7	2.7	<2	-	-	-	816607	810712	-	-	-		
						1.0	0.1	141	19.0		8.2		29.9		99.2		7.7		2.6	<2	-	-	-	816607	810712	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
						-	-	-	-		-		-		-		-		-	-	-	-	-	-	-	-	-		-	
					Bottom	4.2	0.0	78	18.9	18.9	8.2	8.2	30.0	30.0	98.3	98.3	7.6	7.6	2.8	<2	-	-	-	-	-	816607	810712		-	-
					4.2	0.0	78	18.9		8.2		30.0		98.3		7.6		2.8	<2	-	-	-	-	-	-					
SR6	Foggy	Calm	09:54	4.5	Surface	1.0	0.0	213	19.0	19.0	8.1	8.1	30.0	30.0	98.5	98.5	7.6	7.6	2.6	9	-	-	-	817908	814658	-	-	-		
						1.0	0.0	213	19.0		8.1		30.0		98.4		7.6		2.6	8	-	-	-	817908	814658	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
						-	-	-	-		-		-		-		-		-	-	-	-	-	-	-	-	-		-	
					Bottom	3.5	0.0	241	19.0	19.0	8.1	8.1	30.0	30.0	98.3	98.3	7.6	7.6	2.5	4	-	-	-	-	-	817908	814658		-	-
					3.5	0.0	264	19.0		8.1		30.0		98.3		7.6		2.5	4	-	-	-	-	-	-					
SR7	Foggy	Moderate	10:23	14.7	Surface	1.0	0.2	166	19.0	19.0	8.1	8.1	30.0	30.0	98.3	98.3	7.6	7.6	2.6	4	-	-	-	823642	823744	-	-	-		
						1.0	0.2	170	19.0		8.1		30.0		98.3		7.6		2.5	5	-	-	-	823642	823744	-	-			
					Middle	7.4	0.2	178	19.0	19.0	8.1	8.1	30.1	30.1	97.8	97.8	7.6	7.6	2.5	5	-	-	-	-	-	-	-		-	
						7.4	0.2	187	19.0		8.1		30.1		97.8		7.6		2.6	5	-	-	-	-	-	-	-		-	
					Bottom	13.7	0.3	212	19.0	19.0	8.1	8.1	30.1	30.1	97.6	97.6	7.6	7.6	2.8	7	-	-	-	-	-	823642	823744		-	-
					13.7	0.3	214	19.0		8.1		30.1		97.6		7.6		2.9	8	-	-	-	-	-						
SR8	Foggy	Moderate	11:48	4.7	Surface	1.0	-	-	18.9	18.9	8.2	8.2	28.7	28.7	100.0	100.0	7.8	7.8	4.9	5	-	-	-	820394	811607	-	-	-		
						1.0	-	-	18.9		8.2		28.7		100.0		7.8		4.9	6										

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Foggy	Moderate	06:58	8.7	Surface	1.0	0.1	200	19.2	19.2	8.1	8.1	29.4	29.4	96.9	97.0	7.5	8.5		3		85		87	815618	804256	<0.2	1.8	1.7		
						1.0	0.1	206	19.2		8.1		29.4		97.1		7.5	8.5	7.5	3		85		87			<0.2	1.6			
					Middle	4.4	0.0	238	19.2	19.2	8.2	8.2	29.2	29.2	96.9	96.9	7.5	6.5	7.3	4	3	87		87			<0.2	1.9			
						4.4	0.0	238	19.2		8.2		29.3		96.8		7.5	6.6		3		86		87			<0.2	1.7			
					Bottom	7.7	0.1	243	19.2	19.2	8.2	8.2	29.4	29.4	96.5	96.5	7.5	6.9	7.5	<2		89		89			<0.2	1.5			
					7.7	0.1	250	19.2		8.2		29.4		96.5		7.5	6.9	<2		88			<0.2	1.6							
C2	Foggy	Moderate	07:01	12.1	Surface	1.0	0.6	160	19.0	19.0	8.1	8.1	25.8	25.8	92.7	92.7	7.4	7.4		3		85		87	825704	806959	<0.2	4.7	4.6		
						1.0	0.6	167	19.0		8.1		25.8		92.7		7.4	7.7	7.3	3		87		87			<0.2	4.5			
					Middle	6.1	0.2	160	19.0	19.0	8.1	8.1	29.6	29.6	92.6	92.7	7.2	11.2	9.2	3	3	88		87			<0.2	4.5			
						6.1	0.2	170	19.0		8.1		29.6		92.6		7.2	11.2		4		87		87			<0.2	4.6			
					Bottom	11.1	0.1	315	19.0	19.0	8.1	8.1	30.0	30.0	94.2	94.3	7.3	8.8	7.3	3		89		89			<0.2	4.7			
					11.1	0.1	322	19.0		8.1		30.0		94.4		7.3	8.8	7.3	4		88			<0.2	4.8						
C3	Foggy	Moderate	05:29	11.9	Surface	1.0	0.2	67	18.8	18.8	8.1	8.1	30.3	30.3	93.0	93.0	7.2	3.3		2		85		87	822085	817808	<0.2	2.1	2.6		
						1.0	0.2	72	18.8		8.1		30.3		92.9		7.2	3.3	7.2	2		85		87			<0.2	2.1			
					Middle	6.0	0.1	77	18.9	18.9	8.1	8.1	30.5	30.5	92.1	92.1	7.1	3.3	3.3	2	2	87		87			<0.2	2.8			
						6.0	0.1	78	18.9		8.1		30.5		92.0		7.1	3.3		2		88		87			<0.2	3.0			
					Bottom	10.9	0.1	89	18.9	18.9	8.1	8.1	30.7	30.7	92.1	92.1	7.1	3.4		3		89		89			<0.2	2.8			
					10.9	0.2	95	18.9		8.1		30.7		92.1		7.1	3.4		3		89			<0.2	2.7						
IM1	Foggy	Moderate	07:15	5.4	Surface	1.0	0.2	147	19.4	19.4	8.1	8.1	28.7	28.7	97.3	97.3	7.6	6.5		3		87		87	817942	807125	<0.2	1.6	1.8		
						1.0	0.2	153	19.4		8.1		28.8		97.3		7.6	6.5	7.6	3		87		87			<0.2	1.6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-
					Bottom	4.4	0.1	208	19.4	19.4	8.1	8.1	29.0	29.0	97.1	97.1	7.5	6.5	7.5	2		88		88			<0.2	2.0			
					4.4	0.1	225	19.4		8.1		29.0		97.0		7.5	6.6	4	90		90			<0.2	2.1						
IM2	Foggy	Moderate	07:22	7.8	Surface	1.0	0.1	149	19.3	19.4	8.1	8.1	28.2	28.2	97.5	97.6	7.6	6.4		3		86		87	818185	806146	<0.2	2.9	2.8		
						1.0	0.1	162	19.4		8.1		28.2		97.6		7.6	6.4	7.6	<2		85		87			<0.2	2.7			
					Middle	3.9	0.1	133	19.4	19.4	8.1	8.1	28.8	28.8	97.8	97.9	7.6	8.7	7.8	3	3	87		87			<0.2	3.2			
						3.9	0.1	142	19.4		8.1		28.9		97.9		7.6	8.9		<2		87		87			<0.2	3.0			
					Bottom	6.8	0.2	180	19.4	19.4	8.2	8.2	28.9	28.8	99.1	99.2	7.7	8.3	7.7	3		87		87			<0.2	2.6			
					6.8	0.2	194	19.4		8.2		28.8		99.2		7.7	8.3	<2		88			<0.2	2.3							
IM3	Foggy	Moderate	07:30	7.4	Surface	1.0	0.2	185	19.3	19.3	8.1	8.1	28.2	28.2	96.8	96.9	7.6	6.6		3		87		87	818790	805574	<0.2	2.9	2.3		
						1.0	0.2	188	19.3		8.1		28.3		96.9		7.6	6.6	7.6	3		85		87			<0.2	3.1			
					Middle	3.7	0.1	204	19.3	19.3	8.1	8.1	28.9	28.9	97.3	97.3	7.6	6.5	6.6	3	3	87		87			<0.2	1.8			
						3.7	0.1	221	19.3		8.1		28.9		97.3		7.6	6.5		2		87		87			<0.2	1.9			
					Bottom	6.4	0.2	221	19.3	19.3	8.1	8.1	29.0	29.0	97.4	97.5	7.6	6.7	7.6	2		89		89			<0.2	1.8			
					6.4	0.2	240	19.3		8.1		29.0		97.5		7.6	6.7	3	89		89			<0.2	2.0						
IM4	Foggy	Moderate	07:36	7.6	Surface	1.0	0.1	209	19.3	19.3	8.1	8.1	27.6	27.6	96.8	96.8	7.6	6.9		<2		86		86	819731	804589	<0.2	2.0	2.2		
						1.0	0.2	219	19.3		8.1		27.6		96.8		7.6	7.0	7.6	<2		86		86			<0.2	2.1			
					Middle	3.8	0.2	182	19.3	19.3	8.1	8.1	27.9	28.0	97.4	97.5	7.6	6.8	6.8	4	3	86		86			<0.2	1.8			
						3.8	0.2	184	19.3		8.1		28.0		97.5		7.6	6.8		4		86		86			<0.2	2.0			
					Bottom	6.6	0.1	190	19.3	19.3	8.1	8.1	28.3	28.3	98.0	98.1	7.6	6.7	7.7	3		87		87			<0.2	2.5			
					6.6	0.1	206	19.3		8.1		28.3		98.2		7.7	6.7	3	88		88			<0.2	2.6						
IM5	Foggy	Moderate	07:42	7.5	Surface	1.0	0.2	200	19.2	19.2	8.1	8.1	27.2	27.2	96.8	96.8	7.6	7.1		3		85		85	820746	804865	<0.2	2.0	2.5		
						1.0	0.2	217	19.2		8.1		27.2		96.8		7.6	7.1	7.6	3		85		85			<0.2	2.0			
					Middle	3.8	0.2	186	19.3	19.3	8.1	8.1	28.0	28.0	97.4	97.5	7.6	6.8	6.9	3	4	87		87			<0.2	2.7			
						3.8	0.2	191	19.3		8.1		28.0		97.5		7.6	6.8		3		86		86			<0.2	2.8			
					Bottom	6.5	0.2	344	19.3	19.3	8.1	8.1	28.2	28.2	98.7	98.9	7.7	6.8	7.7	6		89		89			<0.2	2.6			
					6.5	0.2	316	19.3		8.1		28.2		98.1		7.7	6.9	5	89		89			<0.2	2.6						
IM6	Foggy	Moderate	07:50	7.6	Surface	1.0	0.2	88	19.2	19.2	8.1	8.1	25.1	25.1	95.5	96.6	7.7	7.0		4		86		84	821074	805832	<0.2	2.2	2.5		
						1.0	0.2	95	19.2		8.1		25.1		96.7		7.7	6.9	7.7	4		84		84			<0.2	2.0			
					Middle	3.8	0.2	75	19.3	19.3	8.1	8.1	28.8	28.8	97.3	97.4	7.6	6.5	6.6	4	4	87		87			<0.2	2.7			
						3.8	0.2	76	19.3		8.1		28.9		97.5		7.6	6.5		3		85		87			<0.2	2.7			
					Bottom	6.6	0.1	82	19.3	19.3	8.1	8.1	28.9	28.9	99.3	99.6	7.7	6.5	7.8	3		87		87			<0.2	2.7			
					6.6	0.1	88	19.3		8.1		28.9		99.8		7.8	6.5	3	87		87			<0.2	2.9						
IM7	Foggy	Moderate	07:58	7.8	Surface	1.0	0.1	99	19.3	19.3	8.1	8.1	25.2	25.3	94.5	94.4	7.5	7.6		4		86		87	821341	806834	<0.2	2.8	2.7		
						1.0	0.1	100	19.3		8.1		25.4		94.2		7.5	7.6	7.4	3		85		87			<0.2	2.8			
					Middle	3.9	0.1	72	19.3	19.3	8.1	8.1	29.3	29.4	93.9	93.9	7.3	7.7	8.0	5	5	87		87			<0.2	2.6			
						3.9	0.1	76	19.3		8.1		29.4		93.9		7.3	7.7		5		88		87			<0.2	2.7			
					Bottom	6.8	0.2	128	19.3	19.3	8.1	8.1	29.6	29.5	95.5	95.6	7.4	8.8	7.4	6		86		86			<0.2	2.4			
					6.8	0.2	128	19.3		8.1		29.5		95.6		7.4	8.8	6	88		88			<0.2	2.6						
IM8	Foggy	Moderate	06:35	7.2	Surface	1.0	0.3	222	18.9	18.9	8.1	8.1	27.6	27.6	95.2	95.2	7.5	4.2		3		85		87	821837	808125	<0.2	4.0	3.9		
						1.0	0.4	234	18.9		8.1		27.6		95.2		7.5	4.2	7.5	3		85		87			<0.2	3.8			
					Middle	3.6	0.2	256	19.0	19.0	8.1	8.1	28.5	28.4	96.0	96.0	7.5	3.9	4.0	5	4	87		87			<0.2	4.0			
						3.6	0.2	271	18.9		8.1		28.4		96.0		7.5	3.9		5		87		87			<0.2	4.0			
					Bottom	6.2	0.2	291	18.9	18.9	8.1	8.1	28.7	28.6	97.7	97.9	7.7	3.9	7.7	5		88		88			<0.2	3.9			
					6.2	0.2	310	18.9		8.1																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Foggy	Moderate	06:31	6.9	Surface	1.0	0.3	203	18.9	18.9	8.1	8.1	28.0	28.0	95.3	95.4	7.5	4.1	3	3	86	87	822111	808806	<0.2		3.9			
						1.0	0.3	204	18.9		8.1		28.0		95.4		7.5	4.1	3	3	86	87	<0.2		3.8					
					Middle	3.5	0.2	208	19.0	19.0	8.1	8.1	28.4	28.4	96.0	96.1	7.5	3.9	2	3	87	88	<0.2		3.9	3.8				
						3.5	0.3	209	19.0		8.1		28.5		96.1		7.5	3.8	3	3	88	89	<0.2	<0.2	3.7					
					Bottom	5.9	0.1	203	19.0	19.0	8.1	8.1	28.7	28.7	96.8	96.9	7.6	3.7	3	3	89	90	<0.2		3.8					
						5.9	0.1	207	19.0		8.1		28.8		97.0		7.6	3.7	4	4	87		<0.2		3.6					
IM10	Foggy	Moderate	06:24	7.6	Surface	1.0	0.4	169	19.0	19.0	8.1	8.1	28.7	28.7	95.4	95.5	7.5	3.7	5	4	86	87	822389	809796	<0.2		3.9			
						1.0	0.5	176	19.0		8.1		28.8		95.5		7.5	3.6	4	4	86	87	<0.2		3.9					
					Middle	3.8	0.2	125	19.0	19.0	8.1	8.1	29.4	29.4	95.9	96.0	7.5	3.6	5	5	87	88	<0.2		3.9	4.0				
						3.8	0.2	125	19.0		8.1		29.4		96.0		7.5	3.7	5	5	88	89	<0.2	<0.2	4.1					
					Bottom	6.6	0.2	107	19.0	19.0	8.1	8.1	29.5	29.5	96.8	97.0	7.5	3.8	2	2	90	91	<0.2		4.1					
						6.6	0.2	111	19.0		8.1		29.4		97.2		7.6	3.8	3	3	89		<0.2		4.0					
IM11	Foggy	Moderate	06:14	7.3	Surface	1.0	0.2	146	19.0	19.0	8.1	8.1	28.6	28.7	96.3	96.3	7.5	3.5	3	3	86	87	822040	811442	<0.2		3.6			
						1.0	0.2	154	19.0		8.1		28.7		96.3		7.5	3.5	3	3	87	88	<0.2		3.6					
					Middle	3.7	0.3	132	19.0	19.0	8.1	8.1	29.3	29.3	96.6	96.7	7.5	3.8	3	3	86	89	<0.2		3.6	3.4				
						3.7	0.3	136	19.0		8.1		29.3		96.7		7.5	3.9	2	2	89	90	<0.2	<0.2	3.3					
					Bottom	6.3	0.1	124	19.0	19.0	8.1	8.1	29.3	29.3	97.9	98.0	7.6	4.1	4	4	89	90	<0.2		3.2					
						6.3	0.1	124	19.0		8.1		29.3		98.1		7.6	4.1	2	2	90		<0.2		3.3					
IM12	Foggy	Moderate	06:08	8.8	Surface	1.0	0.3	137	19.0	19.0	8.1	8.1	29.2	29.2	95.7	95.7	7.5	3.4	4	4	87	88	821445	812030	<0.2		2.2			
						1.0	0.3	141	19.0		8.1		29.2		95.7		7.5	3.4	4	4	86	89	<0.2		2.1					
					Middle	4.4	0.3	136	19.0	19.0	8.1	8.1	29.5	29.5	95.4	95.4	7.4	3.4	3	4	88	89	<0.2	<0.2	2.3	2.2				
						4.4	0.3	136	19.0		8.1		29.5		95.4		7.4	3.5	4	4	89	91	<0.2		2.2					
					Bottom	7.8	0.1	66	18.9	18.9	8.1	8.1	29.9	29.8	95.7	95.8	7.5	4.6	5	5	91	90	<0.2		2.3					
						7.8	0.1	69	18.9		8.1		29.8		95.9		7.5	4.6	5	5	90		<0.2		2.2					
SR1A	Foggy	Moderate	06:00	4.4	Surface	1.0	-	-	19.0	19.0	8.1	8.1	29.5	29.5	96.5	96.5	7.5	3.3	2	-	-	-	819973	812657	-	-	-	-		
						1.0	-	-	19.0		8.1		29.5		96.5		7.5	3.3	3	-	-	-	-	-	-	-	-			
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	3	-	-	-	-	-	-	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-	-	-	-	-		
					Bottom	3.4	-	-	18.9	18.9	8.1	8.1	29.8	29.7	96.4	96.5	7.5	3.8	3	-	-	-	-	-	-	-	-	-	-	
						3.4	-	-	18.9		8.1		29.7		96.6		7.5	3.8	3	-	-	-	-	-	-	-	-	-	-	
SR2	Foggy	Moderate	05:52	4.8	Surface	1.0	0.3	124	18.8	18.8	8.1	8.1	29.7	29.7	96.4	96.4	7.5	3.8	2	86	86	821453	814155	<0.2		2.3				
						1.0	0.3	124	18.8		8.1		29.7		96.4		7.5	3.8	<2	3	-	-	-	-	-	-	-	2.2		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8	-	3	-	-	-	-	-	<0.2		-	
						-	-	-	-		-		-		-		-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.8	0.1	122	18.8	18.8	8.1	8.1	29.7	29.7	96.6	96.6	7.7	3.9	3	89	90	<0.2		2.0						
						3.8	0.2	133	18.8		8.1		29.7		96.6		7.7	3.9	3	90		<0.2		2.2						
SR3	Foggy	Moderate	06:41	8.8	Surface	1.0	0.5	176	18.9	18.9	8.1	8.1	25.4	25.5	95.2	95.3	7.6	4.0	4	-	-	-	822125	807587	-	-	-	-		
						1.0	0.5	179	18.9		8.1		25.5		95.4		7.6	3.9	3	-	-	-	-	-	-	-	-	-		
					Middle	4.4	0.3	198	19.0	19.0	8.1	8.1	29.3	29.3	96.1	96.2	7.5	3.5	4	-	-	-	-	-	-	-	-	-		
						4.4	0.3	212	19.0		8.1		29.3		96.2		7.5	3.5	4	-	-	-	-	-	-	-	-	-		
					Bottom	7.8	0.2	245	19.0	19.0	8.1	8.1	29.0	28.9	98.3	98.6	7.7	12.1	4	-	-	-	-	-	-	-	-	-	-	
						7.8	0.3	248	18.9		8.1		28.9		98.8		7.7	12.1	5	-	-	-	-	-	-	-	-	-	-	
SR4A	Foggy	Calm	06:35	8.9	Surface	1.0	0.1	115	19.2	19.2	8.1	8.1	29.4	29.3	97.0	97.1	7.5	6.8	3	-	-	-	817195	807804	-	-	-	-		
						1.0	0.1	118	19.2		8.1		29.3		97.2		7.5	6.6	4	-	-	-	-	-	-	-	-			
					Middle	4.5	0.1	126	19.4	19.4	8.1	8.1	29.0	29.0	98.1	98.1	7.6	6.3	3	-	-	-	-	-	-	-	-	-		
						4.5	0.2	134	19.4		8.1		29.0		98.1		7.6	6.3	3	-	-	-	-	-	-	-	-	-		
					Bottom	7.9	0.1	131	19.2	19.2	8.1	8.1	29.3	29.3	97.9	98.0	7.6	6.7	4	-	-	-	-	-	-	-	-	-		
						7.9	0.2	134	19.2		8.1		29.3		98.0		7.6	6.7	4	-	-	-	-	-	-	-	-	-		
SR5A	Foggy	Calm	06:21	4.8	Surface	1.0	0.1	21	19.1	19.1	8.2	8.2	29.2	29.2	98.0	98.0	7.6	6.8	3	-	-	-	816600	810693	-	-	-	-		
						1.0	0.1	22	19.1		8.2		29.2		98.0		7.6	6.7	3	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6	-	3	-	-	-	-	-	-	-		
						-	-	-	-		-		-		-		-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.8	0.2	29	19.1	19.1	8.2	8.2	29.3	29.3	98.9	99.0	7.7	6.7	3	-	-	-	-	-	-	-	-	-	-	
						3.8	0.2	29	19.1		8.2		29.3		99.1		7.7	6.7	2	-	-	-	-	-	-	-	-	-		
SR6	Foggy	Calm	05:54	4.6	Surface	1.0	0.1	84	19.1	19.1	8.1	8.1	30.1	30.1	96.3	96.3	7.5	5.6	3	-	-	-	817903	814650	-	-	-	-		
						1.0	0.1	84	19.1		8.1		30.1		96.2		7.4	5.6	3	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	3	-	-	-	-	-	-	-		
						-	-	-	-		-		-		-		-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	0.2	117	19.2	19.2	8.1	8.1	30.2	30.2	96.1	96.1	7.4	5.7	3	-	-	-	-	-	-	-	-	-	-	
						3.6	0.2	127	19.2		8.1		30.2		96.1		7.4	5.7	3	-	-	-	-	-	-	-	-	-		
SR7	Foggy	Moderate	04:56	15.6	Surface	1.0	0.2	74	18.8	18.8	8.1	8.1	30.6	30.6	94.8	94.8	7.4	2.6	2	-	-	-	823656	823728	-	-	-	-		
						1.0	0.2	76	18.8		8.1		30.6		94.7		7.4	2.6	3	-	-	-	-	-	-	-	-			
					Middle	7.8	0.2	57	18.8	18.8	8.1	8.1	30.6	30.6	94.6	94.6	7.3	2.7	3	-	-	-	-	-	-	-	-	-		
						7.8	0.2	57	18.8		8.1		30.6		94.6		7.3	2.7	<2	3	-	-	-	-	-	-	-	-		
					Bottom	14.6	0.2	60	18.8	18.8	8.1	8.1	30.7	30.7	94.6	94.6	7.3	2.7	2	-	-	-	-	-	-	-	-	-		
						14.6	0.2	61	18.8		8.1		30.7		94.6		7.3	2.7	3	-	-	-	-	-	-	-	-	-		
SR8	Foggy	Moderate	06:05	5.2	Surface	1.0	-	-	18.9	18.9	8.1	8.1	29.7	29.7	95.3	95.3	7.4	3.5	4	-	-	-	820394	811603	-	-	-	-		
						1.0	-	-	18.9		8.1		29.7		95.3		7.4	3.6	4	-	-	-	-	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5	-	4	-	-	-	-	-	-	-		
						-	-	-	-		-		-		-		-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.2	-	-	18.9	18.9	8.1	8.1	29.8	29.8	95.6	95.7	7.4	3.5	3	-	-	-	-	-	-	-	-	-	-	
						4.2	-	-	18.9		8.1		29.8		95.7		7.5	3.5	3	-	-	-								

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Foggy	Moderate	12:51	8.8	Surface	1.0	0.3	65	19.0	19.0	8.1	8.1	29.0	29.0	97.5	97.5	7.6	3.6	4		84		<0.2	4.6	815632	804267	<0.2	4.6	4.7		
						1.0	0.3	65	19.0		8.1		29.0		97.5		7.6	3.6	4		85		<0.2	4.8							
					Middle	4.4	0.3	42	19.0	19.0	8.1	8.1	29.1	29.1	97.3	97.3	7.6	4.2	<2	3	87		<0.2	4.5							
						4.4	0.3	43	19.0		8.1		29.1		97.2		7.6	4.6	<2		87		<0.2	4.6							
					Bottom	7.8	0.2	22	18.9	19.0	8.1	8.1	29.4	29.4	95.4	95.3	7.4	13.1	<2		88		<0.2	4.6							
						7.8	0.2	24	19.0		8.1		29.3		95.2		7.4	13.1	2		89		<0.2	4.8							
C2	Foggy	Moderate	11:56	11.8	Surface	1.0	0.2	209	19.2	19.2	8.1	8.1	26.5	26.4	96.4	96.3	7.6	7.5	5		83		<0.2	4.8	825699	806952	<0.2	4.8	2.6		
						1.0	0.2	217	19.2		8.1		26.3		96.2		7.6	7.5	6		83		<0.2	4.6							
					Middle	5.9	0.1	291	19.3	19.3	8.1	8.1	28.8	28.8	94.7	94.7	7.4	6.9	5	5	85		<0.2	1.6							
						5.9	0.1	306	19.3		8.1		28.9		94.7		7.4	6.8	4		86		<0.2	1.6							
					Bottom	10.8	0.3	330	19.3	19.3	8.1	8.1	29.1	29.1	94.8	94.9	7.4	6.6	6		87		<0.2	1.5							
						10.8	0.3	342	19.3		8.1		29.1		94.9		7.4	6.7	6		87		<0.2	1.5							
C3	Foggy	Moderate	13:34	12.1	Surface	1.0	0.3	242	19.2	19.2	8.2	8.2	29.7	29.7	97.6	97.5	7.6	5.9	4		84		<0.2	4.4	822085	817813	<0.2	4.4	4.3		
						1.0	0.3	257	19.2		8.2		29.7		97.4		7.6	5.9	4		84		<0.2	4.5							
					Middle	6.1	0.4	264	19.2	19.2	8.2	8.2	30.2	30.3	94.1	94.1	7.3	5.8	4	4	87		<0.2	4.4							
						6.1	0.4	258	19.2		8.2		30.3		94.0		7.3	5.9	4		88		<0.2	4.4							
					Bottom	11.1	0.3	269	19.2	19.2	8.2	8.2	30.6	30.5	94.8	95.1	7.3	6.0	4		91		<0.2	4.2							
						11.1	0.3	277	19.2		8.2		30.5		95.3		7.4	6.0	4		92		<0.2	4.1							
IM1	Foggy	Moderate	12:38	5.6	Surface	1.0	0.3	32	19.0	19.0	8.1	8.1	29.6	29.6	95.4	95.4	7.4	3.8	<2		86		<0.2	4.4	817962	807153	<0.2	4.4	4.5		
						1.0	0.3	34	18.9		8.1		29.7		95.3		7.4	4.0	<2		86		<0.2	4.3							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	2	-		-						<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-						<0.2	-
					Bottom	4.6	0.2	19	18.9	18.9	8.1	8.1	29.9	29.9	95.3	95.4	7.4	5.3	<2		88		<0.2	4.6							
						4.6	0.3	20	18.9		8.1		29.9		95.4		7.4	5.5	2		88		<0.2	4.5							
IM2	Foggy	Moderate	12:30	7.6	Surface	1.0	0.2	39	19.1	19.1	8.1	8.1	29.1	29.1	96.2	96.2	7.5	3.2	<2		85		<0.2	4.4	818181	806147	<0.2	4.4	4.5		
						1.0	0.2	41	19.1		8.1		29.2		96.2		7.5	3.2	<2		86		<0.2	4.3							
					Middle	3.8	0.1	8	18.9	18.9	8.1	8.1	29.7	29.7	95.7	95.7	7.5	4.2	<2	<2	85		<0.2	4.7							
						3.8	0.1	8	18.9		8.1		29.7		95.7		7.5	4.3	<2		86		<0.2	4.6							
					Bottom	6.6	0.2	350	18.9	18.9	8.1	8.1	29.8	29.8	96.1	96.2	7.5	4.5	<2		88		<0.2	4.4							
						6.6	0.2	322	18.9		8.1		29.8		96.2		7.5	4.3	<2		88		<0.2	4.4							
IM3	Foggy	Moderate	12:23	7.4	Surface	1.0	0.3	11	19.1	19.1	8.1	8.1	28.5	28.5	96.7	96.7	7.6	3.7	<2		85		<0.2	4.6	818780	805602	<0.2	4.6	4.5		
						1.0	0.3	11	19.0		8.1		28.6		96.7		7.6	3.7	2		85		<0.2	4.6							
					Middle	3.7	0.2	17	18.9	18.9	8.1	8.1	29.1	29.2	96.7	96.7	7.6	4.7	<2	2	87		<0.2	4.6							
						3.7	0.2	18	18.9		8.1		29.2		96.7		7.6	4.9	<2		87		<0.2	4.4							
					Bottom	6.4	0.2	9	19.0	19.0	8.1	8.1	29.0	28.9	98.2	98.4	7.7	4.6	<2		88		<0.2	4.4							
						6.4	0.2	9	19.0		8.1		28.9		98.6		7.7	4.4	<2		88		<0.2	4.5							
IM4	Foggy	Moderate	12:16	7.9	Surface	1.0	0.2	342	19.0	19.0	8.0	8.0	27.5	27.6	96.5	96.6	7.6	4.0	<2		84		<0.2	4.4	819709	804587	<0.2	4.5	4.4		
						1.0	0.2	315	19.0		8.0		27.6		96.6		7.6	4.0	<2		84		<0.2	4.2							
					Middle	4.0	0.3	348	19.0	19.0	8.1	8.1	27.9	27.9	96.9	96.9	7.6	4.1	2	2	85		<0.2	4.5							
						4.0	0.3	351	19.0		8.1		27.9		96.9		7.6	4.1	<2		86		<0.2	4.4							
					Bottom	6.9	0.2	21	19.0	19.0	8.1	8.1	27.8	27.7	97.3	97.4	7.7	6.7	2		87		<0.2	4.4							
						6.9	0.3	21	19.0		8.1		27.7		97.4		7.7	6.5	2		89		<0.2	4.6							
IM5	Foggy	Moderate	12:07	7.7	Surface	1.0	0.3	12	19.0	19.0	8.0	8.0	27.4	27.4	95.7	95.8	7.6	4.2	<2		86		<0.2	4.4	820740	804861	<0.2	4.4	4.4		
						1.0	0.3	13	19.0		8.0		27.4		95.8		7.6	4.2	2		86		<0.2	4.4							
					Middle	3.9	0.1	33	19.0	19.0	8.0	8.0	27.4	27.5	96.0	96.1	7.6	4.2	2	2	85		<0.2	4.4							
						3.9	0.1	33	19.0		8.0		27.5		96.1		7.6	4.3	<2		86		<0.2	4.3							
					Bottom	6.7	0.2	25	19.0	19.0	8.1	8.1	27.6	27.6	96.8	96.9	7.6	4.3	<2		86		<0.2	4.4							
						6.7	0.2	26	19.0		8.1		27.6		96.9		7.6	4.3	<2		87		<0.2	4.6							
IM6	Foggy	Moderate	12:01	7.4	Surface	1.0	0.0	112	19.1	19.1	8.0	8.0	26.6	26.6	95.4	95.4	7.6	4.7	<2		83		<0.2	4.3	821055	805804	<0.2	4.3	4.5		
						1.0	0.0	116	19.0	19.1	8.1	8.0	26.7	26.6	95.4	95.4	7.6	4.7	<2		85		<0.2	4.4							
					Middle	3.7	0.1	321	19.0	19.0	8.1	8.1	28.5	28.5	95.7	95.8	7.5	4.2	<2	<2	86		<0.2	4.6							
						3.7	0.1	350	19.0		8.1		28.5		95.7		7.5	4.2	<2		87		<0.2	4.4							
					Bottom	6.4	0.1	257	19.0	19.0	8.1	8.1	28.5	28.5	96.5	96.6	7.6	4.1	<2		87		<0.2	4.5							
						6.4	0.1	273	19.0		8.1		28.4		96.6		7.6	4.1	<2		89		<0.2	4.6							
IM7	Foggy	Moderate	11:56	7.8	Surface	1.0	0.2	300	18.9	18.9	8.1	8.1	27.0	26.9	94.7	94.7	7.5	4.7	<2		85		<0.2	4.2	821354	806848	<0.2	4.2	4.3		
						1.0	0.2	304	18.9		8.1		26.9		94.6		7.5	4.7	<2		85		<0.2	4.4							
					Middle	3.9	0.1	308	19.0	19.0	8.1	8.1	29.3	29.3	93.3	93.3	7.3	4.1	<2	2	86		<0.2	4.2							
						3.9	0.1	315	19.0		8.1		29.3		93.3		7.3	4.1	<2		86		<0.2	4.3							
					Bottom	6.8	0.1	346	19.0	19.0	8.1	8.1	29.6	29.6	93.5	93.6	7.3	3.8	2		87		<0.2	4.4							
						6.8	0.1	318	19.0		8.1		29.6		93.6		7.3	3.8	<2		88		<0.2	4.4							
IM8	Foggy	Moderate	12:14	7.4	Surface	1.0	0.2	233	19.3	19.3	8.1	8.1	26.9	26.9	97.1	97.2	7.6	7.1	3		85		<0.2	3.9	821808	808119	<0.2	3.9	3.8		
						1.0	0.2	245	19.3		8.1		26.9		97.2		7.6	7.1	4		84		<0.2	3.8							
					Middle	3.7	0.2	275	19.3	19.3	8.1	8.1	27.0	27.0	97.3	97.4	7.6	7.1	2	3	85		<0.2	3.8							
						3.7	0.2	279	19.3		8.1		27.1		97.4		7.7	7.0	3		86		<0.2	3.8							
					Bottom	6.4	0.2	282	19.3	19.3	8.1	8.1	27.2	27.2	98.2	98.3	7.7	7.2	4		87		<0.2	3.8							
						6.4	0.2	291	19.3		8.1		27.2		98.3		7.7	7.3	4		88		<0.2	3.8							

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

Water Quality Monitoring

Water Quality Monitoring Results on 15 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
IM9	Foggy	Moderate	12:19	7.2	Surface	1.0	0.2	266	19.4	19.4	8.1	8.1	27.1	27.1	97.8	97.8	7.7		6.9		3		84		86	822115	808816	<0.2		3.8	3.9
						1.0	0.2	289	19.4		8.1		27.2		97.8		7.7	7.7	6.9		2		84		86		<0.2		3.8		
					Middle	3.6	0.3	278	19.3	19.3	8.1	8.1	27.4	27.5	98.0	98.1	7.7		7.0		4	3	86		87		<0.2	<0.2	3.9		
						3.6	0.3	294	19.3		8.1		27.5		98.1		7.7		7.1		3		86		87		<0.2		4.0		
					Bottom	6.2	0.2	290	19.4	19.4	8.1	8.1	27.3	27.3	98.7	98.8	7.7	7.7	7.8		4		87		88		<0.2		3.9		
					6.2	0.2	298	19.4		8.1		27.3		98.8		7.7		7.8		3		88				<0.2		3.9			
IM10	Foggy	Moderate	12:26	7.4	Surface	1.0	0.4	297	19.4	19.4	8.1	8.1	28.1	28.1	98.3	98.3	7.7		6.6		3		84		85	822393	809811	<0.2		2.7	2.8
						1.0	0.4	316	19.4		8.1		28.1		98.3		7.7	7.7	6.6		3		83		85		<0.2		2.8		
					Middle	3.7	0.4	300	19.3	19.3	8.1	8.1	28.7	28.7	98.2	98.2	7.6		7.4		3	3	85		86		<0.2	<0.2	2.9		
						3.7	0.4	315	19.2		8.1		28.8		98.2		7.6		7.5		<2		85		87		<0.2	<0.2	2.7		
					Bottom	6.4	0.3	296	19.3	19.3	8.2	8.2	28.5	28.5	98.7	98.8	7.7	7.7	7.4		2		87		88		<0.2		2.8		
					6.4	0.3	301	19.3		8.2		28.4		98.8		7.7		7.3		3		86				<0.2		2.9			
IM11	Foggy	Moderate	12:37	7.9	Surface	1.0	0.4	291	19.4	19.4	8.1	8.1	28.7	28.7	97.8	97.8	7.6		6.2		2		84		84	822063	811470	<0.2		2.3	2.3
						1.0	0.4	299	19.4		8.1		28.7		97.8		7.6	7.6	6.2		2		84		87		<0.2		2.2		
					Middle	4.0	0.3	289	19.3	19.3	8.2	8.2	29.2	29.2	97.0	97.0	7.5		6.9		2	2	87		87		<0.2	<0.2	2.3		
						4.0	0.3	297	19.2		8.2		29.3	29.3	96.9		7.5		7.0		<2		87		88		<0.2		2.2		
					Bottom	6.9	0.4	296	19.2	19.2	8.2	8.2	29.3	29.3	97.4	97.6	7.6	7.6	7.2		2		88		88		<0.2		2.3		
					6.9	0.4	302	19.2		8.2		29.3		97.7		7.6		7.1		2		88				<0.2		2.5			
IM12	Foggy	Moderate	12:42	8.2	Surface	1.0	0.4	260	19.3	19.3	8.2	8.2	29.2	29.2	97.0	97.0	7.5		6.8		3		83		84	821464	812052	<0.2		2.4	2.5
						1.0	0.4	266	19.3		8.2		29.2		96.9		7.5	7.5	6.9		<2		84		87		<0.2		2.5		
					Middle	4.1	0.4	273	19.2	19.2	8.2	8.2	29.4	29.4	96.7	96.7	7.5		7.9		2	2	87		87		<0.2	<0.2	2.7		
						4.1	0.5	286	19.2		8.2		29.4		96.7		7.5		8.2		<2		87		88		<0.2		2.5		
					Bottom	7.2	0.4	274	19.2	19.3	8.2	8.2	29.3	29.3	97.6	97.7	7.6	7.6	7.8		<2		87		88		<0.2		2.5		
					7.2	0.4	274	19.3		8.2		29.3		97.8		7.6		7.5		<2		88				<0.2		2.5			
SR1A	Foggy	Moderate	13:01	4.6	Surface	1.0	-	-	19.3	19.3	8.2	8.2	29.4	29.4	99.2	99.2	7.7		7.0		2		-		-	819977	812653	-	-	-	-
						1.0	-	-	19.3		8.2		29.4		99.2		7.7	7.7	7.1		2		-		-		-	-	-		
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.1	-	-	2	-	-	-	-	-	-	
						2.3	-	-	-		-		-		-		-	-		-	-	-	-	-	-	-	-	-	-		
					Bottom	3.6	-	-	19.3	19.3	8.2	8.2	29.4	29.4	99.3	99.3	7.7	7.7	7.2		<2		-		-		-	-	-		
	3.6	-	-	19.3		8.2		29.4		99.3		7.7	7.7	7.2		<2		-		-		-	-	-							
SR2	Foggy	Moderate	13:12	4.8	Surface	1.0	0.3	346	19.2	19.2	8.2	8.2	29.6	29.6	97.9	98.1	7.6		7.7		3		84		84	821481	814144	<0.2		1.6	1.7
						1.0	0.3	318	19.2		8.2		29.6		98.2		7.6	7.6		4		84		87		<0.2		1.6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.2	-	3	-	-	-	-	<0.2		-	
						-	-	-	-		-		-		-		-	-		-	-	-	-	-	-	-	-	-			
					Bottom	3.8	0.3	347	19.3	19.3	8.2	8.2	29.5	29.5	98.7	98.8	7.6	7.6	10.7		3		87		87		<0.2		1.7		
					3.8	0.3	319	19.3		8.2		29.5		98.8		7.6		10.8		<2		87				<0.2		1.8			
SR3	Foggy	Moderate	12:10	8.7	Surface	1.0	0.3	71	19.4	19.4	8.1	8.1	26.2	26.2	96.9	96.9	7.6		7.0		2		-		-	822140	807548	-	-	-	-
						1.0	0.3	76	19.4		8.1		26.2		96.9		7.6	7.6	7.0		3		-		-		-	-	-		
					Middle	4.4	0.2	64	19.3	19.3	8.1	8.1	28.1	28.1	96.8	96.9	7.6		7.0		3	3	-		-		-	-	-		
						4.4	0.2	65	19.3		8.1		28.1		96.9		7.6		7.1		3		-		-		-	-	-		
					Bottom	7.7	0.1	19	19.3	19.3	8.1	8.1	28.0	27.9	97.7	97.8	7.6	7.7	7.1		3		-		-		-	-	-		
					7.7	0.1	19	19.3		8.1		27.8		97.8		7.7		7.1		3		-		-	-						
SR4A	Foggy	Moderate	13:15	8.6	Surface	1.0	0.2	231	19.0	19.0	8.1	8.1	29.8	29.8	97.6	97.6	7.6		4.1		2		-		-	817198	807832	-	-	-	-
						1.0	0.2	232	19.0		8.1		29.8		97.6		7.6	7.6	4.2		<2		-		-		-	-	-		
					Middle	4.3	0.1	245	19.0	19.0	8.1	8.1	29.8	29.8	97.9	98.0	7.6		4.3		<2	2	-		-		-	-	-		
						4.3	0.1	258	19.0		8.1		29.9		98.0		7.6		4.4		<2		-		-		-	-	-		
					Bottom	7.6	0.0	277	19.0	19.1	8.1	8.1	29.8	29.8	100.1	100.4	7.8	7.8	9.6		<2		-		-		-	-	-		
					7.6	0.0	282	19.1		8.1		29.8		100.6		7.8		9.7		<2		-		-	-						
SR5A	Foggy	Moderate	13:28	4.9	Surface	1.0	0.1	327	18.9	18.9	8.1	8.1	30.0	30.0	96.8	96.9	7.5		5.0		<2		-		-	816611	810680	-	-	-	-
						1.0	0.2	337	18.9		8.1		30.0		96.9		7.5	7.5	5.0		2		-		-		-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	-	2	-	-	-	-	-	-	
						-	-	-	-		-		-		-		-	-		-	-	-	-	-	-	-	-	-			
					Bottom	3.9	0.2	311	18.9	19.0	8.1	8.1	30.0	30.0	97.4	97.5	7.6	7.6	7.9		2		-		-		-	-	-		
	3.9	0.2	315	19.0		8.1		30.0		97.5		7.6		8.0		2		-		-		-	-	-							
SR6	Foggy	Moderate	13:58	4.8	Surface	1.0	0.1	222	18.9	18.9	8.1	8.1	30.1	30.1	95.7	95.7	7.4		2.9		2		-		-	817919	814674	-	-	-	-
						1.0	0.1	227	18.9		8.1		30.2		95.6		7.4	7.4	2.9		3		-		-		-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.4	-	-	2	-	-	-	-	-	-	
						-	-	-	-		-		-		-		-	-		-	-	-	-	-	-	-	-	-			
					Bottom	3.8	0.1	229	18.9	18.9	8.1	8.1	30.7	30.7	92.8	92.8	7.2	7.2	2.7		<2		-		-		-	-	-		
					3.8	0.1	243	18.9		8.1		30.8		92.7		7.2		2.8		<2		-		-	-						
SR7	Foggy	Moderate	14:03	15.6	Surface	1.0	0.1	222	19.2	19.2	8.2	8.2	30.5	30.5	93.1	92.8	7.2		6.0		3		-		-	823647	823763	-	-	-	-
						1.0	0.1	222	19.2		8.2		30.6		92.4		7.1	7.1	6.2		3		-		-		-	-	-		
					Middle	7.8	0.2	264	19.2	19.2	8.1	8.1	31.0	31.0	91.3	91.3	7.0		6.8		3	3	-		-		-	-	-		
						7.8	0.2	264	19.2		8.1		31.0		91.3		7.0		6.9		3		-		-		-	-	-		
					Bottom	14.6	0.3	243	19.2	19.2	8.2	8.2	31.1	31.0	92.4	92.5	7.1	7.1	6.9		3		-		-		-	-	-		
					14.6	0.3	245	19.2		8.2		31.0		92.6		7.1		6.9		4		-		-	-						
SR8	Foggy	Moderate	12:51	5.2	Surface	1.0	-	-	19.4	19.4	8.2	8.2	28.6	28.6	99.6	99.6	7.7		6.7		2		-		-	820370	811628				

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Cloudy	Rough	08:58	7.8	Surface	1.0	0.5	217	17.9	17.9	8.2	8.2	31.2	31.2	98.4	98.4	7.7	7.7	6.1	6	84		84		86		815635	804239	<0.2	1.5					
						1.0	0.5	228	17.9		8.2	8.2	31.2		98.4		7.7	7.7	6.3	6	85		85		86		86		86		<0.2	1.2			
						3.9	0.3	206	18.1	18.1	8.2	8.2	31.8	31.8	98.6	98.6	7.7	7.7	10.9	4	87		87		88		88		88		<0.2	1.2			
					Middle	3.9	0.3	214	18.1		8.2	8.2	31.9		98.6		7.7	7.7	11.5	4	86		86		87		87		87		<0.2	1.1			
						Bottom	6.8	0.2	211	18.1	18.1	8.2	8.2	31.9	31.9	98.7	98.7	7.7	7.7	17.0	4	88		88		89		89		89		<0.2	1.2		
							6.8	0.2	231	18.1		8.2	8.2	31.9		98.7		7.7	7.7	16.9	4	88		88		89		89		89		<0.2	1.2		
C2	Fine	Moderate	10:02	11.3	Surface	1.0	0.6	166	18.4	18.4	8.1	8.1	30.4	30.4	97.1	97.2	7.6	7.6	4.0	6	85		85		86		86		86		<0.2	1.1			
						1.0	0.6	171	18.4		8.1	8.1	30.4		97.2		7.6	7.6	4.5	7	84		84		85		85		85		<0.2	1.0			
						5.7	0.2	173	18.2	18.2	8.1	8.1	30.7	30.7	97.3	97.3	7.6	7.6	8.2	5	87		87		88		88		88		<0.2	1.1			
					Middle	5.7	0.2	173	18.2		8.1	8.1	30.7		97.3		7.6	7.6	8.1	5	86		86		87		87		87		<0.2	1.0			
						Bottom	10.3	0.1	310	18.2	18.2	8.1	8.1	30.8	30.8	96.6	96.6	7.6	7.6	7.1	4	88		88		89		89		89		<0.2	1.0		
							10.3	0.1	316	18.2		8.1	8.1	30.7		96.5		7.6	7.6	7.0	3	88		88		89		89		89		<0.2	1.0		
C3	Cloudy	Moderate	08:12	8.2	Surface	1.0	0.2	72	18.3	18.3	8.1	8.1	30.1	30.1	95.6	95.6	7.5	7.5	5.3	3	83		83		84		84		84		<0.2	1.0			
						1.0	0.2	77	18.3		8.1	8.1	30.1		95.6		7.5	7.5	5.3	3	84		84		85		85		85		<0.2	1.0			
						4.1	0.1	80	18.3	18.3	8.1	8.1	30.1	30.1	95.9	95.9	7.5	7.5	6.0	3	84		84		85		85		85		<0.2	1.0			
					Middle	4.1	0.1	81	18.3		8.1	8.1	30.1		95.9		7.5	7.5	6.1	3	85		85		86		86		86		<0.2	1.0			
						Bottom	7.2	0.1	88	18.3	18.3	8.1	8.1	30.0	30.0	96.3	96.4	7.6	7.6	6.4	<2	86		86		87		87		87		<0.2	1.0		
							7.2	0.1	96	18.3		8.1	8.1	30.0		96.4		7.6	7.6	6.5	3	87		87		88		88		88		<0.2	1.0		
IM1	Cloudy	Moderate	09:16	5.3	Surface	1.0	0.2	144	18.1	18.1	8.2	8.2	31.2	31.2	100.4	100.6	7.9	7.9	6.6	5	85		85		86		86		86		<0.2	1.1			
						1.0	0.2	148	18.1		8.2	8.2	31.2		100.8		7.9	7.9	6.6	5	85		85		86		86		86		<0.2	1.2			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						Bottom	4.3	0.2	200	18.1	18.1	8.2	8.2	31.3	31.3	103.0	103.2	8.1	8.1	9.7	5	87		87		88		88		88		<0.2	1.1		
							4.3	0.2	215	18.1		8.2	8.2	31.3		103.4		8.1	8.1	9.6	6	87		87		88		88		88		<0.2	1.2		
IM2	Cloudy	Moderate	09:22	7.0	Surface	1.0	0.1	151	18.0	18.0	8.2	8.2	30.9	30.9	98.8	98.9	7.8	7.8	5.5	4	85		85		86		86		86		<0.2	1.2			
						1.0	0.1	162	18.0		8.2	8.2	31.0		98.9		7.8	7.8	5.5	4	85		85		86		86		86		<0.2	1.2			
						3.5	0.1	138	18.0	18.1	8.2	8.2	31.4	31.5	99.1	99.2	7.8	7.8	6.6	5	87		87		88		88		88		<0.2	1.3			
					Middle	3.5	0.1	140	18.1		8.2	8.2	31.5		99.2		7.8	7.8	6.7	6	87		87		88		88		88		<0.2	1.2			
						Bottom	6.0	0.2	184	18.1	18.1	8.2	8.2	31.7	31.7	100.7	101.0	7.9	7.9	8.0	6	89		89		90		90		90		<0.2	1.2		
							6.0	0.2	192	18.1		8.2	8.2	31.7		101.2		7.9	7.9	7.7	5	89		89		90		90		90		<0.2	1.2		
IM3	Fine	Moderate	09:29	7.2	Surface	1.0	0.2	189	18.1	18.1	8.2	8.2	31.0	31.0	98.8	98.8	7.8	7.8	8.0	12	85		85		86		86		86		<0.2	1.2			
						1.0	0.2	196	18.1		8.2	8.2	31.0		98.8		7.8	7.8	7.7	11	86		86		87		87		87		<0.2	1.2			
						3.6	0.1	202	18.0	18.0	8.2	8.2	31.2	31.2	98.8	98.9	7.8	7.8	6.2	12	87		87		88		88		88		<0.2	1.2			
					Middle	3.6	0.1	206	18.0		8.2	8.2	31.2		98.9		7.8	7.8	6.3	10	87		87		88		88		88		<0.2	1.2			
						Bottom	6.2	0.2	227	18.0	18.0	8.2	8.2	31.6	31.6	99.4	99.5	7.8	7.8	6.9	10	88		88		89		89		89		<0.2	1.2		
							6.2	0.2	248	18.0		8.2	8.2	31.6		99.5		7.8	7.8	7.0	11	89		89		90		90		90		<0.2	1.2		
IM4	Fine	Moderate	09:39	7.4	Surface	1.0	0.1	208	17.8	17.8	8.2	8.2	31.3	31.3	99.6	99.6	7.8	7.8	6.0	7	85		85		86		86		86		<0.2	1.2			
						1.0	0.1	209	17.8		8.2	8.2	31.3		99.5		7.8	7.8	6.1	6	86		86		87		87		87		<0.2	1.2			
						3.7	0.2	184	17.8	17.8	8.2	8.2	31.4	31.4	99.5	99.6	7.8	7.8	7.0	6	87		87		88		88		88		<0.2	1.3			
					Middle	3.7	0.2	192	17.8		8.2	8.2	31.4		99.6		7.8	7.8	7.0	7	88		88		89		89		89		<0.2	1.2			
						Bottom	6.4	0.1	196	17.8	17.8	8.2	8.2	31.4	31.4	100.1	100.2	7.9	7.9	8.1	6	89		89		90		90		90		<0.2	1.2		
							6.4	0.1	211	17.8		8.2	8.2	31.4		100.2		7.9	7.9	9.0	6	89		89		90		90		90		<0.2	1.2		
IM5	Fine	Moderate	09:49	6.7	Surface	1.0	0.3	183	18.0	18.0	8.2	8.2	30.8	30.8	99.2	99.2	7.8	7.8	5.2	5	85		85		86		86		86		<0.2	1.3			
						1.0	0.3	197	18.0		8.2	8.2	30.8		99.2		7.8	7.8	5.2	5	86		86		87		87		87		<0.2	1.2			
						3.4	0.2	193	18.0	18.0	8.2	8.2	31.2	31.2	99.2	99.2	7.8	7.8	6.1	4	88		88		89		89		89		<0.2	1.1			
					Middle	3.4	0.3	200	18.0		8.2	8.2	31.2		99.2		7.8	7.8	6.1	4	88		88		89		89		89		<0.2	1.2			
						Bottom	5.7	0.2	191	17.9	17.9	8.2	8.2	31.2	31.2	100.5	100.5	7.9	7.9	6.6	6	90		90		91		91		91		<0.2	1.2		
							5.7	0.2	201	17.9		8.2	8.2	31.2		100.6		7.9	7.9	6.7	5	89		89		90		90		90		<0.2	1.1		
IM6	Fine	Moderate	09:57	7.1	Surface	1.0	0.3	234	18.1	18.1	8.2	8.2	30.7	30.7	98.6	98.6	7.8	7.8	4.9	4	85		85		86		86		86		<0.2	1.1			
						1.0	0.3	255	18.1		8.2	8.2	30.7		98.7		7.8	7.8	5.1	4	84		84		85		85		85		<0.2	1.2			
						3.6	0.3	232	18.1	18.1	8.1	8.1	30.9	30.9	98.6	98.6	7.8	7.8	5.7	4	88		88		89		89		89		<0.2	1.2			
					Middle	3.6	0.3	248	18.1	18.1	8.1	8.1	30.9	30.9	98.6	98.6	7.8	7.8	5.9	4	87		87		88		88		88		<0.2	1.1			
						Bottom	6.1	0.2	227	18.0	18.0	8.1	8.1	31.0	31.0	98.9	98.9	7.8	7.8	7.7	4	89		89		90		90		90		<0.2	1.3		
							6.1	0.2	246	18.0		8.1	8.1	31.0		98.9		7.8	7.8	7.7	4	89		89		90		90		90		<0.2	1.1		
IM7	Fine	Moderate	10:06	7.9	Surface	1.0	0.2	214	18.4	18.4	8.1	8.1	30.4	30.4	96.7	96.7	7.6	7.6	3.7	3	86		86		87		87		87		<0.2	1.2			
						1.0	0.2	217	18.4		8.1	8.1	30.4		96.7		7.6	7.6	3.6	3	86		86		87		87		87		<0.2	1.2			
						4.0	0.1	199	18.2	18.2	8.1	8.1	30.7	30.7	97.6	97.6	7.7	7.7	8.3	5	89		89		90		90		90		<0.2	1.2			
					Middle	4.0	0.1	206	18.2		8.1	8.1	30.7		97.6		7.7	7.7	8.2	4	88		88		89		89		89		<0.2	1.2			

Water Quality Monitoring

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
C1	Sunny	Rough	14:29	8.1	Surface	1.0	0.1	22	18.1	18.1	8.2	8.2	31.3	31.3	98.8	98.8	7.7		5.4		7		83		85	815610	804229	<0.2	1.5				
						1.0	0.1	24	18.1		8.2		31.3		98.7		7.7	7.7	5.5		7		84		86		85		<0.2	1.6			
					Middle	4.1	0.1	35	18.1	18.1	8.2	8.2	31.5	31.5	98.5	98.5	7.7		5.9		5		5		86		87	85	<0.2	1.5			
						4.1	0.1	36	18.1		8.2		31.5		98.4		7.7		5.9		4		4		85		87		86		<0.2	1.5	
					Bottom	7.1	0.1	355	18.1	18.1	8.1	8.1	31.9	31.9	98.5	98.6	7.7	7.7	9.1		4		3		87		88		89		<0.2	1.6	
C2	Fine	Moderate	13:27	11.1	Surface	1.0	0.2	200	18.4	18.4	8.1	8.1	30.4	30.4	96.6	96.7	7.6		3.7		3		85		85	825675	806926	<0.2	1.1				
						1.0	0.2	205	18.4		8.1		30.4		96.7		7.6	7.6	3.7		4		4		85		86		<0.2	1.0			
					Middle	5.6	0.1	30	18.2	18.2	8.1	8.1	30.6	30.6	97.3	97.3	7.6		5.5		4		4		86		87	84	<0.2	1.2			
						5.6	0.1	37	18.2		8.1		30.6		97.3		7.6	7.6	5.4		4		5		87		88		89		<0.2	1.0	
					Bottom	10.1	0.3	331	18.1	18.1	8.1	8.1	30.8	30.8	96.7	96.6	7.6	7.6	5.2		5		6		89		90		91		<0.2	1.1	
C3	Cloudy	Moderate	15:40	9.2	Surface	1.0	0.3	244	18.5	18.5	8.1	8.1	30.1	30.1	96.2	96.2	7.5		5.1		4		83		83	822090	817784	<0.2	0.9				
						1.0	0.3	248	18.5		8.1		30.1		96.2		7.5	7.5	4.9		3		5		83		85		<0.2	1.0			
					Middle	4.6	0.4	250	18.5	18.5	8.1	8.1	30.1	30.1	96.2	96.2	7.5		6.6		5		5		85		86	84	<0.2	0.9			
						4.6	0.4	272	18.5		8.1		30.1		96.2		7.5	7.5	6.8		5		5		85		86		87		<0.2	0.9	
					Bottom	8.2	0.3	266	18.5	18.5	8.1	8.1	30.1	30.1	96.3	96.3	7.5	7.5	8.5		6		6		86		87		88		<0.2	1.0	
IM1	Sunny	Moderate	14:14	5.5	Surface	1.0	0.1	23	18.3	18.3	8.1	8.1	31.2	31.2	98.0	98.0	7.7		5.1		5		85		85	817966	807130	<0.2	1.5				
						1.0	0.1	23	18.3		8.1		31.2		98.0		7.7	7.7	5.1		5		5		84		86		<0.2	1.4			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-
						4.5	0.1	23	18.2	-	8.1	8.1	31.6	31.6	97.3	97.3	7.6	7.6	7.1		4		4		87		87		88		<0.2	1.4	
					Bottom	4.5	0.1	24	18.2	18.2	8.1	8.1	31.6	31.6	97.3	97.3	7.6	7.6	6.7		4		4		87		88		89		<0.2	1.5	
IM2	Sunny	Moderate	14:07	7.2	Surface	1.0	0.1	146	18.2	18.2	8.1	8.1	30.9	30.9	97.8	97.8	7.7		5.2		8		84		84	818164	806158	<0.2	1.4				
						1.0	0.1	160	18.2		8.1		30.9		97.8		7.7	7.7	5.2		8		6		85		86		<0.2	1.4			
					Middle	3.6	0.1	49	18.1	18.1	8.1	8.1	31.1	31.1	97.4	97.4	7.6		5.2		5		5		86		87	86	<0.2	1.4			
						3.6	0.1	53	18.1		8.1		31.2		97.4		7.6	7.6	5.3		5		5		86		87		88		<0.2	1.4	
					Bottom	6.2	0.2	40	18.2	18.2	8.2	8.2	31.7	31.7	97.4	97.5	7.6	7.6	6.7		5		4		88		88		89		<0.2	1.4	
IM3	Sunny	Moderate	13:59	7.4	Surface	1.0	0.0	137	18.2	18.2	8.1	8.1	31.1	31.1	98.2	98.2	7.7		6.5		6		84		84	818802	805600	<0.2	1.4				
						1.0	0.0	148	18.2		8.1		31.1		98.2		7.7	7.7	6.4		5		5		83		85		<0.2	1.4			
					Middle	3.7	0.0	63	18.1	18.1	8.1	8.1	31.2	31.2	98.1	98.1	7.7		5.9		5		5		86		86	84	<0.2	1.5			
						3.7	0.0	71	18.1		8.1		31.2		98.1		7.7	7.7	5.9		4		5		85		87		88		<0.2	1.5	
					Bottom	6.4	0.1	67	18.1	18.1	8.2	8.2	31.3	31.3	98.5	98.6	7.7	7.7	7.8		5		4		87		88		89		<0.2	1.4	
IM4	Sunny	Rough	13:50	7.5	Surface	1.0	0.3	179	18.1	18.1	8.2	8.2	31.0	31.0	98.8	98.8	7.8		5.6		4		84		84	819747	804592	<0.2	1.5				
						1.0	0.3	189	18.1		8.2		31.0		98.8		7.8	7.8	5.6		4		5		84		86		<0.2	1.4			
					Middle	3.8	0.2	72	18.0	18.0	8.2	8.2	31.2	31.2	98.4	98.4	7.7		7.0		5		5		86		87	86	<0.2	1.4			
						3.8	0.2	76	18.0		8.2		31.2		98.4		7.7	7.7	7.0		4		5		86		87		88		<0.2	1.4	
					Bottom	6.5	0.2	61	18.0	18.0	8.2	8.2	31.2	31.2	98.4	98.5	7.7	7.7	7.4		5		5		88		88		89		<0.2	1.4	
IM5	Sunny	Moderate	13:42	6.9	Surface	1.0	0.3	185	18.1	18.1	8.2	8.2	30.7	30.7	99.1	99.1	7.8		5.1		5		84		84	820736	804847	<0.2	1.5				
						1.0	0.3	202	18.1		8.2		30.7		99.1		7.8	7.8	5.2		5		5		85		86		<0.2	1.4			
					Middle	3.5	0.2	55	18.0	18.0	8.1	8.1	30.9	30.9	99.1	99.1	7.8		5.8		6		5		86		86	84	<0.2	1.4			
						3.5	0.3	58	18.0		8.1		30.9		99.1		7.8	7.8	5.8		5		5		86		87		88		<0.2	1.4	
					Bottom	5.9	0.1	82	17.9	17.9	8.1	8.1	31.2	31.2	99.9	100.0	7.9	7.9	6.5		4		4		88		88		89		<0.2	1.4	
IM6	Sunny	Moderate	13:34	6.8	Surface	1.0	0.3	228	18.2	18.2	8.1	8.1	30.6	30.6	98.6	98.6	7.7		4.9		4		84		84	821075	805833	<0.2	1.6				
						1.0	0.3	235	18.2		8.1		30.6		98.6		7.7	7.7	4.9		4		4		84		86		<0.2	1.4			
					Middle	3.4	0.3	69	18.2	18.2	8.1	8.1	30.7	30.7	99.1	99.1	7.8		5.1		5		4		87		87	86	<0.2	1.5			
						3.4	0.3	70	18.2		8.1		30.7		99.1		7.8	7.8	5.1		4		4		86		87		88		<0.2	1.4	
					Bottom	5.8	0.2	77	18.0	18.0	8.1	8.1	31.1	31.1	99.9	100.0	7.9	7.9	6.2		4		5		89		89		90		<0.2	1.5	
IM7	Sunny	Moderate	13:26	8.0	Surface	1.0	0.2	204	18.4	18.4	8.1	8.1	30.4	30.4	96.9	96.9	7.6		3.7		3		86		85	821349	806844	<0.2	1.4				
						1.0	0.2	206	18.4		8.1		30.4		96.9		7.6	7.7	3.8		3		3		85		86		<0.2	1.6			
					Middle	4.0	0.2	42	18.3	18.3	8.1	8.1	30.6	30.6	97.6	97.6	7.7		7.0		3		3		88		88	84	<0.2	1.4			
						4.0	0.2	42	18.3		8.1		30.6		97.6		7.7	7.7	7.1		4		4		88		89		90		<0.2	1.5	
					Bottom	7.0	0.1	42	18.0	18.0	8.1	8.1	31.1	31.1	97.7	97.7	7.7	7.7	5.3		3		4		89		89		90		<0.2	1.5	
IM8	Fine	Moderate	14:01	7.1	Surface	1.0	0.2	231	18.2	18.2	8.1	8.1	30.6	30.6	98.9	98.9	7.8		4.7		3		84		84	821844	808116	<0.2	1.0				
						1.0	0.2	251	18.2		8.1		30.6		98.9		7.8	7.8	4.8		3		3		85		86		<0.2	1.0			
					Middle	3.6	0.2	277	18.1	18.1	8.1	8.1	30.9	30.9	98.7	98.7	7.8		5.6		3		3		86		86	84	<0.2	1.0			
						3.6	0.2	278	18.0		8.1		30.9		98.6		7.8	7.8	5.7		3		3		86		87		88		<0.2	1.0	
					Bottom	6.1	0.2	286	18.0	18.0	8.1	8.1	31.1	31.1	98.4	98.4	7.7	7.7	6.2		3		3		88		88		89		<0.2	1.1	
6.1	0.2	303	18.0		8.1		31.1		98.4		7.7	7.7	6.1		3		3		88		88		89		<0.2	1.0							

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 January 19 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
IM9	Fine	Moderate	14:10	6.6	Surface	1.0	0.2	262	18.1	18.1	8.1	8.1	31.0	31.0	99.0	99.0	7.8	7.8	6.0	6.0	3	3	84	84	822098	808803	<0.2	1.0			
						1.0	0.3	275	18.1	18.1	8.1	8.1	31.0	31.0	98.9	98.9	7.8	7.8	6.0	6.0	3	3	84	84							
					Middle	3.3	0.2	271	18.0	18.0	8.1	8.1	31.1	31.1	98.6	98.6	7.7	7.7	6.6	6.6	5	5	86	86							
						3.3	0.3	293	18.0	18.0	8.1	8.1	31.2	31.2	98.5	98.6	7.7	7.7	6.7	6.7	6	6	86	86							
					Bottom	5.6	0.2	285	18.0	18.0	8.1	8.1	31.3	31.2	98.4	98.4	7.7	7.7	7.2	7.2	5	5	87	87							
						5.6	0.2	309	18.0	18.0	8.1	8.1	31.2	31.2	98.4	98.4	7.7	7.7	7.0	7.0	4	4	88	88							
IM10	Fine	Moderate	14:20	6.9	Surface	1.0	0.4	282	18.2	18.2	8.1	8.1	31.1	31.1	98.2	98.2	7.7	7.7	6.3	6.3	3	3	84	84	822398	809771	<0.2	1.1			
						1.0	0.4	304	18.2	18.2	8.1	8.1	31.1	31.1	98.2	98.2	7.7	7.7	6.3	6.3	3	3	84	84							
					Middle	3.5	0.4	309	18.1	18.1	8.1	8.1	31.1	31.1	98.0	98.0	7.7	7.7	6.5	6.5	2	2	85	85							
						3.5	0.4	313	18.1	18.1	8.1	8.1	31.1	31.1	98.0	98.0	7.7	7.7	6.4	6.4	3	3	86	86							
					Bottom	5.9	0.3	299	18.1	18.1	8.1	8.1	31.3	31.3	97.9	97.9	7.7	7.7	6.2	6.2	3	3	88	88							
						5.9	0.3	314	18.1	18.1	8.1	8.1	31.3	31.3	97.9	97.9	7.7	7.7	6.2	6.2	3	3	87	87							
IM11	Fine	Moderate	14:33	7.4	Surface	1.0	0.4	287	18.2	18.2	8.1	8.1	30.9	30.9	97.9	97.9	7.7	7.7	5.3	5.3	2	2	84	83	822055	811481	<0.2	1.1			
						1.0	0.4	291	18.2	18.2	8.1	8.1	30.9	30.9	97.9	97.9	7.7	7.7	5.3	5.3	2	2	83	83							
					Middle	3.7	0.3	292	18.1	18.1	8.1	8.1	31.1	31.1	97.5	97.5	7.6	7.6	5.5	5.5	<2	<2	85	85							
						3.7	0.3	306	18.1	18.1	8.1	8.1	31.2	31.2	97.5	97.5	7.6	7.6	5.7	5.7	3	3	86	86							
					Bottom	6.4	0.4	291	18.1	18.1	8.1	8.1	31.6	31.6	97.5	97.5	7.6	7.6	6.0	6.0	2	2	87	87							
						6.4	0.5	306	18.1	18.1	8.1	8.1	31.6	31.6	97.5	97.5	7.6	7.6	6.0	6.0	3	3	88	88							
IM12	Fine	Moderate	14:41	8.1	Surface	1.0	0.4	267	18.3	18.3	8.1	8.1	31.2	31.2	97.9	97.9	7.7	7.7	5.4	5.3	4	5	83	84	821470	812048	<0.2	1.1			
						1.0	0.4	281	18.3	18.3	8.1	8.1	31.2	31.2	97.9	97.9	7.6	7.6	5.3	6.1	5	5	84	85							
					Middle	4.1	0.4	277	18.3	18.3	8.1	8.1	31.3	31.3	97.5	97.5	7.6	7.6	5.9	5.9	5	5	85	85							
						4.1	0.4	289	18.2	18.3	8.1	8.1	31.3	31.3	97.4	97.4	7.6	7.6	5.9	5.9	5	5	85	85							
					Bottom	7.1	0.4	283	18.2	18.2	8.1	8.1	31.6	31.6	97.2	97.2	7.6	7.6	7.1	7.1	5	5	87	87							
						7.1	0.4	307	18.2	18.2	8.1	8.1	31.6	31.6	97.2	97.2	7.6	7.6	7.0	7.0	6	6	87	87							
SR1A	Fine	Moderate	15:06	4.5	Surface	1.0	-	-	18.1	18.1	8.1	8.1	31.3	31.3	98.8	98.8	7.7	7.7	5.4	5.5	5	4	-	-	819973	812653	-	-			
						1.0	-	-	18.1	18.1	8.1	8.1	31.3	31.3	98.7	98.7	7.7	7.7	5.5	5.4	4	-	-	-							
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5					-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	3.5	-	-	18.1	18.1	8.1	8.1	31.9	31.9	98.5	98.6	7.7	7.7	6.1	6.2	6	5	-	-					-	-	
						3.5	-	-	18.1	18.1	8.1	8.1	31.9	31.9	98.7	98.7	7.7	7.7	6.2	5.5	5	-	-	-					-		
SR2	Fine	Moderate	15:18	4.2	Surface	1.0	0.3	342	18.3	18.3	8.1	8.1	30.6	30.7	97.1	97.1	7.6	7.6	5.7	5.7	6	5	84	84	821472	814180	<0.2	1.0			
						1.0	0.3	359	18.3	18.3	8.1	8.1	30.7	30.7	97.0	97.0	7.6	7.6	5.7	5.7	5	5	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	3.2	0.3	349	18.2	18.2	8.1	8.1	30.9	30.9	96.4	96.4	7.6	7.6	5.8	5.7	6	6	86	86							
						3.2	0.3	359	18.2	18.2	8.1	8.1	30.8	30.8	96.4	96.4	7.6	7.6	5.7	5.7	6	6	86	86							
SR3	Fine	Moderate	13:53	8.2	Surface	1.0	0.3	177	18.2	18.2	8.1	8.1	30.6	30.6	98.3	98.3	7.7	7.7	4.8	4.9	6	5	-	-	822160	807549	-	-			
						1.0	0.3	190	18.2	18.2	8.1	8.1	30.6	30.6	98.3	98.3	7.7	7.7	4.9	5.8	5	6	-	-							
					Middle	4.1	0.2	180	18.1	18.1	8.1	8.1	30.8	30.8	98.3	98.3	7.7	7.7	5.8	5.8	6	6	-	-							
						4.1	0.2	180	18.1	18.1	8.1	8.1	30.8	30.8	98.3	98.3	7.7	7.7	5.8	5.8	6	6	-	-							
					Bottom	7.2	0.1	192	18.0	18.0	8.1	8.1	31.0	31.0	97.8	97.8	7.7	7.7	6.3	6.2	6	7	-	-							
						7.2	0.1	209	18.0	18.0	8.1	8.1	31.0	31.0	97.8	97.8	7.7	7.7	6.2	6.2	7	-	-	-							
SR4A	Sunny	Calm	14:45	9.3	Surface	1.0	0.1	239	18.5	18.5	8.1	8.1	30.3	30.3	97.3	97.4	7.6	7.6	5.4	5.5	6	6	-	-	817212	807807	-	-			
						1.0	0.1	243	18.5	18.5	8.1	8.1	30.3	30.3	97.4	97.4	7.6	7.6	5.5	5.7	4	2	-	-							
					Middle	4.7	0.0	260	18.2	18.2	8.1	8.1	31.2	31.2	96.4	96.4	7.6	7.5	5.7	5.7	4	2	-	-							
						4.7	0.0	285	18.2	18.2	8.1	8.1	31.2	31.2	96.4	96.4	7.5	7.5	5.7	7.3	4	4	-	-							
					Bottom	8.3	0.1	226	18.3	18.3	8.1	8.1	31.5	31.5	96.5	96.5	7.5	7.5	7.3	7.4	4	4	-	-							
						8.3	0.1	248	18.3	18.3	8.1	8.1	31.5	31.5	96.5	96.5	7.5	7.5	7.4	7.4	4	-	-	-							
SR5A	Sunny	Calm	15:03	4.1	Surface	1.0	0.2	289	18.6	18.6	8.1	8.1	30.1	30.1	96.8	96.8	7.6	7.6	7.2	7.7	4	4	-	-	816598	810695	-	-			
						1.0	0.2	296	18.6	18.6	8.1	8.1	30.1	30.1	96.8	96.8	7.6	7.6	7.7	7.7	4	4	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	3.1	0.1	296	18.5	18.5	8.1	8.1	30.1	30.1	97.2	97.2	7.6	7.6	8.4	8.4	3	3	-	-							
						3.1	0.1	309	18.5	18.5	8.2	8.1	30.1	30.1	97.2	97.2	7.6	7.6	8.4	7.3	3	5	-	-							
SR6	Sunny	Calm	15:32	4.8	Surface	1.0	0.2	250	18.5	18.5	8.1	8.1	30.1	30.1	96.2	96.2	7.5	7.5	5.5	5.9	6	6	-	-	817915	814641	-	-			
						1.0	0.2	270	18.5	18.5	8.1	8.1	30.1	30.1	96.1	96.1	7.5	7.5	5.9	5.9	6	6	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6					-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	3.8	0.2	254	18.5	18.5	8.2	8.2	30.2	30.2	96.5	96.6	7.6	7.6	7.4	7.3	5	5	-	-							
						3.8	0.2	257	18.5	18.5	8.2	8.2	30.2	30.2	96.7	96.7	7.6	7.6	7.3	7.3	5	5	-	-							
SR7	Cloudy	Moderate	16:11	15.1	Surface	1.0	0.1	229	18.6	18.6	8.1	8.1	30.0	30.0	96.3	96.3	7.5	7.5	4.7	4.7	<2	<2	-	-	823653	823726	-	-			
						1.0	0.1	229	18.6	18.6	8.1	8.1	30.0	30.0	96.2	96.2	7.5	7.5	4.7	5.0	2	2	-	-							
					Middle	7.6	0.2	270	18.5	18.5	8.1	8.1	30.1	30.1	95.7	95.7	7.5	7.5	5.2	5.2	2	2	-	-							
						7.6	0.2	260	18.5	18.5	8.1	8.1	30.1	30.1	95.6	95.6	7.5	7.5	5.2	5.2	2	2	-	-							
					Bottom	14.1	0.3	249	18.5	18.5	8.1	8.1	30.2	30.2	95.6	95.6	7.5	7.5	7.1	7.1	2	3	-	-							
						14.1	0.3	252	18.5	18.5	8.1	8.1	30.2	30.2	95.6	95.6	7.5	7.5	7.1	7.1	3	-	-	-							
SR8	Fine	Moderate	14:53	4.8	Surface	1.0	-	-	18.2	18.2	8.1	8.1	31.1	31.1	98.7	98.7	7.7	7.7	4.9	5.0	<2	3	-	-	820402	811621	-	-			
						1.0	-	-	18.2	18.2	8.1	8.1	31.1	31.1	98.6	98.6	7.7	7.7	5.0	5.0	3	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3					-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-	-	
					Bottom	3.8	-	-	18.1	18.1	8.1	8.1	31.8	31.7	98.5	98.6	7.7	7.													

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	10:15	8.3	Surface	1.0	0.5	210	18.7	18.7	8.2	8.2	31.6	31.6	97.8	97.8	7.6	7.6	4.2		2		85		87	815602	804243	<0.2	1.2							
						1.0	0.5	223	18.7		8.2		31.6		97.8		7.6	7.6	4.2		3		85													
					Middle	4.2	0.3	207	18.7	18.7	8.2	8.2	31.6	31.6	98.0	98.1	7.6	7.6	4.0	5.2	<2	2	88													
						4.2	0.3	224	18.7		8.2		31.6		98.1		7.6	7.6	4.0		<2		87													
					Bottom	7.3	0.3	218	18.9	18.9	8.2	8.2	31.3	31.3	97.1	97.1	7.5	7.5	7.5		2		88													
						7.3	0.3	237	18.8		8.2		31.3		97.1		7.5	7.5	7.5		3		88													
C2	Cloudy	Moderate	09:50	11.6	Surface	1.0	0.2	198	18.8	18.8	8.1	8.1	31.3	31.3	98.2	98.3	7.6	7.6	5.3		5		83		86	825694	806952	<0.2	1.0							
						1.0	0.2	202	18.8		8.1		31.3		98.4		7.6	7.6	5.3		5		85													
					Middle	5.8	0.2	144	18.5	18.5	8.1	8.1	31.5	31.5	98.8	98.8	7.7	7.7	5.6	7.7	4	4	87													
						5.8	0.2	155	18.5		8.1		31.5		98.8		7.7	7.7	5.5		4		86													
					Bottom	10.6	0.1	92	18.4	18.4	8.1	8.1	31.6	31.6	98.9	98.9	7.7	7.7	12.2		3		88													
						10.6	0.1	96	18.4	18.4	8.1	8.1	31.6	31.6	98.9	98.9	7.7	7.7	12.2		3		88													
C3	Cloudy	Moderate	11:55	11.6	Surface	1.0	0.2	84	19.1	19.0	8.1	8.1	31.7	31.7	93.8	93.8	7.2	7.2	3.7		3		86		88	822129	817814	<0.2	0.9							
						1.0	0.2	85	18.9		8.1		31.7		93.8		7.2	7.2	3.7		3		86													
					Middle	5.8	0.2	92	18.9	18.9	8.1	8.1	31.8	31.8	92.0	92.0	7.1	7.1	12.1	9.2	3	4	88													
						5.8	0.2	98	18.9		8.1		31.8		91.9		7.1	7.1	12.9		3		88													
					Bottom	10.6	0.1	81	18.9	18.9	8.1	8.1	31.8	31.8	91.7	91.7	7.1	7.1	11.1		4		89													
						10.6	0.1	82	18.9		8.1		31.8		91.7		7.1	7.1	11.8		5		89													
IM1	Cloudy	Moderate	10:48	5.6	Surface	1.0	0.2	151	18.8	18.8	8.2	8.2	31.3	31.3	97.5	97.6	7.5	7.5	7.9		5		85		87	817927	807115	<0.2	1.3							
						1.0	0.2	164	18.8		8.2		31.3		97.6		7.5	7.5	8.1		4		86													
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	3	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					Bottom	4.6	0.3	205	18.9	19.0	8.2	8.2	31.3	31.3	98.9	99.1	7.6	7.7	8.4		<2		89													
						4.6	0.3	224	19.0		8.2		31.2		99.3		7.7	7.7	8.6		<2		89													
IM2	Cloudy	Moderate	10:39	7.4	Surface	1.0	0.1	160	18.6	18.6	8.2	8.2	31.6	31.6	97.2	97.2	7.5	7.5	5.5		4		85		87	818147	806151	<0.2	1.1							
						1.0	0.1	163	18.6		8.2		31.6		97.2		7.5	7.5	5.7		4		86													
					Middle	3.7	0.1	133	18.5	18.5	8.2	8.2	31.6	31.6	97.0	97.1	7.5	7.5	8.0	6.9	4	4	87													
						3.7	0.1	133	18.5		8.2		31.6		97.1		7.5	7.5	7.8		4		87													
					Bottom	6.4	0.2	180	18.6	18.6	8.2	8.2	31.6	31.6	97.2	97.3	7.5	7.5	7.4		3		88													
						6.4	0.2	183	18.6		8.2		31.6		97.3		7.5	7.5	6.9		4		89													
IM3	Cloudy	Moderate	10:28	7.2	Surface	1.0	0.2	185	18.6	18.6	8.2	8.2	31.6	31.6	97.9	98.0	7.6	7.6	6.1		4		85		87	818806	805604	<0.2	1.1							
						1.0	0.2	192	18.6		8.2		31.6		98.0		7.6	7.6	6.2		3		85													
					Middle	3.6	0.1	201	18.5	18.5	8.2	8.2	31.7	31.7	98.3	98.3	7.6	7.6	8.3	9.5	<2	3	87													
						3.6	0.1	214	18.4		8.2		31.7		98.3		7.6	7.6	8.7		2		86													
					Bottom	6.2	0.2	222	18.4	18.4	8.2	8.2	31.8	31.8	97.7	97.7	7.6	7.6	14.1		3		89													
						6.2	0.2	227	18.4		8.2		31.8		97.6		7.6	7.6	13.7		3		88													
IM4	Cloudy	Moderate	10:21	7.5	Surface	1.0	0.1	202	18.7	18.7	8.2	8.2	31.6	31.6	98.8	98.9	7.7	7.7	5.6		3		87		87	819709	804586	<0.2	1.2							
						1.0	0.1	215	18.6		8.2		31.6		98.9		7.7	7.7	5.7		3		86													
					Middle	3.8	0.2	187	18.5	18.5	8.2	8.2	31.7	31.7	99.2	99.3	7.7	7.7	6.4	7.8	4	4	86													
						3.8	0.2	194	18.4		8.2		31.7		99.3		7.7	7.7	6.5		4		86													
					Bottom	6.5	0.1	190	18.4	18.4	8.2	8.2	31.8	31.8	100.3	100.4	7.8	7.8	11.3		4		88													
						6.5	0.1	192	18.4		8.2		31.8		100.5		7.8	7.8	11.3		4		88													
IM5	Cloudy	Moderate	10:09	7.6	Surface	1.0	0.3	185	18.7	18.7	8.2	8.2	31.5	31.5	97.5	97.5	7.6	7.6	6.7		<2		87		87	820725	804848	<0.2	1.2							
						1.0	0.3	195	18.6		8.2		31.5		97.5		7.6	7.6	7.3		<2		88													
					Middle	3.8	0.2	199	18.5	18.5	8.2	8.2	31.6	31.6	97.6	97.6	7.6	7.6	8.6	9.3	3	3	85													
						3.8	0.2	217	18.5		8.2		31.6		97.6		7.6	7.6	8.8		3		85													
					Bottom	6.6	0.2	182	18.5	18.5	8.2	8.2	31.7	31.7	97.3	97.3	7.6	7.6	11.4		3		88													
						6.6	0.2	197	18.5		8.2		31.6		97.2		7.6	7.6	13.1		3		89													
IM6	Cloudy	Moderate	10:00	7.9	Surface	1.0	0.3	238	18.8	18.8	8.2	8.2	31.2	31.2	97.7	97.7	7.5	7.5	5.4		<2		85		87	821082	805818	<0.2	1.1							
						1.0	0.3	259	18.9		8.2		31.3		97.7		7.6	7.6	5.5		3		85													
					Middle	4.0	0.3	230	18.5	18.5	8.2	8.2	31.6	31.6	97.6	97.6	7.6	7.6	7.3	6.6	<2	3	86													
						4.0	0.3	251	18.5		8.2		31.6		97.6		7.6	7.6	7.3		3		86													
					Bottom	6.9	0.2	224	18.5	18.5	8.2	8.2	31.6	31.6	97.3	97.3	7.6	7.6	7.2		2		89													
						6.9	0.2	227	18.6	18.6	8.2	8.2	31.5	31.5	97.2	97.3	7.5	7.6	7.2		3		89													
IM7	Cloudy	Moderate	09:49	7.8	Surface	1.0	0.2	211	18.6	18.6	8.2	8.2	31.5	31.5	98.1	98.1	7.6	7.6	6.8		3		86		86	821345	806840	<0.2	1.2							
						1.0	0.2	228	18.6		8.2		31.5		98.1		7.6	7.6	7.2		2		85													
					Middle	3.9	0.1	187	18.5	18.5	8.1	8.1	31.7	31.7	97.7	97.7	7.6	7.6	8.6	7.8	3	3	87													
						3.9	0.1	203	18.4		8.1		31.7		97.5		7.6	7.6	8.7		3		85													
					Bottom	6.8	0.1	250	18.6	18.6	8.1	8.1	31.6	31.6	97.0	97.0	7.5	7.5	8.0		2		88													
						6.8	0.1	253	18.6		8.1		31.5		96.9		7.5	7.5	7.7		2		87													
IM8	Cloudy	Moderate	10:33	7.2	Surface	1.0	0.2	127	18.6	18.6	8.1	8.1	31.6	31.6	98.3	98.3	7.6	7.6	6.6		3		85		87	821817	808116	<0.2	0.9							
						1.0	0.2	134	18.6		8.1		31.6		98.3		7.6	7.6	6.7		4		85													
					Middle	3.6	0.1	118	18.5	18.5	8.1	8.1	31.7	31.7	98.5	98.5	7.7	7.7	8.1	8.6	4	4	87													
						3.6	0.1	129	18.5		8.1		31.7		98.5		7.7	7.7	8.5		3		87													
					Bottom	6.2	0.1	78	18.4	18.4	8.1	8.1	31.7	31.7	98.6	98.6	7.7	7.7	10.9		4		88													
						6.2	0.2	84	18.4		8.1		31.8		98.6		7.7	7.7	10.9		3		89													

Water Quality Monitoring Results on

19 January 19 **during Mid-Ebb Tide**

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 January 19 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 (µg/L)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value
C1	Cloudy	Moderate	06:09	8.2	Surface	1.0	0.1	28	18.7	18.7	8.2	8.2	31.0	31.0	96.5	96.5	7.5	3.2		<2		86		87	815631	804237	<0.2	1.3	1.3						
						1.0	0.1	28	18.7		8.2		31.0		96.4		7.5	3.3			<2		85					<0.2		1.3					
					Middle	4.1	0.1	41	18.6	18.6	8.2	8.2	31.2	31.2	96.2	96.2	7.5	3.5		<2		86					<0.2	1.3							
						4.1	0.1	44	18.6		8.2		31.2		96.1		7.5	3.6			<2		87					<0.2		1.4					
					Bottom	7.2	0.1	354	18.6	18.6	8.2	8.2	31.2	31.2	96.1	96.1	7.5	3.5			<2		88					<0.2		1.3					
						7.2	0.1	16	18.6		8.2		31.2		96.1		7.5	3.6			<2		89					<0.2		1.4					
C2	Cloudy	Moderate	07:28	12.1	Surface	1.0	0.5	64	18.8	18.8	8.1	8.1	31.2	31.2	97.9	98.0	7.6	5.2		9		89		89	825689	806924	<0.2	1.0	1.0						
						1.0	0.5	65	18.8		8.1		31.2		98.1		7.6	5.3			8		90					<0.2		1.0					
					Middle	6.1	0.6	63	18.4	18.4	8.1	8.1	31.7	31.7	99.1	99.1	7.7	10.9			8		88					<0.2		1.0					
						6.1	0.6	69	18.4		8.1		31.7		99.1		7.7	10.9			8		88					<0.2		1.0					
					Bottom	11.1	0.5	42	18.4	18.4	8.1	8.1	31.8	31.8	99.3	99.4	7.7	15.5			7		89					<0.2		1.0					
						11.1	0.5	44	18.4		8.1		31.8		99.4		7.7	15.5			6		91					<0.2		1.0					
C3	Cloudy	Moderate	05:31	11.6	Surface	1.0	0.1	211	18.9	18.9	8.1	8.1	32.0	32.0	92.7	92.7	7.1	2.4		3		86		88	822093	817817	<0.2	0.9	1.0						
						1.0	0.1	219	18.9		8.1		32.0		92.7		7.1	2.5			2		87					<0.2		1.0					
					Middle	5.8	0.1	222	18.8	18.8	8.1	8.1	32.0	32.0	92.5	92.5	7.1	4.0			<2		88					<0.2		0.9					
						5.8	0.1	226	18.8		8.1		32.0		92.5		7.1	4.1			2		88					<0.2		1.1					
					Bottom	10.6	0.1	220	18.8	18.8	8.1	8.1	32.0	32.0	92.9	93.0	7.2	4.1			3		89					<0.2		1.0					
						10.6	0.1	221	18.8		8.1		32.0		93.0		7.2	4.1			3		90					<0.2		1.0					
IM1	Cloudy	Moderate	06:29	5.5	Surface	1.0	0.1	34	18.8	18.8	8.2	8.2	31.6	31.6	95.8	95.8	7.4	4.1		<2		84		86	817941	807139	<0.2	1.2	1.2						
						1.0	0.1	35	18.7		8.2		31.6		95.7		7.4	4.1			<2		85					<0.2		1.3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	<0.2	-
					Bottom	4.5	0.1	33	18.7	18.8	8.2	8.2	31.6	31.6	95.8	95.9	7.4	4.1			<2		88					<0.2		1.2					
						4.5	0.1	33	18.8		8.2		31.6		95.9		7.4	4.0			<2		88					<0.2		1.2					
IM2	Cloudy	Moderate	06:35	6.9	Surface	1.0	0.1	44	18.7	18.7	8.2	8.2	31.6	31.6	96.5	96.5	7.5	4.1		<2		85		87	818143	806161	<0.2	1.2	1.2						
						1.0	0.1	43	18.7		8.2		31.6		96.4		7.5	4.2			<2		84					<0.2		1.3					
					Middle	3.5	0.1	48	18.7	18.7	8.1	8.1	31.6	31.6	96.1	96.1	7.4	5.9			<2		88					<0.2		1.2					
						3.5	0.1	51	18.7		8.1		31.6		96.1		7.4	5.9			<2		87					<0.2		1.2					
					Bottom	5.9	0.2	47	18.7	18.7	8.1	8.1	31.6	31.6	96.2	96.4	7.5	5.7			<2		89					<0.2		1.2					
						5.9	0.2	50	18.7		8.1		31.6		96.6		7.5	5.2			<2		90					<0.2		1.2					
IM3	Cloudy	Moderate	06:49	7.3	Surface	1.0	0.0	132	18.8	18.8	8.2	8.2	31.2	31.2	97.5	97.6	7.5	5.0		<2		84		87	818796	805595	<0.2	1.2	1.2						
						1.0	0.0	144	18.8		8.2		31.3		97.6		7.5	5.2			2		85					<0.2		1.2					
					Middle	3.7	0.0	60	18.6	18.6	8.2	8.2	31.6	31.6	97.5	97.5	7.6	14.1			<2		86					<0.2		1.2					
						3.7	0.0	65	18.6		8.2		31.6		97.4		7.6	15.0			2		87					<0.2		1.2					
					Bottom	6.3	0.1	69	18.5	18.6	8.2	8.2	31.6	31.6	96.5	96.5	7.5	15.7			3		89					<0.2		1.1					
						6.3	0.1	72	18.6		8.2		31.6		96.4		7.5	14.9			4		89					<0.2		1.1					
IM4	Cloudy	Moderate	07:00	7.5	Surface	1.0	0.3	77	18.7	18.7	8.2	8.2	31.4	31.4	98.0	98.0	7.6	6.3		2		85		87	819734	804589	<0.2	1.3	1.2						
						1.0	0.3	81	18.7		8.2		31.4		98.0		7.6	6.7			<2		85					<0.2		1.1					
					Middle	3.8	0.2	69	18.5	18.5	8.2	8.2	31.6	31.6	97.6	97.6	7.6	8.8			2		87					<0.2		1.1					
						3.8	0.2	71	18.5		8.2		31.6		97.6		7.6	9.2			2		86					<0.2		1.2					
					Bottom	6.5	0.2	62	18.5	18.5	8.2	8.2	31.7	31.7	97.0	97.0	7.5	9.5			2		89					<0.2		1.2					
						6.5	0.2	62	18.5		8.2		31.6		96.9		7.5	9.0			<2		88					<0.2		1.2					
IM5	Cloudy	Moderate	07:05	7.6	Surface	1.0	0.3	86	18.7	18.7	8.2	8.2	31.3	31.4	98.4	98.5	7.6	5.5		<2		87		87	820722	804881	<0.2	1.2	1.2						
						1.0	0.3	91	18.7		8.2		31.4		98.5		7.6	5.7			2		87					<0.2		1.2					
					Middle	3.8	0.2	61	18.4	18.4	8.2	8.2	31.7	31.7	98.0	97.9	7.6	6.8			3		87					<0.2		1.1					
						3.8	0.2	65	18.4		8.2		31.8		97.8		7.6	6.9			2		86					<0.2		1.2					
					Bottom	6.6	0.1	60	18.5	18.6	8.2	8.2	31.6	31.6	96.6	96.6	7.5	6.5			2		89					<0.2		1.2					
						6.6	0.1	70	18.6		8.2		31.6		96.5		7.5	6.3			<2		88					<0.2		1.3					
IM6	Cloudy	Moderate	07:11	7.6	Surface	1.0	0.3	22	18.8	18.8	8.2	8.2	31.4	31.4	97.5	97.5	7.5	5.4		<2		85		86	821074	805832	<0.2	1.1	1.2						
						1.0	0.3	24	18.7	18.8	8.2	8.2	31.4	31.4	97.4	97.3	7.5	5.2			<2		84					<0.2		1.1					
					Middle	3.8	0.3	37	18.5	18.5	8.2	8.2	31.6	31.6	99.0	99.1	-	6.6			<2		86					<0.2		1.1					
						3.8	0.3	38	18.5		8.2		31.6		99.2		-	6.7			2		86					<0.2		1.2					
					Bottom	6.6	0.2	64	18.4	18.4	8.2	8.2	31.7	31.7	99.7	99.7	7.7	7.1			<2		88					<0.2		1.2					
						6.6	0.2	68	18.4		8.2		31.7		99.7		7.8	7.0			<2		89					<0.2		1.2					
IM7	Cloudy	Moderate	07:18	7.9	Surface	1.0	0.2	46	18.6	18.6	8.0	8.0	31.5	31.5	98.1	98.1	7.6	6.8		2		85		87	821326	806826	<0.2	1.2	1.2						
						1.0	0.2	42	18.6		8.0		31.5		98.1		7.6	7.2			2		85					<0.2		1.3					
					Middle	4.0	0.2	43	18.5	18.5	8.0	8.0	31.7	31.7	97.7	97.7	7.6	8.6			<2		87					<0.2		1.2					
						4.0	0.2	40	18.4		8.0		31.7		97.5		7.6	8.7			<2		87					<0.2		1.3					
					Bottom	6.9	0.1	46	18.6	18.6	8.0	8.0	31.6	31.5	97.0	97.0	7.5	8.0			<2		89					<0.2		1.2					
						6.9	0.1	48	18.6		8.0		31.5		96.9		7.5	7.7			<2		89					<0.2		1.2					
IM8	Cloudy	Moderate	06:58	7.5	Surface	1.0	0.2	216	18.8	18.8	8.2	8.2	31.2	31.2	97.7	97.9	7.6	5.0		3		87		87	821843	808161	<0.2	0.9	1.0						
						1.0	0.2	226	18.8		8.2		31.2		98.0		7.6	5.0			2		86					<0.2		0.9					
					Middle	3.8	0.0	231	18.4	18.4	8.2	8.2	31.7	31.7	99.8	99.9	7.8	6.6			2		86					<0.2		1.0					
						3.8	0.0	235	18.4		8.2		31.7		99.9		7.8	6.8			4		87					<0.2		0.9					
					Bottom	6.5	0.2	56	18.3	18.3	8.2	8.2	31.9	31.9	100.1	100.1	7.8	7.5			3		88					<0.2		1.0					
						6.5	0.2	59	18.3		8.2		31.9		100.1		7.8	7.6			2		88					<0.2		1.0					

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
IM9	Cloudy	Moderate	06:52	6.9	Surface	1.0	0.2	151	18.8	18.8	8.2	8.2	31.2	31.2	98.1	98.2	7.6	5.0	3	87	8.3	4	89	822109	808794	<0.2	1.0	1.0			
						1.0	0.2	153	18.8	18.8	8.2	8.2	31.2	31.2	98.3	98.2	7.6	5.1	4	88						<0.2	1.0				
					Middle	3.5	0.2	199	18.6	18.6	8.2	8.2	31.5	31.5	99.0	99.1	7.7	7.7	4	88	<0.2	0.9									
						3.5	0.2	209	18.6	18.6	8.2	8.2	31.5	31.5	99.0	99.1	7.7	7.9	3	89	<0.2	1.0									
					Bottom	5.9	0.2	257	18.4	18.4	8.1	8.1	31.7	31.7	99.7	99.8	7.7	12.1	4	90	<0.2	0.9									
						5.9	0.2	262	18.4	18.4	8.1	8.1	31.7	31.7	99.8	99.8	7.8	12.1	5	90	<0.2	0.9									
IM10	Cloudy	Moderate	06:46	7.1	Surface	1.0	0.3	138	18.9	18.9	8.2	8.2	31.1	31.1	97.1	97.2	7.5	4.4	5	89	10.5	5	89	822398	809804	<0.2	1.1	1.2			
						1.0	0.3	144	18.9	18.9	8.2	8.2	31.1	31.1	97.2	97.2	7.5	4.4	5	90						<0.2	1.2				
					Middle	3.6	0.3	221	18.6	18.6	8.1	8.1	31.5	31.5	98.4	98.4	7.6	10.3	6	88	<0.2	1.2									
						3.6	0.3	212	18.6	18.6	8.1	8.1	31.5	31.5	98.4	98.4	7.6	10.8	4	88	<0.2	1.2									
					Bottom	6.1	0.3	291	18.4	18.4	8.1	8.1	31.7	31.7	98.6	98.7	7.7	16.5	4	89	<0.2	1.2									
						6.1	0.3	291	18.4	18.4	8.1	8.1	31.7	31.7	98.7	98.7	7.7	16.5	4	91	<0.2	1.1									
IM11	Cloudy	Moderate	06:34	7.9	Surface	1.0	0.4	126	18.7	18.7	8.1	8.1	31.6	31.6	97.0	97.0	7.5	4.1	4	87	5.0	5	87	822072	811466	<0.2	1.2	1.2			
						1.0	0.4	134	18.7	18.7	8.1	8.1	31.6	31.6	97.0	97.0	7.5	4.2	4	86						<0.2	1.2				
					Middle	4.0	0.4	212	18.7	18.7	8.1	8.1	31.6	31.6	97.3	97.4	7.5	5.1	5	86	<0.2	1.2									
						4.0	0.4	216	18.7	18.7	8.1	8.1	31.6	31.6	97.4	97.4	7.5	5.2	6	87	<0.2	1.2									
					Bottom	6.9	0.3	266	18.6	18.6	8.1	8.1	31.6	31.6	98.3	98.4	7.6	5.6	6	88	<0.2	1.1									
						6.9	0.3	267	18.6	18.6	8.1	8.1	31.6	31.6	98.4	98.4	7.6	5.7	6	88	<0.2	1.2									
IM12	Cloudy	Moderate	06:28	8.9	Surface	1.0	0.3	102	18.8	18.8	8.2	8.2	31.6	31.6	96.0	96.0	7.4	3.9	5	87	7.2	5	89	821448	812047	<0.2	1.2	1.2			
						1.0	0.3	102	18.8	18.8	8.2	8.2	31.6	31.6	95.9	96.0	7.4	4.0	6	88						<0.2	1.2				
					Middle	4.5	0.4	209	18.7	18.7	8.1	8.1	31.6	31.6	95.4	95.4	7.4	4.5	4	88	<0.2	1.2									
						4.5	0.4	217	18.7	18.7	8.1	8.1	31.6	31.6	95.4	95.4	7.4	4.4	5	89	<0.2	1.2									
					Bottom	7.9	0.3	226	18.7	18.7	8.1	8.1	31.6	31.6	95.3	95.4	7.4	13.1	6	90	<0.2	1.2									
						7.9	0.3	227	18.7	18.7	8.1	8.1	31.6	31.6	95.4	95.4	7.4	13.1	5	90	<0.2	1.1									
SR1A	Cloudy	Moderate	06:05	4.8	Surface	1.0	-	-	18.7	18.7	8.1	8.1	31.0	31.0	96.7	96.7	7.5	3.1	6	-	3.4	8	-	819971	812659	-	-	-			
						1.0	-	-	18.7	18.7	8.1	8.1	31.0	31.0	96.7	96.7	7.5	3.1	6	-						-					
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
					Bottom	3.8	-	-	18.6	18.6	8.1	8.1	31.3	31.3	96.8	96.9	7.5	3.6	9	-	-	-	-	-	-	-	-		-	-	-
						3.8	-	-	18.6	18.6	8.1	8.1	31.3	31.3	96.9	96.9	7.5	3.6	10	-	-	-	-	-	-	-	-		-	-	-
SR2	Cloudy	Moderate	05:53	4.5	Surface	1.0	0.4	96	18.6	18.6	8.1	8.1	31.6	31.6	97.0	97.0	7.5	3.9	3	88	4.0	4	89	821467	814178	<0.2	1.2	1.1			
						1.0	0.4	101	18.6	18.6	8.1	8.1	31.6	31.6	97.0	97.0	7.5	3.9	4	88						<0.2	1.0				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2		-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
					Bottom	3.5	0.2	91	18.6	18.6	8.1	8.1	31.6	31.6	97.3	97.4	7.5	4.2	4	89	<0.2	1.0									
						3.5	0.2	97	18.6	18.6	8.1	8.1	31.6	31.6	97.4	97.4	7.5	4.1	4	91	<0.2	1.0									
SR3	Cloudy	Moderate	07:05	9.2	Surface	1.0	0.5	139	18.9	18.9	8.2	8.2	31.2	31.2	96.3	96.4	7.4	4.6	4	-	6.5	5	-	822140	807589	-	-	-			
						1.0	0.5	144	18.9	18.9	8.2	8.2	31.2	31.2	96.4	96.4	7.5	4.8	6	-						-					
					Middle	4.6	0.5	122	18.5	18.5	8.2	8.2	31.7	31.7	98.1	98.1	7.6	7.3	4	-	-	-	-	-	-	-	-		-		
						4.6	0.5	132	18.4	18.4	8.2	8.2	31.7	31.7	98.1	98.1	7.6	7.4	4	-	-	-	-	-	-	-	-		-		
					Bottom	8.2	0.4	112	18.4	18.4	8.2	8.2	31.8	31.8	96.5	96.4	7.5	7.5	5	-	-	-	-	-	-	-	-		-	-	
						8.2	0.4	114	18.4	18.4	8.2	8.2	31.7	31.7	96.3	96.3	7.5	7.2	5	-	-	-	-	-	-	-	-		-	-	
SR4A	Cloudy	Moderate	05:45	8.8	Surface	1.0	0.1	231	18.6	18.6	8.2	8.2	31.6	31.6	96.8	96.8	7.5	3.5	2	-	3.6	2	-	817207	807799	-	-	-			
						1.0	0.1	247	18.6	18.6	8.2	8.2	31.6	31.6	96.8	96.8	7.5	3.5	3	-						-					
					Middle	4.4	0.0	258	18.6	18.6	8.2	8.2	31.6	31.6	96.8	96.8	7.5	3.6	<2	-	-	-	-	-	-	-	-		-		
						4.4	0.0	281	18.6	18.6	8.2	8.2	31.6	31.6	96.8	96.8	7.5	3.6	<2	-	-	-	-	-	-	-	-		-		
					Bottom	7.8	0.1	229	18.6	18.6	8.2	8.2	31.6	31.6	97.0	97.0	7.5	3.6	2	-	-	-	-	-	-	-	-		-	-	
						7.8	0.1	237	18.6	18.6	8.2	8.2	31.6	31.6	97.0	97.0	7.5	3.6	2	-	-	-	-	-	-	-	-		-	-	
SR5A	Cloudy	Moderate	05:25	5.3	Surface	1.0	0.2	285	18.9	18.9	8.2	8.2	32.0	32.0	92.2	92.2	7.1	2.7	5	-	7.1	2.7	5	-	816612	810677	-	-	-		
						1.0	0.2	297	18.8	18.8	8.2	8.2	32.0	32.0	92.2	92.2	7.1	2.7	5	-							-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
					Bottom	4.3	0.1	290	18.8	18.8	8.2	8.2	32.0	32.0	92.3	92.3	7.1	2.7	5	-	-	-	-	-	-	-	-	-		-	-
						4.3	0.1	308	18.8	18.8	8.2	8.2	32.0	32.0	92.3	92.3	7.1	2.7	6	-	-	-	-	-	-	-	-	-		-	
SR6	Cloudy	Moderate	05:01	5.3	Surface	1.0	0.2	243	18.8	18.8	8.2	8.2	32.0	32.0	91.2	91.2	7.0	3.8	3	-	7.0	3.8	4	-	817920	814660	-	-	-		
						1.0	0.2	245	18.8	18.8	8.2	8.2	32.0	32.0	91.2	91.2	7.0	3.9	4	-							-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
					Bottom	4.3	0.2	249	18.8	18.8	8.2	8.2	32.0	32.0	91.3	91.3	7.0	3.8	3	-	-	-	-	-	-	-	-	-		-	-
						4.3	0.2	269	18.8	18.8	8.2	8.2	32.0	32.0	91.3	91.3	7.0	3.8	4	-	-	-	-	-	-	-	-	-		-	
SR7	Cloudy	Moderate	05:01	15.8	Surface	1.0	0.2	218	18.8	18.8	8.1	8.1	32.0	32.0	91.5	91.5	7.0	4.2	5	-	7.1	4.2	6	-	823621	823724	-	-	-		
						1.0	0.2	224	18.8	18.8	8.1	8.1	32.0	32.0	91.5	91.5	7.0	4.3	7	-							-				
					Middle	7.9	0.2	229	18.8	18.8	8.1	8.1	32.0	32.0	91.7	91.8	7.1	4.3	7	-	-	-	-	-	-	-	-	-		-	
						7.9	0.2	235	18.8	18.8	8.1	8.1	32.0	32.0	91.8	91.8	7.1	4.1	6	-	-	-	-	-	-	-	-	-			
					Bottom	14.8	0.2	226	18.8	18.8	8.1	8.1	32.0	32.0	92.6	92.7	7.1	4.2	5	-	-	-	-	-	-	-	-	-		-	
						14.8	0.2	221	18.8	18.8	8.1	8.1	32.0	32.0	92.8	92.8	7.2	4.3	5	-	-	-	-	-	-	-	-	-		-	
SR8	Cloudy	Moderate	06:17	4.3	Surface	1.0	-	-	18.8	18.8	8.2	8.2	31.6	31.6	98.6	98.5	7.6	11.8	5	-	7.6	11.8	7	-	820366	811609	-	-	-		
						1.0	-	-	18.8	18.8	8.2	8.2	31.6	31.6	98.4	98.4	7.6	11.8	5	-							-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 January 19 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	13:18	8.5	Surface	1.0	0.0	211	18.3	18.3	8.2	8.2	30.5	30.5	99.2	99.2	7.8	7.8	4.5	4.5	6	6	83	88	88	815598	804228	<0.2	1.6					
						1.0	0.0	219	18.3	18.3	8.2	8.2	30.5	30.5	99.1	99.1	7.8	7.8	4.5	4.5	5	5	85	88				<0.2	1.4					
					Middle	4.3	0.1	146	18.3	18.3	8.2	8.2	30.7	30.7	97.6	97.6	-	-	4.0	4.0	6	6	87	89				<0.2	1.6					
						4.3	0.1	152	18.3	18.3	8.2	8.2	30.7	30.7	97.6	97.6	-	-	4.1	4.1	6	6	89	91				<0.2	1.7					
					Bottom	7.5	0.2	231	18.3	18.3	8.2	8.2	30.8	30.8	97.8	97.8	7.7	7.7	4.0	4.0	5	5	91	92				<0.2	1.6					
						7.5	0.2	249	18.3	18.3	8.2	8.2	30.8	30.8	97.8	97.8	7.7	7.7	4.1	4.1	6	6	92	93				<0.2	1.6					
C2	Sunny	Moderate	12:20	11.8	Surface	1.0	0.2	250	18.4	18.4	8.1	8.1	30.1	30.1	95.6	95.6	7.5	7.5	9.2	9.0	8	8	89	91	91	825663	806939	<0.2	1.6					
						1.0	0.2	254	18.4	18.4	8.1	8.1	30.1	30.1	95.6	95.6	7.5	7.5	9.0	9.0	9	9	88	90				<0.2	1.7					
					Middle	5.9	0.1	215	18.4	18.4	8.1	8.1	30.1	30.1	95.1	95.1	-	-	10.0	10.0	8	8	90	94				<0.2	1.5					
						5.9	0.1	225	18.4	18.4	8.1	8.1	30.1	30.1	95.1	95.1	-	-	10.0	10.0	8	8	90	94				<0.2	1.6					
					Bottom	10.8	0.0	268	18.4	18.4	8.1	8.1	30.2	30.2	95.0	95.0	7.5	7.5	10.8	10.8	9	9	93	93				<0.2	1.7					
						10.8	0.0	287	18.4	18.4	8.1	8.1	30.2	30.2	95.0	95.0	7.5	7.5	10.4	10.4	8	8	93	93				<0.2	1.6					
C3	Sunny	Moderate	14:16	10.8	Surface	1.0	0.4	62	18.4	18.4	8.1	8.1	31.6	31.6	93.5	93.5	7.3	7.3	4.5	4.5	6	6	87	89	89	822115	817802	<0.2	1.7					
						1.0	0.5	64	18.4	18.4	8.1	8.1	31.6	31.6	93.5	93.5	7.3	7.3	4.5	4.5	5	5	87	89				<0.2	1.8					
					Middle	5.4	0.4	103	18.4	18.4	8.1	8.1	31.6	31.6	93.3	93.3	7.3	7.3	4.8	4.7	7	7	89	91				<0.2	1.6					
						5.4	0.4	111	18.4	18.4	8.1	8.1	31.6	31.6	93.3	93.3	7.3	7.3	4.7	4.7	6	6	88	91				<0.2	1.6					
					Bottom	9.8	0.3	68	18.4	18.4	8.1	8.1	31.6	31.6	93.4	93.4	7.3	7.3	4.7	4.7	8	8	91	91				<0.2	1.8					
						9.8	0.4	72	18.4	18.4	8.1	8.1	31.6	31.6	93.4	93.4	7.3	7.3	4.7	4.7	9	9	91	91				<0.2	1.7					
IM1	Sunny	Moderate	13:01	5.8	Surface	1.0	0.1	130	18.3	18.3	8.2	8.2	30.6	30.6	98.9	98.9	7.8	7.8	3.5	3.5	3	3	82	87	87	817968	807151	<0.2	1.5					
						1.0	0.1	137	18.3	18.3	8.2	8.2	30.6	30.6	98.9	98.9	7.8	7.8	3.5	3.5	4	4	83	87				<0.2	1.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	<0.2	-
					Bottom	4.8	0.1	115	18.3	18.3	8.2	8.2	30.7	30.7	97.8	97.8	7.7	7.7	4.1	4.1	4	4	91	92				<0.2	1.4					
						4.8	0.1	124	18.3	18.3	8.2	8.2	30.7	30.7	97.8	97.8	7.7	7.7	4.1	4.1	4	4	92	92				<0.2	1.6					
IM2	Sunny	Moderate	12:54	6.7	Surface	1.0	0.2	72	18.3	18.3	8.2	8.2	30.7	30.7	98.4	98.4	7.7	7.7	3.5	3.5	4	4	83	88	88	818169	806177	<0.2	1.6					
						1.0	0.2	76	18.3	18.3	8.2	8.2	30.7	30.7	98.4	98.4	7.7	7.7	3.5	3.5	4	4	85	87				<0.2	1.5					
					Middle	3.4	0.1	120	18.3	18.3	8.2	8.2	30.7	30.7	97.4	97.4	7.6	7.6	3.5	3.5	4	4	87	89				<0.2	1.8					
						3.4	0.1	124	18.3	18.3	8.2	8.2	30.8	30.8	97.4	97.4	7.6	7.6	3.6	3.6	5	5	89	91				<0.2	1.6					
					Bottom	5.7	0.1	276	18.3	18.3	8.2	8.2	30.8	30.8	97.2	97.2	7.6	7.6	2.5	2.5	5	5	91	92				<0.2	1.6					
						5.7	0.1	277	18.3	18.3	8.2	8.2	30.8	30.8	97.3	97.3	7.6	7.6	2.4	2.4	5	5	92	92				<0.2	1.6					
IM3	Sunny	Moderate	12:48	6.4	Surface	1.0	0.2	119	18.1	18.1	8.2	8.2	30.5	30.5	98.5	98.5	7.8	7.8	4.5	4.5	4	4	84	88	88	818766	805609	<0.2	1.6					
						1.0	0.2	119	18.1	18.1	8.2	8.2	30.5	30.5	98.4	98.4	7.8	7.8	4.6	4.6	3	3	85	87				<0.2	1.6					
					Middle	3.2	0.1	120	18.1	18.1	8.2	8.2	30.5	30.5	97.9	97.9	7.7	7.7	5.2	5.3	3	3	87	89				<0.2	1.6					
						3.2	0.1	122	18.1	18.1	8.2	8.2	30.5	30.5	97.8	97.8	7.7	7.7	5.3	5.3	4	4	89	90				<0.2	1.8					
					Bottom	5.4	0.1	109	18.1	18.1	8.2	8.2	30.5	30.5	97.8	97.8	7.7	7.7	6.9	6.8	5	5	90	92				<0.2	1.8					
						5.4	0.1	109	18.1	18.1	8.2	8.2	30.5	30.5	97.8	97.8	7.7	7.7	6.8	6.8	4	4	92	92				<0.2	1.7					
IM4	Sunny	Moderate	12:40	6.2	Surface	1.0	0.2	111	18.2	18.2	8.2	8.2	30.3	30.3	98.0	98.0	7.7	7.7	6.3	6.2	5	5	83	85	88	819739	804616	<0.2	1.6					
						1.0	0.2	121	18.2	18.2	8.2	8.2	30.3	30.3	98.0	98.0	7.7	7.7	6.2	6.2	5	5	85	87				<0.2	1.8					
					Middle	3.1	0.2	121	18.1	18.1	8.2	8.2	30.3	30.3	97.7	97.7	7.7	7.7	6.4	6.5	4	4	87	89				<0.2	1.5					
						3.1	0.2	122	18.1	18.1	8.2	8.2	30.3	30.3	97.7	97.7	7.7	7.7	6.5	6.5	3	3	89	91				<0.2	1.6					
					Bottom	5.2	0.2	113	18.1	18.1	8.2	8.2	30.4	30.4	97.4	97.4	7.7	7.7	6.5	6.5	5	5	91	92				<0.2	1.7					
						5.2	0.2	113	18.1	18.1	8.2	8.2	30.4	30.4	97.4	97.4	7.7	7.7	6.5	6.5	4	4	92	92				<0.2	1.7					
IM5	Sunny	Moderate	12:32	6.5	Surface	1.0	0.3	112	17.9	17.9	8.2	8.2	30.2	30.2	98.5	98.5	7.8	7.8	6.5	6.5	3	3	83	85	88	820725	804882	<0.2	1.6					
						1.0	0.3	119	17.9	17.9	8.2	8.2	30.2	30.2	98.5	98.5	7.8	7.8	6.5	6.5	2	2	85	87				<0.2	1.6					
					Middle	3.3	0.2	117	17.9	17.9	8.2	8.2	30.2	30.2	98.3	98.3	7.8	7.8	6.8	6.7	5	5	87	89				<0.2	1.5					
						3.3	0.2	127	17.9	17.9	8.2	8.2	30.2	30.2	98.3	98.3	7.8	7.8	6.7	6.7	5	5	89	90				<0.2	1.5					
					Bottom	5.5	0.2	132	17.9	17.9	8.2	8.2	30.2	30.2	98.0	98.1	7.8	7.8	8.2	8.2	6	6	90	91				<0.2	1.6					
						5.5	0.2	134	17.9	17.9	8.2	8.2	30.2	30.2	98.1	98.1	7.8	7.8	8.2	8.2	6	6	91	91				<0.2	1.8					
IM6	Sunny	Moderate	12:27	7.1	Surface	1.0	0.2	105	18.0	18.0	8.2	8.2	30.4	30.4	98.0	98.0	7.7	7.7	5.3	5.4	2	2	83	86	88	821063	805805	<0.2	1.4					
						1.0	0.2	105	18.0	18.0	8.2	8.2	30.4	30.4	98.0	98.0	7.7	7.7	5.4	5.4	2	2	83	86				<0.2	1.6					
					Middle	3.6	0.3	114	18.0	18.0	8.2	8.2	30.3	30.3	97.8	97.8	7.7	7.7	7.1	7.1	2	2	86	88				<0.2	1.4					
						3.6	0.3	118	18.0	18.0	8.2	8.2	30.3	30.3	97.8	97.8	7.7	7.7	7.1	7.1	2	2	88	92				<0.2	1.6					
					Bottom	6.1	0.2	122	18.0	18.0	8.2	8.2	30.3	30.3	97.7	97.7	7.7	7.7	10.8	10.8	<2	<2	92	93				<0.2	1.6					
						6.1	0.2	124	18.0	18.0	8.2	8.2	30.3	30.3	97.7	97.7	7.7	7.7	10.9	10.9	3	3	93	93				<0.2	1.6					
IM7	Sunny	Moderate	12:20	7.7	Surface	1.0	0.1	97	18.4	18.4	8.1	8.1	30.1	30.1	95.7	95.7	7.5	7.5	4.9	4.9	2	2	82	83	87	821363	806858	<0.2	1.5					
						1.0	0.1	96	18.4	18.4	8.1	8.1	30.1	30.1	95.7	95.7	7.5	7.5	4.9	4.9	2	2	83	87				<0.2	1.5					
					Middle	3.9	0.2	115	18.4	18.4	8.1	8.1	30.1	30.1	95.3	95.3	7.5	7.5	5.6	5.7	3	3	87	87				<0.2	1.6					
						3.9	0.2	120	18.4	18.4	8.1	8.1	30.1	30.1	95.2	95.2	7.5	7.5	5.7	5.7	4	4	87	91				<0.2	1.6					
					Bottom	6.7	0.3	120	18.4	18.4	8.1	8.1	30.2	30.2	95.2	95.2	7.5	7.5	5.7	5.7	4	4	91	93				<0.2	1.6					
						6.7	0.3	120	18.4	18.4	8.1	8.1	30.2	30.2	95.2	95.2	7.5	7.5	6.0	6.0	4	4	93	93				<0.2	1.7					
IM8	Sunny	Moderate	12:47	8.9	Surface	1.0	0.2	114	17.9	17.9	8.2	8.2	30.2	30.2	98.7	98.7	7.8	7.8	10.5	10.5	15	15	85	87	87	821825	808140	<0.2	1.5					
						1.0	0.3	121	17.9	17.9	8.2	8.2	30.2	30.2	98.6	98.6	7.8	7.8	10.5	10.5	15	15												

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value
IM9	Sunny	Moderate	12:53	8.3	Surface	1.0	0.5	106	18.1	18.1	8.2	8.2	30.3	30.3	98.0	98.1	7.7	7.7	10.2	10.2	12	12	85	86	822112	808807	<0.2	<0.2	1.5	1.5			
						1.0	0.5	106	18.1	18.1	8.2	8.2	30.3	30.3	98.1	98.0	7.7	7.7	10.2	10.2	12	12	86	89	822112	808807	<0.2	<0.2	1.4	1.5			
					Middle	4.2	0.4	83	18.1	18.1	8.2	8.2	30.3	30.3	98.0	98.0	7.7	7.7	10.5	10.5	11	12	87	89	822112	808807	<0.2	<0.2	1.5	1.5			
						4.2	0.5	83	18.1	18.1	8.2	8.2	30.3	30.3	98.0	98.0	7.7	7.7	10.5	10.5	12	15	89	90	822112	808807	<0.2	<0.2	1.5	1.7			
					Bottom	7.3	0.4	86	18.0	18.0	8.2	8.2	30.4	30.4	98.3	98.4	7.8	7.8	10.2	10.3	15	14	90	90	822112	808807	<0.2	<0.2	1.7	1.6			
						7.3	0.4	91	18.0	18.0	8.2	8.2	30.4	30.4	98.4	98.4	7.8	7.8	10.3	10.3	14	14	90	90	822112	808807	<0.2	<0.2	1.6	1.6			
IM10	Sunny	Moderate	13:02	8.4	Surface	1.0	0.6	96	18.1	18.1	8.2	8.2	30.5	30.5	98.4	98.4	7.7	7.7	8.3	8.3	12	11	87	87	822372	809774	<0.2	<0.2	1.6	1.6			
						1.0	0.6	101	18.1	18.1	8.2	8.2	30.5	30.5	98.3	98.0	7.7	7.7	8.3	8.3	11	12	87	88	822372	809774	<0.2	<0.2	1.6	1.7			
					Middle	4.2	0.5	97	18.1	18.1	8.2	8.2	30.5	30.5	97.9	98.0	7.7	7.7	10.4	10.4	12	12	88	89	822372	809774	<0.2	<0.2	1.7	1.7			
						4.2	0.5	100	18.1	18.1	8.2	8.2	30.5	30.5	98.0	98.0	7.7	7.7	10.4	10.4	12	11	89	90	822372	809774	<0.2	<0.2	1.7	1.6			
					Bottom	7.4	0.3	92	18.1	18.1	8.2	8.2	30.5	30.5	98.1	98.2	7.7	7.7	11.3	11.3	11	11	90	90	822372	809774	<0.2	<0.2	1.6	1.6			
						7.4	0.3	96	18.1	18.1	8.2	8.2	30.5	30.5	98.2	98.2	7.7	7.7	11.5	11.5	11	11	90	90	822372	809774	<0.2	<0.2	1.6	1.6			
IM11	Sunny	Moderate	13:13	9.1	Surface	1.0	0.6	109	18.3	18.3	8.2	8.2	30.7	30.7	98.2	98.2	7.7	7.7	5.7	5.7	8	9	85	86	822064	811449	<0.2	<0.2	1.6	1.5			
						1.0	0.7	117	18.3	18.3	8.2	8.2	30.7	30.7	98.1	97.8	7.7	7.7	5.7	5.7	9	7	86	87	822064	811449	<0.2	<0.2	1.5	1.6			
					Middle	4.6	0.5	87	18.3	18.3	8.2	8.2	30.8	30.8	97.8	97.8	7.7	7.7	6.2	6.2	7	8	87	88	822064	811449	<0.2	<0.2	1.5	1.6			
						4.6	0.5	88	18.3	18.3	8.2	8.2	30.8	30.8	97.8	97.8	7.7	7.7	6.2	6.2	8	7	88	90	822064	811449	<0.2	<0.2	1.6	1.5			
					Bottom	8.1	0.5	114	18.3	18.3	8.2	8.2	30.8	30.8	98.4	98.6	7.7	7.7	6.3	6.3	7	6	90	89	822064	811449	<0.2	<0.2	1.5	1.7			
						8.1	0.5	115	18.3	18.3	8.2	8.2	30.8	30.8	98.7	98.6	7.7	7.7	6.3	6.3	6	6	89	89	822064	811449	<0.2	<0.2	1.7	1.7			
IM12	Sunny	Moderate	13:22	8.4	Surface	1.0	0.6	111	18.3	18.3	8.2	8.2	30.6	30.6	98.9	98.9	7.8	7.8	5.8	5.8	6	5	85	85	821456	812029	<0.2	<0.2	1.6	1.4			
						1.0	0.6	118	18.3	18.3	8.2	8.2	30.6	30.6	98.9	98.1	7.8	7.8	5.8	5.8	5	5	85	87	821456	812029	<0.2	<0.2	1.6	1.8			
					Middle	4.2	0.5	91	18.3	18.3	8.2	8.2	30.7	30.7	98.1	98.1	7.7	7.7	5.9	5.9	5	5	87	88	821456	812029	<0.2	<0.2	1.6	1.6			
						4.2	0.6	94	18.3	18.3	8.2	8.2	30.7	30.7	98.1	98.1	7.7	7.7	5.9	5.9	5	5	88	90	821456	812029	<0.2	<0.2	1.8	1.5			
					Bottom	7.4	0.3	100	18.2	18.2	8.2	8.2	30.7	30.7	98.1	98.2	7.7	7.7	6.8	6.7	5	5	90	91	821456	812029	<0.2	<0.2	1.5	1.6			
						7.4	0.3	109	18.2	18.2	8.2	8.2	30.7	30.7	98.2	98.2	7.7	7.7	6.7	6.7	5	5	91	91	821456	812029	<0.2	<0.2	1.6	1.6			
SR1A	Sunny	Moderate	13:46	5.6	Surface	1.0	-	-	18.3	18.3	8.2	8.2	30.5	30.5	99.3	99.3	7.8	7.8	6.4	6.5	5	-	-	-	819972	812659	-	-	-	-			
						1.0	-	-	18.3	18.3	8.2	8.2	30.5	30.5	99.2	99.2	7.8	7.8	6.5	6.5	5	-	-	-	819972	812659	-	-	-	-			
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	5	-	-	-	-	-	-	-	-		
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3	-	5	-	-	-	-	-	-	-	-		
					Bottom	4.6	-	-	18.3	18.3	8.2	8.2	30.7	30.7	98.4	98.4	7.7	7.7	6.0	6.1	5	6	-	-	-	-	819972	812659	-	-	-	-	
						4.6	-	-	18.3	18.3	8.2	8.2	30.7	30.7	98.4	98.4	7.7	7.7	6.1	6.1	6	6	-	-	-	-	819972	812659	-	-	-	-	
SR2	Sunny	Moderate	13:54	4.6	Surface	1.0	0.5	94	18.3	18.3	8.2	8.2	30.7	30.7	98.3	98.3	7.7	7.7	7.8	7.5	7	7	85	85	821451	814184	<0.2	<0.2	1.5	1.6			
						1.0	0.6	95	18.3	18.3	8.2	8.2	30.7	30.7	98.2	98.2	7.7	7.7	7.5	7.5	7	7	85	85	821451	814184	<0.2	<0.2	1.6	1.6			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.1	-	7	-	-	-	86	821451	814184	<0.2	<0.2	1.6	1.6
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.1	-	7	-	-	-	-	-	-	-	-		
					Bottom	3.6	0.3	81	18.3	18.3	8.2	8.2	30.7	30.7	98.3	98.4	7.7	7.7	8.7	8.4	6	6	86	87	821451	814184	<0.2	<0.2	1.6	1.6			
						3.6	0.3	86	18.3	18.3	8.2	8.2	30.7	30.7	98.4	98.4	7.7	7.7	8.7	8.4	6	6	87	87	821451	814184	<0.2	<0.2	1.6	1.6			
SR3	Sunny	Moderate	12:40	10.0	Surface	1.0	0.4	113	18.0	18.0	8.2	8.2	30.4	30.4	98.0	98.0	7.7	7.7	8.8	8.6	9	10	-	-	822151	807588	-	-	-	-			
						1.0	0.4	115	18.0	18.0	8.2	8.2	30.4	30.4	98.0	98.0	7.7	7.7	8.6	8.6	10	11	-	-	822151	807588	-	-	-	-			
					Middle	5.0	0.4	92	18.0	18.0	8.2	8.2	30.4	30.4	97.8	97.8	7.7	7.7	11.4	11.6	15	14	-	-	-	-	822151	807588	-	-	-	-	
						5.0	0.4	96	18.0	18.0	8.2	8.2	30.4	30.4	97.8	97.8	7.7	7.7	11.6	11.6	14	15	-	-	-	-	822151	807588	-	-	-	-	
					Bottom	9.0	0.3	78	17.9	17.9	8.2	8.2	30.3	30.3	98.0	98.0	7.7	7.7	15.3	15.4	16	15	-	-	-	-	822151	807588	-	-	-	-	
						9.0	0.3	80	17.9	17.9	8.2	8.2	30.3	30.3	98.0	98.0	7.7	7.7	15.4	15.4	15	15	-	-	-	-	822151	807588	-	-	-	-	
SR4A	Sunny	Calm	13:38	7.2	Surface	1.0	0.2	99	18.3	18.3	8.2	8.2	30.7	30.7	98.0	98.0	7.7	7.7	4.9	4.9	5	4	-	-	817205	807818	-	-	-	-			
						1.0	0.2	101	18.3	18.3	8.2	8.2	30.7	30.7	98.0	97.7	7.7	7.7	4.9	4.9	4	5	-	-	817205	807818	-	-	-	-			
					Middle	3.6	0.2	89	18.3	18.3	8.2	8.2	30.7	30.7	97.5	97.5	7.6	7.6	5.0	5.1	5	6	-	-	-	-	817205	807818	-	-	-	-	
						3.6	0.2	89	18.3	18.3	8.2	8.2	30.7	30.7	97.4	97.5	7.6	7.6	5.1	6	5	6	-	-	-	-	817205	807818	-	-	-	-	
					Bottom	6.2	0.2	82	18.3	18.3	8.2	8.2	30.8	30.8	97.2	97.2	7.6	7.6	6.0	6.5	5	5	-	-	-	-	817205	807818	-	-	-	-	
						6.2	0.2	82	18.3	18.3	8.2	8.2	30.8	30.8	97.2	97.2	7.6	7.6	6.0	6.5	5	5	-	-	-	-	817205	807818	-	-	-	-	
SR5A	Sunny	Calm	13:56	5.6	Surface	1.0	0.0	16	18.4	18.4	8.1	8.1	31.6	31.6	93.4	93.4	7.3	7.3	2.1	2.1	5	4	-	-	816595	810676	-	-	-	-			
						1.0	0.0	16	18.4	18.4	8.1	8.1	31.6	31.6	93.4	93.4	7.3	7.3	2.1	2.1	4	-	-	-	816595	810676	-	-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	5	-	-	-	816595	810676	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	5	-	-	-	816595	810676	-	-	-	-	
					Bottom	4.6	0.1	172	18.4	18.4	8.1	8.1	31.6	31.6	93.1	93.1	7.2	7.2	2.7	2.7	5	5	-	-	-	-	816595	810676	-	-	-	-	
						4.6	0.1	175	18.4	18.4	8.1	8.1	31.6	31.6	93.1	93.1	7.2	7.2	2.7	2.7	5	5	-	-	-	-	816595	810676	-	-	-	-	
SR6	Sunny	Calm	14:38	3.8	Surface	1.0	0.0	39	18.4	18.4	8.1	8.1	31.6	31.6	93.1	93.1	7.2	7.2	2.4	2.5	4	4	-	-	817890	814675	-	-	-	-			
						1.0	0.0	42	18.4	18.4	8.1	8.1	31.7	31.7	93																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Sunny	Moderate	08:04	8.8	Surface	1.0	0.1	77	18.0	18.0	8.2	8.2	30.5	30.5	99.2	99.2	7.8	7.8	2.7		<2		84		815642	804229	<0.2	1.0	1.1		
						1.0	0.1	86	18.0		8.2		30.5		99.2		7.8	7.8	2.8		<2		87				<0.2	1.1			
					Middle	4.4	0.0	63	18.0	18.0	8.2	8.2	30.5	30.5	98.9	98.9	-		3.4	3.4	3	2	89				<0.2	1.2			
						4.4	0.0	69	18.0		8.2		30.5		98.8		-		3.4		<2		90				<0.2	1.0			
					Bottom	7.8	0.1	35	18.1	18.1	8.2	8.2	30.5	30.5	98.4	98.4	7.8	7.8	3.9		3		94				<0.2	1.0			
						7.8	0.1	38	18.1		8.2		30.5		98.3		7.7		4.0		2		94				<0.2	1.1			
C2	Sunny	Moderate	09:25	11.0	Surface	1.0	0.3	55	18.4	18.4	8.1	8.1	30.1	30.1	95.9	95.9	7.5	7.5	9.1		11		89		825698	806945	<0.2	1.1	1.0		
						1.0	0.4	58	18.4		8.1		30.1		95.9		7.5	7.5	9.1		11		89				<0.2	1.0			
					Middle	5.5	0.3	32	18.4	18.4	8.1	8.1	30.1	30.1	95.7	95.7	7.5	7.5	9.6	9.7	10	10	91				<0.2	1.0			
						5.5	0.4	34	18.4		8.1		30.1		95.7		7.5		9.6		11		92				<0.2	1.0			
					Bottom	10.0	0.4	315	18.4	18.4	8.1	8.1	30.1	30.1	95.7	95.8	7.5	7.5	10.2		9		94				<0.2	1.1			
						10.0	0.4	316	18.4		8.1		30.1		95.8		7.5		10.4		9		93				<0.2	1.0			
C3	Fine	Moderate	07:30	10.8	Surface	1.0	0.7	250	18.3	18.3	8.2	8.2	30.9	30.9	96.6	96.6	7.6	7.6	6.4		6		87		822102	817790	<0.2	1.0	1.0		
						1.0	0.8	264	18.3		8.2		30.9		96.5		7.6	7.6	6.4		6		87				<0.2	1.0			
					Middle	5.4	0.5	256	18.3	18.3	8.2	8.2	31.1	31.1	95.7	95.7	-		10.7	12.1	6	7	91				<0.2	1.0			
						5.4	0.6	277	18.3		8.2		31.1		95.7		-		11.1		6		92				<0.2	1.0			
					Bottom	9.8	0.4	260	18.3	18.3	8.2	8.2	31.1	31.1	96.3	96.4	7.5	7.5	18.8		8		92				<0.2	1.0			
						9.8	0.4	263	18.3		8.2		31.1		96.4		7.5		19.0		8		93				<0.2	1.0			
IM1	Sunny	Moderate	08:23	5.9	Surface	1.0	0.4	62	18.1	18.1	8.2	8.2	30.5	30.5	97.9	97.9	7.7	7.7	6.9		4		86		817961	807120	<0.2	0.9	1.0		
						1.0	0.4	68	18.1		8.2		30.5		97.9		7.7	7.7	6.8		3		87				<0.2	1.0			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.0	-	3		90				<0.2		1.0	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-
					Bottom	4.9	0.5	66	18.1	18.1	8.2	8.2	30.5	30.5	97.6	97.6	7.7	7.7	12.8		2		94				<0.2	0.9			
						4.9	0.5	71	18.1		8.2		30.5		97.6		7.7	7.7	13.5		3		94				<0.2	1.0			
IM2	Sunny	Moderate	08:29	7.2	Surface	1.0	0.2	5	18.2	18.2	8.2	8.2	30.6	30.6	96.8	96.8	7.6	7.6	4.1		2		86		818183	806170	<0.2	1.0	1.0		
						1.0	0.3	5	18.2		8.2		30.6		96.8		7.6	7.6	4.1		3		87				<0.2	1.0			
					Middle	3.6	0.2	26	18.2	18.2	8.2	8.2	30.6	30.6	96.7	96.7	7.6	7.6	4.3	4.4	2	3	90				<0.2	1.0			
						3.6	0.2	27	18.2		8.2		30.6		96.7		7.6		4.4		3		90				<0.2	1.0			
					Bottom	6.2	0.2	9	18.2	18.2	8.2	8.2	30.6	30.6	96.6	96.6	7.6	7.6	4.7		3		94				<0.2	0.9			
						6.2	0.2	9	18.2		8.2		30.6		96.6		7.6		4.6		2		95				<0.2	0.9			
IM3	Sunny	Moderate	08:34	7.0	Surface	1.0	0.5	12	18.1	18.1	8.2	8.2	30.6	30.6	98.3	98.3	7.7	7.7	6.4		4		85		818785	805610	<0.2	1.1	1.0		
						1.0	0.5	12	18.1		8.2		30.6		98.3		7.7	7.7	6.4		4		87				<0.2	1.0			
					Middle	3.5	0.4	14	18.1	18.1	8.2	8.2	30.6	30.6	98.1	98.1	7.7	7.7	9.5	9.7	3	3	90				<0.2	0.9			
						3.5	0.4	14	18.1		8.2		30.6		98.1		7.7		9.3		3		91				<0.2	0.9			
					Bottom	6.0	0.3	350	18.1	18.1	8.2	8.2	30.6	30.6	97.9	97.9	7.7	7.7	12.8		<2		95				<0.2	1.0			
						6.0	0.3	322	18.1		8.2		30.6		97.9		7.7	7.7	13.6		2		96				<0.2	1.0			
IM4	Sunny	Moderate	08:44	7.5	Surface	1.0	0.5	16	18.0	18.0	8.2	8.2	30.3	30.3	97.3	97.3	7.7	7.7	15.4		3		85		819744	804625	<0.2	0.9	0.9		
						1.0	0.5	16	18.0		8.2		30.3		97.3		7.7	7.7	15.1		3		85				<0.2	1.0			
					Middle	3.8	0.4	7	17.9	17.9	8.2	8.2	30.4	30.4	97.1	97.1	7.7	7.7	16.7	15.9	3	3	89				<0.2	1.0			
						3.8	0.4	7	17.9		8.2		30.4		97.1		7.7		16.9		2		91				<0.2	0.9			
					Bottom	6.5	0.3	352	17.9	17.9	8.2	8.2	30.4	30.4	97.0	97.0	7.7	7.7	15.6		<2		93				<0.2	0.9			
						6.5	0.3	352	17.9		8.2		30.4		97.0		7.7		15.7		3		94				<0.2	0.9			
IM5	Sunny	Moderate	08:52	6.8	Surface	1.0	0.6	13	18.2	18.2	8.2	8.2	30.2	30.2	97.3	97.3	7.7	7.7	6.1		2		84		820740	804875	<0.2	1.0	1.0		
						1.0	0.6	14	18.2		8.2		30.2		97.3		7.7	7.7	6.0		2		86				<0.2	1.0			
					Middle	3.4	0.5	19	18.1	18.1	8.2	8.2	30.2	30.2	97.2	97.3	7.7	7.7	6.3	7.5	4	3	91				<0.2	1.0			
						3.4	0.5	20	18.1		8.2		30.2		97.3		7.7		6.3		4		92				<0.2	1.0			
					Bottom	5.8	0.5	11	18.0	18.0	8.2	8.2	30.3	30.3	97.1	97.1	7.7	7.7	10.1		3		93				<0.2	1.0			
						5.8	0.5	11	18.0		8.2		30.3		97.1		7.7		10.2		3		93				<0.2	1.0			
IM6	Sunny	Moderate	09:00	6.9	Surface	1.0	0.2	104	18.0	18.0	8.2	8.2	30.4	30.4	97.8	97.8	7.7	7.7	13.4		3		86		821044	805804	<0.2	1.0	1.0		
						1.0	0.2	104	18.0		8.2		30.4		97.8		7.7	7.7	13.4		3		86				<0.2	1.0			
					Middle	3.5	0.2	67	18.0	18.0	8.2	8.2	30.4	30.4	97.6	97.6	7.7	7.7	13.8	14.0	4	4	90				<0.2	0.9			
						3.5	0.2	69	18.0		8.2		30.4		97.6		7.7		14.0		4		90				<0.2	1.0			
					Bottom	5.9	0.1	100	18.0	18.0	8.2	8.2	30.4	30.4	97.6		7.7	7.7	14.3		6		94				<0.2	1.0			
						5.9	0.2	104	18.0		8.2		30.4		97.6	97.6	7.7	7.7	14.6		5		94				<0.2	1.0			
IM7	Sunny	Moderate	09:10	7.5	Surface	1.0	0.0	288	18.4	18.4	8.1	8.1	30.1	30.1	95.8	95.8	7.5	7.5	4.8		3		85		821355	806814	<0.2	1.0	1.0		
						1.0	0.0	307	18.4		8.1		30.1		95.8		7.5	7.5	4.8		2		86				<0.2	1.0			
					Middle	3.8	0.0	354	18.4	18.4	8.1	8.1	30.1	30.1	95.5	95.5	7.5	7.5	6.1		2		90				<0.2	1.0			
						3.8	0.0	326	18.4		8.1		30.1		95.5		7.5		6.1		3		90				<0.2	1.0			
					Bottom	6.5	0.1	18	18.4	18.4	8.1	8.1	30.1	30.1	95.3		7.5	7.5	6.9		3		93				<0.2	0.9			
						6.5	0.1	18	18.4		8.1		30.1		95.4	95.4	7.5	7.5	7.0		3		94				<0.2	1.1			
IM8	Sunny	Moderate	09:00	7.8	Surface	1.0	0.2	111	18.2	18.2	8.1	8.1	30.2	30.2	97.2	97.2	7.7	7.7	10.0		16		87		821809	808130	<0.2	1.0	1.0		
						1.0	0.2	117	18.2		8.1		30.2		97.2		7.7	7.7	10.1		15		87				<0.2	0.9			
					Middle	3.9	0.3	70	18.1	18.1	8.1	8.1	30.2	30.2	97.1	97.2	7.7	7.7	10.6	11.8	14	15	90				<0.2	1.0			
						3.9	0.3	71	18.1		8.2		30.2		97.2		7.7		10.6		13		90				<0.2	1.0			
					Bottom	6.8	0.3	55	17.9	17.9	8.2	8.2	30.3	30.3	97.7	97.8	7.7	7.7	14.9		15		93				<0.2	1.0			
						6.8	0.3	59	17.9		8.2		30.3		97.8		7.7		14.6		16		94				<0.2	0.9			

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

Water Quality Monitoring

Water Quality Monitoring Results on 22 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	08:53	7.5	Surface	1.0	0.1	55	18.0	18.0	8.1	8.1	30.3	30.3	97.4	97.4	7.7	7.7	15.0	19.3	11	14	86	89	822104	808808	<0.2	<0.2	1.0	1.0		
						1.0	0.1	57	18.0		8.1		30.3		97.4		7.7		14.9		12		86				<0.2	<0.2	1.0			
					Middle	3.8	0.3	46	17.9	17.9	8.2	8.2	30.4	30.4	97.2	97.3	7.7	7.7	22.7		15		89				<0.2	<0.2	0.9	0.9		
						3.8	0.3	47	17.9		8.2		30.4		97.3		7.7		22.5		14		90				<0.2	<0.2	1.1	1.1		
					Bottom	6.5	0.2	20	17.9	17.9	8.2	8.1	30.4	30.4	97.3	97.4	7.7	7.7	20.4		16		93				<0.2	<0.2	0.9	0.9		
						6.5	0.2	21	17.9		8.1		30.4		97.4		7.7		20.3		16		92				<0.2	<0.2	0.9	0.9		
IM10	Sunny	Moderate	08:45	8.0	Surface	1.0	0.2	51	18.1	18.1	8.2	8.2	30.6	30.6	98.3	98.3	7.7	7.7	12.3	13.6	13	11	85	89	822403	809789	<0.2	<0.2	1.0	1.0		
						1.0	0.2	51	18.1		8.2		30.6		98.3		7.7		12.1		13		84				<0.2	<0.2	0.9	0.9		
					Middle	4.0	0.3	0	18.1	18.1	8.2	8.2	30.6	30.6	98.2	98.2	7.7	7.7	13.2		10		85				<0.2	<0.2	1.1	1.1		
						4.0	0.4	0	18.1		8.2		30.6		98.2		7.7		13.1		11		86				<0.2	<0.2	1.0	1.0		
					Bottom	7.0	0.4	307	18.1	18.1	8.2	8.2	30.6	30.6	98.3	98.4	7.7	7.7	15.4		10		96				<0.2	<0.2	0.9	0.9		
						7.0	0.4	314	18.1		8.2		30.6		98.4		7.7		15.4		10		96				<0.2	<0.2	1.0	1.0		
IM11	Sunny	Moderate	08:33	8.7	Surface	1.0	0.4	298	18.2	18.2	8.2	8.2	30.6	30.6	96.8	96.8	7.6	7.6	8.2	8.6	12	12	85	89	822076	811456	<0.2	<0.2	1.0	1.0		
						1.0	0.4	322	18.2		8.2		30.6		96.7		7.6		8.4		11		85				<0.2	<0.2	1.0	1.0		
					Middle	4.4	0.2	269	18.2	18.2	8.1	8.1	30.6	30.6	96.6	96.6	7.6	7.6	7.9		12		90				<0.2	<0.2	0.9	0.9		
						4.4	0.2	277	18.2		8.1		30.6		96.6		7.6		8.0		13		90				<0.2	<0.2	1.0	1.0		
					Bottom	7.7	0.2	249	18.2	18.2	8.1	8.1	30.6	30.6	96.5	96.5	7.6	7.6	9.3		12		93				<0.2	<0.2	1.0	1.0		
						7.7	0.2	259	18.2		8.1		30.6		96.5		7.6		9.6		13		92				<0.2	<0.2	0.9	0.9		
IM12	Sunny	Moderate	08:26	8.6	Surface	1.0	0.3	261	18.1	18.1	8.2	8.2	30.5	30.5	97.9	97.9	7.7	7.7	11.7	16.9	6	7	88	92	821445	812056	<0.2	<0.2	1.2	1.2		
						1.0	0.4	275	18.1		8.2		30.5		97.9		7.7		11.2		6		88				<0.2	<0.2	1.2	1.2		
					Middle	4.3	0.2	259	18.1	18.1	8.2	8.2	30.5	30.5	97.7	97.7	7.7	7.7	15.7		6		92				<0.2	<0.2	1.2	1.2		
						4.3	0.2	268	18.1		8.2		30.5		97.7		7.7		15.6		7		93				<0.2	<0.2	1.2	1.2		
					Bottom	7.6	0.2	294	18.1	18.1	8.2	8.2	30.5	30.5	97.7	97.8	7.7	7.7	23.6		8		94				<0.2	<0.2	1.2	1.2		
						7.6	0.2	321	18.1		8.2		30.5		97.8		7.7		23.5		9		95				<0.2	<0.2	1.2	1.2		
SR1A	Fine	Moderate	08:04	5.2	Surface	1.0	-	-	18.0	18.0	8.2	8.2	30.4	30.4	99.7	99.7	7.9	7.9	5.2	5.5	17	17	-	-	-	-	-	-	-	-		
						1.0	-	-	18.0		8.2		30.4		99.7		7.9		5.3		17		-		-	-	-	-	-	-		
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	7.9	-	-	5.5	-	17	-	-	-	-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	4.2	-	-	18.0	18.0	8.2	8.2	30.5	30.5	100.1	100.2	7.9	7.9	5.7		17		-		-	-	-	-	-	-	-	-
						4.2	-	-	18.0		8.2		30.5		100.3		7.9		5.7		18		-		-	-	-	-	-	-	-	-
SR2	Fine	Moderate	07:50	4.7	Surface	1.0	0.5	309	18.1	18.1	8.2	8.2	30.5	30.5	98.6	98.6	7.8	7.8	14.0	13.5	12	12	88	88	821459	814143	<0.2	<0.2	1.4	1.4		
						1.0	0.5	320	18.1		8.2		30.5		98.6		7.8		14.1		12		88				<0.2	<0.2	1.4	1.4		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.5	-	12	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.7	0.2	330	18.1	18.1	8.2	8.2	30.5	30.5	99.3	99.3	7.8	7.8	12.9		12		91				<0.2	<0.2	1.5	1.5		
						3.7	0.2	357	18.1		8.2		30.5		99.3		7.8		12.9		12		90				<0.2	<0.2	1.5	1.5		
SR3	Sunny	Moderate	09:07	9.1	Surface	1.0	0.2	84	18.0	18.0	8.2	8.2	30.4	30.4	97.9	97.9	7.7	7.7	15.9	17.3	10	10	-	-	-	-	-	-	-	-		
						1.0	0.2	89	18.0		8.2		30.4		97.9		7.7		15.9		10		-		-	-	-	-	-	-		
					Middle	4.6	0.4	63	17.9	17.9	8.2	8.2	30.4	30.4	97.7	97.7	7.7	7.7	18.0		11		-		-	-	-	-	-	-	-	
						4.6	0.4	66	17.9		8.2		30.4		97.7		7.7		17.9		10		-		-	-	-	-	-	-	-	
					Bottom	8.1	0.4	47	17.9	17.9	8.2	8.2	30.4	30.4	97.9	98.0	7.7	7.7	18.3		10		-		-	-	-	-	-	-	-	
						8.1	0.4	47	17.9		8.2		30.4		98.0		7.7		17.7		10		-		-	-	-	-	-	-	-	
SR4A	Fine	Calm	07:44	9.2	Surface	1.0	0.1	300	18.1	18.1	8.2	8.2	30.5	30.5	98.0	98.0	7.7	7.7	6.7	10.1	2	3	-	-	-	-	-	-	-	-		
						1.0	0.1	301	18.1		8.2		30.5		98.0		7.7		6.8		3		-		-	-	-	-	-	-		
					Middle	4.6	0.1	306	18.1	18.1	8.2	8.2	30.5	30.5	97.9	97.9	-	-	10.8		3		-		-	-	-	-	-	-	-	
						4.6	0.1	331	18.1		8.2		30.5		97.9		-		11.3		4		-		-	-	-	-	-	-	-	
					Bottom	8.2	0.1	301	18.1	18.1	8.2	8.2	30.5	30.5	98.0	98.0	7.7	7.7	12.5		4		-		-	-	-	-	-	-	-	
						8.2	0.1	305	18.1		8.2		30.5		98.0		7.7		12.4		3		-		-	-	-	-	-	-	-	
SR5A	Fine	Calm	07:29	5.2	Surface	1.0	0.1	222	18.3	18.3	8.2	8.2	30.9	30.9	96.4	96.4	7.6	7.6	2.7	2.7	3	3	-	-	-	-	-	-	-			
						1.0	0.1	230	18.3		8.2		30.9		96.4		7.6		2.7		3		-		-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7	-	3	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.2	0.1	231	18.3	18.3	8.2	8.2	31.0	31.0	96.3	96.4	7.5	7.5	2.7		3		-		-	-	-	-	-	-	-	
						4.2	0.1	242	18.3		8.2		31.0		96.4		7.5		2.6		3		-		-	-	-	-	-	-	-	
SR6	Fine	Calm	07:02	4.8	Surface	1.0	0.0	299	18.4	18.4	8.1	8.1	31.3	31.3	93.6	93.6	7.3	7.3	5.8	5.6	2	2	-	-	-	-	-	-	-			
						1.0	0.0	310	18.4		8.1		31.3		93.6		7.3		5.4		<2		-		-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	-	2	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.8	0.1	303	18.4	18.4	8.1	8.1	31.3	31.3	93.6	93.7	7.3	7.3	5.5		<2		-		-	-	-	-	-	-	-	
						3.8	0.1	317	18.4		8.1		31.3		93.7		7.3		5.8		3		-		-	-	-	-	-	-	-	
SR7	Fine	Moderate	07:02	14.4	Surface	1.0	0.1	178	18.4	18.4	8.1	8.1	31.3	31.3	93.9	93.9	7.3	7.3	7.5	9.3	6	8	-	-	-	-	-	-	-			
						1.0	0.1	187	18.4		8.1		31.3		93.9		7.3		7.5		7		-		-	-	-	-	-	-		
					Middle	7.2	0.2	228	18.4	18.4	8.1	8.1	31.3	31.3	93.8	93.9	-	-	9.6		7		-		-	-	-	-	-	-		
						7.2	0.2	228	18.4		8.1		31.3		93.9		-		9.5		8		-		-	-	-	-	-	-		
					Bottom	13.4	0.2	279	18.3	18.3	8.0	8.0	31.4	31.4	94.1	94.2	7.3	7.3	10.8		8		-		-	-						

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 19 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	14:55	8.1	Surface	1.0	0.2	224	17.8	17.8	8.2	8.2	31.9	31.9	103.8	103.8	8.2		5.3		13		83		87	815603	804260	<0.2		1.6						
						1.0	0.2	243	17.8		8.2		31.9		103.7		8.1	8.2	5.2		13		85					<0.2		1.6						
					Middle	4.1	0.1	230	17.8	17.8	8.2	8.2	31.9	31.9	103.7	103.7	8.1		5.0		11		87					<0.2		1.5						
						4.1	0.1	231	17.8		8.2		31.9		103.7		8.2		5.1		12		87					<0.2		1.5						
					Bottom	7.1	0.2	224	17.8	17.8	8.2	8.2	31.9	31.9	103.9	103.9	8.2	8.2	5.2		12		89					<0.2		1.6						
7.1	0.2	237	17.8			8.2		31.9		103.9		8.2		5.2		12		90		<0.2		1.5														
C2	Cloudy	Moderate	13:50	12.1	Surface	1.0	0.2	108	17.9	17.9	8.2	8.2	31.9	31.9	103.2	103.2	8.1		9.5		4		85		86	825685	806957	<0.2		1.6						
						1.0	0.2	108	17.9	17.9	8.2		31.9		103.2		8.1	8.1	9.5		5		84					<0.2		1.8						
					Middle	6.1	0.2	121	17.9	17.9	8.2	8.2	31.9	31.9	103.0	103.0	-		10.9		6		86					<0.2		1.7						
						6.1	0.2	122	17.9		8.2		31.9		103.0		-		11.0	10.3	6		87					<0.2		1.7						
					Bottom	11.1	0.1	127	17.9	17.9	8.2	8.2	31.9	31.9	103.0	103.0	8.1	8.1	10.7		9		87					<0.2		1.6						
11.1	0.1	129	17.9	17.9		8.2		31.9		103.0		8.1		10.4		8		87		<0.2		1.7														
C3	Cloudy	Moderate	15:45	11.8	Surface	1.0	0.5	98	17.7	17.7	8.2	8.2	31.9	31.9	103.8	103.8	8.2		5.6		6		85		86	822124	817823	<0.2		1.6						
						1.0	0.5	98	17.7	17.7	8.2		31.9		103.8		8.2	8.2	5.6		7		84					<0.2		1.8						
					Middle	5.9	0.3	101	17.7	17.7	8.2	8.2	31.9	31.9	103.7	103.7	8.2		5.8		6		86					<0.2		1.8						
						5.9	0.3	107	17.7	17.7	8.2	8.2	31.9	31.9	103.7	103.7	8.2		5.9	5.7	7		86					<0.2		1.7						
					Bottom	10.8	0.2	116	17.7	17.7	8.2	8.2	31.9	31.9	103.8	103.8	8.2	8.2	5.7		6		88					<0.2		1.6						
10.8	0.2	117	17.7	17.7		8.2	8.2	31.9	31.9	103.8	103.8	8.2	8.2	5.7		7		89		<0.2		1.8														
IM1	Cloudy	Moderate	14:37	5.3	Surface	1.0	0.2	208	17.8	17.8	8.2	8.2	31.9	31.9	103.7	103.7	8.1		5.2		10		86		87	817964	807114	<0.2		1.6						
						1.0	0.2	211	17.8	17.8	8.2	8.2	31.9	31.9	103.6	103.6	8.1	8.1	5.1		9		85					<0.2		1.7						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	<0.2		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	<0.2		-	
					Bottom	4.3	0.2	224	17.7	17.7	8.2	8.2	31.9	31.9	103.6	103.7	8.1	8.2	5.0		10		87					<0.2		1.5						
4.3	0.2	234	17.7	17.7		8.2	8.2	31.9	31.9	103.7	103.7	8.2	8.2	5.1		10		88		<0.2		1.7														
IM2	Cloudy	Moderate	14:30	7.4	Surface	1.0	0.1	240	17.8	17.8	8.2	8.2	31.9	31.9	103.4	103.4	8.1		6.1		13		83		86	818156	806180	<0.2		1.7						
						1.0	0.1	250	17.8	17.8	8.2		31.9		103.4		8.1	8.1	6.0		12		85					<0.2		1.6						
					Middle	3.7	0.0	33	17.8	17.8	8.2	8.2	31.9	31.9	103.1	103.1	8.1		6.2		11		86					<0.2		1.7						
						3.7	0.0	33	17.8	17.8	8.2	8.2	31.9	31.9	103.1	103.1	8.1		6.3	6.1	10		85					<0.2		1.5						
					Bottom	6.4	0.1	132	17.8	17.8	8.2	8.2	31.9	31.9	103.3	103.4	8.1	8.1	6.1		11		87					<0.2		1.5						
6.4	0.1	140	17.8	17.8		8.2	8.2	31.9	31.9	103.4	103.4	8.1	8.1	6.1		10		89		<0.2		1.6														
IM3	Cloudy	Moderate	14:25	7.7	Surface	1.0	0.1	68	17.8	17.8	8.2	8.2	31.9	31.9	103.4	103.4	8.1		6.0		12		84		86	818772	805614	<0.2		1.6						
						1.0	0.1	68	17.8	17.8	8.2		31.9		103.3		8.1	8.1	6.1		12		85					<0.2		1.7						
					Middle	3.9	0.0	165	17.8	17.8	8.2	8.2	31.9	31.9	103.3	103.3	8.1		6.2		13		86					<0.2		1.6						
						3.9	0.0	169	17.8	17.8	8.2	8.2	31.9	31.9	103.3	103.3	8.1		6.2	6.0	12		86					<0.2		1.6						
					Bottom	6.7	0.1	152	17.8	17.8	8.2	8.2	31.9	31.9	103.6	103.7	8.1	8.1	5.9		13		86					<0.2		1.6						
6.7	0.1	159	17.8	17.8		8.2	8.2	31.9	31.9	103.7	103.7	8.1	8.1	5.9		14		88		<0.2		1.6														
IM4	Cloudy	Moderate	14:16	7.5	Surface	1.0	0.1	44	17.8	17.8	8.2	8.2	31.9	31.9	103.8	103.8	8.2		5.7		9		83		86	819703	804603	<0.2		1.5						
						1.0	0.2	47	17.8	17.8	8.2		31.9		103.8		8.2	8.2	5.7		10		85					<0.2		1.6						
					Middle	3.8	0.1	135	17.8	17.8	8.2	8.2	31.9	31.9	103.6	103.6	8.1		5.7		10		86					<0.2		1.6						
						3.8	0.1	138	17.8	17.8	8.2		31.9		103.6		8.1		5.7	5.7	11		85					<0.2		1.6						
					Bottom	6.5	0.1	231	17.8	17.8	8.2	8.2	31.9	31.9	103.6	103.6	8.1	8.1	5.6		12		87					<0.2		1.6						
6.5	0.1	242	17.8	17.8		8.2	8.2	31.9	31.9	103.6	103.6	8.1		5.6		13		88		<0.2		1.6														
IM5	Cloudy	Moderate	14:09	7.8	Surface	1.0	0.2	22	18.0	18.0	8.1	8.1	32.0	32.0	101.3	101.3	7.9		5.3		14		83		86	820712	804882	<0.2		1.5						
						1.0	0.2	23	18.0	18.0	8.1		32.0		101.3		7.9	7.9	5.6		13		84					<0.2		1.4						
					Middle	3.9	0.1	135	18.0	18.0	8.1	8.1	32.0	32.0	101.1	101.1	7.9		8.2		11		87					<0.2		1.6						
						3.9	0.2	135	18.0	18.0	8.1		32.0		101.1		7.9		8.2	6.9	11		86					<0.2		1.6						
					Bottom	6.8	0.1	142	18.0	18.0	8.1	8.1	32.0	32.0	101.2	101.2	7.9	7.9	7.3		12		87					<0.2		1.6						
6.8	0.1	144	18.0	18.0		8.1		32.0		101.2		7.9		6.9		12		88		<0.2		1.5														
IM6	Cloudy	Moderate	14:03	7.6	Surface	1.0	0.1	31	18.0	18.0	8.1	8.1	32.0	32.0	101.3	101.3	7.9		6.8		11		83		86	821062	805816	<0.2		1.5						
						1.0	0.1	33	18.0	18.0	8.1		32.0		101.2		7.9	7.1	7.1		11		84					<0.2		1.5						
					Middle	3.8	0.1	164	18.0	18.0	8.1		32.0		101.1		7.9	7.9	8.8		13		86					<0.2		1.6						
						3.8	0.1	172	18.0	18.0	8.1	8.1	32.0	32.0	101.1	101.1	7.9		9.1		13		84					<0.2		1.5						
					Bottom	6.6	0.1	112	18.0	18.0	8.1		32.0		101.1		7.9	7.9	8.5		12		88					<0.2		1.5						
6.6	0.1	113	18.0	18.0		8.1	8.1	32.0	32.0	101.2	101.2	7.9	7.9	8.0		12		89		<0.2		1.5														
IM7	Cloudy	Moderate	13:55	8.2	Surface	1.0	0.0	322	17.9	17.9	8.2	8.2	31.9	31.9	103.2	103.2	8.1		10.3		11		85		86	821352	806851	<0.2		1.5						
						1.0	0.0	338	17.9	17.9	8.2		31.9		103.2		8.1	8.1	10.5		10		83					<0.2		1.6						
					Middle	4.1	0.2	63	17.9	17.9	8.2	8.2	31.9	31.9	103.0	103.0	8.1		12.4		10		86					<0.2		1.6						
						4.1	0.2	68	17.9	17.9	8.2		31.9		103.0		8.1		12.5	11.7	11		85					<0.2		1.6						
					Bottom	7.2	0.2	70	17.9	17.9	8.2	8.2	31.9	31.9	103.0	103.0	8.1	8.1	12.4		10		89					<0.2		1.7						
7.2	0.2	70	17.9	17.9		8.2		31.9		103.0		8.1		12.4		11		86		<0.2		1.7														
IM8	Cloudy	Moderate	14:18	7.8	Surface	1.0	0.1	94	18.0	18.0	8.1	8.1	32.0	32.0	101.2	101.2	7.9		6.0		9		81		83	821807	808127	<0.2		1.5						
						1.0	0.1	98	18.0	18.0	8.1		32.0		101.2		7.9	7.9	6.5		8		81					<0.2		1.5						
					Middle	3.9	0.3	80	18.0	18.0	8.1	8.1	32.0	32.0	101.1	101.1	7.9		8.3		9		83					<0.2		1.5						
						3.9	0.3	85	18.0	18.0	8.1		32.0		101.2		7.9		8.2	7.2	8															

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
IM9	Cloudy	Moderate	14:24	7.5	Surface	1.0	0.3	71	17.8	17.8	8.2	8.2	31.9	31.9	103.3	103.3	8.1	6.5		10		82		822113	808793	<0.2		1.6			
						1.0	0.3	75	17.8		8.2		31.9		103.3		8.1	6.5		11		82		<0.2		1.6					
					Middle	3.8	0.3	89	17.8	17.8	8.2	8.2	31.9	31.9	103.3	103.3	8.1	6.6		11		84		<0.2		1.6					
						3.8	0.3	97	17.8		8.2		31.9		103.3		8.1	6.7		11		85		<0.2	<0.2	1.5		1.6			
					Bottom	6.5	0.3	80	17.7	17.7	8.2	8.2	31.9	31.9	103.5	103.6	8.1	6.7		11		86		<0.2		1.6					
						6.5	0.3	86	17.7		8.2		31.9		103.6		8.1	6.7		11		86		<0.2		1.6					
IM10	Cloudy	Moderate	14:32	7.6	Surface	1.0	0.3	101	17.8	17.8	8.2	8.2	31.9	31.9	103.5	103.5	8.1	6.1		7		83		822362	809783	<0.2		1.7			
						1.0	0.3	107	17.8		8.2		31.9		103.5		8.1	6.1		6		83		<0.2		1.6					
					Middle	3.8	0.2	96	17.8	17.8	8.2	8.2	31.9	31.9	103.4	103.4	8.1	6.2		6		84		<0.2		1.7					
						3.8	0.3	96	17.8		8.2		31.9		103.4		8.1	6.2		5		85		<0.2	<0.2	1.7		1.7			
					Bottom	6.6	0.2	111	17.8	17.8	8.2	8.2	31.9	31.9	103.4	103.4	8.1	6.3		4		85		<0.2		1.7					
						6.6	0.2	120	17.8		8.2		31.9		103.4		8.1	6.4		4		86		<0.2		1.8					
IM11	Cloudy	Moderate	14:45	8.1	Surface	1.0	0.1	89	17.8	17.8	8.2	8.2	31.9	31.9	103.9	103.9	8.2	5.4		5		82		822064	811456	<0.2		1.8			
						1.0	0.1	97	17.8		8.2		31.9		103.8		8.2	5.3		5		82		<0.2		1.9					
					Middle	4.1	0.1	102	17.8	17.8	8.2	8.2	31.9	31.9	103.5	103.5	8.1	4.9		5		85		<0.2		1.7					
						4.1	0.1	110	17.8		8.2		31.9		103.5		8.1	5.0		4		84		<0.2	<0.2	1.8		1.8			
					Bottom	7.1	0.1	107	17.8	17.8	8.2	8.2	31.9	31.9	103.9	103.9	8.2	5.2		4		87		<0.2		1.7					
						7.1	0.1	117	17.8		8.2		31.9		103.9		8.2	5.3		5		85		<0.2		1.8					
IM12	Cloudy	Moderate	14:54	8.4	Surface	1.0	0.2	93	17.9	17.9	8.2	8.2	31.9	31.9	104.2	104.2	8.2	5.6		4		82		821466	812069	<0.2		1.6			
						1.0	0.3	101	17.8		8.2		31.9		104.1		8.2	5.5		4		81		<0.2		1.6					
					Middle	4.2	0.2	115	17.8	17.8	8.2	8.2	31.9	31.9	104.0	104.0	8.2	5.3		6		85		<0.2		1.7					
						4.2	0.2	120	17.8		8.2		31.9		104.0		8.2	5.3		7		84		<0.2	<0.2	1.7		1.7			
					Bottom	7.4	0.2	100	17.8	17.8	8.2	8.2	31.9	31.9	104.1	104.1	8.2	5.4		6		86		<0.2		1.7					
						7.4	0.2	104	17.8		8.2		31.9		104.1		8.2	5.4		5		88		<0.2		1.7					
SR1A	Cloudy	Moderate	15:16	4.7	Surface	1.0	-	-	17.7	17.7	8.2	8.2	31.9	31.9	104.2	104.2	8.2	5.4		5		-		819983	812665	-	-	-			
						1.0	-	-	17.7		8.2		31.9		104.2		8.2	5.3		6		-		-		-	-	-			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-	-	-			
						2.4	-	-	-		-		-		-		-	-		-		-		-		-	-	-			
					Bottom	3.7	-	-	17.7	17.7	8.2	8.2	31.9	31.9	104.4	104.5	8.2	5.5		6		-		-		-		-	-	-	
						3.7	-	-	17.7		8.2		31.9		104.5		8.2	5.7		7		-		-		-		-	-	-	
SR2	Cloudy	Moderate	15:22	4.6	Surface	1.0	0.3	90	17.7	17.7	8.2	8.2	31.9	31.9	104.1	104.1	8.2	5.3		7		85		821456	814159	<0.2		1.7			
						1.0	0.3	91	17.7		8.2		31.9		104.1		8.2	5.3		6		85		<0.2		1.7					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-	<0.2		-		
						-	-	-	-		-		-		-		-	-		-		-		-		-	-	-			
					Bottom	3.6	0.3	85	17.7	17.7	8.2	8.2	31.9	31.9	104.1	104.1	8.2	5.4		6		88		<0.2		1.8					
						3.6	0.3	87	17.7		8.2		31.9		104.1		8.2	5.3		6		89		<0.2		1.7					
SR3	Cloudy	Moderate	14:10	8.6	Surface	1.0	0.3	98	18.0	18.0	8.1	8.1	32.0	32.0	101.5	101.5	7.9	7.6		6		-		822133	807575	-	-	-			
						1.0	0.4	102	18.0		8.1		32.0		101.5		7.9	7.6		6		-		-		-	-	-			
					Middle	4.3	0.4	62	18.0	18.0	8.1	8.1	32.0	32.0	101.9	102.0	-	6.6		7		-		-		-	-	-			
						4.3	0.4	64	18.0		8.1		32.0		102.0		-	6.6		7		-		-		-	-	-			
					Bottom	7.6	0.3	55	18.0	18.0	8.1	8.1	32.0	32.0	102.4	102.5	8.0	6.7		6		-		-		-		-	-		
						7.6	0.4	58	18.0		8.1		32.0		102.5		8.0	6.6		7		-		-		-		-	-		
SR4A	Cloudy	Moderate	15:16	8.8	Surface	1.0	0.3	91	18.0	18.0	8.2	8.2	32.0	32.0	102.1	102.1	8.0	5.1		12		-		817193	807815	-	-	-			
						1.0	0.3	95	18.0		8.2		32.0		102.0		8.0	5.2		12		-		-		-	-	-			
					Middle	4.4	0.3	102	18.0	18.0	8.2	8.2	32.0	32.0	101.8	101.9	8.0	5.7		11		-		-		-	-	-			
						4.4	0.3	106	18.0		8.2		32.0		101.9		8.0	5.8		10		-		-		-	-	-			
					Bottom	7.8	0.2	73	18.0	18.0	8.2	8.2	32.0	32.0	102.1	102.2	8.0	5.7		11		-		-		-	-	-			
						7.8	0.2	74	18.0		8.2		32.0		102.2		8.0	5.6		12		-		-		-	-	-			
SR5A	Cloudy	Moderate	15:36	4.9	Surface	1.0	0.1	337	18.0	18.0	8.2	8.2	32.0	32.0	102.3	102.3	8.0	5.0		14		-		816610	810711	-	-	-			
						1.0	0.1	337	18.0		8.2		32.0		102.2		8.0	5.0		13		-		-		-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-	-	-			
						-	-	-	-		-		-		-		-	-		-		-		-		-	-	-			
					Bottom	3.9	0.1	104	18.0	18.0	8.2	8.2	32.0	32.0	101.9	101.9	8.0	5.9		10		-		-		-		-	-		
						3.9	0.1	107	18.0		8.2		32.0		101.9		8.0	5.9		9		-		-		-		-	-		
SR6	Cloudy	Moderate	16:00	4.6	Surface	1.0	0.1	52	18.0	18.0	8.2	8.2	32.0	32.0	102.2	102.2	8.0	5.0		13		-		817919	814676	-	-	-			
						1.0	0.1	52	18.0		8.2		32.0		102.2		8.0	5.0		13		-		-		-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-	-	-			
						-	-	-	-		-		-		-		-	-		-		-		-		-	-	-			
					Bottom	3.6	0.1	71	18.0	18.0	8.2	8.2	32.0	32.0	102.1	102.1	8.0	5.2		13		-		-		-		-	-		
						3.6	0.1	77	18.0		8.2		32.0		102.1		8.0	5.2		12		-		-		-		-	-		
SR7	Cloudy	Moderate	16:13	16.2	Surface	1.0	0.5	82	17.7	17.7	8.2	8.2	31.9	31.9	103.8	103.8	8.2	5.7		6		-		823619	823746	-	-	-			
						1.0	0.5	83	17.7		8.2		31.9		103.8		8.2	5.8		6		-		-		-	-	-			
					Middle	8.1	0.3	72	17.7	17.7	8.2	8.2	31.9	31.9	103.7	103.7	-	5.9		10		-		-		-	-	-			
						8.1	0.3	76	17.7		8.2		31.9		103.7		-	5.8		10		-		-		-	-	-			
					Bottom	15.2	0.1	89	17.7	17.7	8.2	8.2	31.9	31.9	103.8	103.8	8.2	5.8		14		-		-		-		-	-		
						15.2	0.1	91	17.7		8.2		31.9		103.8		8.2	5.6		14		-		-		-		-	-		
SR8	Cloudy	Moderate	15:05	5.2	Surface	1.0	-	-	18.0	18.0	8.2	8.2	32.0	32.0	102.4	102.4	8.0	5.1		4		-		820394	811629	-	-	-			
						1.0	-	-	18.0		8.2		32.0		102.4		8.0	5.1		5		-		-		-	-	-			
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-		-	-	-			
						-	-	-	-		-		-		-		-	-		-		-		-		-	-	-			
					Bottom	4.2	-	-	18.0	18.0	8.2	8.2	32.0	32.0	102.6	102.7	8.0	6.0		6		-		-		-					

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 19 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
C1	Cloudy	Moderate	10:04	8.1	Surface	1.0	0.3	33	17.9	17.9	8.2	8.2	31.9	31.9	98.6	98.6	7.7		4.8		10		84		815621	804254	<0.2		1.5				
						1.0	0.4	33	17.9		8.2		31.9		98.6		7.7	7.7	4.7		11		83				<0.2		1.6				
					Middle	4.1	0.5	29	17.9	17.9	8.2	8.2	31.9	31.9	98.5	98.5	-	-	4.6		9	10	85				<0.2	<0.2	1.6				
						4.1	0.5	31	17.9		8.2		31.9		98.4		-	-	4.6		10		86				<0.2		1.5				
					Bottom	7.1	0.4	27	17.9	17.9	8.2	8.2	31.9	31.9	98.1	98.1	7.7	7.7	4.6	7.7	10		87				<0.2		1.6				
						7.1	0.4	29	17.9		8.2		31.9		98.1		7.7		4.6		8		88				<0.2		1.6				
C2	Cloudy	Moderate	10:58	11.8	Surface	1.0	0.2	4	18.1	18.1	8.1	8.1	31.7	31.7	96.9	97.0	7.6		5.4		14		85		825703	806939	<0.2		1.6				
						1.0	0.2	4	18.1		8.1		31.7		97.0		7.6	7.7	5.4		14		85				<0.2		1.6				
					Middle	5.9	0.2	22	18.1	18.1	8.1	8.1	31.7	31.7	97.9	98.1	7.7		6.0		9	10	87				<0.2	<0.2	1.8				
						5.9	0.2	24	18.1		8.1		31.7		98.2		7.7		6.0		9		88				<0.2		1.7				
					Bottom	10.8	0.1	9	18.1	18.1	8.1	8.1	31.7	31.7	99.2	99.3	7.8	7.8	8.4	7.8	7		91				<0.2		1.8				
						10.8	0.1	9	18.1		8.1		31.7		99.4		7.8		8.4		6		91				<0.2		1.7				
C3	Cloudy	Moderate	08:58	11.8	Surface	1.0	0.2	243	17.9	17.9	8.1	8.1	31.6	31.6	95.9	95.9	7.5		4.9		6		85		822132	817811	<0.2		1.6				
						1.0	0.2	260	17.9		8.1		31.6		95.9		7.5	7.5	5.2		5		86				<0.2		1.6				
					Middle	5.9	0.3	250	18.0	18.0	8.1	8.1	31.5	31.5	95.7	95.7	7.5		5.6		5	5	88				<0.2	<0.2	1.7				
						5.9	0.3	250	18.0		8.1		31.5		95.7		7.5		5.5		4		88				<0.2		1.6				
					Bottom	10.8	0.4	255	17.9	17.9	8.1	8.1	31.6	31.6	95.8	95.8	7.5	7.5	7.1	7.5	4		86				<0.2		1.5				
						10.8	0.4	270	17.9		8.1	8.1	31.7	31.6	95.7	95.8	7.5	7.5	7.2		4		86				<0.2		1.7				
IM1	Cloudy	Moderate	10:23	5.2	Surface	1.0	0.0	42	18.0	18.0	8.2	8.2	31.8	31.8	97.6	97.6	7.6		5.0		14		85		817951	807143	<0.2		1.7				
						1.0	0.0	43	18.0		8.2		31.8		97.6		7.6	7.6	5.0		14		83				<0.2		1.5				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2		-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2		-	
					Bottom	4.2	0.1	344	17.9	17.9	8.2	8.2	31.9	31.9	98.0	98.1	7.7	7.7	4.8		9		90				<0.2		1.5				
						4.2	0.1	316	17.9	17.9	8.2	8.2	31.9	31.9	98.1	98.1	7.7	7.7	4.8	8		88				<0.2		1.7					
IM2	Cloudy	Moderate	10:30	7.6	Surface	1.0	0.2	333	18.0	18.0	8.2	8.2	31.8	31.8	97.2	97.3	7.6		4.7		11		82		818173	806177	<0.2		1.5				
						1.0	0.2	340	18.0		8.2		31.8		97.3		7.6	7.6	4.7		12		83				<0.2		1.8				
					Middle	3.8	0.3	21	17.9	17.9	8.2	8.2	31.9	31.9	97.4	97.3	7.6		4.6		11	12	86				<0.2	<0.2	1.6				
						3.8	0.3	22	17.9		8.2		31.9		97.2		7.6		4.6		11		86				<0.2		1.7				
					Bottom	6.6	0.2	17	17.9	17.9	8.1	8.1	31.9	31.8	96.7	96.7	7.6	7.6	4.7	7.6	13		89				<0.2		1.7				
						6.6	0.2	17	17.9		8.1	8.1	31.8	31.8	96.6	96.7	7.6	7.6	4.7	14		87				<0.2		1.7					
IM3	Cloudy	Moderate	10:39	7.8	Surface	1.0	0.2	21	17.9	17.9	8.1	8.1	31.8	31.8	96.8	96.9	7.6		4.6		10		85		818788	805582	<0.2		1.8				
						1.0	0.2	21	17.9		8.1		31.8		96.9		7.6	7.6	4.7		10		83				<0.2		1.7				
					Middle	3.9	0.3	11	18.0	18.0	8.1	8.1	31.8	31.8	96.9	96.9	7.6		4.7		12	11	86				<0.2	<0.2	1.7				
						3.9	0.3	11	18.0		8.1		31.8		96.8		7.6		4.7		12		87				<0.2		1.8				
					Bottom	6.8	0.2	36	17.9	17.9	8.1	8.1	31.8	31.8	96.6	96.6	7.6	7.6	4.7	7.6	11		90				<0.2		1.7				
						6.8	0.2	37	17.9		8.1	8.1	31.8	31.8	96.6	96.6	7.6	7.6	4.7	10		88				<0.2		1.6					
IM4	Cloudy	Moderate	10:51	7.4	Surface	1.0	0.2	6	18.1	18.1	8.1	8.1	31.7	31.7	96.0	96.0	7.5		5.9		3		85		819709	804603	<0.2		1.7				
						1.0	0.2	6	18.1		8.1		31.7		96.0		7.5	7.6	5.9		2		85				<0.2		1.8				
					Middle	3.7	0.2	347	18.0	18.0	8.1	8.1	31.7	31.7	97.5	97.7	7.6		5.9		4	3	86				<0.2	<0.2	1.8				
						3.7	0.2	319	18.0		8.1		31.7		97.8		7.7		5.8		3		87				<0.2		1.6				
					Bottom	6.4	0.3	359	18.0	18.0	8.1	8.1	31.7	31.7	99.7	99.9	7.8	7.8	5.8		2		89				<0.2		1.6				
						6.4	0.3	330	18.0		8.1		31.7		100.0		7.8		5.8	4		90				<0.2		1.6					
IM5	Cloudy	Moderate	10:57	7.5	Surface	1.0	0.4	14	18.1	18.1	8.1	8.1	31.7	31.7	95.2	95.2	7.4		5.8		4		85		820719	804864	<0.2		1.6				
						1.0	0.4	15	18.1		8.1		31.7		95.2		7.4	7.4	5.7		3		85				<0.2		1.6				
					Middle	3.8	0.4	10	18.1	18.1	8.1	8.1	31.7	31.7	95.1	95.1	7.4		5.9		4	4	88				<0.2	<0.2	1.7				
						3.8	0.4	10	18.1		8.1		31.7		95.1		7.4		6.0		4		88				<0.2		1.7				
					Bottom	6.5	0.3	19	18.1	18.1	8.1	8.1	31.7	31.7	95.3	95.4	7.5	7.5	6.1		4		89				<0.2		1.8				
						6.5	0.3	20	18.1		8.1		31.7		95.4		7.5		6.1	3		89				<0.2		1.7					
IM6	Cloudy	Moderate	11:08	7.6	Surface	1.0	0.4	84	18.1	18.2	8.1	8.1	31.8	31.8	96.1	96.1	7.5		5.9		4		83		821078	805815	<0.2		1.6				
						1.0	0.4	84	18.1		8.1		31.8		96.1		7.5	7.5	5.9		4		83				<0.2		1.6				
					Middle	3.8	0.2	71	18.1	18.1	8.1	8.1	31.7	31.7	95.8	95.9	7.5		6.1		5	5	85				<0.2	<0.2	1.6				
						3.8	0.3	75	18.1		8.1		31.7		95.9		7.5		6.1		5		85				<0.2		1.8				
					Bottom	6.6	0.2	84	18.1	18.1	8.1	8.1	31.7	31.7	96.0	96.0	7.5	7.5	6.2		6		89				<0.2		1.7				
						6.6	0.2	89	18.1		8.1		31.7		96.0		7.5	7.5	6.2	5		88				<0.2		1.7					
IM7	Cloudy	Moderate	11:14	8.1	Surface	1.0	0.1	122	18.1	18.1	8.1	8.1	31.8	31.8	96.2	96.2	7.5		6.2		9		85		821357	806812	<0.2		1.6				
						1.0	0.1	127	18.1		8.1		31.8		96.2		7.5	7.5	6.1		9		84				<0.2		1.8				
					Middle	4.1	0.2	96	18.2	18.2	8.1	8.1	31.8	31.8	96.3	96.3	7.5		5.9		7	8	85				<0.2	<0.2	1.7				
						4.1	0.2	99	18.2		8.1		31.8		96.3		7.5		5.9		7		86				<0.2		1.6				
					Bottom	7.1	0.1	69	18.2	18.2	8.1	8.1	31.8	31.8	96.4	96.4	7.5	7.5	5.9		7		87				<0.2		1.7				
						7.1	0.1	70	18.2		8.1		31.8		96.4		7.5	7.5	6.0	8		88				<0.2		1.7					
IM8	Cloudy	Moderate	10:23	7.6	Surface	1.0	0.1	100	18.1	18.1	8.1	8.1	31.7	31.7	94.8	94.8	7.4		4.4		6		83		821813	808116	<0.2		2.0				
						1.0	0.1	100	18.1		8.1		31.7		94.8		7.4	7.4	4.4		5		84				<0.2		1.9				
					Middle	3.8	0.2	68	18.1	18.1	8.1	8.1	31.7	31.7	94.8	94.8	7.4		6.2		5	6	86				<0.2	<0.2	2.0				

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 19 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
IM9	Cloudy	Moderate	10:22	7.2	Surface	1.0	0.1	340	18.1	18.1	8.1	8.1	31.7	31.7	95.0	95.0	7.4	5.2	4	83			86	822082	808830	<0.2	1.8				
						1.0	0.1	313	18.1		8.1		31.7		95.0		7.4	5.2		4		82					<0.2	1.8			
					Middle	3.6	0.1	22	18.1	18.1	8.1	8.1	31.7	31.7	94.9	94.9	7.4	6.0	4.9	6	7	85						<0.2	1.8		
						3.6	0.1	22	18.1		8.1		31.7		94.9		7.4	6.0		7		86						<0.2	1.9		
					Bottom	6.2	0.2	67	18.0	18.0	8.1	8.1	31.7	31.7	95.1	95.1	7.4	3.6		10		89						<0.2	1.8		
						6.2	0.2	72	18.0		8.1		31.7		95.1		7.4	3.6		11		89						<0.2	1.9		
IM10	Cloudy	Moderate	10:12	7.4	Surface	1.0	0.2	331	17.9	17.9	8.1	8.1	31.8	31.8	96.8	96.9	7.6	6.6	10	81			86	822405	809793	<0.2	1.7				
						1.0	0.3	335	17.9		8.1		31.8		96.9		7.6	6.6		8		80					<0.2	1.8			
					Middle	3.7	0.3	320	18.0	18.0	8.1	8.1	31.8	31.8	97.4	97.4	7.6	5.4	5.6	10	9	85						<0.2	1.9		
						3.7	0.3	330	18.0		8.1		31.8		97.4		7.6	5.4		9		86						<0.2	1.9		
					Bottom	6.4	0.2	309	17.9	17.9	8.1	8.1	31.8	31.8	96.9	96.9	7.6	4.9		8		92						<0.2	1.9		
						6.4	0.2	313	17.9		8.1		31.8		96.9		7.6	4.9		7		92						<0.2	1.8		
IM11	Cloudy	Moderate	10:00	7.9	Surface	1.0	0.3	270	17.9	17.9	8.1	8.1	31.8	31.8	97.5	97.6	7.6	4.8	8	82			86	822055	811460	<0.2	1.9				
						1.0	0.3	290	17.9		8.1		31.8		97.6		7.7	4.8		8		81					<0.2	1.8			
					Middle	4.0	0.3	287	17.9	17.9	8.1	8.1	31.9	31.9	99.2	99.3	7.8	8.8	7.1	7	7	86						<0.2	1.8		
						4.0	0.3	304	17.9		8.1		31.9		99.4		7.8	8.8		6		86						<0.2	1.7		
					Bottom	6.9	0.2	288	17.9	17.9	8.1	8.1	31.9	31.9	100.2	100.4	7.9	7.8		6		89						<0.2	1.8		
						6.9	0.2	297	17.9		8.1		31.9		100.6		7.9	7.8		5		88						<0.2	1.7		
IM12	Cloudy	Moderate	09:56	8.2	Surface	1.0	0.3	268	17.9	17.9	8.2	8.2	31.9	31.9	98.3	98.4	7.7	3.2	5	84			88	821451	812055	<0.2	1.7				
						1.0	0.3	270	17.9		8.2		31.9		98.4		7.7	3.2		5		84					<0.2	1.8			
					Middle	4.1	0.3	260	17.9	17.9	8.2	8.2	31.9	31.9	98.1	98.1	7.7	6.4	5.0	4	6	88						<0.2	1.6		
						4.1	0.3	272	17.9		8.2		31.9		98.1		7.7	6.4		5		89						<0.2	1.8		
					Bottom	7.2	0.2	254	17.9	17.9	8.2	8.2	31.9	31.9	97.5	97.5	7.6	5.5		7		91						<0.2	1.8		
						7.2	0.2	277	17.9		8.2		31.9		97.4		7.6	5.5		7		91						<0.2	1.7		
SR1A	Cloudy	Moderate	09:34	4.8	Surface	1.0	-	-	18.1	18.1	8.1	8.1	31.6	31.6	93.8	93.8	7.3	5.1	6	-	-			-	819970	812655	-	1.8			
						1.0	-	-	18.1		8.1		31.6		93.8		7.3	5.2		5	-	-		-				-	1.7		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	5.3	-	6	-	-			-	-		
						2.4	-	-	-		-		-		-		-	-			-	-	-	-			-	-			
					Bottom	3.8	-	-	18.1	18.1	8.1	8.1	31.6	31.6	94.0	94.1	7.4	5.6		7	-	-		-			-	-			
						3.8	-	-	18.1		8.1		31.6		94.1		7.4	5.5		6	-	-		-			-	-			
SR2	Cloudy	Moderate	09:18	4.6	Surface	1.0	0.1	306	18.1	18.1	8.1	8.1	31.6	31.6	95.2	95.3	7.5	5.6	6	86			85	821449	814157	<0.2	1.7				
						1.0	0.1	329	18.1		8.1		31.6		95.4		7.5	5.4		5		85						<0.2	1.7		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	7.5	-	5.4	-	6	-	-			-	-		
						-	-	-	-		-		-		-		-	-			-	-	-	-			-	-			
					Bottom	3.6	0.1	286	18.1	18.1	8.1	8.1	31.6	31.6	97.8	97.9	7.7	5.2		7		87						<0.2	1.8		
						3.6	0.1	289	18.1		8.1		31.6		98.0		7.7	5.3		6		86						<0.2	1.8		
SR3	Cloudy	Moderate	10:38	8.2	Surface	1.0	0.4	88	18.1	18.1	8.1	8.1	31.7	31.7	94.7	94.7	7.4	9.0	5	-	-			-	822125	807586	-	-			
						1.0	0.4	95	18.1		8.1		31.7		94.7		7.4	9.4		4	-	-		-				-	-		
					Middle	4.1	0.4	60	18.1	18.1	8.1	8.1	31.7	31.7	94.7	94.7	7.4	8.2	7.9	6	6	-	-	-			-	-			
						4.1	0.4	63	18.1		8.1		31.7		94.7		7.4	8.2		7		-	-	-			-	-			
					Bottom	7.2	0.2	41	18.1	18.1	8.1	8.1	31.7	31.7	94.8	94.8	7.4	6.2		7	-	-		-			-	-			
						7.2	0.3	41	18.1		8.1		31.7		94.8		7.4	6.2		6	-	-		-			-	-			
SR4A	Cloudy	Moderate	09:44	8.6	Surface	1.0	0.2	121	17.9	17.9	8.2	8.2	31.9	31.9	98.8	98.9	7.8	4.8	3	-	-			-	817207	807829	-	-			
						1.0	0.2	129	17.9		8.2		31.9		98.9		7.8	4.7		4	-	-		-				-	-		
					Middle	4.3	0.3	93	17.9	17.9	8.2	8.2	31.9	31.9	99.0	99.0	7.8	4.6	4.6	6	5	-	-	-			-	-			
						4.3	0.3	94	17.8		8.2		31.9		99.0		7.8	4.6		7		-	-	-			-	-			
					Bottom	7.6	0.4	90	17.8	17.8	8.2	8.2	31.9	31.9	98.7	98.7	7.7	4.5		5	-	-		-			-	-			
						7.6	0.4	94	17.8		8.2		31.9		98.7		7.7	4.6		5	-	-		-			-	-			
SR5A	Cloudy	Moderate	09:29	5.2	Surface	1.0	0.1	85	18.1	18.1	8.1	8.1	31.6	31.6	93.5	93.5	7.3	9.4	6	-	-			-	816610	810709	-	-			
						1.0	0.1	86	18.1		8.1		31.6		93.4		7.3	9.2		5	-	-		-				-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	9.6	-	-	-			-	-			
						-	-	-	-		-		-		-		-	-			-	-	-	-			-	-			
					Bottom	4.2	0.0	87	18.1	18.1	8.1	8.1	31.6	31.6	93.4	93.4	7.3	9.8		9	-	-		-			-	-			
						4.2	0.0	92	18.1		8.1		31.6		93.4		7.3	10.0		8	-	-		-			-	-			
SR6	Cloudy	Moderate	09:02	4.8	Surface	1.0	0.1	141	18.1	18.1	8.1	8.1	31.6	31.6	93.5	93.5	7.3	9.9	7	-	-			-	817875	814646	-	-			
						1.0	0.1	144	18.1		8.1		31.6		93.5		7.3	9.7		7	-	-		-				-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	10.6	-	9	-	-			-	-		
						-	-	-	-		-		-		-		-	-			-	-	-	-			-	-			
					Bottom	3.8	0.1	94	18.1	18.1	8.1	8.1	31.6	31.6	93.5	93.5	7.3	7.3	11.3		11	-	-					-	-		
						3.8	0.1	95	18.1		8.1		31.6		93.5		7.3	11.4		12	-	-		-				-	-		
SR7	Cloudy	Moderate	08:31	16.2	Surface	1.0	0.1	12	18.1	18.1	8.1	8.1	31.6	31.6	93.6	93.6	7.3	6.9	13	-	-			-	823637	823759	-	-			
						1.0	0.1	12	18.1		8.1		31.6		93.6		7.3	6.9		12	-	-		-				-	-		
					Middle	8.1	0.0	256	18.1	18.1	8.1	8.1	31.6	31.6	93.6	93.6	7.3	10.3	9.9	14	-	-			-			-	-		
						8.1	0.0	260	18.1		8.1		31.6		93.6		7.3	10.4		13	-	-		-				-	-		
					Bottom	15.2	0.4	227	18.1	18.1	8.0	8.0	31.6	31.6	93.7	93.8	7.3	7.3	12.3		14	-	-					-	-		
						15.2	0.4	230	18.1		8.0		31.6		93.8		7.3	12.3		13	-	-		-				-	-		
SR8	Cloudy	Moderate	09:43	5.2	Surface	1.0	-	-	17.9	17.9	8.1	8.1	31.9	31.9	100.2	100.4	7.9	5.9	11	-	-			-	820385	811616	-	-			
						1.0	-	-	17.9		8																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 January 19 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	16:48	8.3	Surface	1.0	0.2	221	18.3	18.3	8.2	8.2	31.9	31.9	112.5	112.5	8.8	8.4	8.8	6	84	86	86	86	86	815601	804264	<0.2	1.4	1.4				
						1.0	0.2	224	18.3	18.3	8.2	8.2	31.9	31.9	112.4	112.4	8.8	8.4	8.8	5	86	86	86	86				<0.2	1.4					
					Middle	4.2	0.1	234	18.3	18.4	8.2	8.2	31.8	31.8	112.4	112.5	8.7	7.0	8.7	4	86	86	86	86				<0.2	1.4		1.4			
						4.2	0.1	242	18.4	18.4	8.2	8.2	31.8	31.8	112.5	112.5	8.7	7.0	8.7	5	86	86	86	86				<0.2	1.4					
					Bottom	7.3	0.2	226	18.5	18.5	8.2	8.2	31.9	31.9	112.8	112.7	8.7	11.0	8.7	5	88	88	88	88				<0.2	1.4		1.4			
						7.3	0.2	235	18.5	18.5	8.2	8.2	31.9	31.9	112.6	112.7	8.7	11.0	8.7	5	87	87	87	87				<0.2	1.3					
C2	Cloudy	Moderate	15:36	12.3	Surface	1.0	0.2	60	18.1	18.1	8.2	8.2	31.8	31.8	110.2	110.2	8.6	8.9	8.6	5	85	85	85	85	88	825692	806939	<0.2	0.4	1.2				
						1.0	0.2	60	18.1	18.1	8.2	8.2	31.8	31.8	110.2	110.2	8.6	8.9	8.6	4	85	85	85	85				<0.2	1.4					
					Middle	6.2	0.2	65	18.1	18.1	8.2	8.2	31.8	31.8	109.1	109.1	8.5	4.1	8.5	5	89	89	89	89				<0.2	1.3		1.3			
						6.2	0.2	66	18.1	18.1	8.2	8.2	31.8	31.8	109.1	109.1	8.5	4.1	8.5	5	90	90	90	90				<0.2	1.3					
					Bottom	11.3	0.1	70	18.0	18.0	8.2	8.2	31.8	31.8	108.9	108.9	8.5	4.2	8.5	6	89	89	89	89				<0.2	1.3		1.3			
						11.3	0.1	71	18.0	18.0	8.2	8.2	31.8	31.8	109.0	109.0	8.5	4.2	8.5	5	88	88	88	88				<0.2	1.3					
C3	Cloudy	Moderate	17:31	12.0	Surface	1.0	0.5	99	18.4	18.4	8.2	8.2	31.7	31.7	101.9	102.0	7.9	4.1	7.9	4	87	85	87	85	88	822094	817810	<0.2	1.4	1.3				
						1.0	0.5	106	18.4	18.4	8.2	8.2	31.7	31.7	102.0	102.0	7.9	4.2	7.9	4	85	85	85	85				<0.2	1.3					
					Middle	6.0	0.2	100	18.2	18.2	8.2	8.2	31.8	31.8	102.9	102.9	8.0	4.5	8.0	7	87	88	87	88				<0.2	1.3		1.3			
						6.0	0.2	106	18.2	18.2	8.2	8.2	31.8	31.8	102.9	102.9	8.0	4.6	8.0	6	88	88	88	88				<0.2	1.3					
					Bottom	11.0	0.2	112	18.2	18.2	8.2	8.2	31.8	31.8	102.1	102.1	8.0	4.7	8.0	8	89	89	89	89				<0.2	1.3		1.3			
						11.0	0.2	119	18.2	18.2	8.2	8.2	31.8	31.8	102.0	102.1	8.0	4.7	8.0	7	90	90	90	90				<0.2	1.3					
IM1	Cloudy	Moderate	16:36	5.2	Surface	1.0	0.2	200	18.1	18.1	8.2	8.2	31.9	31.9	110.7	110.7	8.6	6.0	8.6	6	87	86	87	86	88	817960	807127	<0.2	1.4	1.4				
						1.0	0.2	209	18.1	18.1	8.2	8.2	31.9	31.9	110.6	110.6	8.6	6.0	8.6	6	86	86	86	86				<0.2	1.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.3	-	-	-	-				-	-		-	<0.2	-	1.4
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	
					Bottom	4.2	0.2	221	18.1	18.1	8.2	8.2	31.8	31.8	110.5	110.6	8.6	8.5	8.6	7	89	89	89	89				<0.2	1.4		1.4			
						4.2	0.2	233	18.1	18.1	8.2	8.2	31.8	31.8	110.6	110.6	8.6	8.5	8.6	6	89	89	89	89				<0.2	1.4					
IM2	Cloudy	Moderate	16:25	7.6	Surface	1.0	0.1	244	18.7	18.7	8.2	8.2	31.8	31.8	112.6	112.5	8.7	6.0	8.7	7	84	85	84	85	87	818164	806156	<0.2	1.4	1.4				
						1.0	0.1	246	18.6	18.6	8.2	8.2	31.9	31.8	112.4	112.4	8.7	6.0	8.7	6	85	86	85	86				<0.2	1.4					
					Middle	3.8	0.0	36	18.2	18.2	8.2	8.2	31.9	31.9	110.0	109.9	8.6	8.4	8.6	6	86	86	86	86				<0.2	1.3		1.3			
						3.8	0.0	38	18.1	18.1	8.2	8.2	31.9	31.9	109.7	109.9	8.6	8.4	8.6	4	88	88	88	88				<0.2	1.4					
					Bottom	6.6	0.1	134	18.2	18.3	8.2	8.2	31.8	31.8	110.2	110.3	8.6	9.6	8.6	5	89	89	89	89				<0.2	1.4		1.4			
						6.6	0.1	141	18.3	18.3	8.2	8.2	31.8	31.8	110.4	110.3	8.6	9.4	8.6	4	90	90	90	90				<0.2	1.4					
IM3	Cloudy	Moderate	16:17	7.5	Surface	1.0	0.1	72	18.2	18.2	8.2	8.2	31.8	31.8	111.3	111.2	8.7	5.2	8.7	5	85	86	85	86	88	818781	805570	<0.2	1.4	1.4				
						1.0	0.1	76	18.2	18.2	8.2	8.2	31.8	31.8	111.1	111.2	8.7	5.2	8.7	6	86	86	86	86				<0.2	1.3					
					Middle	3.8	0.0	166	18.1	18.1	8.2	8.2	31.8	31.8	109.3	109.2	8.5	6.9	8.5	7	89	89	89	89				<0.2	1.4		1.4			
						3.8	0.0	177	18.1	18.1	8.2	8.2	31.8	31.8	109.1	109.2	8.5	6.8	8.5	6	90	90	90	90				<0.2	1.4					
					Bottom	6.5	0.1	150	18.0	18.0	8.2	8.2	31.8	31.8	108.7	108.8	8.5	8.4	8.5	6	88	88	88	88				<0.2	1.4		1.4			
						6.5	0.1	154	18.0	18.0	8.2	8.2	31.8	31.8	108.9	108.8	8.5	8.4	8.5	5	89	89	89	89				<0.2	1.4					
IM4	Cloudy	Moderate	16:08	7.8	Surface	1.0	0.1	43	18.3	18.3	8.2	8.2	31.8	31.8	112.3	112.3	8.7	5.1	8.7	5	80	86	80	86	86	819728	804625	<0.2	1.4	1.4				
						1.0	0.1	44	18.3	18.3	8.2	8.2	31.8	31.8	112.2	112.3	8.7	5.1	8.7	6	86	86	86	86				<0.2	1.4					
					Middle	3.9	0.1	131	18.1	18.1	8.2	8.2	31.8	31.8	109.6	109.6	8.6	8.4	8.6	8	84	88	84	88				<0.2	1.4		1.4			
						3.9	0.1	133	18.1	18.1	8.2	8.2	31.8	31.8	109.6	109.6	8.6	8.4	8.6	7	88	88	88	88				<0.2	1.4					
					Bottom	6.8	0.1	237	18.1	18.1	8.2	8.2	31.8	31.8	110.9	111.0	8.7	7.3	8.7	8	88	88	88	88				<0.2	1.4		1.4			
						6.8	0.1	253	18.1	18.1	8.2	8.2	31.8	31.8	111.1	111.1	8.7	7.3	8.7	9	90	90	90	90				<0.2	1.4					
IM5	Cloudy	Moderate	15:58	7.6	Surface	1.0	0.2	25	18.3	18.3	8.2	8.2	31.8	31.8	111.4	111.4	8.7	4.4	8.7	6	84	85	84	85	88	820712	804868	<0.2	1.4	1.4				
						1.0	0.2	27	18.3	18.3	8.2	8.2	31.8	31.8	111.3	111.3	8.7	4.4	8.7	7	85	85	85	85				<0.2	1.3					
					Middle	3.8	0.1	33	18.2	18.2	8.2	8.2	31.8	31.8	109.8	109.7	8.6	5.8	8.6	6	90	90	90	90				<0.2	1.4		1.4			
						3.8	0.1	36	18.2	18.2	8.2	8.2	31.8	31.8	109.6	109.6	8.5	5.8	8.5	5	89	89	89	89				<0.2	1.4					
					Bottom	6.6	0.1	40	18.2	18.2	8.2	8.2	31.8	31.8	107.9	107.9	8.4	7.0	8.4	7	84	89	84	89				<0.2	1.4		1.4			
						6.6	0.1	41	18.2	18.2	8.2	8.2	31.8	31.8	107.8	107.8	8.4	7.2	8.4	4	89	89	89	89				<0.2	1.4					
IM6	Cloudy	Moderate	15:45	7.4	Surface	1.0	0.1	32	18.2	18.2	8.2	8.2	31.8	31.8	110.8	110.8	8.6	7.0	8.6	6	84	86	84	86	88	821045	805816	<0.2	1.4	1.4				
						1.0	0.1	34	18.1	18.1	8.2	8.2	31.8	31.8	110.8	110.8	8.6	7.0	8.6	5	86	86	86	86				<0.2	1.4					
					Middle	3.7	0.1	161	18.1	18.1	8.2	8.2	31.8	31.8	110.7	110.7	8.6	6.4	8.6	7	87	87	87	87				<0.2	1.4		1.4			
						3.7	0.1	164	18.1	18.1	8.2	8.2	31.8	31.8	110.7	110.7	8.6	6.4	8.6	6	87	87	87	87				<0.2	1.4					
					Bottom	6.4	0.1	111	18.1	18.1	8.2	8.2	31.8	31.8	110.7	110.7	8.6	8.8	8.6	5	90	90	90	90				<0.2	1.4		1.4			
						6.4	0.1	116	18.1	18.1	8.2	8.2	31.8	31.8	110.7	110.7	8.6	8.8	8.6	4	91	91	91	91				<0.2	1.4					
IM7	Cloudy	Moderate	15:36	8.0	Surface	1.0	0.0	321	18.1	18.1	8.2	8.2	31.8	31.8	110.7	110.7	8.6	6.0	8.6	4	85	86	85	86	87	821361	806836	<0.2	1.4	1.4				
						1.0	0.0	333	18.1	18.1	8.2	8.2	31.8	31.8	110.7	110.7	8.6	6.6	8.6	4	84	84	84	84				<0.2	1.4					
					Middle	4.0	0.2	66	18.1	18.1	8.2	8.2	31.8	31.8	110.1	110.1	8.6	10.1	8.6	4	89	89	89	89				<0.2	1.3		1.3			
						4.0	0.2	72	18.1	18.1	8.2	8.2	31.8	31.8	110.1	110.1	8.6	10.1	8.6	6	88	88	88	88				<0.2	1.4					
					Bottom	7.0	0.1	72	18.1	18.1	8.2	8.2	31.8	31.8	110.2	110.2	8.6	8.6	8.6	4	90	90	90	90				<0.2	1.4		1.5			
						7.0	0.2	72	18.1	18.1	8.2	8.2	31.8	31.8	110.2	110.2	8.6	8.6	8.6	3	88	88	88	88				<0.2	1.5					
IM8																																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	16:11	7.4	Surface	1.0	0.3	74	18.3	18.3	8.2	8.2	31.8	31.8	112.3	112.2	8.7	3.9		6		82		822116	808822			<0.2	1.2					
						1.0	0.3	77	18.2	18.2	8.2	8.2	31.8	31.8	112.1		8.7	3.9		5		83						<0.2	1.3					
					Middle	3.7	0.3	80	18.2	18.2	8.2	8.2	31.8	31.8	111.4	111.4	8.7	5.4		7		89						<0.2	1.3					
						3.7	0.3	81	18.2	18.2	8.2	8.2	31.8	31.8	111.4	111.4	8.7	5.4		6	6	88						<0.2	1.3					
					Bottom	6.4	0.3	84	18.2	18.2	8.2	8.2	31.8	31.8	111.7	111.7	8.7	6.7		6		87						<0.2	1.3					
						6.4	0.3	87	18.2	18.2	8.2	8.2	31.8	31.8	111.7	111.7	8.7	6.7		6		88						<0.2	1.3					
IM10	Cloudy	Moderate	16:18	7.7	Surface	1.0	0.3	100	18.5	18.5	8.2	8.2	31.9	31.9	111.1	110.9	8.6	4.2		6		84		822393	809771			<0.2	1.4					
						1.0	0.3	103	18.4	18.5	8.2	8.2	31.9	31.9	110.7		8.6	4.2		6		84						<0.2	0.6					
					Middle	3.9	0.2	91	18.1	18.1	8.2	8.2	31.9	31.9	108.4	108.3	8.5	5.2		5	5	86						<0.2	1.4					
						3.9	0.2	96	18.1	18.1	8.2	8.2	31.9	31.9	108.2		8.5	5.2		4		88						<0.2	1.4					
					Bottom	6.7	0.2	113	18.0	18.0	8.2	8.2	31.8	31.8	106.8	106.8	8.4	6.6		4		87						<0.2	1.4					
						6.7	0.2	121	18.0	18.0	8.2	8.2	31.8	31.8	106.7		8.4	6.6		4		88						<0.2	1.4					
IM11	Cloudy	Moderate	16:31	7.6	Surface	1.0	0.1	91	18.7	18.7	8.2	8.2	31.9	31.9	113.1	113.0	8.7	4.0		5		85		822044	811482			<0.2	1.4					
						1.0	0.1	92	18.6	18.7	8.2	8.2	31.9	31.9	112.9		8.7	4.0		5		85						<0.2	1.4					
					Middle	3.8	0.1	101	18.2	18.2	8.2	8.2	31.9	31.9	110.9	110.9	8.6	5.6		4		89						<0.2	1.4					
						3.8	0.1	101	18.2	18.2	8.2	8.2	31.9	31.9	110.8		8.6	5.6		4		87						<0.2	1.4					
					Bottom	6.6	0.1	109	18.4	18.5	8.2	8.2	31.8	31.8	111.6	111.7	8.7	8.4		4		88						<0.2	1.4					
						6.6	0.1	115	18.5	18.5	8.2	8.2	31.8	31.8	111.8		8.7	8.4		4		87						<0.2	1.4					
IM12	Cloudy	Moderate	16:38	7.8	Surface	1.0	0.3	92	18.6	18.6	8.2	8.2	31.9	31.9	113.0	112.9	8.7	3.9		5		78		821467	812039			<0.2	1.3					
						1.0	0.4	99	18.5	18.5	8.2	8.2	31.9	31.9	112.7		8.7	3.9		6		83						<0.2	1.3					
					Middle	3.9	0.1	114	18.5	18.5	8.2	8.2	31.8	31.8	112.5	112.5	8.7	6.0		7		83						<0.2	1.3					
						3.9	0.1	116	18.5	18.5	8.2	8.2	31.8	31.8	112.5		8.7	6.0		7		87						<0.2	1.3					
					Bottom	6.8	0.2	106	18.6	18.7	8.2	8.2	31.8	31.8	113.0	113.1	8.7	8.1		5		87						<0.2	1.3					
						6.8	0.2	111	18.7	18.7	8.2	8.2	31.8	31.8	113.1		8.7	8.1		5		89						<0.2	1.4					
SR1A	Cloudy	Moderate	16:57	4.6	Surface	1.0	-	-	18.3	18.3	8.2	8.2	31.9	31.9	112.6	112.6	8.8	4.1		9		-		819971	812661			-	-					
						1.0	-	-	18.3	18.3	8.2	8.2	31.9	31.9	112.5		8.8	4.1		8		-						-	-					
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	-	-	18.3	18.3	8.2	8.2	31.8	31.8	112.5	112.6	8.8	4.2		9		-						-	-	-	-			
						3.6	-	-	18.3	18.3	8.2	8.2	31.8	31.8	112.6		8.8	4.1		8		-						-	-	-	-			
SR2	Cloudy	Moderate	17:12	4.4	Surface	1.0	0.3	92	18.4	18.4	8.2	8.2	31.9	31.9	113.0	113.0	8.8	4.2		8		89		821472	814189			<0.2	1.4					
						1.0	0.3	96	18.4	18.4	8.2	8.2	31.9	31.9	113.0		8.8	4.1		8		88						<0.2	1.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.4	0.3	81	18.4	18.4	8.2	8.2	31.8	31.8	113.0	113.0	8.8	4.1		6		91						<0.2	1.3					
						3.4	0.3	88	18.4	18.4	8.2	8.2	31.8	31.8	113.0		8.8	4.1		5		92						<0.2	1.3					
SR3	Cloudy	Moderate	15:55	8.9	Surface	1.0	0.4	99	18.3	18.3	8.2	8.2	31.8	31.8	112.2	112.2	8.7	3.8		4		-		822157	807584			-	-					
						1.0	0.4	104	18.3	18.2	8.2	8.2	31.8	31.8	112.1		8.7	3.8		5		-						-	-					
					Middle	4.5	0.4	61	18.2	18.2	8.2	8.2	31.8	31.8	111.4	111.4	8.7	4.1		5		-						-	-					
						4.5	0.4	62	18.2	18.2	8.2	8.2	31.8	31.8	111.4		8.7	4.1		5		-						-	-					
					Bottom	7.9	0.3	50	18.2	18.2	8.2	8.2	31.8	31.8	111.3	111.4	8.7	5.1		5		-						-	-					
						7.9	0.4	51	18.2	18.2	8.2	8.2	31.8	31.8	111.4		8.7	5.1		5		-						-	-					
SR4A	Cloudy	Moderate	17:09	8.5	Surface	1.0	0.3	90	18.2	18.2	8.2	8.2	31.8	31.8	111.6	111.7	8.7	6.6		4		-		817193	807801			-	-					
						1.0	0.3	92	18.2	18.2	8.2	8.2	31.8	31.8	111.8		8.7	6.6		4		-						-	-					
					Middle	4.3	0.2	105	18.3	18.3	8.2	8.2	31.9	31.9	112.6	112.6	-	4.1		5		-						-	-					
						4.3	0.2	110	18.3	18.3	8.2	8.2	31.9	31.9	112.5		-	4.1		5		-						-	-					
					Bottom	7.5	0.2	77	18.3	18.3	8.2	8.2	31.8	31.8	112.5	112.6	8.8	6.0		8		-						-	-					
						7.5	0.2	81	18.3	18.3	8.2	8.2	31.8	31.8	112.6		8.8	6.0		7		-						-	-					
SR5A	Cloudy	Moderate	17:26	4.6	Surface	1.0	0.1	327	18.5	18.5	8.2	8.2	31.9	31.9	113.3	113.3	8.8	4.1		5		-		816584	810715			-	-					
						1.0	0.1	340	18.5	18.5	8.2	8.2	31.9	31.9	113.2		8.8	4.2		5		-						-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	0.1	102	18.1	18.1	8.2	8.2	31.9	31.9	111.1	111.1	8.7	5.0		6		-						-	-					
						3.6	0.1	106	18.1	18.1	8.2	8.2	31.9	31.9	111.1		8.7	5.0		7		-						-	-					
SR6	Cloudy	Moderate	17:58	4.8	Surface	1.0	0.1	55	18.4	18.4	8.2	8.2	31.9	31.9	112.5	112.4	8.7	4.1		6		-		817899	814639			-	-					
						1.0	0.1	59	18.3	18.4	8.2	8.2	31.9	31.9	112.3		8.7	4.2		5		-						-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.8	0.1	73	18.1	18.1	8.2	8.2	31.8	31.8	111.1	111.1	8.7	6.8		7		-						-	-					
						3.8	0.1	75	18.1	18.1	8.2	8.2	31.8	31.8	111.1		8.7	6.8		6		-						-	-					
SR7	Cloudy	Moderate	18:08	16.6	Surface	1.0	0.5	84	18.3	18.3	8.2	8.2	31.7	31.7	102.8	102.8	8.0	4.4		8		-		823650	823733			-	-					
						1.0	0.6	84	18.3	18.2	8.2	8.2	31.7	31.7	102.8		8.0	4.4		7		-						-	-					
					Middle	8.3	0.3	74	18.2	18.2	8.2	8.2	31.8	31.8	103.1	103.1	-	4.5		6		-						-	-					
						8.3	0.3	74	18.2	18.2	8.2	8.2	31.8	31.8	103.1		-	4.5		6		-						-	-					
					Bottom	15.6	0.1	88	18.2	18.2	8.2	8.2	31.8	31.8	102.6	102.6	8.0	4.5		6		-						-	-					
						15.6	0.1	89	18.2	18.2	8.2	8.2	31.8	31.8	102.5		8.0	4.5		5		-						-	-					
SR8	Cloudy	Moderate	16:49	5.2	Surface	1.0	-	-	18.4	18.4	8.2	8.2	31.9	31.																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
C1	Cloudy	Moderate	12:01	8.2	Surface	1.0	0.3	32	18.1	18.1	8.1	8.1	31.4	31.4	94.3	94.3	7.4	7.1	7.4	7.1	5	85	87	815621	804260	<0.2	1.6	1.5			
						1.0	0.4	32	18.1	18.1	8.1	8.1	31.4	31.4	94.2	94.2	7.4	7.1	5	84	87	<0.2	1.7								
					Middle	4.1	0.5	31	18.1	18.1	8.1	8.1	31.5	31.5	94.1	94.1	7.4	5.3	3	88	87	<0.2	1.4								
						4.1	0.5	32	18.1	18.1	8.1	8.1	31.5	31.5	94.1	94.1	7.4	5.4	4	89	87	<0.2	1.4								
					Bottom	7.2	0.4	25	18.1	18.1	8.1	8.1	31.5	31.5	94.3	94.3	7.4	6.4	4	89	87	<0.2	1.4								
						7.2	0.4	25	18.1	18.1	8.1	8.1	31.5	31.5	94.3	94.3	7.4	6.4	5	89	87	<0.2	1.4								
C2	Cloudy	Moderate	13:00	12.0	Surface	1.0	0.2	9	18.2	18.2	8.1	8.1	31.7	31.7	100.8	100.8	7.9	5.3	7.9	5.5	5	87	87	825680	806935	<0.2	1.3	1.4			
						1.0	0.2	9	18.2	18.2	8.1	8.1	31.7	31.7	100.8	100.8	7.9	5.5	5	87	87	<0.2	1.4								
					Middle	6.0	0.2	21	18.1	18.1	8.1	8.1	31.7	31.7	100.6	100.6	7.9	5.5	4	86	87	<0.2	1.4								
						6.0	0.2	22	18.1	18.1	8.1	8.1	31.7	31.7	100.6	100.6	7.9	5.5	5	89	87	<0.2	1.3								
					Bottom	11.0	0.1	15	18.1	18.1	8.2	8.2	31.7	31.7	100.7	100.7	7.9	5.1	5	89	87	<0.2	1.4								
						11.0	0.1	15	18.1	18.1	8.2	8.2	31.7	31.7	100.7	100.7	7.9	5.1	6	90	87	<0.2	1.3								
C3	Cloudy	Moderate	10:55	11.7	Surface	1.0	0.2	241	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.4	7.4	5.4	5	86	87	822089	817782	<0.2	1.3	1.3			
						1.0	0.2	244	18.1	18.1	8.1	8.1	31.3	31.3	94.2	94.2	7.4	5.4	5	87	87	<0.2	1.3								
					Middle	5.9	0.3	254	18.1	18.1	8.1	8.1	31.3	31.3	94.0	94.0	7.4	5.8	6	87	87	<0.2	1.4								
						5.9	0.3	259	18.1	18.1	8.1	8.1	31.4	31.4	94.0	94.0	7.4	5.8	7	88	87	<0.2	1.3								
					Bottom	10.7	0.4	259	18.1	18.1	8.1	8.1	31.3	31.3	94.1	94.1	7.4	5.7	6	88	87	<0.2	1.4								
						10.7	0.4	262	18.1	18.1	8.1	8.1	31.3	31.3	94.2	94.2	7.4	5.7	6	88	87	<0.2	1.4								
IM1	Cloudy	Moderate	12:16	5.6	Surface	1.0	0.1	44	18.1	18.1	8.1	8.1	31.4	31.4	94.5	94.5	7.4	4.9	7.4	5.0	6	82	84	817947	807123	<0.2	1.4	1.5			
						1.0	0.1	46	18.1	18.1	8.1	8.1	31.4	31.4	94.5	94.5	7.4	5.0	6	84	84	<0.2	1.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-
					Bottom	4.6	0.1	340	18.1	18.1	8.1	8.1	31.4	31.4	94.5	94.5	7.4	9.1	8	91	90	<0.2	1.4								
						4.6	0.1	357	18.1	18.1	8.1	8.1	31.4	31.4	94.5	94.5	7.4	9.4	9	90	90	<0.2	1.5								
IM2	Cloudy	Moderate	12:21	7.8	Surface	1.0	0.2	330	18.1	18.1	8.1	8.1	31.4	31.4	95.9	95.9	7.5	4.3	7.6	4.3	7	83	84	818148	806156	<0.2	1.4	1.4			
						1.0	0.2	304	18.1	18.1	8.1	8.1	31.4	31.4	95.9	95.9	7.5	4.3	6	84	84	<0.2	1.4								
					Middle	3.9	0.3	23	18.1	18.1	8.1	8.1	31.4	31.4	96.5	96.6	7.6	7.6	7	90	89	<0.2	1.4								
						3.9	0.3	24	18.1	18.1	8.1	8.1	31.4	31.4	96.7	96.6	7.6	7.6	6	89	89	<0.2	1.5								
					Bottom	6.8	0.2	16	18.1	18.1	8.1	8.1	31.5	31.5	98.6	98.7	7.7	11.0	5	90	90	<0.2	1.4								
						6.8	0.2	16	18.1	18.1	8.1	8.1	31.5	31.5	98.7	98.7	7.7	11.0	6	89	89	<0.2	1.4								
IM3	Cloudy	Moderate	12:28	7.4	Surface	1.0	0.2	24	18.2	18.2	8.2	8.2	31.8	31.8	101.1	101.1	7.9	4.0	7.9	4.0	7	86	85	818773	805596	<0.2	1.5	1.4			
						1.0	0.2	24	18.2	18.2	8.2	8.2	31.8	31.8	101.1	101.1	7.9	4.0	7	85	85	<0.2	1.4								
					Middle	3.7	0.3	16	18.2	18.2	8.2	8.2	31.8	31.8	100.9	100.9	7.9	5.7	6	89	88	<0.2	1.4								
						3.7	0.3	16	18.2	18.2	8.2	8.2	31.8	31.8	100.9	100.9	7.9	5.7	7	88	88	<0.2	1.4								
					Bottom	6.4	0.2	40	18.2	18.2	8.2	8.2	31.7	31.7	100.7	100.7	7.9	8.2	6	92	90	<0.2	1.5								
						6.4	0.2	43	18.2	18.2	8.2	8.2	31.7	31.7	100.7	100.7	7.9	8.2	7	90	90	<0.2	1.4								
IM4	Cloudy	Moderate	12:39	7.7	Surface	1.0	0.2	9	18.2	18.2	8.1	8.1	31.8	31.8	100.9	100.9	7.9	7.4	7.9	7.4	6	86	86	819705	804585	<0.2	1.4	1.4			
						1.0	0.2	9	18.2	18.2	8.1	8.1	31.8	31.8	100.8	100.8	7.9	7.4	5	86	86	<0.2	1.4								
					Middle	3.9	0.2	348	18.1	18.1	8.1	8.1	31.7	31.7	100.5	100.5	7.9	5.3	6	89	89	<0.2	1.4								
						3.9	0.2	358	18.1	18.1	8.1	8.1	31.7	31.7	100.5	100.5	7.9	5.3	5	90	90	<0.2	1.4								
					Bottom	6.7	0.3	360	18.1	18.1	8.1	8.1	31.7	31.7	100.6	100.6	7.9	6.6	6	90	90	<0.2	1.4								
						6.7	0.3	331	18.1	18.1	8.1	8.1	31.7	31.7	100.6	100.6	7.9	6.6	5	92	90	<0.2	1.4								
IM5	Cloudy	Moderate	12:47	7.6	Surface	1.0	0.4	11	18.2	18.2	8.1	8.1	31.8	31.8	100.8	100.8	7.9	5.1	7.9	5.1	5	85	86	820737	804879	<0.2	1.3	1.4			
						1.0	0.4	11	18.2	18.2	8.1	8.1	31.8	31.8	100.8	100.8	7.9	5.1	5	86	86	<0.2	1.4								
					Middle	3.8	0.4	16	18.1	18.1	8.1	8.1	31.7	31.7	100.6	100.6	7.9	6.6	6	85	87	<0.2	1.4								
						3.8	0.4	16	18.1	18.1	8.1	8.1	31.8	31.8	100.6	100.6	7.9	6.6	6	87	87	<0.2	1.4								
					Bottom	6.6	0.3	21	18.1	18.1	8.1	8.1	31.8	31.8	100.7	100.7	7.9	7.5	6	91	91	<0.2	1.4								
						6.6	0.3	21	18.1	18.1	8.1	8.1	31.8	31.8	100.7	100.7	7.9	7.5	5	91	91	<0.2	1.4								
IM6	Cloudy	Moderate	12:56	7.4	Surface	1.0	0.4	75	18.5	18.5	8.2	8.2	31.7	31.7	102.0	102.0	7.9	9.9	8.0	4.5	5	84	88	821075	805818	<0.2	1.3	1.4			
						1.0	0.4	75	18.5	18.5	8.2	8.2	31.7	31.7	102.1	102.1	7.9	9.9	5	85	88	<0.2	1.4								
					Middle	3.7	0.2	70	18.2	18.2	8.2	8.2	31.8	31.8	102.7	102.7	8.0	4.5	6	88	88	<0.2	1.4								
						3.7	0.2	76	18.2	18.2	8.2	8.2	31.8	31.8	102.7	102.7	8.0	4.5	5	88	88	<0.2	1.4								
					Bottom	6.4	0.2	88	18.2	18.2	8.2	8.2	31.8	31.8	102.6	102.6	8.0	8.4	7	91	91	<0.2	1.4								
						6.4	0.2	96	18.2	18.2	8.2	8.2	31.8	31.8	102.6	102.6	8.0	8.4	8	89	89	<0.2	1.4								
IM7	Cloudy	Moderate	13:05	7.9	Surface	1.0	0.1	121	18.4	18.4	8.2	8.2	31.7	31.7	102.6	102.7	8.0	4.2	8.1	4.3	6	83	85	821367	806824	<0.2	1.4	1.4			
						1.0	0.1	122	18.4	18.4	8.2	8.2	31.7	31.7	102.7	102.7	8.0	4.3	6	85	85	<0.2	1.4								
					Middle	4.0	0.1	97	18.2	18.2	8.2	8.2	31.8	31.8	103.6	103.6	8.1	7.8	5	86	86	<0.2	1.3								
						4.0	0.2	98	18.2	18.2	8.2	8.2	31.8	31.8	103.6	103.6	8.1	7.8	5	86	86	<0.2	1.4								
					Bottom	6.9	0.1	67	18.2	18.2	8.2	8.2	31.8	31.8	103.0	103.0	8.0	8.6	6	89	89	<0.2	1.4								
						6.9	0.1	69	18.2	18.2	8.2	8.2	31.8	31.8	102.8	102.9	8.0	8.6	6	89	89	<0.2	1.5								
IM8	Cloudy	Moderate	12:29	7.8	Surface	1.0	0.1	101	18.1	18.1	8.1	8.1	31.4	31.4	94.9	94.9	7.4	4.8	7.4	4.7	4	85	87	821833	808121	<0.2	1.3	1.4			
						1.0	0.1	103	18.1	18.1	8.1	8.1	31.5	31.5	94.6	94.6	7.4	5.1	4	87	87	<0.2	1.4								
					Middle	3.9	0.2	71	18.1	18.1	8.1	8.1	31.5	31.5	94.6	94.6	7.4	5.1	4	87	87	<0.2	1.4								
						3.9	0.2	72	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	5.1	4	87	87	<0.2	1.4								
					Bottom	6.8	0.3	62	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	4.9	5	89	89	<0.2	1.4								
						6.8	0.3	64	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	5.0	4	89	89	<0.2	1.4								

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	12:18	7.6	Surface	1.0	0.1	344	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	4.8		4		84		87	822094	808799	<0.2	1.4	1.4				
						1.0	0.1	316	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	4.9		5		84		87	822094	808799	<0.2	1.5					
					Middle	3.8	0.1	26	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	4.9	7.4	5.0	5	5	86		87	822094	808799	<0.2		1.4			
						3.8	0.1	27	18.1	18.1	8.1	8.1	31.5	31.5	94.8	94.8	7.4	5.0	7.4	5.0	5	5	87		87	822094	808799	<0.2		1.5			
					Bottom	6.6	0.2	69	18.1	18.1	8.1	8.1	31.5	31.5	95.1	95.2	7.5	4.9	7.5	4.8	4	5	89		90	822094	808799	<0.2		1.4			
						6.6	0.2	72	18.1	18.1	8.1	8.1	31.5	31.5	95.2	95.2	7.5	4.8	7.5	4.8	5	5	90		90	822094	808799	<0.2		1.4			
IM10	Cloudy	Moderate	12:10	7.4	Surface	1.0	0.2	333	18.1	18.1	8.1	8.1	31.4	31.4	94.4	94.4	7.4	4.9		5		85		86	822401	809773	<0.2	1.4	1.4				
						1.0	0.3	306	18.1	18.1	8.1	8.1	31.4	31.4	94.4	94.4	7.4	4.9		6		84		87	822401	809773	<0.2	1.4					
					Middle	3.7	0.3	325	18.1	18.1	8.1	8.1	31.5	31.5	94.2	94.2	7.4	5.0	7.4	5.2	4	6	85		87	822401	809773	<0.2		1.4			
						3.7	0.3	335	18.1	18.1	8.1	8.1	31.5	31.5	94.2	94.2	7.4	5.2	7.4	5.2	4	6	87		87	822401	809773	<0.2		1.4			
					Bottom	6.4	0.2	300	18.1	18.1	8.1	8.1	31.5	31.5	94.3	94.3	7.4	5.9	7.4	5.9	8	8	87		89	822401	809773	<0.2		1.3			
						6.4	0.2	312	18.1	18.1	8.1	8.1	31.5	31.5	94.3	94.3	7.4	5.9	7.4	5.9	8	8	89		89	822401	809773	<0.2		1.4			
IM11	Cloudy	Moderate	11:56	8.1	Surface	1.0	0.3	273	18.1	18.1	8.1	8.1	31.4	31.4	95.2	95.2	7.5	4.8		8		83		86	822076	811454	<0.2	1.4	1.3				
						1.0	0.3	276	18.1	18.1	8.1	8.1	31.4	31.4	95.2	95.2	7.5	4.8		7		83		86	822076	811454	<0.2	1.3					
					Middle	4.1	0.3	288	18.1	18.1	8.1	8.1	31.5	31.5	96.2	96.3	7.5	7.6	7.5	7.8	4	5	86		88	822076	811454	<0.2		1.3			
						4.1	0.3	311	18.1	18.1	8.1	8.1	31.5	31.5	96.4	96.3	7.6	7.8	7.6	7.8	5	5	88		88	822076	811454	<0.2		1.3			
					Bottom	7.1	0.2	290	18.1	18.1	8.1	8.1	31.5	31.5	98.0	98.1	7.7	10.1	7.7	10.5	4	3	87		87	822076	811454	<0.2		1.3			
						7.1	0.2	311	18.1	18.1	8.1	8.1	31.5	31.5	98.2	98.1	7.7	10.5	7.7	10.5	3	3	87		87	822076	811454	<0.2		1.4			
IM12	Cloudy	Moderate	11:48	7.9	Surface	1.0	0.3	260	18.1	18.1	8.1	8.1	31.3	31.3	94.4	94.4	7.4	5.1		6		86		89	821457	812029	<0.2	1.4	1.4				
						1.0	0.3	262	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.4	7.4	5.1		7		86		90	821457	812029	<0.2	1.4					
					Middle	4.0	0.3	262	18.1	18.1	8.1	8.1	31.3	31.3	94.1	94.1	-	5.6	7.4	5.5	8	8	89		90	821457	812029	<0.2		1.4			
						4.0	0.3	262	18.1	18.1	8.1	8.1	31.3	31.3	94.1	94.1	-	5.5	7.4	5.5	9	8	90		90	821457	812029	<0.2		1.4			
					Bottom	6.9	0.2	257	18.1	18.1	8.1	8.1	31.3	31.3	94.1	94.2	7.4	5.4	7.4	5.4	7	8	94		94	821457	812029	<0.2		1.4			
						6.9	0.2	277	18.1	18.1	8.1	8.1	31.3	31.3	94.2	94.2	7.4	5.4	7.4	5.4	8	8	94		94	821457	812029	<0.2		1.4			
SR1A	Cloudy	Moderate	11:30	4.5	Surface	1.0	-	-	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.2		7		-		-		819972	812661	-	-	-			
						1.0	-	-	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.2		8		-		-		-		819972	812661		-	-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	
					Bottom	3.5	-	-	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.4	7.4	5.4	6	7	-		-		-		819972		812661	-	-
						3.5	-	-	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.4	7.4	5.4	7	7	-		-		-		819972		812661	-	-
SR2	Cloudy	Moderate	11:17	4.4	Surface	1.0	0.1	305	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.3		8		86		87	821440	814167	<0.2	1.4	1.4				
						1.0	0.1	310	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.3		8		87		87	821440	814167	<0.2	1.4					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-		
					Bottom	3.4	0.1	282	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.4	7.4	5.4	6	7	87		89	821440	814167	<0.2		1.4			
						3.4	0.1	298	18.1	18.1	8.1	8.1	31.3	31.3	94.3	94.3	7.4	5.4	7.4	5.4	7	7	89		89	821440	814167	<0.2		1.4			
SR3	Cloudy	Moderate	12:35	8.6	Surface	1.0	0.4	86	18.1	18.1	8.1	8.1	31.4	31.4	94.7	94.7	7.4	4.5		5		-		-		822144	807565	-	-	-			
						1.0	0.4	86	18.1	18.1	8.1	8.1	31.4	31.4	94.7	94.7	7.4	4.5		5		-		-		-		822144	807565		-	-	
					Middle	4.3	0.4	62	18.1	18.1	8.1	8.1	31.5	31.5	94.4	94.4	-	4.8	7.4	4.8	6	6	-		-		-		-		-	-	
						4.3	0.4	66	18.1	18.1	8.1	8.1	31.5	31.5	94.4	94.4	-	4.8	7.4	4.8	6	6	-		-		-		-		-	-	
					Bottom	7.6	0.2	44	18.1	18.1	8.1	8.1	31.5	31.5	94.5	94.6	7.4	5.3	7.4	5.3	6	7	-		-		-		822144		807565	-	-
						7.6	0.2	44	18.1	18.1	8.1	8.1	31.5	31.5	94.6	94.6	7.4	5.2	7.4	5.2	7	7	-		-		-		822144		807565	-	-
SR4A	Cloudy	Moderate	11:47	8.4	Surface	1.0	0.2	122	18.1	18.1	8.1	8.1	31.4	31.4	94.7	94.7	7.4	8.4		5		-		-		817175	807824	-	-	-			
						1.0	0.2	133	18.1	18.1	8.1	8.1	31.4	31.4	94.7	94.7	7.4	8.4		5		-		-		-		817175	807824		-	-	
					Middle	4.2	0.3	95	18.1	18.1	8.1	8.1	31.4	31.4	94.6	94.6	-	5.3	7.4	5.2	6	6	-		-		-		-		-	-	
						4.2	0.3	104	18.1	18.1	8.1		31.4	31.4	94.6	94.6	-	5.2	7.4	5.2	6	6	-		-		-		-		-	-	
					Bottom	7.4	0.4	93	18.1	18.1	8.1	8.1	31.4	31.4	94.8	94.9	7.4	6.5	7.4	6.5	7	7	-		-		-		817175		807824	-	-
						7.4	0.4	100	18.1	18.1	8.1	8.1	31.4	31.4	94.9	94.9	7.4	6.5	7.4	6.5	7	7	-		-		-		817175		807824	-	-
SR5A	Cloudy	Moderate	11:29	4.9	Surface	1.0	0.1	88	18.1	18.1	8.1	8.1	31.3	31.3	94.4	94.4	7.4	8.0		6		-		-		816588	810698	-	-	-			
						1.0	0.1	89	18.1	18.1	8.1	8.1	31.3	31.3	94.4	94.4	7.4	8.0		6		-		-		-		816588	810698		-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		
					Bottom	3.9	0.0	90	18.1	18.1	8.1	8.1	31.3	31.3	94.5	94.5	7.4	5.1	7.4	5.1	6	6	-		-		-		816588		810698	-	-
						3.9	0.0	95	18.1	18.1	8.1	8.1	31.3	31.3	94.5	94.5	7.4	5.1	7.4	5.1	6	6	-		-		-		816588		810698	-	-
SR6	Cloudy	Moderate	11:08	4.6	Surface	1.0	0.1	140	18.1	18.1	8.1	8.1	31.3	31.3	94.5	94.5	7.4	5.1		8		-		-		817905	814655	-	-	-			
						1.0	0.1	141	18.1	18.1	8.1	8.1	31.3	31.3	94.5	94.5	7.4	5.1		7		-		-		-		817905	814655		-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-		
					Bottom	3.6	0.1	98	18.1	18.1	8.1	8.1	31.3	31.3	94.5	94.5	7.4	5.3	7.4	5.3	10	8	-		-		-		817905		814655	-	-
						3.6	0.1	101	18.1	18.1	8.1	8.1	31.3	31.3	94.5	94.5	7.4	5.3	7.4	5.3	8	8	-		-		-		817905		814655	-	-
SR7	Cloudy	Moderate	10:30	16.5																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 January 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
C1	Fine	Moderate	07:31	8.2	Surface	1.0	0.2	205	17.7	17.7	8.2	8.2	29.2	29.2	103.0	103.0	8.2	8.2	3.1	4			83		86	815615	804237	<0.2	1.6	1.6					
						1.0	0.2	223	17.7	8.2	8.2	29.3		103.0		8.2	8.2	3.1	3		83		<0.2	1.7											
					Middle	4.1	0.2	178	17.9	17.9	8.2	8.2	29.7	29.7	102.9	102.9	8.2	8.2	4.8	3	4		86					<0.2	1.7						
						4.1	0.2	191	17.9	8.2	8.2	29.8		102.8		8.2	8.2	4.5	3		86		<0.2	1.5											
					Bottom	7.2	0.2	195	18.0	18.0	8.2	8.2	30.3	30.3	103.1	103.1	8.1	8.1	5.3	6		88		<0.2				1.5							
					7.2	0.2	206	18.0	8.2	8.2	30.3		103.1		8.1	8.1	5.5	5		89		<0.2	1.5												
C2	Fine	Moderate	08:34	9.9	Surface	1.0	0.3	177	18.6	18.6	8.2	8.2	25.7	25.7	100.1	100.1	8.0	8.0	2.1	3			84		86	825695	806932	<0.2	3.6	3.6					
						1.0	0.3	187	18.6	8.2	8.2	25.6		100.0		8.0	8.0	2.3	4		85		<0.2	3.5											
					Middle	5.0	0.2	138	18.6	18.6	8.2	8.2	28.0	28.0	99.2	99.2	-	-	4.2	3	3		86					<0.2	3.7						
						5.0	0.2	139	18.6	8.2	8.2	27.9		99.1		-	-	4.6	3		86		<0.2	3.7											
					Bottom	8.9	0.1	129	18.7	18.7	8.2	8.2	28.6	28.6	98.3	98.4	7.8	7.8	4.3	3	4		88					<0.2	3.6						
					8.9	0.1	130	18.7	8.2	8.2	28.6		98.4		7.8	7.8	4.3	3		89		<0.2	3.6												
C3	Cloudy	Moderate	06:42	11.7	Surface	1.0	0.2	70	18.4	18.5	8.2	8.2	29.0	29.1	101.0	100.9	8.0	8.0	1.3	4			85		86	822122	817806	<0.2	1.7	1.8					
						1.0	0.2	74	18.5	8.2	8.2	29.1		100.8		8.0	8.0	1.3	5		85		<0.2	1.7											
					Middle	5.9	0.1	95	18.5	18.5	8.2	8.2	29.3	29.3	99.6	99.5	7.8	7.9	1.6	2	3		86					<0.2	1.9						
						5.9	0.1	100	18.5	8.2	8.2	29.4	29.3	99.4		7.8	7.8	1.6	2		86		<0.2	1.7											
					Bottom	10.7	0.1	110	18.5	18.5	8.2	8.2	29.7	29.7	98.5	98.6	7.7	7.7	9.8	3		87		<0.2				1.8							
	10.7	0.1	110	18.5	8.2	8.2	29.7	29.7	98.6		7.7	7.7	9.8	3		88		<0.2	1.8																
IM1	Fine	Moderate	07:43	5.3	Surface	1.0	0.1	200	17.9	17.9	8.2	8.2	29.9	29.9	104.2	104.2	8.3	8.3	2.8	4			84		85	817959	807142	<0.2	1.5	1.5					
						1.0	0.1	209	17.9	8.2	8.2	29.9		104.2		8.3	8.3	2.8	3		84		<0.2	1.4											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-	-
					Bottom	4.3	0.0	71	17.9	17.9	8.2	8.2	30.1	30.1	104.0	104.0	8.2	8.2	3.1	5		87		<0.2				1.5							
	4.3	0.0	75	17.9	8.2	8.2	30.1	30.1	104.0		8.2	8.2	3.1	5		86		<0.2	1.5																
IM2	Fine	Moderate	07:51	6.4	Surface	1.0	0.2	167	18.0	18.0	8.2	8.2	29.6	29.6	103.0	103.0	8.2	8.2	3.7	5			83		86	818168	806168	<0.2	1.2	1.2					
						1.0	0.2	178	18.0	8.2	8.2	29.6		103.0		8.2	8.2	3.7	4		84		<0.2	1.3											
					Middle	3.2	0.1	143	18.0	18.0	8.2	8.2	30.0	30.0	102.3	102.2	8.1	8.1	3.5	4	4		85					<0.2	1.3						
						3.2	0.1	153	18.0	8.2	8.2	30.0		102.1		8.1	8.1	3.7	4		86		<0.2	1.2											
					Bottom	5.4	0.0	181	18.0	18.0	8.2	8.2	30.3	30.3	103.3	103.4	8.2	8.2	4.3	5		88		<0.2				1.1							
	5.4	0.0	188	18.0	8.2	8.2	30.3	30.3	103.5		8.2	8.2	4.8	4		88		<0.2	1.2																
IM3	Fine	Moderate	07:57	6.9	Surface	1.0	0.3	220	18.1	18.1	8.2	8.2	28.6	28.7	103.0	103.0	8.2	8.2	4.2	7			83		85	818787	805607	<0.2	1.4	1.4					
						1.0	0.3	238	18.1	8.2	8.2	28.7		103.0		8.2	8.2	4.1	7		82		<0.2	1.4											
					Middle	3.5	0.2	200	18.0	18.0	8.2	8.2	29.5	29.5	102.9	102.9	8.2	8.2	3.5	6	7		85					<0.2	1.4						
						3.5	0.2	208	17.9	8.2	8.2	29.5		102.9		8.2	8.2	3.4	6		85		<0.2	1.3											
					Bottom	5.9	0.1	157	18.0	18.0	8.2	8.2	30.4	30.4	101.0	101.0	8.0	8.0	5.2	7		88		<0.2				1.4							
	5.9	0.1	161	18.0	8.2	8.2	30.4	30.4	101.0		8.0	8.0	5.1	6		88		<0.2	1.5																
IM4	Fine	Moderate	08:07	7.4	Surface	1.0	0.4	200	18.2	18.2	8.2	8.2	27.5	27.5	102.1	102.1	8.2	8.2	3.5	5			82		85	819706	804595	<0.2	1.4	1.4					
						1.0	0.4	204	18.2	8.2	8.2	27.5		102.1		8.2	8.2	3.5	6		83		<0.2	1.4											
					Middle	3.7	0.3	185	18.0	18.0	8.2	8.2	28.7	28.7	101.6	101.6	8.1	8.1	4.0	5	6		84					<0.2	1.4						
						3.7	0.3	190	18.0	8.2	8.2	28.7		101.6		8.1	8.1	4.0	6		84		<0.2	1.4											
					Bottom	6.4	0.2	160	18.0	18.0	8.2	8.2	29.6	29.6	101.0	101.1	8.0	8.0	6.1	6		87		<0.2				1.3							
	6.4	0.2	169	18.0	8.2	8.2	29.6		101.1		8.0	8.0	6.0	5		87		<0.2	1.4																
IM5	Fine	Moderate	08:16	6.7	Surface	1.0	0.3	237	18.3	18.3	8.1	8.1	27.1	27.2	102.7	102.8	8.2	8.2	2.4	4			82		84	820758	804875	<0.2	1.5	1.4					
						1.0	0.3	248	18.2	8.1	8.1	27.3		102.8		8.2	8.2	2.5	4		82		<0.2	1.5											
					Middle	3.4	0.3	234	18.2	18.2	8.2	8.2	28.3	28.2	102.6	102.6	8.2	8.2	2.9	4	4		84					<0.2	1.4						
						3.4	0.3	251	18.2	8.2	8.2	28.2		102.6		8.2	8.2	2.9	4		84		<0.2	1.4											
					Bottom	5.7	0.3	245	18.0	18.0	8.2	8.2	29.2	29.2	101.8	101.8	8.1	8.1	6.1	4		87		<0.2				1.4							
	5.7	0.3	263	18.0	8.2	8.2	29.2		101.8		8.1	8.1	6.2	4		86		<0.2	1.4																
IM6	Fine	Moderate	08:24	6.6	Surface	1.0	0.3	256	18.3	18.3	8.1	8.1	26.6	26.7	101.6	101.7	8.2	8.2	2.2	4			81		84	821047	805851	<0.2	1.4	1.5					
						1.0	0.3	266	18.3	8.1	8.1	26.7		101.7		8.2	8.2	2.3	4		81		<0.2	1.5											
					Middle	3.3	0.2	235	18.2	18.2	8.2	8.2	27.9	27.9	101.5	101.5	8.1	8.2	2.6	4		83		<0.2				1.5							
						3.3	0.2	235	18.2	8.2	8.2	27.9		101.4		8.1	8.1	2.6	3	4		84		<0.2				1.4							
					Bottom	5.6	0.2	219	18.0	18.0	8.2	8.2	29.2	29.2	100.4	100.4	8.0	8.0	5.4	3		86		<0.2				1.5							
	5.6	0.2	223	18.0	8.2	8.2	29.2		100.3		8.0	8.0	5.5	3		86		<0.2	1.4																
IM7	Fine	Moderate	08:32	8.1	Surface	1.0	0.3	255	18.3	18.3	8.1	8.1	26.1	26.2	100.6	100.7	8.1	8.1	2.1	3			81		83	821335	806839	<0.2	1.5	1.4					
						1.0	0.3	268	18.3	8.1	8.1	26.2		100.7		8.1	8.1	2.1	3		81		<0.2	1.5											
					Middle	4.1	0.3	277	18.2	18.2	8.1	8.1	27.5	27.5	100.8	100.8	8.1	8.1	2.5	3	3		83					<0.2	1.4						
						4.1	0.3	304	18.2	8.1	8.1	27.5		100.8		8.1	8.1	2.5	3		83		<0.2	1.4											
					Bottom	7.1	0.3	260	18.1	18.1	8.2	8.2	29.1	29.1	100.5	100.6	8.0	8.0	5.1	4		86		<0.2				1.4							
	7.1	0.4	268	18.1	8.2	8.2	29.1		100.6		8.0	8.0	4.9	4		86		<0.2	1.4																
IM8	Fine	Moderate	08:08	6.8	Surface	1.0	0.1	174	18.7	18.7	8.2	8.2	26.7	26.7	101.6	101.7	8.1	8.1	1.6	4			83		86	821808	808160	<0.2	2.8	2.5					
						1.0	0.1	179	18.7	8.2	8.2	26.7		101.7		8.1	8.1	1.7	3		84		<0.2	2.7											
					Middle	3.4	0.1	190	18.6	18.6	8.2	8.2	27.2	27.2	102.3	102.3	8.1	8.1	1.8	4	4		84					<0.2	2.5						
						3.4	0.1	208	18.6	8.2	8.2	27.2		102.3		8.1	8.1	1.8	4		85		<0.2	2.5											
					Bottom	5.8	0.1	205	18.4	18.4	8.2	8.2	28.7	28.6	101.5	101.5	8.0	8.0	3.1	4		88		<0.2				2.0							
	5.8	0.1	212	18.4	8.2	8.2	28.6		101.5		8.0	8.0	2.8	5		89		<0.2	2.2																

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 January 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	08:02	6.5	Surface	1.0	0.2	141	18.6	18.6	8.2	8.2	27.4	27.4	102.2	102.2	8.1	1.6	2		2		84		86	822090	808798	<0.2	3.2	2.9				
						1.0	0.2	148	18.6	18.6	8.2	8.2	27.4	27.4	102.2	102.2	8.1	1.6	3		3		85											
					Middle	3.3	0.1	94	18.6	18.6	8.2	8.2	27.6	27.6	102.3	102.4	8.1	1.9	3	2	2	86												
						3.3	0.1	101	18.6	18.6	8.2	8.2	27.6	27.6	102.4	102.4	8.1	2.1	2		2	87												
					Bottom	5.5	0.1	66	18.4	18.4	8.2	8.2	28.0	28.0	102.1	102.1	8.1	3.0	<2		<2	88												
						5.5	0.1	70	18.4	18.4	8.2	8.2	28.0	28.0	102.0	102.1	8.1	3.1	<2		<2	88												
IM10	Cloudy	Moderate	07:53	8.2	Surface	1.0	0.2	118	18.7	18.7	8.2	8.2	27.1	27.1	102.1	102.1	8.1	1.4	2		2		86		88	822368	809789	<0.2	2.3	2.4				
						1.0	0.3	121	18.7	18.7	8.2	8.2	27.1	27.1	102.1	102.1	8.1	1.4	3		3		87											
					Middle	4.1	0.2	109	18.6	18.6	8.2	8.2	27.8	27.8	101.7	101.7	8.1	1.8	2	2	2	87												
						4.1	0.2	109	18.6	18.6	8.2	8.2	27.8	27.8	101.6	101.7	8.1	1.8	2		2	88												
					Bottom	7.2	0.2	97	18.6	18.6	8.2	8.2	28.2	28.2	100.2	100.3	7.9	2.9	<2		<2	89												
						7.2	0.3	100	18.6	18.6	8.2	8.2	28.2	28.2	100.4	100.3	7.9	3.0	2		2	89												
IM11	Cloudy	Moderate	07:39	7.7	Surface	1.0	0.3	110	18.7	18.7	8.2	8.2	27.6	27.7	102.0	101.9	8.1	1.4	2		2		85		87	822046	811462	<0.2	2.1	2.2				
						1.0	0.4	116	18.6	18.6	8.2	8.2	27.7	27.7	101.7	101.8	8.1	1.6	3		3		85											
					Middle	3.9	0.3	116	18.5	18.5	8.2	8.2	28.3	28.4	100.6	100.6	-	3.4	3	3	3	86												
						3.9	0.4	119	18.5	18.5	8.2	8.2	28.4	28.4	100.6	100.6	-	3.4	4		4	86												
					Bottom	6.7	0.2	97	18.5	18.6	8.2	8.2	28.4	28.4	101.0	101.1	8.0	4.8	3		3	88												
						6.7	0.2	100	18.6	18.6	8.2	8.2	28.3	28.4	101.2	101.1	8.0	4.9	<2		<2	89												
IM12	Cloudy	Moderate	07:30	7.9	Surface	1.0	0.2	102	18.5	18.5	8.2	8.2	27.7	27.7	102.3	102.3	8.1	2.0	3		3		84		86	821461	812063	<0.2	2.0	2.0				
						1.0	0.2	109	18.5	18.5	8.2	8.2	27.7	27.7	102.3	102.3	8.1	2.0	2		2		85											
					Middle	4.0	0.2	74	18.4	18.5	8.2	8.2	28.5	28.6	101.3	101.3	8.0	2.7	<2		<2	86												
						4.0	0.2	75	18.5	18.5	8.2	8.2	28.6	28.6	101.3	101.3	8.0	2.9	3		3	86												
					Bottom	6.9	0.1	55	18.5	18.5	8.2	8.2	29.1	29.1	101.3	101.4	8.0	4.7	4		4	87												
						6.9	0.1	56	18.5	18.5	8.2	8.2	29.1	29.1	101.4	101.4	8.0	5.2	2		2	88												
SR1A	Cloudy	Calm	07:16	4.3	Surface	1.0	-	-	18.4	18.4	8.2	8.2	28.6	28.6	101.8	101.8	8.1	1.9	2		2		-		-	819973	812662	-	-	-				
						1.0	-	-	18.4	18.4	8.2	8.2	28.6	28.6	101.7	101.7	8.1	1.9	4		4		-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					Bottom	3.3	-	-	18.4	18.4	8.2	8.2	28.8	28.8	101.8	101.9	8.1	3.5	3		3		-											
						3.3	-	-	18.4	18.4	8.2	8.2	28.8	28.8	102.0	101.9	8.1	3.8	3		3		-											
SR2	Cloudy	Moderate	07:07	4.8	Surface	1.0	0.2	91	18.4	18.4	8.2	8.2	28.6	28.6	101.9	101.9	8.1	2.1	3		3		85		87	821484	814146	<0.2	1.8	1.8				
						1.0	0.2	97	18.4	18.4	8.2	8.2	28.6	28.6	101.9	101.9	8.1	2.1	2		2		85											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					Bottom	3.8	0.2	71	18.4	18.4	8.2	8.2	28.8	28.8	101.9	101.9	8.1	2.3	2		2		88											
						3.8	0.2	77	18.4	18.4	8.2	8.2	28.8	28.8	101.9	101.9	8.1	2.3	<2		<2	88												
SR3	Fine	Moderate	08:17	8.6	Surface	1.0	0.3	95	18.5	18.5	8.2	8.2	25.6	25.6	101.4	101.5	8.2	2.0	2		2		-		-	822164	807568	-	-	-				
						1.0	0.4	102	18.5	18.5	8.2	8.2	25.6	25.6	101.6	101.6	8.2	2.1	<2		<2	-												
					Middle	4.3	0.4	60	18.5	18.5	8.2	8.2	27.8	27.8	102.0	102.0	-	2.5	<2		<2	-												
						4.3	0.4	62	18.5	18.5	8.2	8.2	27.9	27.9	101.9	101.9	-	2.7	2		2	-												
					Bottom	7.6	0.3	52	18.3	18.3	8.2	8.2	29.2	29.2	101.5	101.5	8.0	5.0	3		3		-											
						7.6	0.4	56	18.3	18.3	8.2	8.2	29.1	29.2	101.4	101.5	8.0	5.2	3		3	-												
SR4A	Cloudy	Calm	07:17	9.0	Surface	1.0	0.0	70	17.7	17.7	8.2	8.2	29.8	29.8	101.3	101.3	8.1	4.1	3		3		-		-	817186	807822	-	-	-				
						1.0	0.0	71	17.7	17.7	8.2	8.2	29.8	29.8	101.2	101.3	8.1	4.3	4		4		-											
					Middle	4.5	0.0	177	17.9	17.9	8.2	8.2	30.1	30.1	100.9	100.9	8.0	5.8	3		3		-											
						4.5	0.0	193	17.9	17.9	8.2	8.2	30.1	30.1	100.9	100.9	8.0	5.7	3		3		-											
					Bottom	8.0	0.1	184	18.0	18.0	8.2	8.2	30.2	30.2	100.9	100.9	8.0	5.3	4		4		-											
						8.0	0.1	192	18.0	18.0	8.2	8.2	30.2	30.2	100.9	100.9	8.0	5.3	4		4		-											
SR5A	Cloudy	Calm	07:01	3.7	Surface	1.0	0.1	112	18.0	18.0	8.2	8.2	30.2	30.2	102.2	102.3	8.1	3.4	4		4		-		-	816610	810689	-	-	-				
						1.0	0.1	115	18.0	18.0	8.2	8.2	30.2	30.2	102.3	102.3	8.1	3.4	4		4		-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					Bottom	2.7	0.1	80	18.0	18.0	8.2	8.2	30.1	30.1	103.3	103.4	8.2	3.4	4		4		-											
						2.7	0.1	86	18.0	18.0	8.2	8.2	30.1	30.1	103.4	103.4	8.2	3.4	5		5		-											
SR6	Cloudy	Calm	06:29	4.1	Surface	1.0	0.1	61	17.9	17.9	8.1	8.1	29.8	29.8	102.1	102.1	8.1	4.3	6		6		-		-	817877	814663	-	-	-				
						1.0	0.1	63	17.9	17.9	8.1	8.1	29.8	29.8	102.1	102.1	8.1	4.3	5		5		-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					Bottom	3.1	0.1	69	17.9	17.9	8.1	8.1	29.8	29.8	101.9	101.9	8.1	4.5	4		4		-											
						3.1	0.1	75	17.9	17.9	8.1	8.1	29.8	29.8	101.9	101.9	8.1	4.7	5		5		-											
SR7	Cloudy	Moderate	06:08	17.9	Surface	1.0	0.2	50	18.4	18.4	8.2	8.2	29.5	29.5	100.2	100.2	7.9	1.2	2		<2		-		-	823620	823726	-	-	-				
						1.0	0.2	54	18.4	18.4	8.2	8.2	29.5	29.5	100.1	100.1	7.9	1.2	2		2		-											
					Middle	9.0	0.1	347	18.4	18.4	8.2	8.2	29.6	29.6	99.4	99.4	7.8	1.1	3	3	3	-												
						9.0	0.1	319	18.4	18.4	8.2	8.2	29.6	29.6	99.3	99.3	7.8	1.1	2		2	-												
					Bottom	16.9	0.0	161	18.5	18.5	8.1	8.1	29.8	29.7	99.2	99.3	7.8	1.2	3		3		-											
						16.9	0.0	165	18.4	18.4	8.1	8.1	29.7	29.7	99.3	99.3	7.8	1.3	3		3		-											
SR8	Cloudy	Calm	07:25	4.9	Surface	1.0	-	-	18.4	18.4	8.2	8.2	28.6	28.6	101.9	101.9	8.1	2.2	7		7		-		-	820397	811640	-	-	-				
						1.0	-	-	18.4	18.4	8.2	8.2	28.7	28.6	101.9	101.9	8.1	2.3	8		8		-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	-	-	-
					Bottom	3.9	-	-	18.4	18.4	8.2	8.2	28.7	28.6	102.3	102.4	8.1	2.2	4		4		-											
						3.9	-	-	18.4	18.4	8.2	8.2	28.6	28.6	102.5	102.4	8.1	2.0	3		3		-											

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 January 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	13:09	7.8	Surface	1.0	0.0	356	18.2	18.2	8.2	8.2	29.6	29.6	106.3	106.3	8.4	3.2	3	86	87	815610	804238	<0.2	1.3	1.3				
						1.0	0.0	22	18.2	18.2	8.2	8.2	29.6	29.6	106.2	106.2	8.4	3.2	4	86				<0.2	1.3					
					Middle	3.9	0.1	21	18.1	18.1	8.2	8.2	29.9	29.9	105.4	105.4	8.3	3.0	4	84				<0.2	1.2					
						3.9	0.1	21	18.1	18.1	8.2	8.2	29.9	29.9	105.3	105.3	8.3	3.0	5	85				<0.2	1.3					
					Bottom	6.8	0.2	50	18.1	18.1	8.2	8.2	30.2	30.2	104.6	104.6	8.3	3.4	5	89				<0.2	1.3					
						6.8	0.2	54	18.1	18.1	8.2	8.2	30.2	30.2	104.5	104.5	8.3	3.4	4	90				<0.2	1.3					
C2	Fine	Rough	12:13	10.4	Surface	1.0	0.2	218	18.7	18.7	8.2	8.2	24.6	24.6	101.0	100.9	8.1	2.3	4	86	88	825698	806935	<0.2	2.4	2.2				
						1.0	0.2	221	18.7	18.7	8.2	8.2	24.7	24.6	100.8	100.8	8.1	2.2	4	86				<0.2	2.3					
					Middle	5.2	0.2	335	18.7	18.7	8.2	8.2	27.8	27.8	100.8	100.9	8.0	1.9	4	88				<0.2	2.1					
						5.2	0.3	308	18.7	18.7	8.2	8.2	27.8	27.8	101.0	100.9	8.0	1.9	3	88				<0.2	2.2					
					Bottom	9.4	0.2	3	18.7	18.7	8.2	8.2	28.4	28.4	101.9	101.9	8.0	9.9	4	89				<0.2	2.2					
						9.4	0.2	3	18.7	18.7	8.2	8.2	28.4	28.4	101.9	101.9	8.0	10.1	4	89				<0.2	2.1					
C3	Fine	Moderate	14:23	9.7	Surface	1.0	0.5	268	18.6	18.6	8.2	8.2	29.5	29.5	102.0	101.8	8.0	1.1	4	85	87	822123	817814	<0.2	1.6	1.6				
						1.0	0.5	294	18.6	18.6	8.2	8.2	29.5	29.5	101.5	101.5	8.0	1.0	4	86				<0.2	1.8					
					Middle	4.9	0.4	270	18.5	18.5	8.2	8.2	30.1	30.1	98.9	99.0	7.7	3.4	3	86				<0.2	1.5					
						4.9	0.5	279	18.5	18.5	8.2	8.2	30.1	30.1	99.0	99.0	7.8	3.6	4	87				<0.2	1.5					
					Bottom	8.7	0.4	273	18.6	18.6	8.2	8.2	30.1	30.0	100.9	101.0	7.9	4.0	3	87				<0.2	1.5					
						8.7	0.4	289	18.6	18.6	8.2	8.2	30.0	30.0	101.1	101.0	7.9	3.9	2	88				<0.2	1.5					
IM1	Fine	Moderate	12:58	4.9	Surface	1.0	0.1	303	18.2	18.2	8.2	8.2	29.9	29.9	105.6	105.6	8.3	3.2	4	84	86	817925	807126	<0.2	1.2	1.2				
						1.0	0.1	326	18.1	18.1	8.2	8.2	29.9	29.9	105.6	105.6	8.3	3.2	4	84				<0.2	1.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	<0.2	-	1.2
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-		-	<0.2	-	
					Bottom	3.9	0.1	2	18.1	18.1	8.2	8.2	30.0	30.0	104.8	104.8	8.3	3.2	3	87				<0.2	1.2					
						3.9	0.1	2	18.1	18.1	8.2	8.2	30.0	30.0	104.7	104.7	8.3	3.2	4	88				<0.2	1.0					
IM2	Fine	Moderate	12:53	7.0	Surface	1.0	0.0	235	18.1	18.1	8.2	8.2	29.0	29.0	104.1	104.1	8.3	4.7	6	83	85	818161	806159	<0.2	2.7	2.7				
						1.0	0.0	255	18.1	18.1	8.2	8.2	29.0	29.0	104.1	104.1	8.3	4.6	5	82				<0.2	2.7					
					Middle	3.5	0.1	7	18.0	18.0	8.2	8.2	29.8	29.8	103.6	103.6	8.2	3.6	6	85				<0.2	2.7					
						3.5	0.1	7	18.0	18.0	8.2	8.2	29.9	29.9	103.5	103.6	8.2	3.5	6	86				<0.2	2.6					
					Bottom	6.0	0.2	21	18.1	18.1	8.2	8.2	30.4	30.4	102.4	102.4	8.1	5.5	6	88				<0.2	2.6					
						6.0	0.2	22	18.1	18.1	8.2	8.2	30.4	30.4	102.4	102.4	8.1	5.8	6	88				<0.2	2.7					
IM3	Fine	Moderate	12:45	6.8	Surface	1.0	0.4	55	18.3	18.3	8.2	8.2	28.1	28.1	104.4	104.4	8.3	5.3	7	82	85	818760	805584	<0.2	2.8	2.8				
						1.0	0.4	62	18.3	18.3	8.2	8.2	28.1	28.1	104.4	104.4	8.3	5.2	6	82				<0.2	2.7					
					Middle	3.4	0.1	56	18.1	18.1	8.2	8.2	29.0	29.0	104.2	104.2	8.3	3.8	7	84				<0.2	2.7					
						3.4	0.1	60	18.1	18.1	8.2	8.2	29.0	29.0	104.2	104.2	8.3	3.9	7	85				<0.2	2.7					
					Bottom	5.8	0.1	46	18.1	18.1	8.2	8.2	30.4	30.4	103.2	103.3	8.1	5.2	7	87				<0.2	2.8					
						5.8	0.1	50	18.0	18.0	8.2	8.2	30.4	30.4	103.3	103.3	8.2	5.3	8	87				<0.2	2.8					
IM4	Fine	Moderate	12:36	7.3	Surface	1.0	0.2	63	18.2	18.2	8.2	8.2	28.1	28.1	102.5	102.5	8.2	5.9	5	82	85	819719	804627	<0.2	2.7	2.7				
						1.0	0.2	57	18.2	18.2	8.2	8.2	28.1	28.1	102.5	102.5	8.2	6.0	4	82				<0.2	2.7					
					Middle	3.7	0.1	58	18.1	18.1	8.2	8.2	29.0	29.0	101.6	101.6	8.1	5.2	4	84				<0.2	2.7					
						3.7	0.1	58	18.1	18.1	8.2	8.2	29.0	29.0	101.6	101.6	8.1	5.2	5	85				<0.2	2.8					
					Bottom	6.3	0.0	52	18.0	18.0	8.2	8.2	30.1	30.1	101.2	101.3	8.0	5.2	7	87				<0.2	2.7					
						6.3	0.0	52	18.0	18.0	8.2	8.2	30.0	30.0	101.4	101.3	8.0	5.1	6	87				<0.2	2.6					
IM5	Fine	Moderate	12:28	6.5	Surface	1.0	0.3	60	18.3	18.3	8.1	8.1	27.1	27.1	103.0	103.1	8.2	2.4	3	81	84	820735	804890	<0.2	2.0	2.0				
						1.0	0.4	61	18.3	18.3	8.1	8.1	27.1	27.1	103.1	103.1	8.3	2.4	3	81				<0.2	2.0					
					Middle	3.3	0.3	60	18.1	18.1	8.2	8.2	28.7	28.7	102.9	102.9	8.2	3.3	4	84				<0.2	2.0					
						3.3	0.3	62	18.1	18.1	8.2	8.2	28.7	28.7	102.9	102.9	8.2	3.3	3	84				<0.2	2.0					
					Bottom	5.5	0.2	60	18.1	18.1	8.2	8.2	29.0	29.0	101.9	102.0	8.1	4.0	3	86				<0.2	2.0					
						5.5	0.2	64	18.1	18.1	8.2	8.2	29.0	29.0	102.0	102.0	8.1	4.0	3	87				<0.2	2.0					
IM6	Fine	Moderate	12:22	6.4	Surface	1.0	0.4	29	18.3	18.3	8.1	8.1	26.9	26.9	101.8	101.8	8.2	2.8	3	85	84	821073	805804	<0.2	2.0	2.0				
						1.0	0.4	28	18.3	18.3	8.1	8.1	26.9	26.9	101.8	101.8	8.2	2.9	4	84				<0.2	2.0					
					Middle	3.2	0.2	22	18.2	18.2	8.1	8.1	28.0	28.0	102.2	102.2	8.2	3.0	4	82				<0.2	2.0					
						3.2	0.2	23	18.2	18.2	8.2	8.1	28.1	28.0	102.2	102.2	8.2	3.1	4	82				<0.2	2.0					
					Bottom	5.4	0.2	25	18.1	18.1	8.1	8.1	28.7	28.7	101.9	101.9	8.1	4.5	4	86				<0.2	2.0					
						5.4	0.2	26	18.1	18.1	8.1	8.1	28.7	28.7	101.9	101.9	8.1	4.5	5	86				<0.2	2.0					
IM7	Fine	Moderate	12:16	7.8	Surface	1.0	0.5	28	18.4	18.4	8.1	8.1	26.1	26.1	100.9	101.0	8.1	2.3	2	81	83	821359	806855	<0.2	2.0	2.0				
						1.0	0.5	29	18.4	18.4	8.1	8.1	26.2	26.2	101.0	101.0	8.1	2.3	2	80				<0.2	2.0					
					Middle	3.9	0.4	27	18.2	18.2	8.1	8.1	27.8	27.8	100.5	100.5	8.0	4.9	3	83				<0.2	2.0					
						3.9	0.4	30	18.2	18.2	8.1	8.1	27.8	27.8	100.5	100.5	8.0	4.6	3	84				<0.2	2.0					
					Bottom	6.8	0.2	20	18.0	18.0	8.2	8.2	29.6	29.6	98.9	98.9	7.8	6.5	<2	85				<0.2	2.0					
						6.8	0.2	22	18.0	18.0	8.2	8.2	29.6	29.6	98.9	98.9	7.8	6.2	3	86				<0.2	1.9					
IM8	Fine	Rough	12:46	7.7	Surface	1.0	0.2	283	18.9	18.9	8.2	8.2	27.0	27.0	105.3	105.3	8.3	1.8	2	86	86	821824	808123	<0.2	2.2	2.2				
						1.0	0.2	294	18.9	18.9	8.2	8.2	27.0	27.0	105.3	105.3	8.3	1.8	2	85				<0.2	2.2					
					Middle	3.9	0.2	269	18.8	18.8	8.2	8.2	27.2	27.2	104.3	104.2	8.3	2.4	4	85				<0.2	2.1					
						3.9	0.2	293	18.8	18.8	8.2	8.2	27.2	27.2	104.3	104.2	8.3	2.5	3	85				<0.2	2.2					
					Bottom	6.7	0.1	253	18.7	18.7	8.2	8.2	27.4	27.4	103.7	103.7	8.2	3.1	3	88				<0.2	2.2					
						6.7	0.2	257	18.7	18.7	8.2	8.2	27.4	27.4	103.7	103.7	8.2	3.1	4	88				<0.2	2.1					

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

Water Quality Monitoring

Water Quality Monitoring Results on 29 January 19 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Rough	12:54	7.3	Surface	1.0	0.4	288	18.8	18.8	8.2	8.2	27.2	27.2	105.5	105.5	8.4	8.3	1.5	2.1	3	84	87	822083	808799	<0.2	<0.2	2.2	2.1			
						1.0	0.4	304	18.8	18.8	8.2	8.2	27.3	27.3	105.4	105.4	8.3	8.3	1.5	2.1	3	86	87	822083	808799	<0.2	<0.2	2.0	2.1			
					Middle	3.7	0.4	282	18.7	18.7	8.2	8.2	27.6	27.6	103.4	103.3	8.2	8.2	2.1	2.2	2	85	87	822083	808799	<0.2	<0.2	2.0	2.1			
						3.7	0.4	309	18.7	18.7	8.2	8.2	27.6	27.6	103.2	103.3	8.2	8.2	2.2	2.3	3	87	89	822083	808799	<0.2	<0.2	2.0	2.1			
					Bottom	6.3	0.2	280	18.6	18.6	8.2	8.2	27.8	27.8	103.2	103.3	8.2	8.2	2.6	2.6	<2	88	89	822083	808799	<0.2	<0.2	2.1	2.1			
						6.3	0.2	304	18.6	18.6	8.2	8.2	27.8	27.8	103.3	103.3	8.2	8.2	2.6	2.6	<2	89	89	822083	808799	<0.2	<0.2	2.1	2.1			
IM10	Fine	Rough	13:04	7.8	Surface	1.0	0.6	296	18.9	18.9	8.2	8.2	27.6	27.6	104.8	104.7	8.3	8.3	1.7	2.5	<2	84	87	822381	809772	<0.2	<0.2	2.1	2.2			
						1.0	0.6	323	18.9	18.9	8.2	8.2	27.6	27.6	104.5	104.5	8.3	8.3	1.8	2.7	2	85	87	822381	809772	<0.2	<0.2	2.2	2.0			
					Middle	3.9	0.5	297	18.7	18.7	8.2	8.2	27.9	27.9	102.7	102.6	-	-	2.5	4	86	87	822381	809772	<0.2	<0.2	2.0	2.0				
						3.9	0.5	325	18.7	18.7	8.2	8.2	27.9	27.9	102.5	102.5	-	-	2.7	4	87	89	822381	809772	<0.2	<0.2	2.0	2.1				
					Bottom	6.8	0.2	305	18.7	18.7	8.2	8.2	28.0	28.0	102.2	102.2	8.1	8.1	3.2	4	89	90	822381	809772	<0.2	<0.2	2.1	2.0				
						6.8	0.3	330	18.7	18.7	8.2	8.2	28.0	28.0	102.2	102.2	8.1	8.1	3.2	4	90	89	822381	809772	<0.2	<0.2	2.0	2.0				
IM11	Fine	Rough	13:19	8.4	Surface	1.0	0.7	300	18.9	18.9	8.2	8.2	27.8	27.8	105.9	105.9	8.3	8.2	1.3	3	85	86	822045	811478	<0.2	<0.2	1.8	1.7				
						1.0	0.7	300	18.9	18.9	8.2	8.2	27.8	27.8	105.8	105.8	8.3	8.2	1.3	3	85	86	822045	811478	<0.2	<0.2	1.7	1.7				
					Middle	4.2	0.6	293	18.5	18.5	8.2	8.2	28.7	28.7	101.4	101.4	8.0	8.0	2.8	5	85	85	822045	811478	<0.2	<0.2	1.8	1.9				
						4.2	0.6	318	18.5	18.5	8.2	8.2	28.7	28.7	101.3	101.3	8.0	8.0	2.9	4	85	85	822045	811478	<0.2	<0.2	2.0	2.0				
					Bottom	7.4	0.4	279	18.5	18.5	8.2	8.2	28.8	28.8	101.4	101.5	8.0	8.0	3.2	<2	88	89	822045	811478	<0.2	<0.2	2.0	2.0				
						7.4	0.5	297	18.5	18.5	8.2	8.2	28.7	28.7	101.6	101.6	8.0	8.0	3.2	2	89	89	822045	811478	<0.2	<0.2	2.0	2.0				
IM12	Fine	Rough	13:26	8.9	Surface	1.0	0.6	287	18.9	18.9	8.2	8.2	27.9	27.9	106.8	106.8	8.4	8.2	1.5	<2	87	87	821441	812057	<0.2	<0.2	1.8	1.7				
						1.0	0.7	315	18.9	18.9	8.2	8.2	27.9	27.9	106.7	106.7	8.4	8.2	1.6	<2	87	87	821441	812057	<0.2	<0.2	1.7	1.7				
					Middle	4.5	0.6	289	18.5	18.5	8.2	8.2	28.6	28.6	101.5	101.4	8.0	8.0	6.4	2	86	86	821441	812057	<0.2	<0.2	1.8	1.8				
						4.5	0.7	294	18.5	18.5	8.2	8.2	28.7	28.7	101.2	101.2	8.0	8.0	7.2	3	86	86	821441	812057	<0.2	<0.2	1.7	1.7				
					Bottom	7.9	0.4	283	18.5	18.5	8.2	8.2	29.0	29.0	101.1	101.3	8.0	8.0	11.4	<2	89	89	821441	812057	<0.2	<0.2	1.9	1.9				
						7.9	0.4	292	18.5	18.5	8.2	8.2	29.0	29.0	101.5	101.5	8.0	8.0	11.2	<2	89	89	821441	812057	<0.2	<0.2	2.0	2.0				
SR1A	Fine	Moderate	13:45	4.2	Surface	1.0	-	-	18.8	18.8	8.2	8.2	28.1	28.1	107.9	107.9	8.5	8.5	2.2	3	-	-	-	819975	812655	-	-	-	-			
						1.0	-	-	18.8	18.8	8.2	8.2	28.2	28.2	107.9	107.9	8.5	8.5	2.3	2	-	-	-	-	-	819975	812655	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.2	-	-	18.7	18.7	8.2	8.2	29.0	29.0	105.4	105.4	8.3	8.3	3.8	4	-	-	-	-	3	-	-	-	-	-	-	-
						3.2	-	-	18.7	18.7	8.2	8.2	29.0	29.0	105.0	105.0	8.2	8.2	3.8	3	-	-	-	-	-	-	-	-	-	-	-	-
SR2	Fine	Moderate	13:59	4.9	Surface	1.0	0.3	300	18.8	18.8	8.2	8.2	28.7	28.7	107.0	107.0	8.4	8.4	3.0	4	84	85	821485	814172	<0.2	<0.2	1.3	1.3				
						1.0	0.3	313	18.8	18.8	8.2	8.2	28.7	28.7	107.0	107.0	8.4	8.4	3.0	3	-	-	-	-	86	821485	814172	<0.2	<0.2	1.3	1.3	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	<0.2	-	-	1.4	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	-	-	-	
					Bottom	3.9	0.2	300	18.7	18.7	8.2	8.2	28.8	28.8	106.0	106.0	8.3	8.3	3.6	3	88	88	821485	814172	<0.2	<0.2	1.4	1.4				
						3.9	0.2	312	18.7	18.7	8.2	8.2	28.8	28.8	105.9	105.9	8.3	8.3	3.6	2	88	88	821485	814172	<0.2	<0.2	1.4	1.4				
SR3	Fine	Rough	12:38	8.8	Surface	1.0	0.4	277	19.0	19.0	8.2	8.2	26.6	26.7	104.8	104.8	8.3	8.3	1.7	3	-	-	-	822129	807562	-	-	-	-			
						1.0	0.4	289	19.0	19.0	8.2	8.2	26.7	26.7	104.8	104.8	8.3	8.3	1.7	2	-	-	-	-	-	-	-	-	-	-		
					Middle	4.4	0.2	259	18.8	18.8	8.2	8.2	27.1	27.1	103.9	103.8	8.2	8.2	1.7	2	-	-	-	-	3	-	-	-	-	-	-	
						4.4	0.2	271	18.8	18.8	8.2	8.2	27.2	27.1	103.7	103.7	8.2	8.2	1.6	3	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.8	0.1	295	18.7	18.7	8.2	8.2	27.4	27.4	103.6	103.7	8.2	8.2	1.6	2	-	-	-	-	-	-	-	-	-	-	-	-
						7.8	0.1	295	18.7	18.7	8.2	8.2	27.4	27.4	103.7	103.7	8.2	8.2	1.6	3	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Calm	13:24	8.3	Surface	1.0	0.2	228	18.2	18.2	8.2	8.2	30.0	30.0	104.4	104.4	8.2	8.2	4.1	5	-	-	-	817194	807795	-	-	-	-			
						1.0	0.3	248	18.2	18.2	8.2	8.2	30.1	30.1	104.3	104.3	8.2	8.2	4.0	4	-	-	-	-	-	-	-	-	-	-		
					Middle	4.2	0.2	240	18.1	18.1	8.2	8.2	30.1	30.1	103.3	103.3	-	-	3.8	4	-	-	-	-	-	817194	807795	-	-	-	-	
						4.2	0.2	247	18.1	18.1	8.2	8.2	30.1	30.1	103.2	103.2	-	-	3.8	5	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.3	0.2	237	18.0	18.0	8.2	8.2	30.1	30.1	102.7	102.7	8.1	8.1	3.7	5	-	-	-	-	-	-	817194	807795	-	-	-	-
						7.3	0.2	256	18.0	18.0	8.2	8.2	30.1	30.1	102.7	102.7	8.1	8.1	3.7	5	-	-	-	-	-	-	-	817194	807795	-	-	-
SR5A	Fine	Calm	13:41	3.6	Surface	1.0	0.2	275	18.3	18.3	8.2	8.2	30.1	30.1	102.9	102.9	8.1	8.1	5.2	6	-	-	-	816578	810705	-	-	-	-			
						1.0	0.2	279	18.3	18.3	8.2	8.2	30.1	30.1	102.9	102.9	8.1	8.1	5.2	6	-	-	-	-	-	-	-	-	-	-		
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	2.6	0.2	310	18.3	18.3	8.2	8.2	30.1	30.1	102.8	102.8	8.1	8.1	5.2	6	-	-	-	-	-	-	-	-	-	-	-	-
						2.6	0.2	329	18.3	18.3	8.2	8.2	30.1	30.1	102.8	102.8	8.1	8.1	5.3	6	-	-	-	-	-	-	-	-	-	-	-	-
SR6	Fine	Calm	14:18	4.5	Surface	1.0	0.1	189	18.3	18.3	8.2	8.2	29.3	29.3	106.7	106.6	8.4	8.4	4.3	6	-	-	-	817890	814669	-	-	-	-			
						1.0	0.2	201	18.3	18.3	8.2	8.2	29.3	29.3	106.5	106.5	8.4	8.4	4.3	5	-	-	-	-	-	817890	814669	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.5	0.2	188	18.3	18.3	8.2	8.2	29.3	29.3	105.6	105.5	8.3	8.3	4.1	5	-	-	-	-	-	-	-	-	-	-	-	-
						3.5</																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 January 19 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	10:19	8.3	Surface	1.0	0.3	211	18.7	18.7	8.2	8.2	28.6	28.6	103.4	103.3	8.1	1.5	2		85		87		815635	804252	<0.2		3.6					
						1.0	0.3	227	18.7		8.2		28.6		103.1		8.1	1.5	4		86		87				<0.2		3.7					
					Middle	4.2	0.2	230	18.7	18.7	8.2	8.2	28.8	28.8	101.3	101.3	8.0	2.5	3	4	87		87				<0.2		3.4	3.7				
						4.2	0.2	251	18.7		8.2		28.8		101.2		8.0	2.6	4		87		88				<0.2		3.6					
					Bottom	7.3	0.1	264	18.7	18.7	8.2	8.2	28.8	28.8	101.6	102.0	8.0	2.9	4		88		88				<0.2		4.0					
						7.3	0.1	287	18.7		8.2		28.8		102.3		8.0	2.6	5		88		89				<0.2		3.8					
C2	Fine	Moderate	11:52	8.9	Surface	1.0	0.1	145	19.1	19.1	8.1	8.1	26.8	26.9	101.1	101.0	8.0	3.1	3		84		87		825663	806948	<0.2		4.1					
						1.0	0.1	148	19.1		8.1		27.0		100.9		8.0	3.2	3		86		86				<0.2		4.3					
					Middle	4.5	0.1	149	19.0	19.0	8.1	8.1	28.1	28.1	100.4	100.4	-	6.9	4	4	86		86				<0.2		3.8	4.2				
						4.5	0.1	149	19.0		8.1		28.1		100.4		-	7.0	3		86		88				<0.2		4.0					
					Bottom	7.9	0.1	182	19.0	19.0	8.1	8.1	28.5	28.5	99.6	99.5	7.8	5.1	4		88		88				<0.2		4.6					
						7.9	0.1	194	19.0		8.1		28.5		99.3		7.8	5.6	4		89		89				<0.2		4.5					
C3	Fine	Moderate	09:37	10.5	Surface	1.0	0.0	48	18.7	18.7	8.1	8.1	29.8	29.8	100.7	100.7	7.9	1.5	3		84		86		822090	817796	<0.2		4.5					
						1.0	0.0	49	18.7		8.1		29.8		100.6		7.9	1.6	3		85		85				<0.2		4.6					
					Middle	5.3	0.4	258	18.7	18.7	8.1	8.1	30.2	30.2	98.3	98.3	7.7	1.8	4	3	84		85				<0.2		4.3	4.5				
						5.3	0.4	276	18.7		8.1		30.2		98.2		7.7	1.7	3		85		88				<0.2		4.5					
					Bottom	9.5	0.3	266	18.6	18.6	8.1	8.1	30.4	30.4	97.4	97.4	7.6	1.8	3		88		88				<0.2		4.4					
						9.5	0.3	268	18.6		8.1		30.4		97.4		7.6	1.9	4		89		89				<0.2		4.4					
IM1	Fine	Moderate	10:42	5.4	Surface	1.0	0.2	211	18.7	18.7	8.2	8.2	28.7	28.7	100.7	100.5	7.9	2.6	3		84		85		817958	807117	<0.2		4.4					
						1.0	0.2	211	18.7	18.7	8.2	8.2	28.7	28.7	100.3		7.9	2.8	3		85		85				<0.2		4.2					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2		-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.4	0.2	218	18.7	18.7	8.2	8.2	28.8	28.8	99.4	99.4	7.8	3.8	3		87		87				<0.2		3.9					
						4.4	0.2	219	18.7		8.2		28.8		99.3		7.8	3.7	4		87		87				<0.2		4.1					
IM2	Fine	Moderate	10:50	6.2	Surface	1.0	0.3	171	18.8	18.8	8.3	8.3	28.3	28.3	107.9	107.9	8.5	1.8	4		83		83		818155	806170	<0.2		3.6					
						1.0	0.4	174	18.8		8.3		28.3		107.8		8.5	1.8	4		83		85				<0.2		3.4	4.0				
					Middle	3.1	0.2	172	18.8	18.8	8.3	8.3	28.6	28.6	106.1	106.1	8.3	2.1	4	5	85		86				<0.2		4.7					
						3.1	0.2	186	18.8		8.3		28.7		106.0		8.3	2.2	3		86		88				<0.2		4.4					
					Bottom	5.2	0.2	166	18.8	18.8	8.3	8.3	28.8	28.8	104.3	104.2	8.2	3.4	8		88		88				<0.2		4.0					
						5.2	0.2	179	18.8		8.3		28.8		104.1		8.2	3.6	7		88		88				<0.2		3.9					
IM3	Fine	Moderate	10:57	6.7	Surface	1.0	0.2	240	18.9	18.9	8.2	8.2	27.7	27.7	106.2	106.2	8.4	1.5	4		84		84		818761	805590	<0.2		4.4					
						1.0	0.2	242	18.9		8.2		27.7		106.1		8.4	1.5	4		84		85				<0.2		4.6					
					Middle	3.4	0.2	251	18.8	18.8	8.2	8.2	28.7	28.7	103.4	103.4	8.1	2.1	4	4	85		86				<0.2		4.7	4.4				
						3.4	0.3	263	18.8		8.2		28.7		103.3		8.1	2.1	4		86		88				<0.2		4.5					
					Bottom	5.7	0.2	244	18.7	18.7	8.2	8.2	28.9	28.9	101.1	100.9	7.9	2.3	4		88		88				<0.2		4.1					
						5.7	0.2	252	18.7		8.2		28.9		100.7		7.9	2.3	3		89		89				<0.2		4.2					
IM4	Fine	Moderate	11:07	7.3	Surface	1.0	0.2	222	19.2	19.2	8.2	8.2	25.6	25.6	104.6	104.6	8.3	1.9	5		85		85		819709	804617	<0.2		4.0					
						1.0	0.2	243	19.2		8.2		25.6		104.6		8.3	1.9	5		85		86				<0.2		3.7	4.0				
					Middle	3.7	0.2	233	19.0	19.0	8.2	8.2	27.4	27.4	104.6	104.6	8.2	1.8	3	4	86		86				<0.2		4.1					
						3.7	0.2	249	19.0		8.2		27.4		104.6		8.2	1.8	3		86		88				<0.2		4.1					
					Bottom	6.3	0.1	268	18.8	18.8	8.3	8.3	28.6	28.6	103.7	103.7	8.1	1.8	5		88		88				<0.2		4.1					
						6.3	0.1	274	18.8		8.3		28.6		103.6		8.1	1.8	4		88		88				<0.2		4.2					
IM5	Fine	Moderate	11:18	6.5	Surface	1.0	0.5	255	19.2	19.2	8.2	8.2	24.9	24.9	103.7	103.7	8.3	1.8	3		85		85		820715	804889	<0.2		4.4					
						1.0	0.5	255	19.2		8.2		25.0		103.6		8.3	1.8	3		85		87				<0.2		4.1	4.0				
					Middle	3.3	0.4	251	18.9	18.9	8.2	8.2	27.5	27.5	103.8	103.8	8.2	2.2	3	4	87		87				<0.2		4.0					
						3.3	0.4	273	18.9		8.3		27.6		103.8		8.2	2.4	4		87		88				<0.2		4.0					
					Bottom	5.5	0.3	259	18.8	18.8	8.3	8.3	28.1	28.1	103.3	103.1	8.1	3.1	5		88		88				<0.2		3.8					
						5.5	0.3	259	18.8		8.3		28.1		102.9		8.1	3.0	4		89		89				<0.2		3.7					
IM6	Fine	Moderate	11:28	6.4	Surface	1.0	0.6	260	19.2	19.2	8.2	8.2	23.8	23.8	104.8	104.8	8.4	2.0	3		84		84		821038	805807	<0.2		4.0					
						1.0	0.6	268	19.2		8.2		23.8		104.8		8.4	2.0	3		84		84				<0.2		3.9					
					Middle	3.2	0.5	277	18.9	18.9	8.3	8.3	27.1	27.2	105.8	105.8	8.4	2.1	4	4	86		86				<0.2		3.4	3.8				
						3.2	0.6	293	18.9		8.3		27.3		105.8		8.4	2.1	4		85		85				<0.2		3.6					
					Bottom	5.4	0.4	268	18.8	18.8	8.3	8.3	28.1	28.1	105.4	105.4	8.3	2.4	4		88		88				<0.2		3.9					
						5.4	0.5	280	18.8		8.3		28.1		105.3		8.3	2.4	3		89		89				<0.2		3.9					
IM7	Fine	Moderate	11:42	8.0	Surface	1.0	0.5	221	19.1	19.1	8.2	8.2	26.5	26.5	103.4	103.4	8.2	1.8	4		85		85		821333	806844	<0.2		4.0					
						1.0	0.6	227	19.1		8.2		26.5		103.4		8.2	1.9	3		85		86				<0.2		3.8					
					Middle	4.0	0.5	226	19.0	19.0	8.2	8.2	27.3	27.3	102.8	102.8	8.1	2.2	4	4	85		86				<0.2		3.8	3.7				
						4.0	0.5	230	19.0		8.2		27.3		102.8		8.1	2.3	4		86		88				<0.2		3.6					
					Bottom	7.0	0.4	234	18.9	18.9	8.2	8.2	27.5	27.5	102.8	102.9	8.1	2.2	5		88		88				<0.2		3.4					
						7.0	0.5	252	18.9		8.2		27.5		102.9		8.1	2.2	6		88		88				<0.2		3.6					
IM8	Fine	Moderate	11:15	7.6	Surface	1.0	0.1	245	19.2	19.2	8.1	8.1	24.1	24.1	104.3	104.4	8.4	3.0	4		85		85		821809	808149	<0.2		4.1					
						1.0	0.1	245	19.2		8.1		24.1		104.4		8.4	3.0	4		86		86				<0.2		4.2					
					Middle	3.8	0.1	228	18.9	18.9	8.1	8.1	27.5	27.6	105.5	105.5	8.3	3.1	4	4	85		85				<0.2		4.4	4.2				
						3.8	0.1	230	18.9																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 January 19 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	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	11:08	7.2	Surface	1.0	0.1	159	19.2	19.2	8.1	8.1	25.3	25.3	103.4	103.4	8.2	2.7	2.7	4	86	87	822090	808820	<0.2	3.9	3.9	3.9								
						1.0	0.1	169	19.2		8.1		25.3		103.3		8.2	2.7	4	86					<0.2	3.9										
					Middle	3.6	0.1	160	19.0	19.0	8.1	8.1	27.9	27.9	103.4	103.5	8.1	3.5	5	86	87			<0.2	4.0	4.0										
						3.6	0.1	172	18.9		8.1		28.0		103.5		8.1	3.7	5	87					<0.2	3.8										
					Bottom	6.2	0.1	160	18.8	18.9	8.1	8.1	28.5	28.4	102.6	102.2	8.1	4.4	4	88	88			<0.2	3.8	3.8										
						6.2	0.1	168	19.0		8.1		28.3		101.7		8.0	3.9	4	88					<0.2	4.0	4.0									
IM10	Fine	Moderate	10:59	8.1	Surface	1.0	0.3	86	19.2	19.2	8.1	8.1	26.0	26.0	104.1	104.1	8.2	2.6	2.6	6	85	85	822393	809782	<0.2	3.8	3.8	4.0								
						1.0	0.4	86	19.2		8.1		26.0		104.1		8.3	2.6	5	85					<0.2	3.8										
					Middle	4.1	0.2	72	19.0	19.0	8.1	8.1	27.7	27.7	104.0	104.0	8.2	2.5	6	87	87			<0.2	4.2	4.2										
						4.1	0.2	75	19.0		8.1		27.7		104.0		8.2	2.5	5	87					<0.2	4.2										
					Bottom	7.1	0.0	74	18.9	18.9	8.1	8.1	29.0	28.9	101.9	101.9	8.0	2.7	4	89	88			<0.2	3.7	3.7										
						7.1	0.0	75	18.9		8.1		28.9		101.8		8.0	2.7	5	88					<0.2	4.0	4.0									
IM11	Fine	Moderate	10:48	11.7	Surface	1.0	0.0	45	18.9	18.9	8.1	8.1	28.2	28.2	105.2	105.2	8.3	2.3	2.3	4	84	85	822062	811473	<0.2	4.1	4.1	4.1								
						1.0	0.0	48	18.9		8.1		28.2		105.1		8.3	2.3	4	85					<0.2	3.8	3.8									
					Middle	5.9	0.1	100	18.8	18.8	8.1	8.1	29.2	29.2	101.9	101.9	-	3.0	4	86	86			<0.2	4.0	4.0										
						5.9	0.1	113	18.8		8.1		29.2		101.8		-	3.0	5	86					<0.2	4.2	4.2									
					Bottom	10.7	0.1	150	18.8	18.8	8.1	8.1	29.6	29.7	98.3	98.3	7.7	5.7	4	88	88			<0.2	4.0	4.0										
						10.7	0.1	161	18.8		8.1		29.7		98.3		7.7	5.8	3	88					<0.2	4.2	4.2									
IM12	Fine	Moderate	10:36	10.7	Surface	1.0	0.0	91	18.8	18.8	8.2	8.2	28.7	28.7	107.2	107.2	8.4	2.4	2.4	4	85	85	821468	812046	<0.2	4.2	4.3	4.0								
						1.0	0.0	94	18.8		8.2		28.7		107.1		8.4	2.5	2	85					<0.2	4.3	4.3									
					Middle	5.4	0.1	119	18.8	18.8	8.2	8.1	29.0	29.0	105.5	105.4	8.3	3.2	3	86	86			<0.2	3.9	3.9										
						5.4	0.1	116	18.8		8.1		29.0		105.2		8.2	3.4	3	86					<0.2	3.9	3.9									
					Bottom	9.7	0.1	162	18.8	18.8	8.1	8.1	29.4	29.4	100.6	100.6	7.9	6.9	4	89	89			<0.2	3.8	3.8										
						9.7	0.1	170	18.8		8.1		29.4		100.5		7.9	7.1	4	89					<0.2	4.1	4.1									
SR1A	Fine	Calm	10:20	4.8	Surface	1.0	-	-	18.8	18.8	8.1	8.1	29.0	29.0	104.1	104.0	8.2	2.1	2.1	5	-	-	819982	812663	-	-	-	-								
						1.0	-	-	18.8		8.1		29.0		103.9		8.2	2.1	5	-	-	-	-	-	-	-										
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
					Bottom	3.8	-	-	18.7	18.7	8.1	8.1	29.2	29.2	101.8	101.9	8.0	3.2	4	-	-	-	-	-	-	-	-		-							
						3.8	-	-	18.7		8.1		29.2		102.0		8.0	3.2	4	-	-	-	-	-	-	-	-		-							
SR2	Fine	Moderate	10:03	5.0	Surface	1.0	0.1	53	18.8	18.8	8.1	8.1	29.1	29.1	100.2	100.0	7.9	3.6	4.0	4	84	84	821483	814166	<0.2	4.3	4.2	4.2								
						1.0	0.1	54	18.8		8.1		29.1		99.8		7.9	4.0	3	-	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
					Bottom	4.0	0.1	17	18.8	18.8	8.1	8.1	29.2	29.2	99.0	99.0	7.8	5.1	5	87	88			<0.2	4.4	4.0										
						4.0	0.1	17	18.8		8.1		29.2		99.0		7.8	5.1	6	-	-	-	-	-	<0.2	4.0	4.0									
SR3	Fine	Moderate	11:22	8.6	Surface	1.0	0.2	112	19.1	19.1	8.1	8.1	26.8	26.8	103.0	103.0	8.1	2.5	2.5	5	-	-	822142	807550	-	-	-	-								
						1.0	0.2	116	19.1		8.1		26.8		103.0		8.1	2.5	5	-	-	-	-	-	-	-	-									
					Middle	4.3	0.2	195	19.0	19.0	8.1	8.1	27.6	27.6	102.4	102.4	-	2.8	4	-	-	-	-	-	-	-	-									
						4.3	0.2	196	19.0		8.1		27.6		102.3		-	2.9	5	-	-	-	-	-	-	-	-									
					Bottom	7.6	0.2	184	18.9	18.9	8.1	8.1	28.3	28.4	103.4	103.4	8.1	3.7	4	-	-	-	-	-	-	-	-									
						7.6	0.2	192	18.8		8.1		28.4		103.4		8.1	3.8	4	-	-	-	-	-	-	-	-									
SR4A	Cloudy	Calm	09:58	8.8	Surface	1.0	0.3	48	18.7	18.7	8.2	8.2	29.5	29.5	101.0	100.9	7.9	1.0	1.0	4	-	-	817168	807793	-	-	-	-								
						1.0	0.3	45	18.7		8.2		29.5		100.8		7.9	1.0	4	-	-	-	-	-	-	-										
					Middle	4.4	0.1	101	18.7	18.7	8.2	8.2	29.6	29.7	99.9	99.8	7.8	1.1	6	-	-	-	-	-	-	-	-									
						4.4	0.1	104	18.7		8.2		29.8		99.6		7.8	1.2	6	-	-	-	-	-	-	-	-									
					Bottom	7.8	0.1	135	18.6	18.6	8.2	8.2	29.9	29.8	99.9	100.0	7.8	1.2	7	-	-	-	-	-	-	-	-									
						7.8	0.1	136	18.6		8.2		29.8		100.1		7.8	1.2	8	-	-	-	-	-	-	-	-									
SR5A	Cloudy	Calm	09:41	3.6	Surface	1.0	0.4	88	18.7	18.7	8.2	8.2	29.4	29.4	101.2	101.2	7.9	1.1	1.1	5	-	-	816601	810678	-	-	-	-								
						1.0	0.4	93	18.7		8.2		29.4		101.1		7.9	1.1	5	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	2.6	0.3	85	18.7	18.7	8.2	8.2	29.6	29.6	99.8	99.7	7.8	1.2	7	-	-	-	-	-	-	-	-									
						2.6	0.3	95	18.7		8.2		29.6		99.7		7.8	1.1	8	-	-	-	-	-	-	-										
SR6	Cloudy	Calm	09:16	4.2	Surface	1.0	0.1	110	18.6	18.6	8.2	8.2	30.0	30.1	97.7	97.7	7.6	1.3	1.3	4	-	-	817907	814648	-	-	-	-								
						1.0	0.1	120	18.6		8.2		30.1		97.6		7.6	1.3	4	-	-	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	3.2	0.1	111	18.6	18.6	8.2	8.2	30.2	30.2	96.8	96.7	7.6	1.7	4	-	-	-	-	-	-	-	-									
						3.2	0.1	115	18.6		8.2		30.2		96.7		7.6	1.7	3	-	-	-	-	-	-	-	-									
SR7	Fine	Moderate	09:00	16.6	Surface	1.0	0.0	95	18.6	18.6	8.1	8.1	30.4	30.4	97.4	97.4	7.6	1.9	1.9	2	-	-	823622	823738	-	-	-	-								
						1.0	0.0	92	18.6		8.1		30.5		97.3		7.6	1.9	3	-	-	-	-	-	-											
					Middle	8.3	0.1	102	18.6	18.6	8.1	8.1	30.7	30.7	96.0	96.0	7.5	2.9	4	-	-	-	-	-	-	-										
						8.3	0.1	102	18.6		8.1		30.7		96.0		7.5	3.0	5	-	-	-	-	-	-	-										
					Bottom	15.6	0.1	97	18.6	18.6	8.1	8.0	30.7	30.7	96.0	96.0	7.5	2.8	6	-	-	-	-	-	-	-										
						15.6	0.1	100	18.6		8.0		30.7		96.0		7.5	2.7	6	-	-	-	-	-	-	-										
SR8	Fine	Calm	10:30	4.6	Surface	1.0	-	-	18.8	18.8	8.1	8.1	29.0	29.0	104.5	104.4	8.2	2.1	2.1	7	-	-	820381	811637	-	-	-	-								
						1.0	-	-	18.8		8.1		29.0		104.3		8.2	2.1	7	-	-	-	-	-	-	-										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	3.6	-	-	18.7	18																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 31 January 19 during Mid-Flood Tide

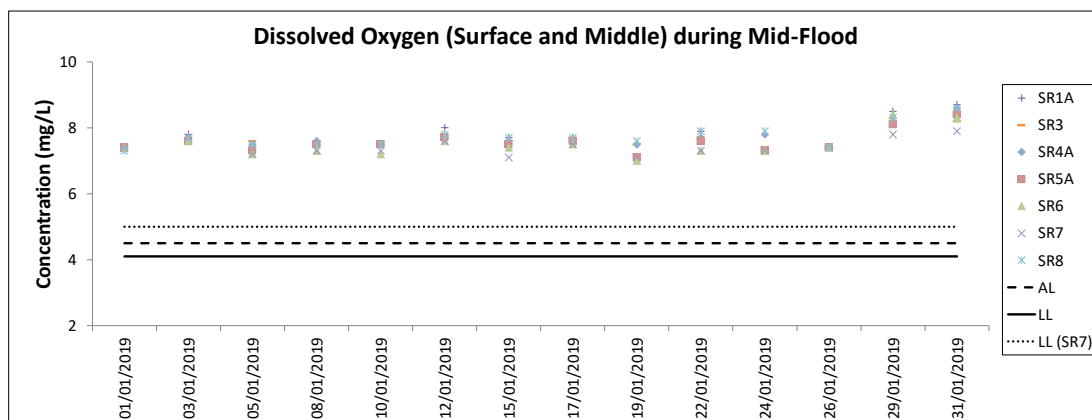
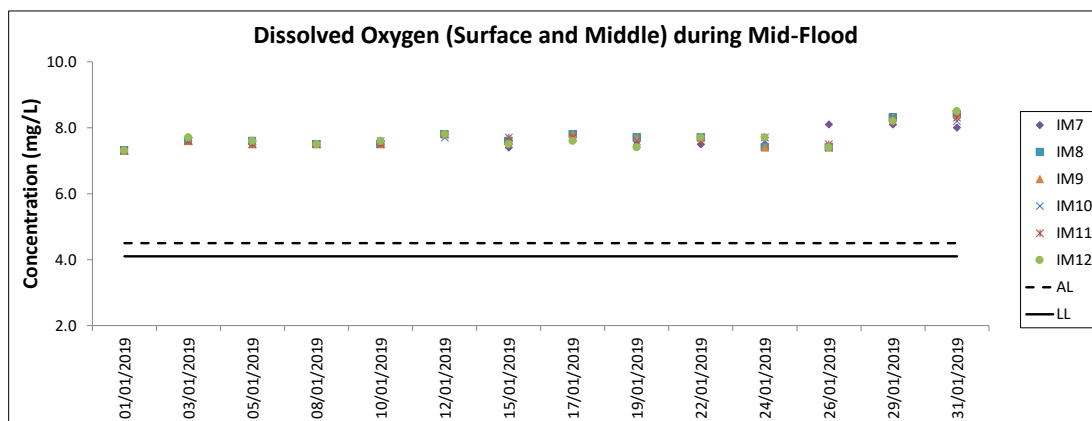
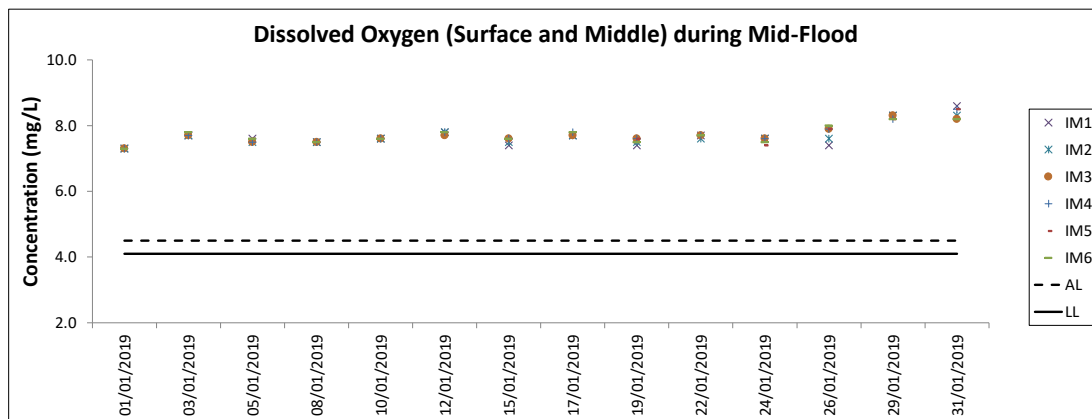
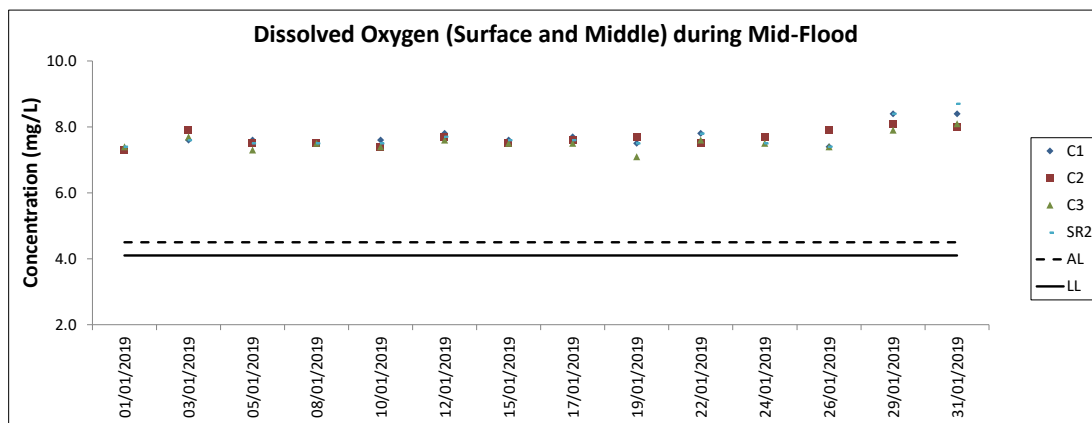
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	15:26	7.9	Surface	1.0	0.3	45	19.1	19.1	8.3	8.3	26.6	26.8	108.7	108.7	8.6	1.9	4	84	87	84	<0.2	<0.2	3.6	4.0				
						1.0	0.3	45	19.1		8.3		26.9		108.6		8.6	1.9	5	85		85		<0.2	<0.2	3.7				
					Middle	4.0	0.4	46	18.8	18.8	8.2	8.2	28.6	28.6	104.9	104.8	8.2	1.6	5	87	6	87	87	<0.2	<0.2	4.3				
						4.0	0.5	48	18.8		8.2		28.6		104.7		8.2	1.7	6	87		87		<0.2	<0.2	4.1				
					Bottom	6.9	0.4	44	18.9	19.0	8.2	8.2	28.8	28.8	105.7	106.0	8.3	1.9	8	88	6	88	88	<0.2	<0.2	4.1				
						6.9	0.4	46	19.0		8.2		28.8		106.2		8.3	1.9	8	88		88		<0.2	<0.2	4.2				
C2	Fine	Moderate	13:52	8.7	Surface	1.0	0.1	32	19.1	19.1	8.1	8.1	26.9	27.0	101.4	101.3	8.0	2.8	7	86	6	86	86	84	<0.2	<0.2	3.7	3.7		
						1.0	0.1	33	19.1		8.1		27.1		101.1		8.0	2.8	6	86		86		<0.2	<0.2	3.8				
					Middle	4.4	0.2	65	19.0	19.0	8.1	8.1	28.1	28.1	100.9	100.9	7.9	2.5	6	89	6	89	89	<0.2	<0.2	3.4				
						4.4	0.2	67	19.0		8.1		28.1		100.9		7.9	2.4	6	89		89		<0.2	<0.2	3.6				
					Bottom	7.7	0.1	68	19.0	19.0	8.1	8.1	28.5	28.5	100.2	100.2	7.9	2.3	7	88	6	88	88	<0.2	<0.2	3.6				
						7.7	0.1	65	19.0		8.1		28.5		100.2		7.9	2.4	6	88		88		<0.2	<0.2	3.8				
C3	Fine	Moderate	16:17	10.2	Surface	1.0	0.3	102	18.9	18.9	8.1	8.1	29.6	29.6	106.5	106.5	8.3	1.3	6	85	6	85	85	84	<0.2	<0.2	3.8	3.8		
						1.0	0.3	109	18.9		8.1		29.6		106.4		8.3	1.3	6	85		85		<0.2	<0.2	4.1				
					Middle	5.1	0.0	311	18.8	18.8	8.1	8.1	29.9	29.9	102.2	102.0	8.0	1.4	6	86	6	86	86	<0.2	<0.2	3.8				
						5.1	0.0	332	18.8		8.1		30.0		101.7		7.9	1.4	7	86		86		<0.2	<0.2	3.7				
					Bottom	9.2	0.0	223	18.7	18.7	8.1	8.1	30.1	30.1	100.7	100.7	7.9	1.4	6	88	6	88	88	<0.2	<0.2	3.7				
						9.2	0.0	242	18.7	18.7	8.1	8.1	30.1	30.1	100.7	100.7	7.9	1.4	6	89		89		<0.2	<0.2	3.9				
IM1	Fine	Moderate	14:55	4.8	Surface	1.0	0.2	33	19.2	19.2	8.3	8.3	26.5	26.6	108.4	108.4	8.6	1.9	7	81	6	81	81	84	<0.2	<0.2	3.8	3.7		
						1.0	0.3	34	19.1		8.3		26.8		108.4		8.6	2.0	6	83		83		<0.2	<0.2	3.9				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	<0.2	<0.2	-	
						3.8	0.2	39	18.8	18.8	8.3	8.3	28.4	28.4	106.7	106.6	8.4	1.6	7	85	6	85	85	<0.2	<0.2	3.6				
					Bottom	3.8	0.2	40	18.8	18.8	8.3	8.3	28.5	28.4	106.5	106.6	8.4	1.7	7	86		86		<0.2	<0.2	3.6				
IM2	Fine	Moderate	14:47	7.2	Surface	1.0	0.2	54	19.1	19.1	8.2	8.2	25.8	25.8	107.4	107.4	8.5	1.8	7	84	6	84	84	84	<0.2	<0.2	4.0	3.9		
						1.0	0.2	55	19.1		8.2		25.8		107.5		8.5	1.7	7	85		85		<0.2	<0.2	3.8				
					Middle	3.6	0.2	8	18.8	18.8	8.2	8.2	28.5	28.5	102.5	102.3	8.1	2.3	5	87	6	87	87	<0.2	<0.2	3.7				
						3.6	0.2	8	18.8		8.2		28.6		102.1		8.0	2.4	5	88		88		<0.2	<0.2	3.9				
					Bottom	6.2	0.1	40	18.8	18.8	8.2	8.2	28.8	28.8	101.2	101.2	7.9	3.1	6	89	6	89	89	<0.2	<0.2	3.9				
						6.2	0.1	45	18.8		8.2		28.8		101.2		7.9	3.1	5	90		90		<0.2	<0.2	3.9				
IM3	Fine	Moderate	14:38	6.5	Surface	1.0	0.2	51	19.3	19.3	8.2	8.2	26.4	26.4	104.8	104.8	8.3	1.8	5	84	6	84	84	84	<0.2	<0.2	4.1	3.9		
						1.0	0.2	56	19.2		8.2		26.4		104.8		8.3	1.9	4	85		85		<0.2	<0.2	3.9				
					Middle	3.3	0.2	25	19.0	19.0	8.2	8.2	27.3	27.4	103.7	103.5	8.2	2.3	7	89	6	89	89	<0.2	<0.2	4.0				
						3.3	0.2	25	19.0		8.2		27.6		103.2		8.1	2.4	7	90		90		<0.2	<0.2	3.9				
					Bottom	5.5	0.3	41	18.9	18.9	8.2	8.2	27.7	27.6	101.6	101.5	8.0	2.6	8	90	6	90	90	<0.2	<0.2	3.7				
						5.5	0.3	44	18.9		8.2		27.6		101.4		8.0	2.6	6	89		89		<0.2	<0.2	3.8				
IM4	Fine	Moderate	14:27	7.1	Surface	1.0	0.4	58	19.1	19.1	8.2	8.2	26.3	26.3	106.9	106.9	8.5	2.5	6	84	6	84	84	84	<0.2	<0.2	3.2	3.5		
						1.0	0.4	56	19.1		8.2		26.4		106.9		8.5	2.6	6	85		85		<0.2	<0.2	3.1				
					Middle	3.6	0.4	51	18.9	18.9	8.3	8.3	27.3	27.4	106.2	106.2	8.4	4.0	7	88	6	88	88	<0.2	<0.2	3.6				
						3.6	0.4	55	18.9		8.3		27.4		106.1		8.4	4.6	6	89		89		<0.2	<0.2	3.8				
					Bottom	6.1	0.3	7	18.7	18.7	8.3	8.3	28.4	28.4	104.7	104.6	8.3	6.2	6	90	6	90	90	<0.2	<0.2	3.7				
						6.1	0.3	7	18.7		8.3		28.4		104.5		8.2	5.9	6	90		90		<0.2	<0.2	3.8				
IM5	Fine	Moderate	14:15	6.3	Surface	1.0	0.3	68	19.0	19.0	8.3	8.3	26.7	26.8	107.6	107.6	8.5	2.0	6	85	6	85	85	84	<0.2	<0.2	4.0	3.7		
						1.0	0.3	63	19.0		8.3		26.8		107.6		8.5	2.1	6	85		85		<0.2	<0.2	3.8				
					Middle	3.2	0.3	55	18.8	18.8	8.3	8.3	28.0	28.0	106.8	106.8	8.4	4.9	6	86	6	86	86	<0.2	<0.2	3.6				
						3.2	0.3	58	18.8		8.3		28.0		106.7		8.4	4.9	6	85		85		<0.2	<0.2	3.6				
					Bottom	5.3	0.3	57	18.7	18.7	8.3	8.3	28.4	28.4	105.9	105.9	8.3	5.0	4	89	6	89	89	<0.2	<0.2	3.7				
						5.3	0.3	58	18.7		8.3		28.5		105.8		8.3	4.9	4	89		89		<0.2	<0.2	3.6				
IM6	Fine	Moderate	14:04	6.2	Surface	1.0	0.4	20	19.1	19.1	8.2	8.2	26.5	26.5	104.0	104.0	8.2	2.1	6	84	6	84	84	84	<0.2	<0.2	3.4	3.5		
						1.0	0.4	23	19.1		8.2		26.8		103.7		8.2	2.2	6	86		86		<0.2	<0.2	3.5				
					Middle	3.1	0.3	29	19.0	19.0	8.2	8.2	27.8	27.8	103.7	103.9	8.2	2.4	6	88	6	88	88	<0.2	<0.2	3.5				
						3.1	0.3	25	18.9		8.2		27.8		104.0		8.2	2.5	5	88		88		<0.2	<0.2	3.7				
					Bottom	5.2	0.3	28	18.8	18.8	8.3	8.3	28.4	28.4	105.3	105.3	8.3	3.4	4	90	6	90	90	<0.2	<0.2	3.2				
						5.2	0.3	25	18.8		8.3		28.4		105.3		8.3	3.4	4	90		90		<0.2	<0.2	3.4				
IM7	Fine	Moderate	13:52	7.6	Surface	1.0	0.5	21	19.1	19.1	8.2	8.2	26.6	26.6	101.9	101.8	8.1	2.1	5	84	6	84	84	84	<0.2	<0.2	3.0	3.2		
						1.0	0.5	25	19.1		8.2		26.7		101.7		8.0	2.1	4	84		84		<0.2	<0.2	3.1				
					Middle	3.8	0.5	28	19.0	19.0	8.2	8.2	27.5	27.6	100.9	101.0	8.0	2.0	5	87	6	87	87	<0.2	<0.2	3.6				
						3.8	0.5	27	19.0		8.2		27.6		101.0		8.0	2.0	4	87		87		<0.2	<0.2	3.3				
					Bottom	6.6	0.4	24	18.9	18.9	8.2	8.2	27.9	27.9	101.3	101.3	8.0	1.7	6	89	6	89	89	<0.2	<0.2	2.9				
						6.6	0.4	27	18.9		8.2		28.0		101.2		8.0	1.7	6	90		90		<0.2	<0.2	3.3				
IM8	Fine	Moderate	14:33	7.4	Surface	1.0	0.3	93	19.0	19.0	8.1	8.1	27.5	27.5	106.9	106.9	8.4	3.8	6	85	6	85	85	86	<0.2	<0.2	4.0	3.9		
						1.0	0.3	94	18.9	18.8	8.1		27.6		106.8		8.4	4.1	5	85		85		<0.2	<0.2	4.0				
					Middle	3.7	0.2	96	18.8	18.8	8.2	8.2	28.5	28.5	105.9	105.9	8.3	7.6	6	85	6	85	85	<0.2	<0.2	4.0				
						3.7	0.2	99	18.8		8.2		28.5		105.9		8.3	7.5	7	86		86		<0.2	<0.2	4.0				
					Bottom	6.4	0.2	89	18.8	18.8	8.2	8.2	28.8	28.8	105.2	105.2	8.3	7.1	6	87	6	87	87	<0.2	<0.2	3.9				
						6.4	0.2	95	18.8		8.2		28.8		105.2		8.3	7.3	6	88		88		<0.2	<0.					

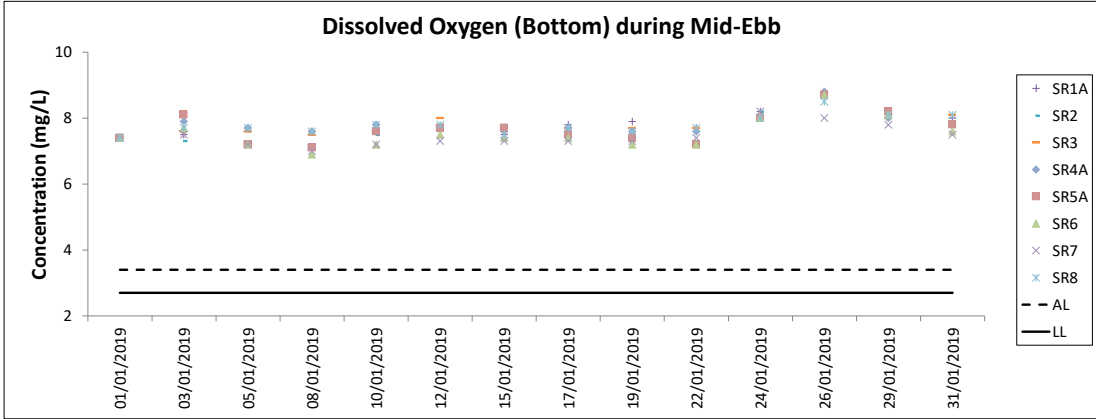
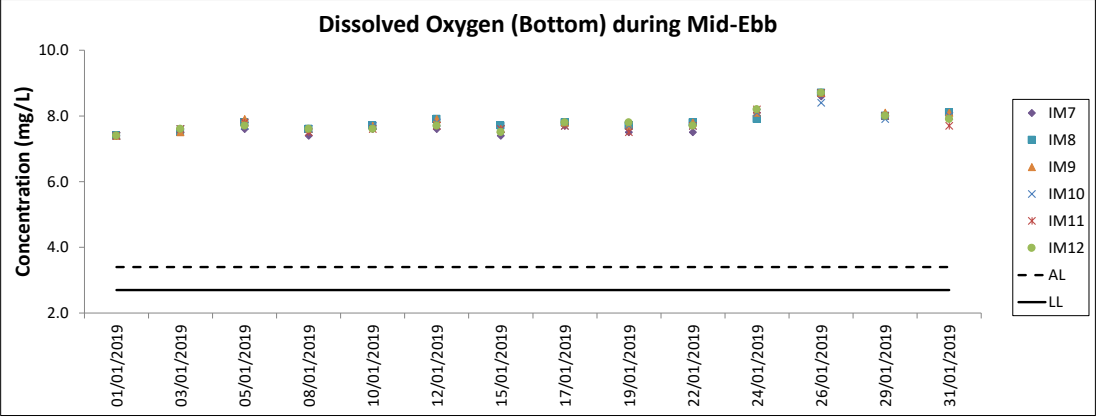
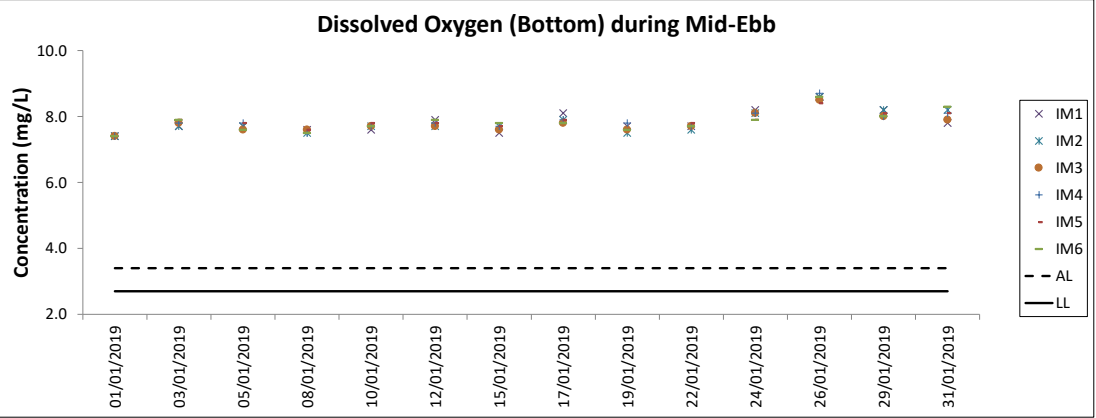
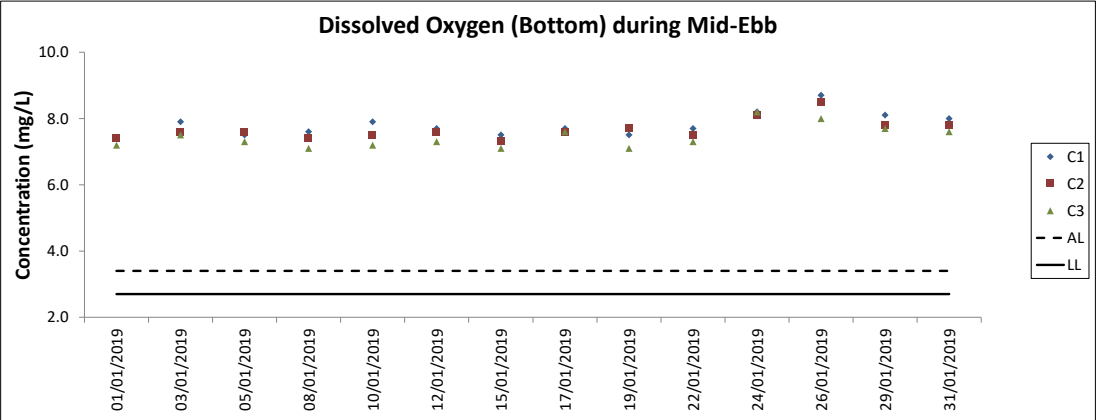
Expansion of Hong Kong International Airport into a Three-Runway System

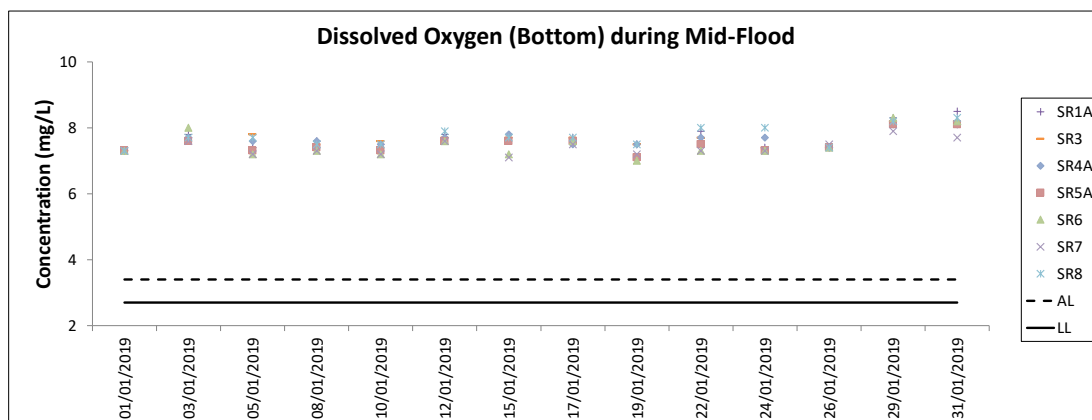
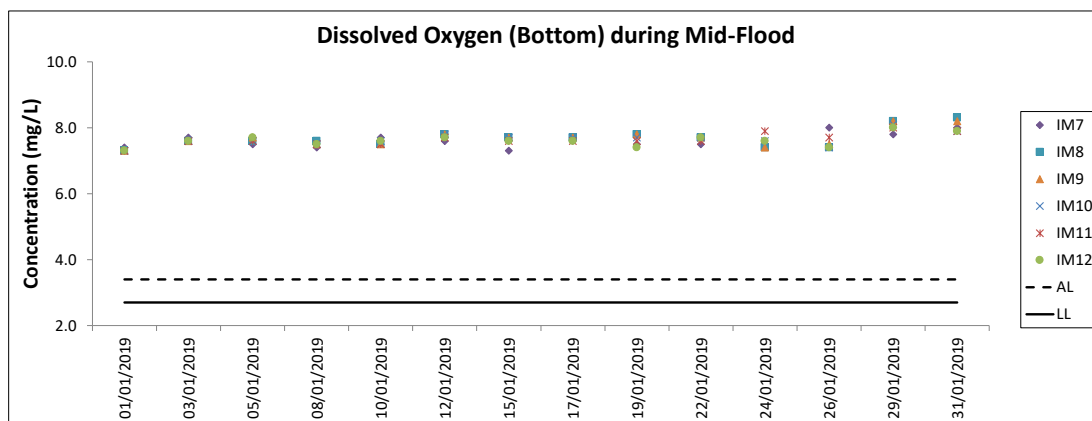
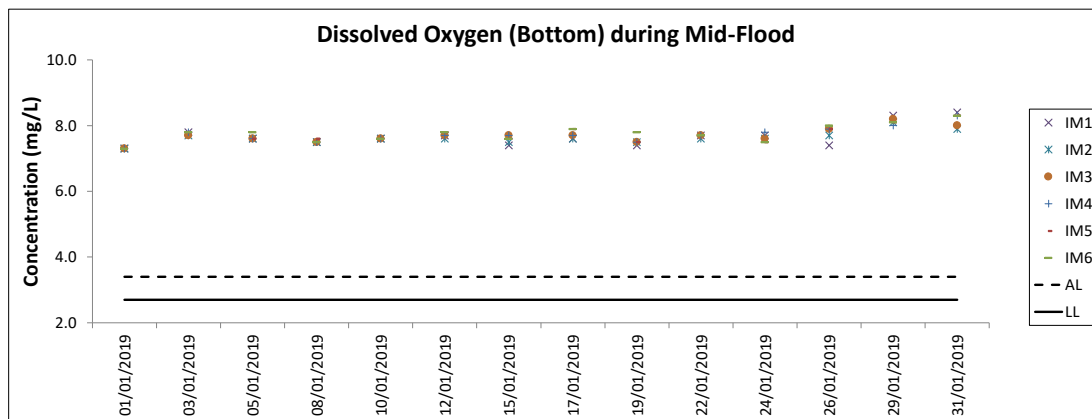
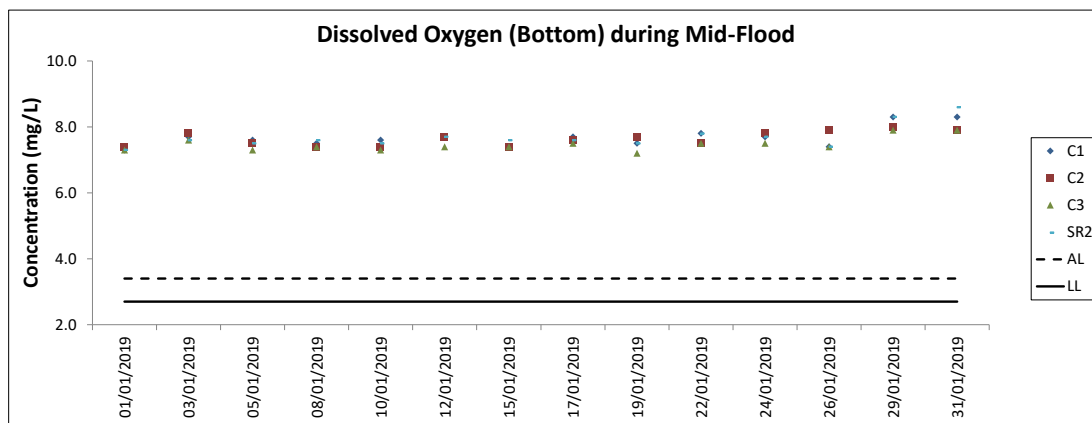
Water Quality Monitoring

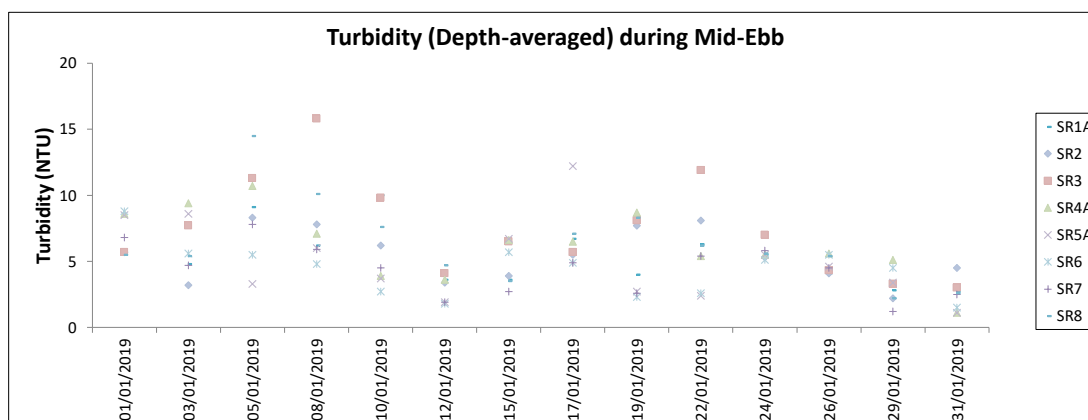
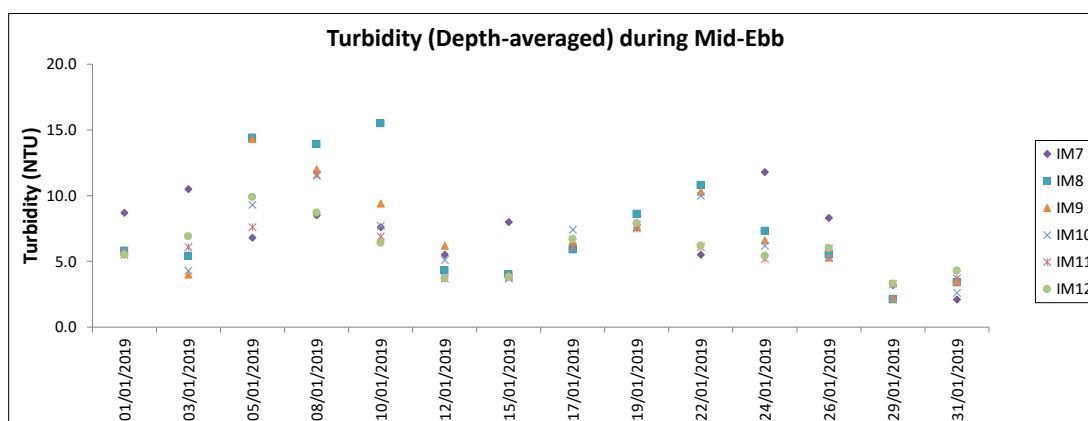
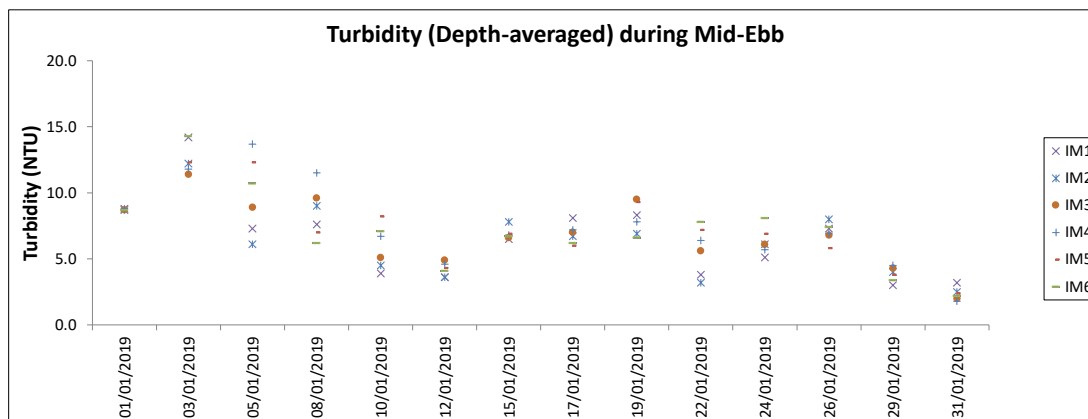
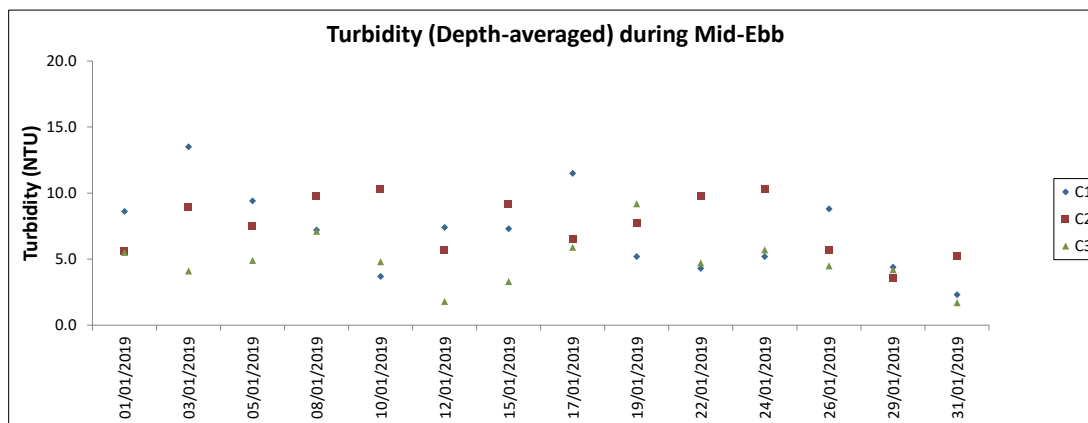
Water Quality Monitoring Results on 31 January 19 during Mid-Flood Tide

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	Fine	Moderate	14:40	7.3	Surface	1.0	0.3	94	19.2	19.2	8.1	8.1	26.7	26.8	106.3	106.3	8.4	8.4	4.7	4.7	5	5	84	86	822105	808802	<0.2	<0.2	3.6	3.7				
						1.0	0.3	101	19.1		8.1	8.1	26.8		106.3		8.4	8.4	4.8	4.8	4	4	84				<0.2	<0.2	3.4					
					Middle	3.7	0.3	91	18.9	18.9	8.2	8.2	27.7	27.8	105.6	105.5	8.3	8.3	10.7	10.7	5	5	85	86			<0.2	<0.2	3.9					
						3.7	0.3	98	18.9		8.2	8.2	27.9		105.4		8.3	8.3	11.2	11.2	5	5	85				<0.2	<0.2	3.7					
					Bottom	6.3	0.2	97	18.8	18.8	8.2	8.2	28.7	28.7	104.0	103.9	8.2	8.2	13.5	13.5	6	6	88	88			<0.2	<0.2	3.6					
						6.3	0.3	100	18.8		8.2	8.2	28.7		103.8		8.2	8.2	14.1	14.1	5	5	88				<0.2	<0.2	3.9					
IM10	Fine	Moderate	14:48	6.9	Surface	1.0	0.5	112	19.3	19.3	8.1	8.1	26.7	26.8	104.2	104.2	8.2	8.2	2.6	2.6	5	5	86	86	822395	809776	<0.2	<0.2	3.7	3.9				
						1.0	0.6	117	19.3		8.1	8.1	26.8		104.1		8.2	8.2	2.7	2.7	4	4	86				<0.2	<0.2	3.8					
					Middle	3.5	0.5	186	19.0	19.0	8.1	8.1	27.7	27.8	102.9	102.7	-	-	3.3	3.3	4	4	86	87			<0.2	<0.2	4.0					
						3.5	0.5	188	19.0		8.1	8.1	27.9		102.5		-	-	3.4	3.4	5	5	87				<0.2	<0.2	3.8					
					Bottom	5.9	0.4	201	18.9	18.9	8.1	8.1	28.1	28.0	100.8	100.7	7.9	7.9	3.7	3.7	7	7	87	88			<0.2	<0.2	4.2					
						5.9	0.5	205	18.9		8.1	8.1	28.0		100.6		7.9	7.9	3.6	3.6	7	7	88				<0.2	<0.2	3.9					
IM11	Fine	Moderate	15:01	8.1	Surface	1.0	0.5	214	19.1	19.1	8.1	8.1	26.2	26.2	106.8	106.8	8.5	8.5	2.2	2.2	5	5	85	86	822059	811439	<0.2	<0.2	3.5	3.6				
						1.0	0.5	223	19.1		8.1	8.1	26.2		106.8		8.5	8.5	2.2	2.2	5	5	85				<0.2	<0.2	3.6					
					Middle	4.1	0.3	289	18.8	18.8	8.1	8.1	28.9	28.9	101.9	101.7	8.0	8.0	3.0	3.0	7	7	84	86			<0.2	<0.2	3.5	3.6				
						4.1	0.3	294	18.8		8.1	8.1	29.0		101.5		8.0	8.0	3.1	3.1	7	7	84				<0.2	<0.2	3.8					
					Bottom	7.1	0.2	286	18.8	18.8	8.1	8.1	29.2	29.2	100.7	100.7	7.9	7.9	3.9	3.9	9	9	88	88			<0.2	<0.2	3.6					
						7.1	0.2	292	18.8		8.1	8.1	29.2		100.6		7.9	7.9	3.9	3.9	8	8	88				<0.2	<0.2	3.4					
IM12	Fine	Moderate	15:10	8.3	Surface	1.0	0.4	295	19.2	19.2	8.1	8.1	27.0	27.1	107.8	107.8	8.5	8.5	2.9	2.9	5	5	84	86	821462	812056	<0.2	<0.2	3.8	3.7				
						1.0	0.4	300	19.1		8.1	8.1	27.2		107.8		8.5	8.5	3.1	3.1	5	5	85				<0.2	<0.2	3.5					
					Middle	4.2	0.3	282	18.9	18.9	8.1	8.1	28.5	28.5	106.6	106.6	8.4	8.4	2.5	2.5	5	5	84	86			<0.2	<0.2	3.7					
						4.2	0.3	287	18.9		8.1	8.1	28.6		106.5		8.4	8.4	2.5	2.5	4	4	85				<0.2	<0.2	3.9					
					Bottom	7.3	0.2	300	18.8	18.8	8.1	8.1	29.3	29.3	101.2	101.3	7.9	7.9	3.0	3.0	6	6	88	88			<0.2	<0.2	3.5					
						7.3	0.2	301	18.8		8.1	8.1	29.3		101.4		7.9	7.9	2.9	2.9	6	6	89				<0.2	<0.2	3.8					
SR1A	Fine	Calm	15:33	4.7	Surface	1.0	-	-	19.3	19.3	8.1	8.1	26.9	26.8	110.3	110.3	8.7	8.7	2.1	2.1	4	4	-	-	819978	812665	-	-	-	-				
						1.0	-	-	19.3		8.1	8.1	26.8		110.2		8.7	8.7	2.1	2.1	4	4	-	-			-	-	-	-				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.4	-	5	-	-	-	-	-			
						2.4	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.7	-	-	19.0	19.0	8.1	8.1	28.7	28.7	108.6	108.6	8.5	8.5	2.6	2.6	5	5	-	-			-	-	-	-	-	-		
						3.7	-	-	19.0		8.1	8.1	28.7		108.6		8.5	8.5	2.6	2.6	6	6	-	-			-	-	-	-	-	-		
SR2	Fine	Moderate	15:48	4.4	Surface	1.0	0.4	289	19.2	19.2	8.1	8.1	27.4	27.4	110.7	110.7	8.7	8.7	2.4	2.4	5	5	84	85	821481	814165	<0.2	<0.2	3.6	4.0				
						1.0	0.4	290	19.2		8.1	8.1	27.4		110.6		8.7	8.7	2.4	2.4	4	4	85				<0.2	<0.2	3.7					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.6	-	4	-	-	-	-	-			
						-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.4	0.1	226	18.9	18.9	8.2	8.2	29.0	29.0	109.5	109.5	8.6	8.6	2.8	2.8	4	4	88	88			<0.2	<0.2	4.4					
						3.4	0.1	227	18.9		8.2	8.2	29.0		109.5		8.6	8.6	2.8	2.8	4	4	88				<0.2	<0.2	4.2					
SR3	Fine	Moderate	14:28	8.1	Surface	1.0	0.2	130	19.1	19.1	8.1	8.1	26.1	26.1	103.4	103.3	8.2	8.2	2.9	2.9	4	4	-	-	822155	807589	-	-	-	-				
						1.0	0.2	141	19.1		8.1	8.1	26.1		103.2		8.2	8.2	2.9	2.9	5	5	-	-			-	-	-	-				
					Middle	4.1	0.1	137	19.0	19.0	8.1	8.1	28.2	28.2	103.5	103.6	8.1	8.1	3.4	3.4	6	6	-	-			-	-	-	-				
						4.1	0.1	143	19.0		8.1	8.1	28.2		103.7		8.1	8.1	3.5	3.5	6	6	-	-			-	-	-	-				
					Bottom	7.1	0.2	63	18.7	18.7	8.2	8.2	28.9	28.9	104.3	104.3	8.2	8.2	4.9	4.9	8	8	-	-			-	-	-	-				
						7.1	0.2	68	18.7		8.2	8.2	28.9		104.2		8.2	8.2	5.0	5.0	9	9	-	-			-	-	-	-				
SR4A	Fine	Moderate	15:46	8.2	Surface	1.0	0.1	225	19.1	19.1	8.3	8.3	27.2	27.3	109.0	109.0	8.6	8.6	1.9	1.9	4	4	-	-	817194	807790	-	-	-	-				
						1.0	0.1	232	19.0		8.3	8.3	27.4		109.0		8.6	8.6	1.9	1.9	3	3	-	-			-	-	-	-				
					Middle	4.1	0.2	211	18.8	18.8	8.2	8.2	28.4	28.5	108.0	107.8	-	-	1.7	1.7	5	5	-	-			-	-	-	-				
						4.1	0.3	212	18.8		8.2	8.2	28.5		107.6		-	-	1.8	1.8	5	5	-	-			-	-	-	-				
					Bottom	7.2	0.2	200	18.8	18.9	8.2	8.2	28.9	28.9	103.0	103.0	8.1	8.1	2.2	2.2	4	4	-	-			-	-	-	-				
						7.2	0.2	212	18.9		8.2	8.2	28.9		102.9		8.1	8.1	2.2	2.2	4	4	-	-			-	-	-	-				
SR5A	Fine	Calm	16:07	3.5	Surface	1.0	0.0	255	18.9	18.9	8.3	8.3	29.2	29.2	107.2	107.2	8.4	8.4	0.8	0.8	6	6	-	-	816607	810679	-	-	-	-				
						1.0	0.0	269	18.9		8.3	8.3	29.2		107.1		8.4	8.4	0.8	0.8	4	4	-	-			-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	5	-	-	-	-	-			
						-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	2.5	0.1	282	18.8	18.8	8.2	8.2	29.5	29.5	103.1	102.5	8.8	8.1	0.9	0.9	5	5	-	-			-	-	-	-				
						2.5	0.1	294	18.8		8.2	8.2	29.6		102.5		8.0	8.1	0.9	0.9	6	6	-	-			-	-	-	-				
SR6	Fine	Calm	16:38	4.4	Surface	1.0	0.1	245	18.9	18.9	8.2	8.2	29.3	29.3	106.2	106.1	8.3	8.3	0.9	0.9	4	4	-	-	817875	814644	-	-	-	-				
						1.0	0.1	253	18.9		8.2	8.2	29.3		105.9		8.3	8.3	0.9	0.9	4	4	-	-			-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0	-	6	-	-	-	-	-			
						-	-	-	-		-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.4	0.1	241	18.8	18.8	8.2	8.2	29.5	29.5	105.0	105.2	8.2	8.2	1.0	1.0	8	8	-	-			-	-	-	-				
						3.4	0.1	251	18.8		8.2	8.2	29.5		105.4		8.2	8.2	1.0	1.0	8	8	-	-			-	-	-	-				
SR7	Fine	Moderate	16:52	16.4	Surface	1.0	0.5	263	18.9	18.9	8.1	8.1	30.1	30.1	104.2	104.2	8.1	8.1	1.3	1.3	5	5	-	-	823639	823728	-	-	-	-				
						1.0	0.5	266	18.9		8.1	8.1	30.1		104.1		8.1	8.1	1.3	1.3	5	5	-	-			-	-	-	-				
					Middle	8.2	0.1</																											

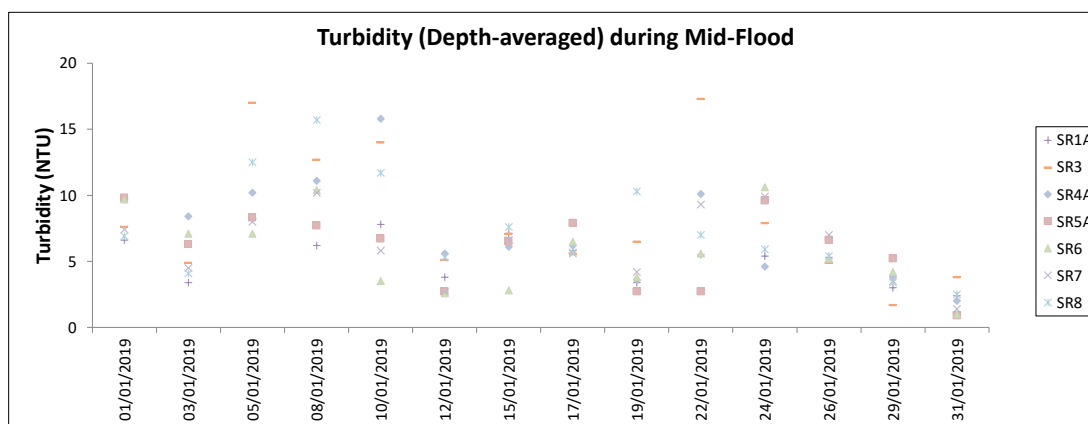
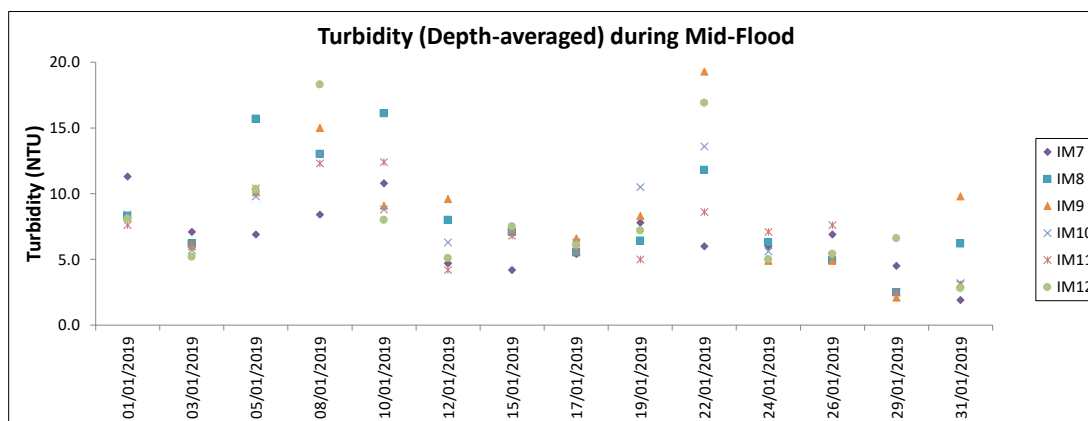
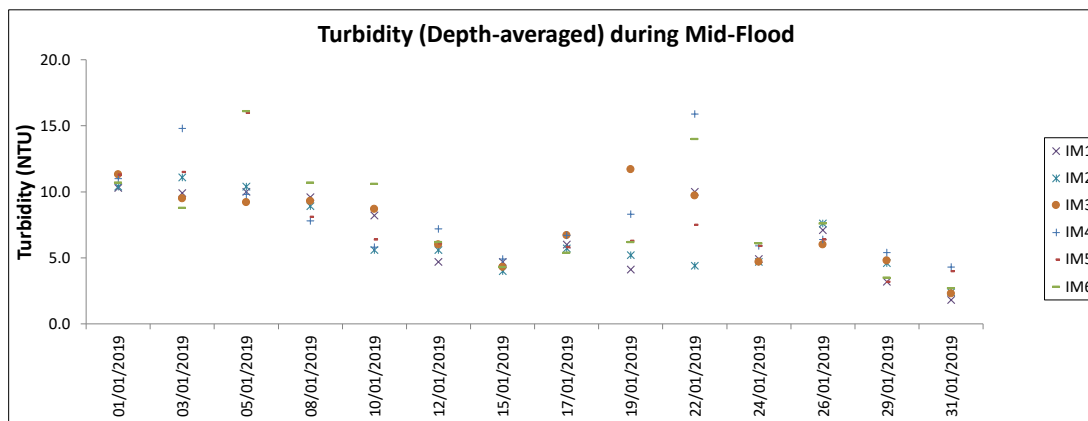
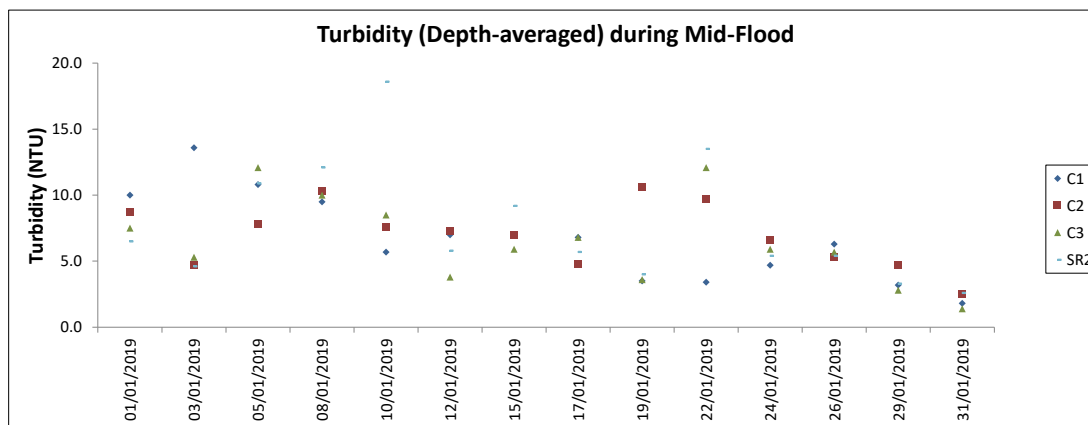




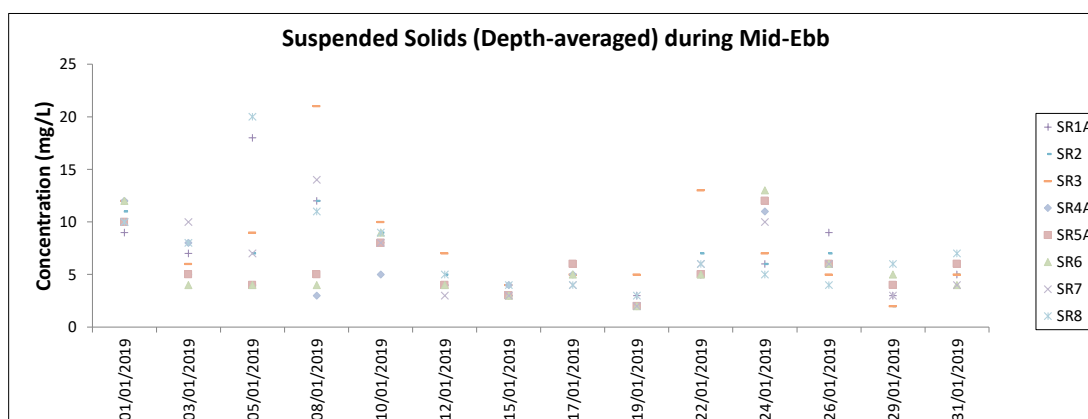
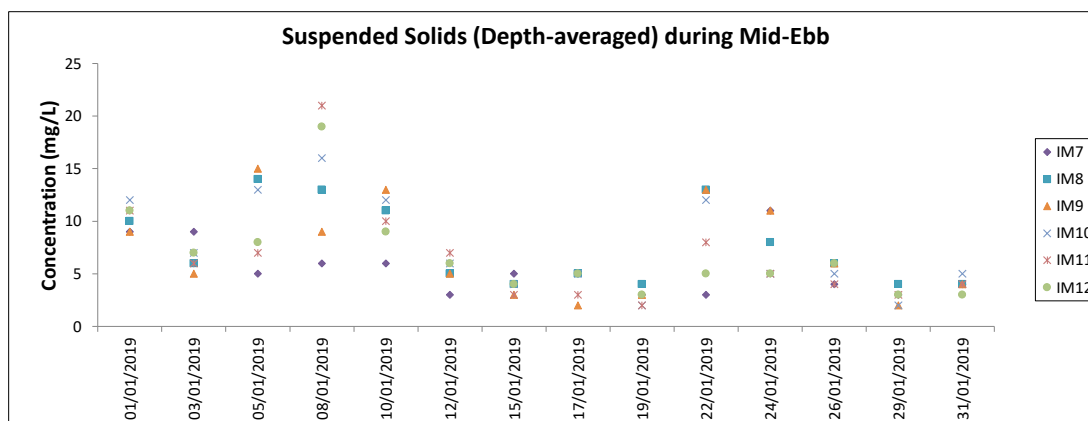
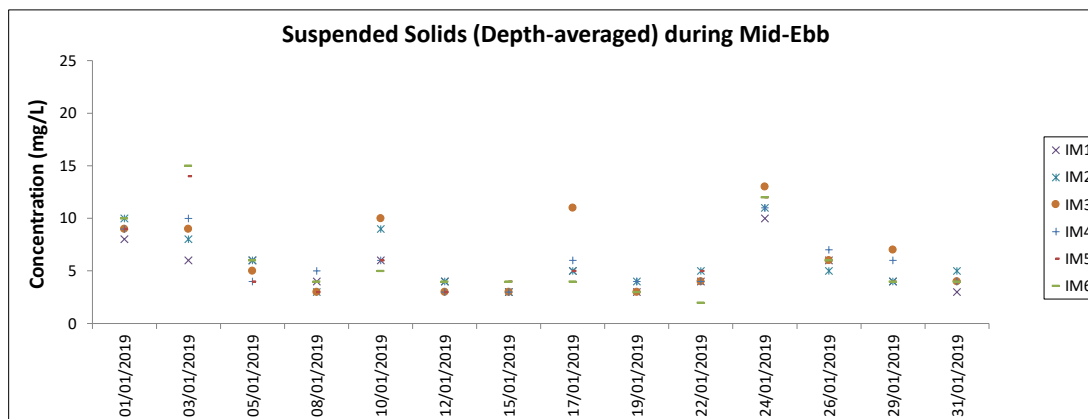
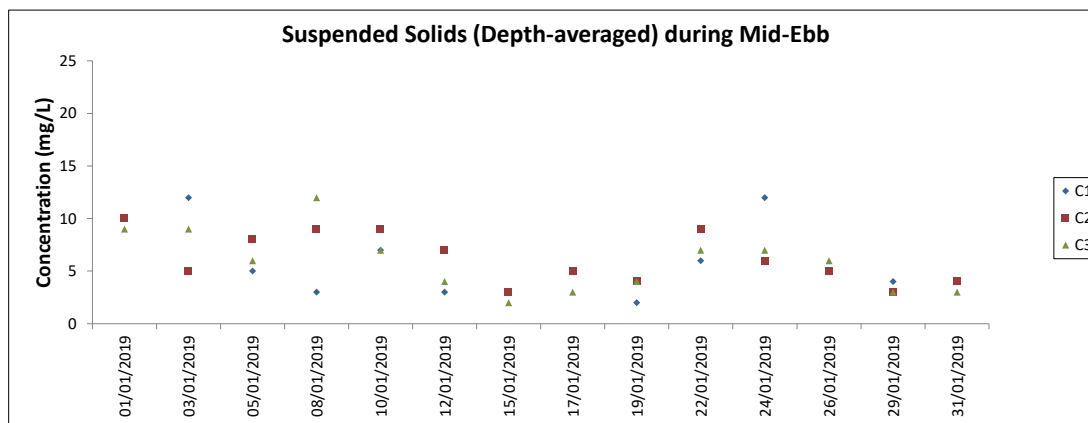




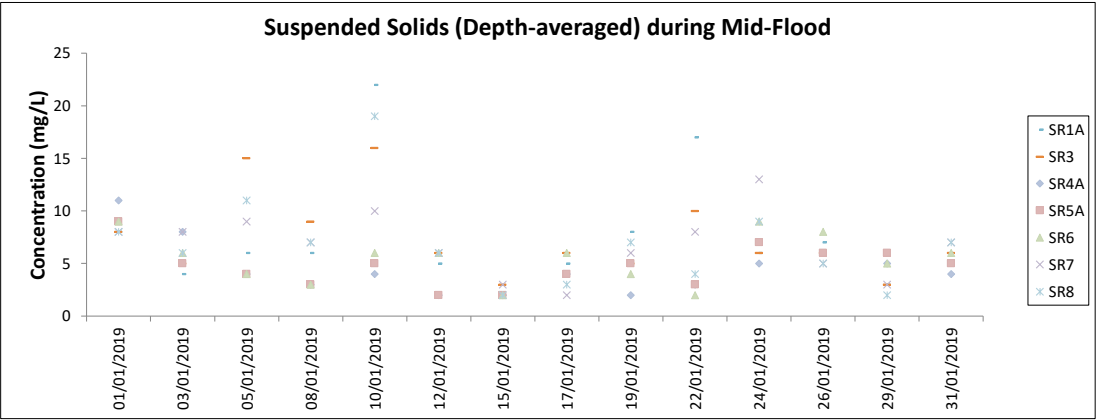
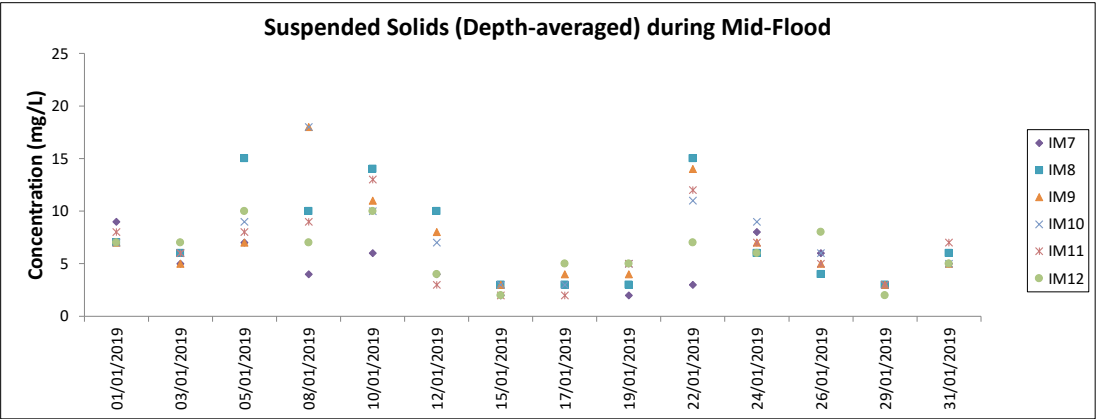
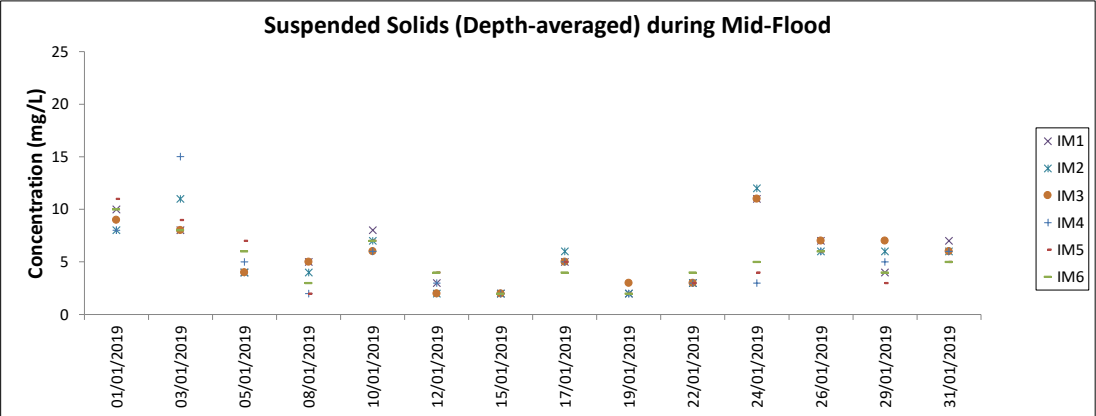
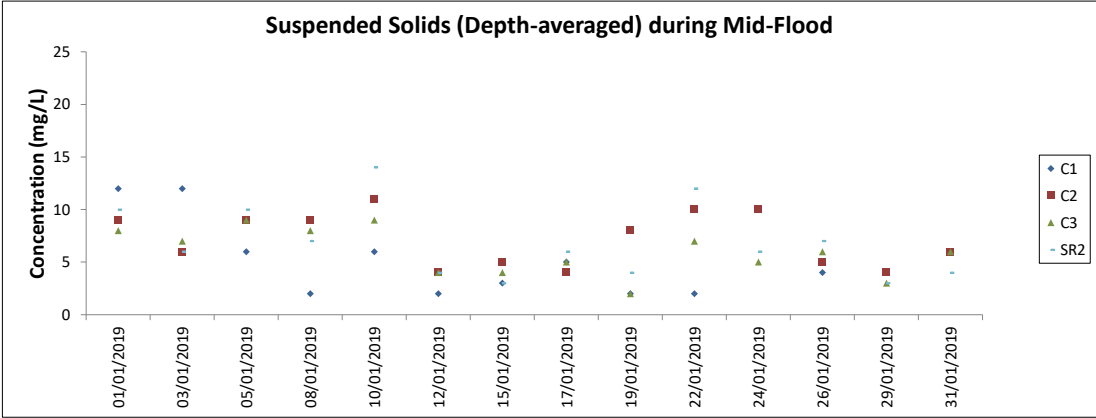
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



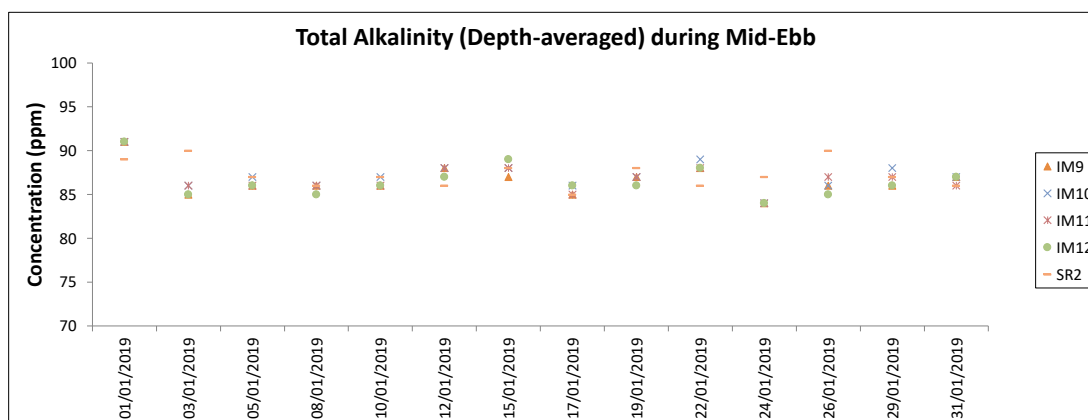
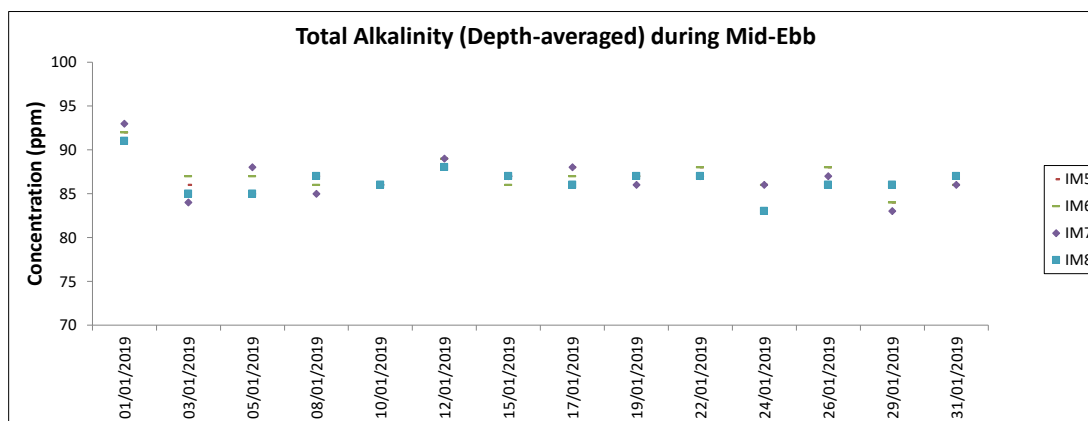
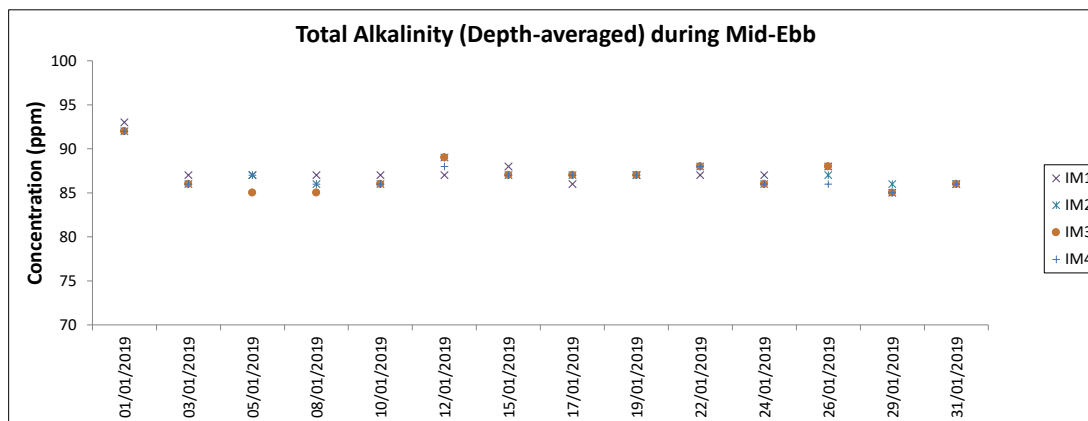
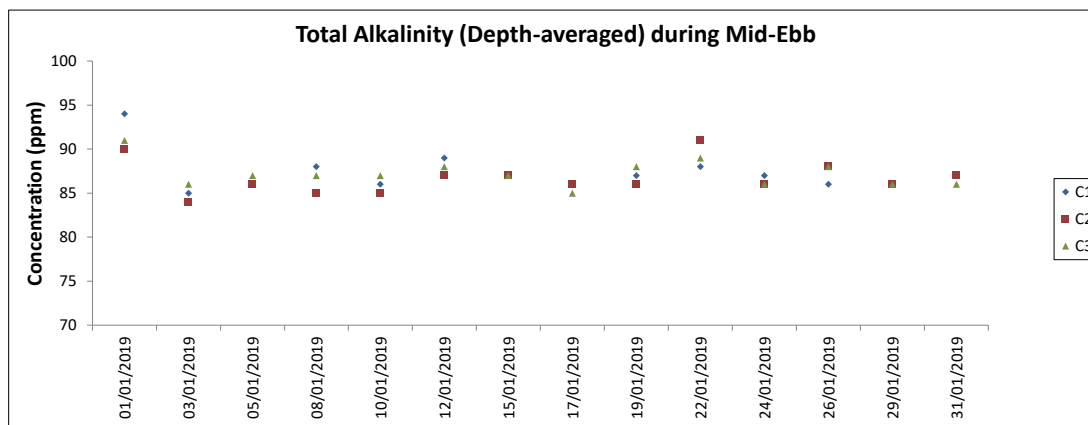
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



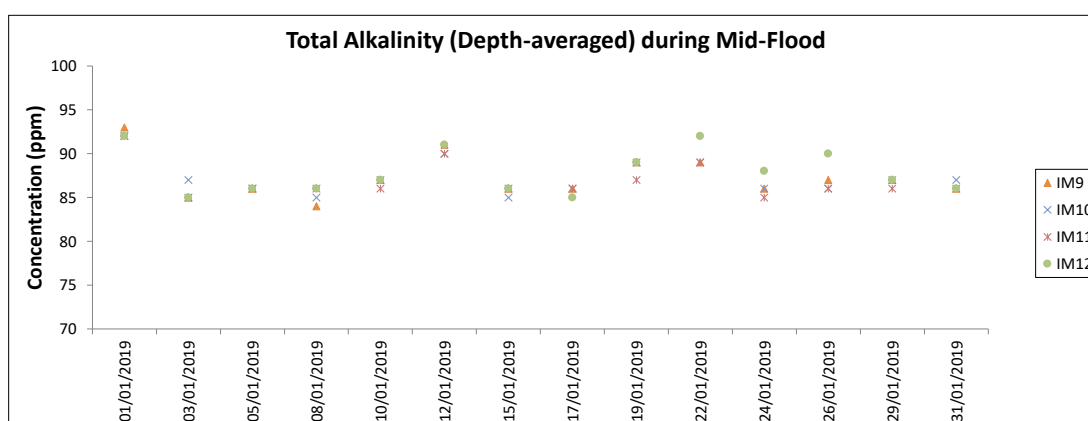
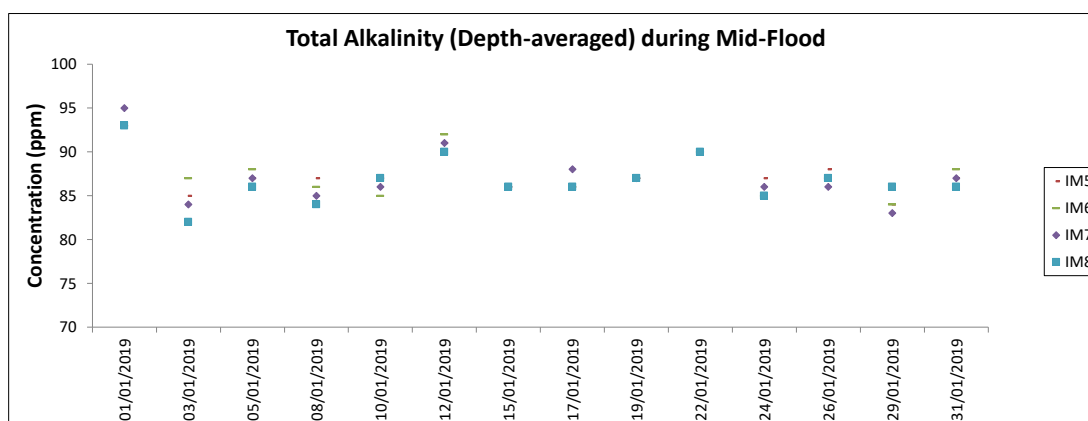
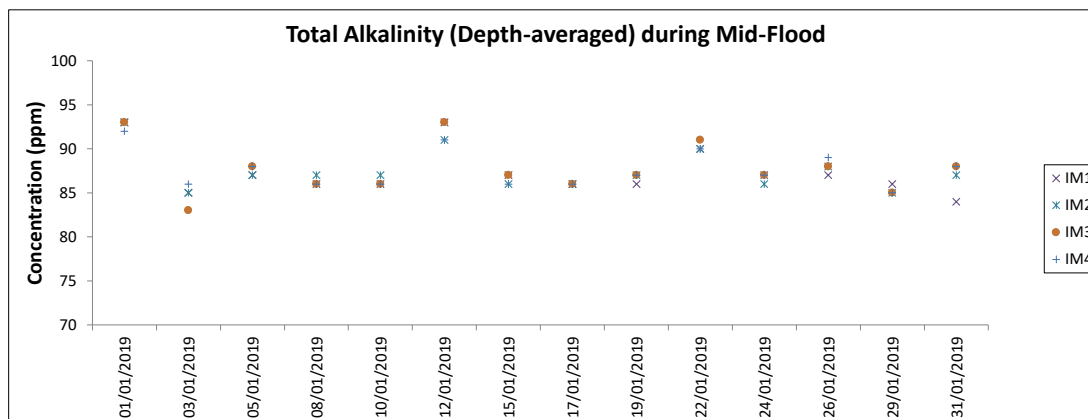
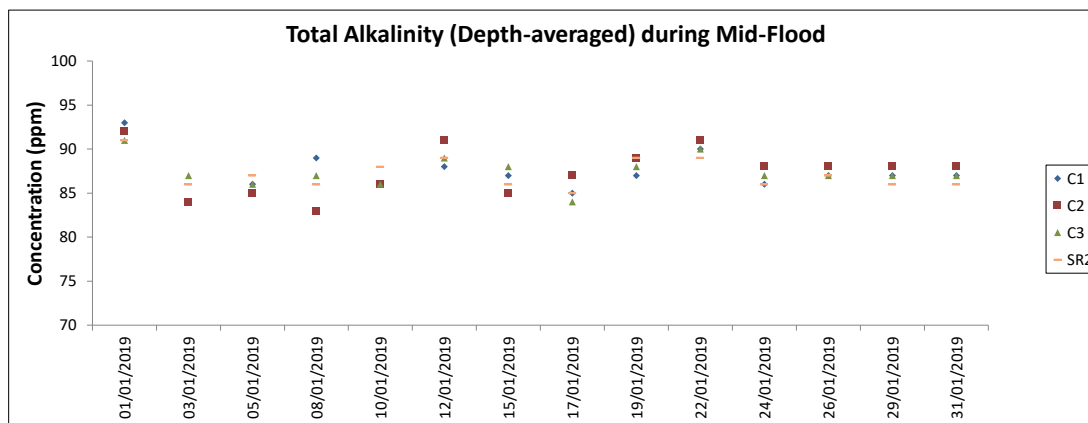
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



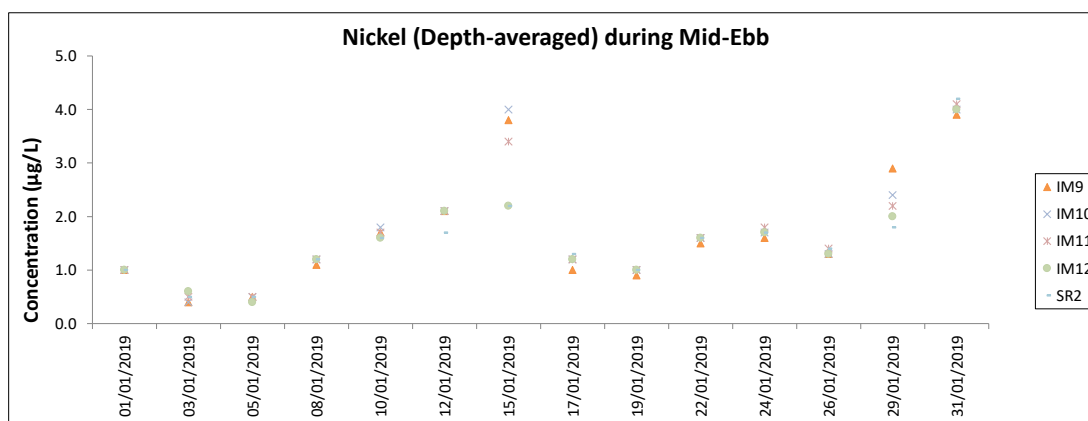
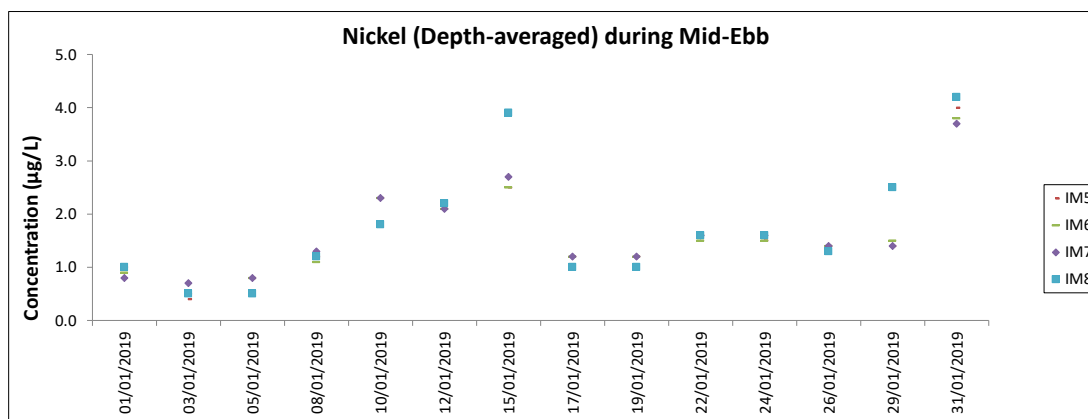
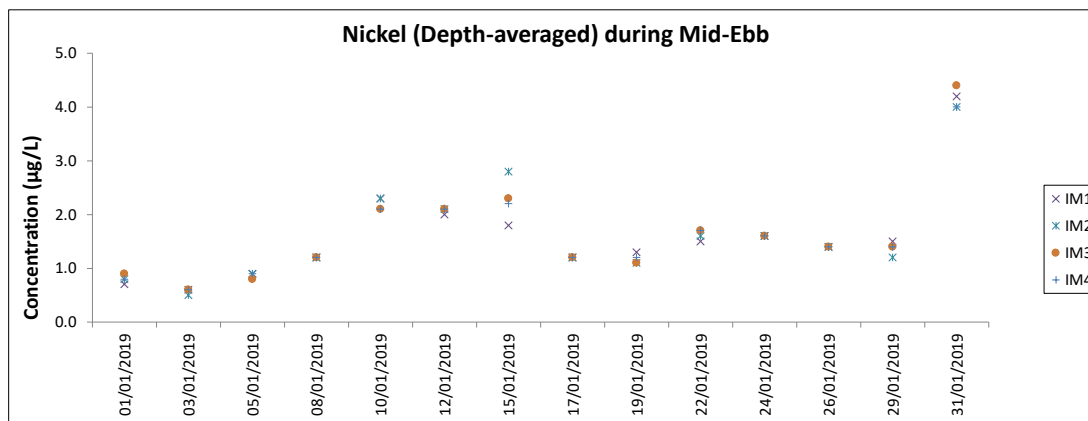
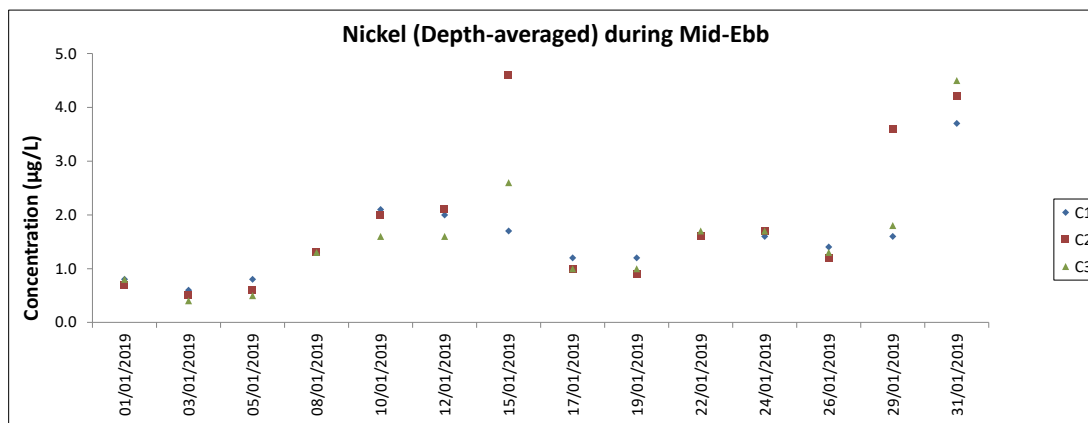
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



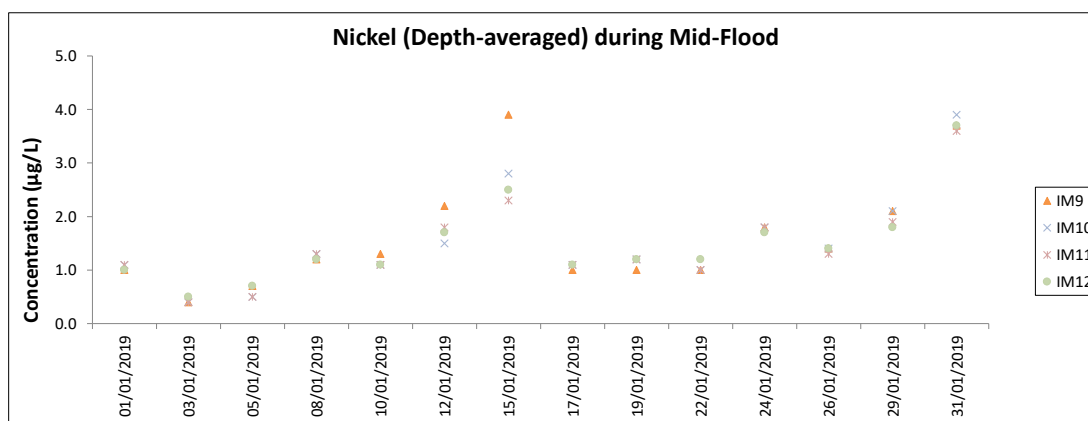
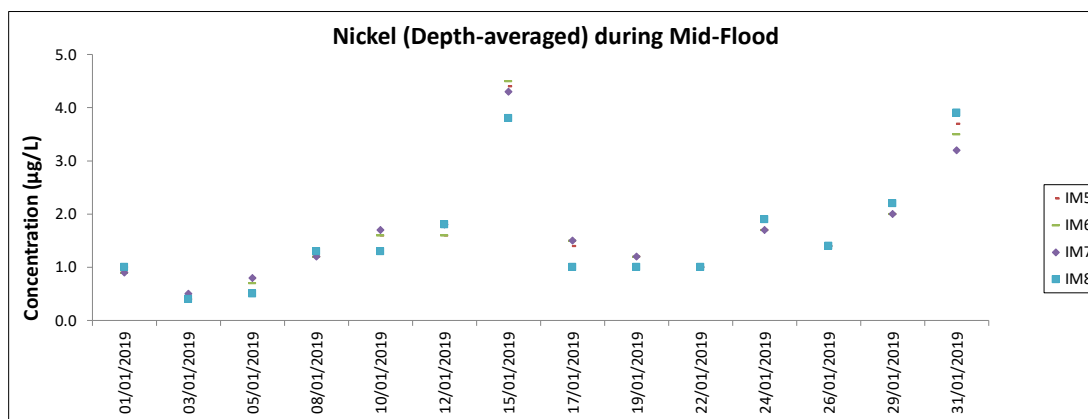
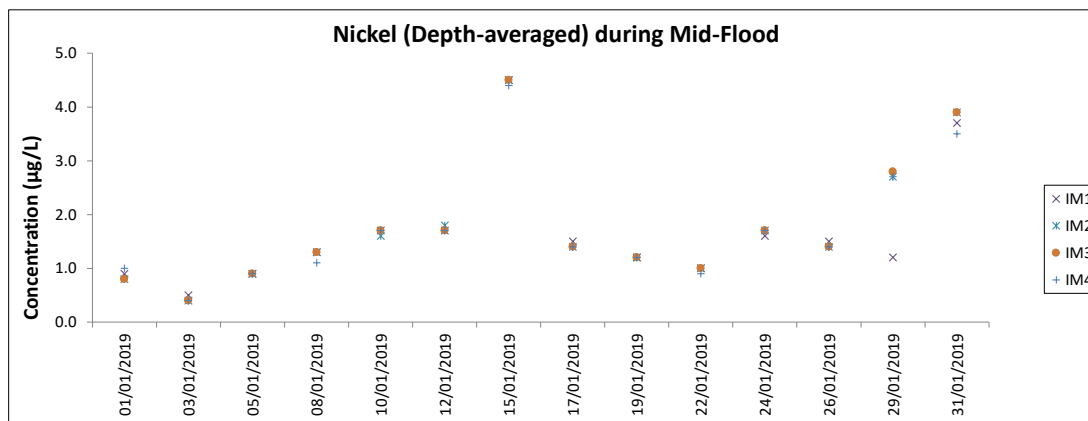
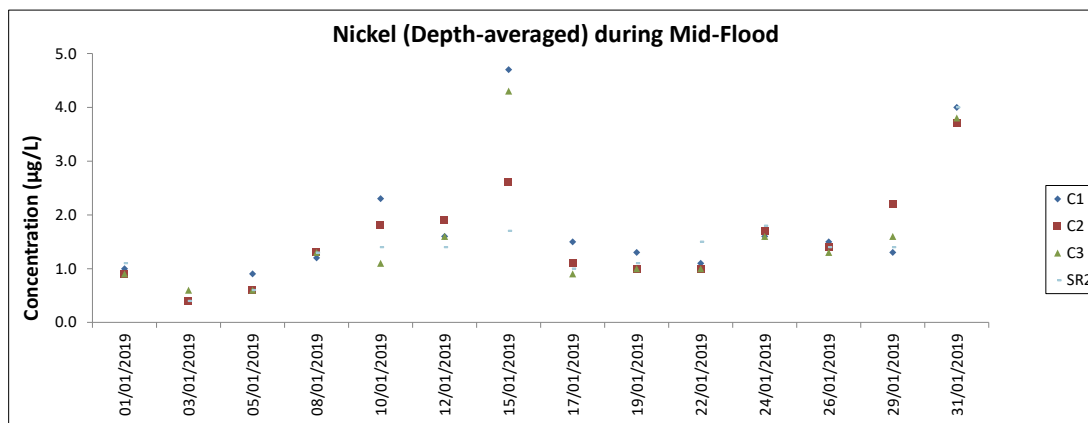
Note: The Action and Limit Level of total alkalinity can be referred to Table 4.2 of the monthly EM&A report.



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



Note: The Action and Limit Level of 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.



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.

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
6-Nov-18	NWL	2	7.350	AUTUMN	32166	3RS ET	P
6-Nov-18	NWL	3	40.500	AUTUMN	32166	3RS ET	P
6-Nov-18	NWL	4	12.930	AUTUMN	32166	3RS ET	P
6-Nov-18	NWL	2	2.000	AUTUMN	32166	3RS ET	S
6-Nov-18	NWL	3	7.820	AUTUMN	32166	3RS ET	S
6-Nov-18	NWL	4	1.800	AUTUMN	32166	3RS ET	S
7-Nov-18	NEL	2	2.200	AUTUMN	32166	3RS ET	P
7-Nov-18	NEL	3	30.480	AUTUMN	32166	3RS ET	P
7-Nov-18	NEL	4	4.540	AUTUMN	32166	3RS ET	P
7-Nov-18	NEL	2	0.700	AUTUMN	32166	3RS ET	S
7-Nov-18	NEL	3	9.180	AUTUMN	32166	3RS ET	S
12-Nov-18	NWL	2	60.880	AUTUMN	32166	3RS ET	P
12-Nov-18	NWL	3	2.180	AUTUMN	32166	3RS ET	P
12-Nov-18	NWL	2	12.440	AUTUMN	32166	3RS ET	S
13-Nov-18	NEL	1	10.400	AUTUMN	32166	3RS ET	P
13-Nov-18	NEL	2	13.700	AUTUMN	32166	3RS ET	P
13-Nov-18	NEL	3	13.500	AUTUMN	32166	3RS ET	P
13-Nov-18	NEL	1	1.800	AUTUMN	32166	3RS ET	S
13-Nov-18	NEL	2	2.100	AUTUMN	32166	3RS ET	S
13-Nov-18	NEL	3	5.600	AUTUMN	32166	3RS ET	S
16-Nov-18	AW	2	2.900	AUTUMN	32166	3RS ET	P
16-Nov-18	AW	3	1.910	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	2	2.752	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	3	10.665	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	4	2.306	AUTUMN	32166	3RS ET	P
16-Nov-18	WL	2	1.680	AUTUMN	32166	3RS ET	S
16-Nov-18	WL	3	5.483	AUTUMN	32166	3RS ET	S
16-Nov-18	WL	4	0.355	AUTUMN	32166	3RS ET	S
20-Nov-18	AW	3	2.570	AUTUMN	32166	3RS ET	P
20-Nov-18	AW	4	1.950	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	2	6.864	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	3	6.279	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	4	5.049	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	5	1.710	AUTUMN	32166	3RS ET	P
20-Nov-18	WL	2	6.792	AUTUMN	32166	3RS ET	S
20-Nov-18	WL	3	1.259	AUTUMN	32166	3RS ET	S
20-Nov-18	WL	4	1.812	AUTUMN	32166	3RS ET	S
20-Nov-18	WL	5	0.370	AUTUMN	32166	3RS ET	S
21-Nov-18	SWL	2	10.974	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	3	29.690	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	4	10.110	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	5	1.200	AUTUMN	32166	3RS ET	P
21-Nov-18	SWL	2	3.840	AUTUMN	32166	3RS ET	S
21-Nov-18	SWL	3	9.400	AUTUMN	32166	3RS ET	S
21-Nov-18	SWL	4	2.860	AUTUMN	32166	3RS ET	S
23-Nov-18	SWL	2	17.802	AUTUMN	32166	3RS ET	P
23-Nov-18	SWL	3	33.670	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
23-Nov-18	SWL	4	4.260	AUTUMN	32166	3RS ET	P
23-Nov-18	SWL	2	8.268	AUTUMN	32166	3RS ET	S
23-Nov-18	SWL	3	6.410	AUTUMN	32166	3RS ET	S
23-Nov-18	SWL	4	1.090	AUTUMN	32166	3RS ET	S
3-Dec-18	NWL	2	40.660	WINTER	32166	3RS ET	P
3-Dec-18	NWL	3	21.070	WINTER	32166	3RS ET	P
3-Dec-18	NWL	2	9.970	WINTER	32166	3RS ET	S
3-Dec-18	NWL	3	1.200	WINTER	32166	3RS ET	S
4-Dec-18	SWL	1	1.500	WINTER	32166	3RS ET	P
4-Dec-18	SWL	2	53.480	WINTER	32166	3RS ET	P
4-Dec-18	SWL	2	13.410	WINTER	32166	3RS ET	S
6-Dec-18	NEL	2	31.662	WINTER	32166	3RS ET	P
6-Dec-18	NEL	3	5.158	WINTER	32166	3RS ET	P
6-Dec-18	NEL	2	9.300	WINTER	32166	3RS ET	S
6-Dec-18	NEL	3	1.080	WINTER	32166	3RS ET	S
7-Dec-18	NEL	2	25.400	WINTER	32166	3RS ET	P
7-Dec-18	NEL	3	11.810	WINTER	32166	3RS ET	P
7-Dec-18	NEL	2	5.200	WINTER	32166	3RS ET	S
7-Dec-18	NEL	3	4.890	WINTER	32166	3RS ET	S
17-Dec-18	NWL	2	9.700	WINTER	32166	3RS ET	P
17-Dec-18	NWL	3	50.000	WINTER	32166	3RS ET	P
17-Dec-18	NWL	4	3.700	WINTER	32166	3RS ET	P
17-Dec-18	NWL	2	3.400	WINTER	32166	3RS ET	S
17-Dec-18	NWL	3	9.000	WINTER	32166	3RS ET	S
18-Dec-18	SWL	2	13.300	WINTER	32166	3RS ET	P
18-Dec-18	SWL	3	19.310	WINTER	32166	3RS ET	P
18-Dec-18	SWL	4	6.734	WINTER	32166	3RS ET	P
18-Dec-18	SWL	5	15.820	WINTER	32166	3RS ET	P
18-Dec-18	SWL	2	1.300	WINTER	32166	3RS ET	S
18-Dec-18	SWL	3	9.990	WINTER	32166	3RS ET	S
18-Dec-18	SWL	4	2.406	WINTER	32166	3RS ET	S
18-Dec-18	SWL	5	2.140	WINTER	32166	3RS ET	S
20-Dec-18	AW	2	4.680	WINTER	32166	3RS ET	P
20-Dec-18	WL	1	1.360	WINTER	32166	3RS ET	P
20-Dec-18	WL	2	18.841	WINTER	32166	3RS ET	P
20-Dec-18	WL	2	10.999	WINTER	32166	3RS ET	S
21-Dec-18	AW	1	4.800	WINTER	32166	3RS ET	P
21-Dec-18	WL	1	1.990	WINTER	32166	3RS ET	P
21-Dec-18	WL	2	12.080	WINTER	32166	3RS ET	P
21-Dec-18	WL	3	4.200	WINTER	32166	3RS ET	P
21-Dec-18	WL	4	0.800	WINTER	32166	3RS ET	P
21-Dec-18	WL	1	1.370	WINTER	32166	3RS ET	S
21-Dec-18	WL	2	5.760	WINTER	32166	3RS ET	S
21-Dec-18	WL	3	1.900	WINTER	32166	3RS ET	S
21-Dec-18	WL	4	1.200	WINTER	32166	3RS ET	S
7-Jan-19	NWL	2	20.930	WINTER	32166	3RS ET	P
7-Jan-19	NWL	3	43.070	WINTER	32166	3RS ET	P
7-Jan-19	NWL	2	4.300	WINTER	32166	3RS ET	S
7-Jan-19	NWL	3	7.100	WINTER	32166	3RS ET	S

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
8-Jan-19	NEL	2	34.190	WINTER	32166	3RS ET	P
8-Jan-19	NEL	3	3.500	WINTER	32166	3RS ET	P
8-Jan-19	NEL	2	10.310	WINTER	32166	3RS ET	S
15-Jan-19	AW	1	4.830	WINTER	32166	3RS ET	P
15-Jan-19	WL	1	1.210	WINTER	32166	3RS ET	P
15-Jan-19	WL	2	19.630	WINTER	32166	3RS ET	P
15-Jan-19	WL	2	11.260	WINTER	32166	3RS ET	S
16-Jan-19	NEL	2	20.580	WINTER	32166	3RS ET	P
16-Jan-19	NEL	3	16.890	WINTER	32166	3RS ET	P
16-Jan-19	NEL	2	7.160	WINTER	32166	3RS ET	S
16-Jan-19	NEL	3	3.170	WINTER	32166	3RS ET	S
17-Jan-19	NWL	3	63.630	WINTER	32166	3RS ET	P
17-Jan-19	NWL	2	0.900	WINTER	32166	3RS ET	S
17-Jan-19	NWL	3	10.670	WINTER	32166	3RS ET	S
21-Jan-19	SWL	2	1.230	WINTER	32166	3RS ET	P
21-Jan-19	SWL	3	32.659	WINTER	32166	3RS ET	P
21-Jan-19	SWL	4	21.736	WINTER	32166	3RS ET	P
21-Jan-19	SWL	3	8.780	WINTER	32166	3RS ET	S
21-Jan-19	SWL	4	5.765	WINTER	32166	3RS ET	S
22-Jan-19	SWL	2	15.148	WINTER	32166	3RS ET	P
22-Jan-19	SWL	3	25.163	WINTER	32166	3RS ET	P
22-Jan-19	SWL	4	19.730	WINTER	32166	3RS ET	P
22-Jan-19	SWL	2	2.289	WINTER	32166	3RS ET	S
22-Jan-19	SWL	3	3.160	WINTER	32166	3RS ET	S
22-Jan-19	SWL	4	4.930	WINTER	32166	3RS ET	S
24-Jan-19	WL	1	3.950	WINTER	32166	3RS ET	P
24-Jan-19	WL	2	1.670	WINTER	32166	3RS ET	P
24-Jan-19	WL	3	1.480	WINTER	32166	3RS ET	P
24-Jan-19	WL	1	2.240	WINTER	32166	3RS ET	S
24-Jan-19	WL	2	1.240	WINTER	32166	3RS ET	S
24-Jan-19	AW	1	4.480	WINTER	32166	3RS ET	P
28-Jan-19	WL	2	8.141	WINTER	32166	3RS ET	P
28-Jan-19	WL	3	2.710	WINTER	32166	3RS ET	P
28-Jan-19	WL	4	0.680	WINTER	32166	3RS ET	P
28-Jan-19	WL	2	4.949	WINTER	32166	3RS ET	S
28-Jan-19	WL	3	1.530	WINTER	32166	3RS ET	S

Notes: CWD monitoring survey data of the two preceding survey months (i.e. November and December 2018) 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
6-Nov-18	1	0941	CWD	4	NWL	3	997	ON	3RS ET	22.3858	113.8695	AUTUMN	NONE	P
6-Nov-18	2	1202	CWD	7	NWL	2	259	ON	3RS ET	22.3897	113.8781	AUTUMN	NONE	P
12-Nov-18	1	1036	CWD	2	NWL	2	635	ON	3RS ET	22.2857	113.8701	AUTUMN	NONE	P
12-Nov-18	2	1145	CWD	2	NWL	3	4	ON	3RS ET	22.3678	113.8780	AUTUMN	NONE	P
16-Nov-18	1	1038	CWD	4	WL	3	60	ON	3RS ET	22.2604	113.8462	AUTUMN	NONE	P
16-Nov-18	2	1059	CWD	3	WL	2	131	ON	3RS ET	22.2502	113.8359	AUTUMN	NONE	P
16-Nov-18	3	1144	CWD	3	WL	3	783	ON	3RS ET	22.2300	113.8381	AUTUMN	NONE	S
16-Nov-18	4	1219	CWD	1	WL	2	20	ON	3RS ET	22.2233	113.8273	AUTUMN	NONE	P
16-Nov-18	5	1223	CWD	3	WL	2	244	ON	3RS ET	22.2237	113.8249	AUTUMN	NONE	P
16-Nov-18	6	1237	CWD	1	WL	3	170	ON	3RS ET	22.2144	113.8230	AUTUMN	NONE	P
16-Nov-18	7	1243	CWD	2	WL	3	413	ON	3RS ET	22.2146	113.8296	AUTUMN	NONE	P
16-Nov-18	8	1300	CWD	8	WL	3	103	ON	3RS ET	22.2054	113.8384	AUTUMN	NONE	P
16-Nov-18	9	1322	CWD	3	WL	3	171	ON	3RS ET	22.2000	113.8254	AUTUMN	NONE	S
16-Nov-18	10	1345	CWD	2	WL	3	77	ON	3RS ET	22.1963	113.8401	AUTUMN	NONE	P
20-Nov-18	1	1058	CWD	3	WL	2	127	ON	3RS ET	22.2413	113.8401	AUTUMN	NONE	P
20-Nov-18	2	1210	CWD	4	WL	2	N/A	OFF	3RS ET	22.2234	113.8330	AUTUMN	NONE	P
20-Nov-18	3	1226	CWD	4	WL	3	7	ON	3RS ET	22.2230	113.8315	AUTUMN	NONE	P
20-Nov-18	4	1244	CWD	2	WL	3	495	ON	3RS ET	22.2227	113.8233	AUTUMN	NONE	P
21-Nov-18	1	1450	CWD	1	SWL	3	354	ON	3RS ET	22.1994	113.8604	AUTUMN	NONE	S
21-Nov-18	2	1516	CWD	1	SWL	2	339	ON	3RS ET	22.1757	113.8489	AUTUMN	NONE	P
21-Nov-18	3	1532	CWD	1	SWL	2	N/A	OFF	3RS ET	22.1869	113.8490	AUTUMN	NONE	P
23-Nov-18	1	1320	FP	2	SWL	2	52	ON	3RS ET	22.1551	113.9041	AUTUMN	NONE	S
3-Dec-18	1	1039	CWD	2	NWL	2	178	ON	3RS ET	22.2718	113.8723	WINTER	NONE	S
3-Dec-18	2	1302	CWD	1	NWL	3	21	ON	3RS ET	22.3659	113.8976	WINTER	NONE	P
4-Dec-18	1	1442	CWD	10	SWL	2	210	ON	3RS ET	22.2007	113.8657	WINTER	NONE	S
4-Dec-18	2	1533	CWD	2	SWL	2	541	ON	3RS ET	22.1810	113.8491	WINTER	NONE	P
18-Dec-18	1	1315	FP	2	SWL	3	4	ON	3RS ET	22.1552	113.9043	WINTER	NONE	S
18-Dec-18	2	1419	FP	3	SWL	5	112	ON	3RS ET	22.1667	113.9268	WINTER	NONE	P
20-Dec-18	1	1136	CWD	1	WL	2	34	ON	3RS ET	22.2138	113.8278	WINTER	NONE	P
21-Dec-18	1	1143	CWD	11	WL	3	170	ON	3RS ET	22.2053	113.8303	WINTER	NONE	P
21-Dec-18	2	1218	CWD	7	WL	3	244	ON	3RS ET	22.1872	113.8315	WINTER	NONE	P
17-Jan-19	1	1055	CWD	2	NWL	3	8	ON	3RS ET	22.3081	113.8727	WINTER	NONE	S

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
21-Jan-19	1	1057	FP	3	SWL	3	20	ON	3RS ET	22.1425	113.9280	WINTER	NONE	S
21-Jan-19	2	1449	CWD	5	SWL	3	327	ON	3RS ET	22.1796	113.8591	WINTER	NONE	P
22-Jan-19	1	1036	FP	4	SWL	3	115	ON	3RS ET	22.1850	113.9360	WINTER	NONE	P
22-Jan-19	2	1100	FP	1	SWL	2	88	ON	3RS ET	22.1483	113.9341	WINTER	NONE	S
22-Jan-19	3	1230	FP	1	SWL	3	8	ON	3RS ET	22.1705	113.9084	WINTER	NONE	P
22-Jan-19	4	1519	CWD	8	SWL	4	105	ON	3RS ET	22.1928	113.8499	WINTER	NONE	P
24-Jan-19	1	0942	CWD	4	AW	1	87	ON	3RS ET	22.3014	113.8843	WINTER	NONE	P
24-Jan-19	2	1044	CWD	1	WL	1	110	ON	3RS ET	22.2778	113.8578	WINTER	NONE	P
24-Jan-19	3	1054	CWD	1	WL	1	161	ON	3RS ET	22.2778	113.8524	WINTER	NONE	P
24-Jan-19	4	1106	CWD	4	WL	1	325	ON	3RS ET	22.2691	113.8467	WINTER	NONE	P
24-Jan-19	5	1131	CWD	2	WL	1	91	ON	3RS ET	22.2617	113.8554	WINTER	NONE	S
24-Jan-19	6	1152	CWD	1	WL	2	97	ON	3RS ET	22.2505	113.8375	WINTER	NONE	P
28-Jan-19	1	1002	CWD	2	WL	2	24	ON	3RS ET	22.2359	113.8254	WINTER	NONE	S
28-Jan-19	2	1052	CWD	1	WL	2	336	ON	3RS ET	22.2145	113.8270	WINTER	NONE	P

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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. November and December 2018) are presented for reference only. No relevant figure or text will be mentioned in the 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 January 2019 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 404.149 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 10 on-effort sightings and total number of 23 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in January 2019 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in January 2019

$$STG = \frac{10}{404.149} \times 100 = 2.47$$

Encounter Rate by Number of Dolphins (ANI) in January 2019

$$ANI = \frac{23}{404.149} \times 100 = 5.69$$

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

A total of 1215.957 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 36 on-effort sightings and total number of 113 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)

$$STG = \frac{36}{1215.957} \times 100 = 2.96$$

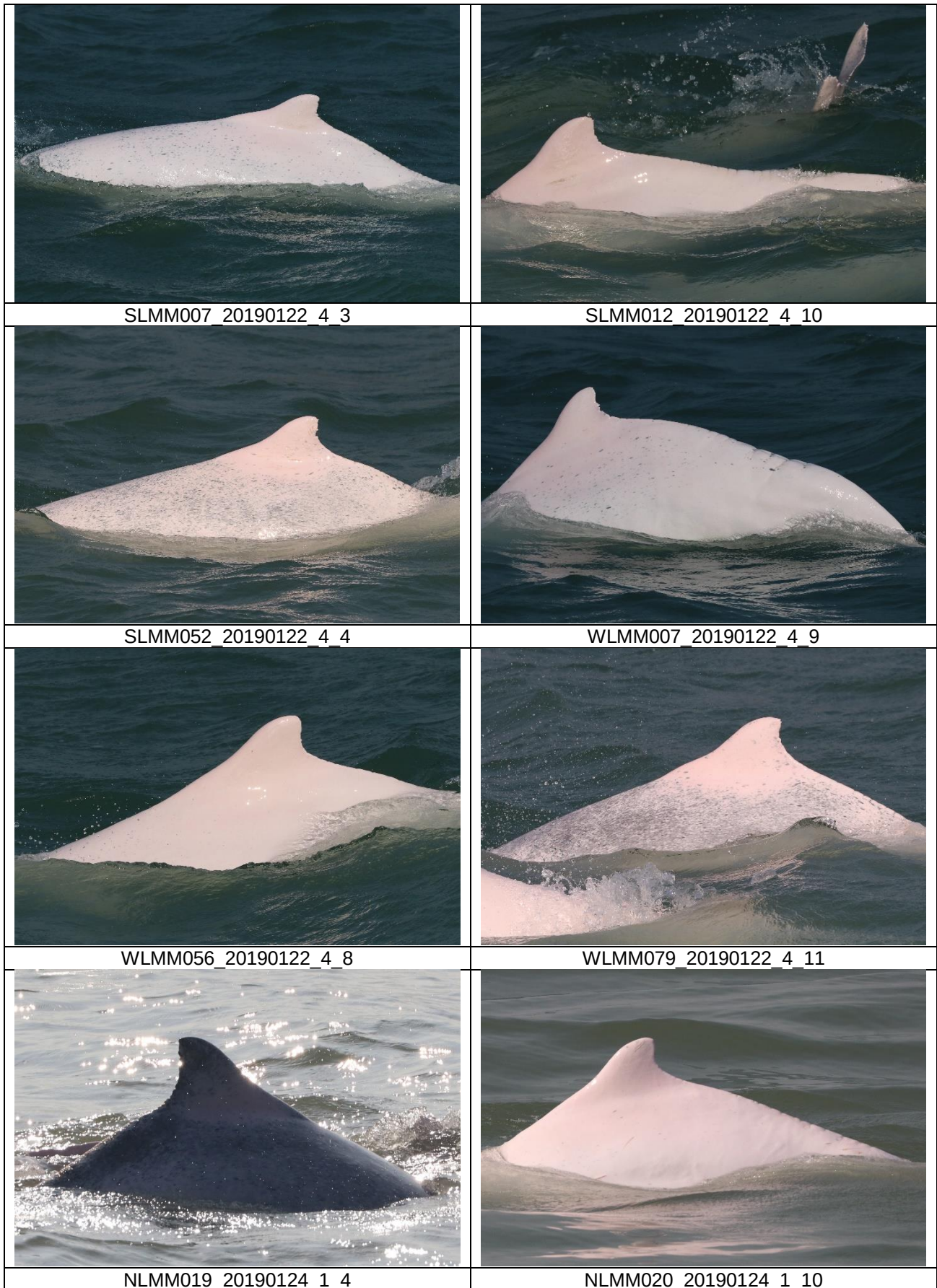
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

$$ANI = \frac{113}{1215.957} \times 100 = 9.29$$

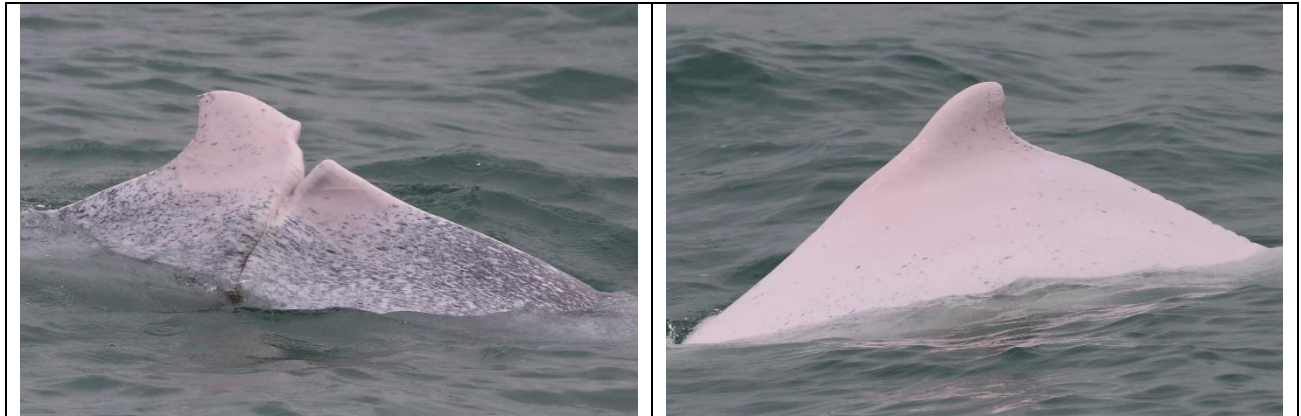
CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM062_20190117_1_8	WLMM064_20190117_1_9
	
SLMM002_20190121_2_3	SLMM007_20190121_2_3
	
SLMM053_20190121_2_1	WLMM067_20190121_2_4
	
SLMM002_20190122_4_1	SLMM003_20190122_4_3



	
WLMM078_20190124_3_1	NLMM063_20190124_4_2
	
WLMM001_20190124_4_5	WLMM028_20190124_4_2
	
WLMM029_20190124_4_2	WLMM069_20190124_5_12
	
WLMM132_20190124_5_2 Left	SLMM010_20190124_6_10



NLMM016_20190128_1_3

WLMM001_20190128_1_17

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
8/Jan/19	Lung Kwu Chau	9:13	15:13	6:00	3	4	1	2
11/Jan/19	Lung Kwu Chau	8:53	14:53	6:00	2-3	4	2	1
23/Jan/19	Sha Chau	9:02	15:02	6:00	2-3	3	0	-

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

Terrestrial Ecological Monitoring

Terrestrial Ecological Monitoring – location map and site photos regarding the monthly ecological monitoring for the egret area on Sheung Sha Chau and the HDD daylighting location



Photo record of View 1



Photo record of View 2

