

Appendix D. Monitoring Results

Air Quality Monitoring Results

1-hour TSP Results

Station: AR1A- Man Tung Road Park

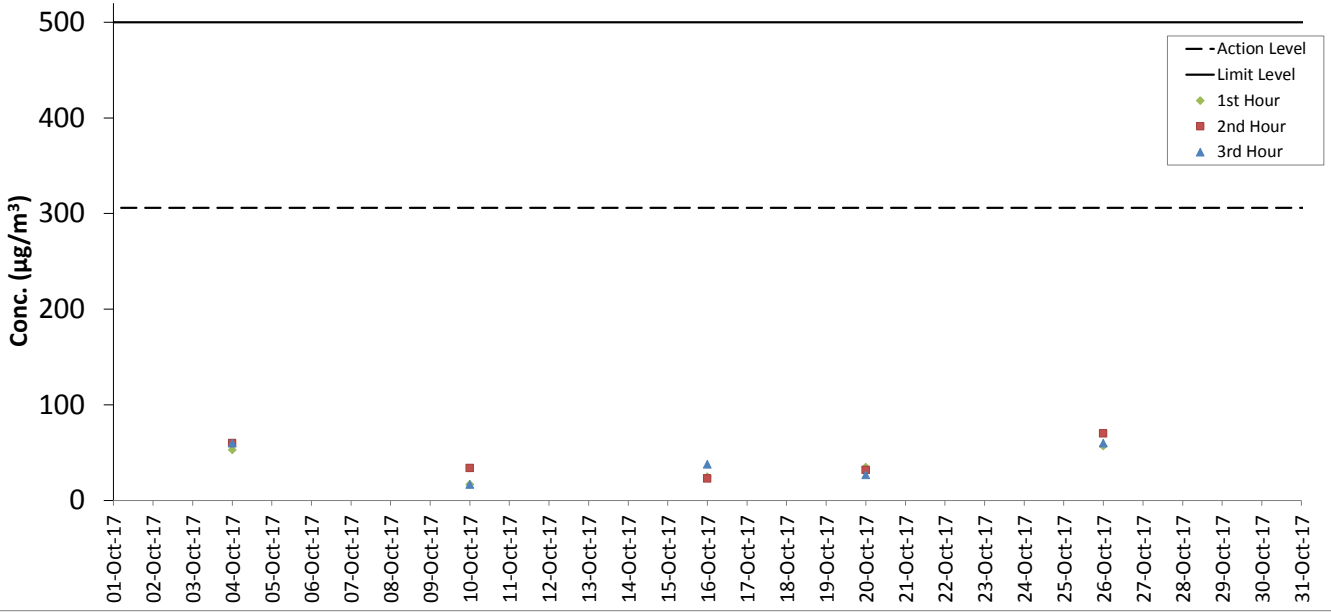
Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ($\mu\text{g}/\text{m}^3$)	Action Level ($\mu\text{g}/\text{m}^3$)	Limit Level ($\mu\text{g}/\text{m}^3$)
04-Oct-17	13:10	Fine	10.6	80	53	306	500
04-Oct-17	14:10	Fine	5.6	111	60	306	500
04-Oct-17	15:10	Fine	5.3	123	60	306	500
10-Oct-17	13:00	Sunny	8.2	103	17	306	500
10-Oct-17	14:00	Sunny	9.1	85	34	306	500
10-Oct-17	15:00	Sunny	8.2	96	17	306	500
16-Oct-17	13:00	Cloudy	6.9	105	25	306	500
16-Oct-17	14:00	Cloudy	5.2	72	23	306	500
16-Oct-17	15:00	Cloudy	5.3	66	38	306	500
20-Oct-17	13:00	Sunny	4.7	312	35	306	500
20-Oct-17	14:00	Sunny	4.9	328	32	306	500
20-Oct-17	15:00	Sunny	6.3	317	27	306	500
26-Oct-17	13:00	Sunny	1.8	296	57	306	500
26-Oct-17	14:00	Sunny	4.4	288	70	306	500
26-Oct-17	15:00	Sunny	4.0	282	60	306	500

1-hour TSP Results

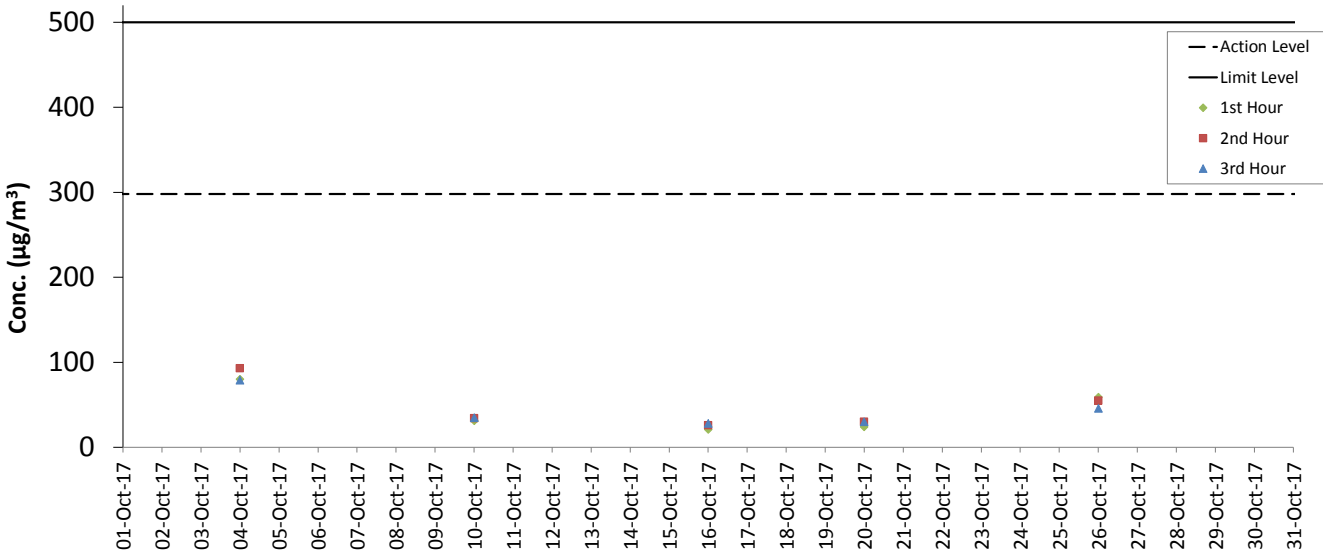
Station: AR2- Village House, Tin Sum

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 ($\mu\text{g}/\text{m}^3$)
04-Oct-17	09:05	Fine	5.1	70	80	298	500
04-Oct-17	10:05	Fine	6.5	108	93	298	500
04-Oct-17	11:05	Fine	8.0	113	79	298	500
10-Oct-17	09:10	Sunny	7.2	84	31	298	500
10-Oct-17	10:10	Sunny	7.9	72	34	298	500
10-Oct-17	11:10	Sunny	7.2	70	35	298	500
16-Oct-17	08:45	Cloudy	6.0	106	21	298	500
16-Oct-17	09:45	Cloudy	5.3	98	26	298	500
16-Oct-17	10:45	Cloudy	6.3	116	28	298	500
20-Oct-17	09:00	Sunny	4.3	13	24	298	500
20-Oct-17	10:00	Sunny	3.7	5	30	298	500
20-Oct-17	11:00	Sunny	3.8	355	30	298	500
26-Oct-17	08:45	Sunny	3.2	78	59	298	500
26-Oct-17	09:45	Sunny	2.3	51	55	298	500
26-Oct-17	10:45	Sunny	2.1	58	46	298	500

AR1A 1-Hour TSP



AR2 1-Hour TSP



Noise Monitoring Results

Noise Measurement Results

Station: NM1A- Man Tung Road Park

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
04-Oct-17	Fine	14:10	73.5	57.0	72
04-Oct-17	Fine	14:15	72.5	55.5	
04-Oct-17	Fine	14:20	72.0	57.0	
04-Oct-17	Fine	14:25	71.5	55.5	
04-Oct-17	Fine	14:30	71.5	55.5	
04-Oct-17	Fine	14:35	71.0	55.5	
10-Oct-17	Sunny	13:05	72.5	56.0	72
10-Oct-17	Sunny	13:10	72.5	55.5	
10-Oct-17	Sunny	13:15	73.5	58.0	
10-Oct-17	Sunny	13:20	71.0	57.0	
10-Oct-17	Sunny	13:25	71.5	56.5	
10-Oct-17	Sunny	13:30	73.5	58.5	
16-Oct-17	Cloudy	13:17	73.0	57.0	72
16-Oct-17	Cloudy	13:22	70.5	54.5	
16-Oct-17	Cloudy	13:27	72.0	58.5	
16-Oct-17	Cloudy	13:32	72.5	58.0	
16-Oct-17	Cloudy	13:37	71.5	56.5	
16-Oct-17	Cloudy	13:42	73.5	58.0	
26-Oct-17	Sunny	13:06	71.5	54.5	72
26-Oct-17	Sunny	13:11	72.5	55.0	
26-Oct-17	Sunny	13:16	70.5	53.5	
26-Oct-17	Sunny	13:21	71.5	53.5	
26-Oct-17	Sunny	13:26	75.0	59.5	
26-Oct-17	Sunny	13:31	73.0	60.5	

Remarks:

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

Noise Measurement Results

Station: NM3A- Site Office

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
04-Oct-17	Sunny	09:14	68.5	62.0	61
04-Oct-17	Sunny	09:19	67.5	62.0	
04-Oct-17	Sunny	09:24	66.5	62.0	
04-Oct-17	Sunny	09:29	66.0	62.0	
04-Oct-17	Sunny	09:34	68.5	62.0	
04-Oct-17	Sunny	09:39	68.0	62.0	
10-Oct-17	Sunny	10:10	68.0	62.0	61
10-Oct-17	Sunny	10:15	67.5	62.0	
10-Oct-17	Sunny	10:20	65.5	62.0	
10-Oct-17	Sunny	10:25	69.0	62.0	
10-Oct-17	Sunny	10:30	68.5	62.0	
10-Oct-17	Sunny	10:35	67.5	63.0	
16-Oct-17	Cloudy	09:15	69.0	61.0	61
16-Oct-17	Cloudy	09:20	68.5	61.0	
16-Oct-17	Cloudy	09:25	67.0	61.0	
16-Oct-17	Cloudy	09:30	67.0	61.0	
16-Oct-17	Cloudy	09:35	67.5	61.5	
16-Oct-17	Cloudy	09:40	71.0	61.0	
26-Oct-17	Sunny	09:20	69.0	59.0	61
26-Oct-17	Sunny	09:25	69.5	59.0	
26-Oct-17	Sunny	09:30	64.0	58.5	
26-Oct-17	Sunny	09:35	67.0	58.5	
26-Oct-17	Sunny	09:40	70.5	59.5	
26-Oct-17	Sunny	09:45	67.5	59.0	

Noise Measurement Results

Station: NM4- Ching Chung Hau Po Won Primary School

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
04-Oct-17	Cloudy	13:45	66.0	61.5	65
04-Oct-17	Cloudy	13:50	63.5	60.0	
04-Oct-17	#REF!	13:55	62.0	59.0	
04-Oct-17	Cloudy	14:00	62.5	59.0	
04-Oct-17	Cloudy	14:05	61.5	59.0	
04-Oct-17	Cloudy	14:10	61.5	59.0	
10-Oct-17	Sunny	13:30	66.5	63.0	64
10-Oct-17	Sunny	13:35	67.0	63.0	
10-Oct-17	Sunny	13:40	67.0	63.0	
10-Oct-17	Sunny	13:45	68.5	64.0	
10-Oct-17	Sunny	13:50	67.0	63.5	
10-Oct-17	Sunny	13:55	66.0	61.5	
16-Oct-17	Cloudy	13:35	66.0	61.0	60
16-Oct-17	Cloudy	13:40	66.0	62.0	
16-Oct-17	Cloudy	13:45	64.0	61.5	
16-Oct-17	Cloudy	13:50	64.5	61.5	
16-Oct-17	Cloudy	13:55	64.0	61.5	
16-Oct-17	Cloudy	14:00	65.5	62.0	
26-Oct-17	Sunny	13:35	61.5	58.5	64
26-Oct-17	Sunny	13:40	64.0	60.5	
26-Oct-17	Sunny	13:45	63.5	59.0	
26-Oct-17	Sunny	13:50	62.0	59.0	
26-Oct-17	Sunny	13:55	62.5	58.0	
26-Oct-17	Sunny	14:00	62.0	59.0	

Remarks:

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

Noise Measurement Results

Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
04-Oct-17	Fine	10:05	61.5	48.0	53
04-Oct-17	Fine	10:10	59.0	49.0	
04-Oct-17	Fine	10:15	56.5	49.5	
04-Oct-17	Fine	10:20	58.5	50.0	
04-Oct-17	Fine	10:25	55.5	51.0	
04-Oct-17	Fine	10:30	62.5	51.0	
10-Oct-17	Sunny	09:35	58.5	49.0	53
10-Oct-17	Sunny	09:40	56.5	49.0	
10-Oct-17	Sunny	09:45	55.0	50.0	
10-Oct-17	Sunny	09:50	58.0	51.5	
10-Oct-17	Sunny	09:55	60.5	51.5	
10-Oct-17	Sunny	10:00	60.0	51.5	
16-Oct-17	Cloudy	10:34	54.0	46.5	58
16-Oct-17	Cloudy	10:39	61.0	48.0	
16-Oct-17	Cloudy	10:44	55.0	47.0	
16-Oct-17	Cloudy	10:49	57.5	46.5	
16-Oct-17	Cloudy	10:54	52.0	47.0	
16-Oct-17	Cloudy	10:59	56.0	46.0	
26-Oct-17	Sunny	09:50	59.0	47.0	57
26-Oct-17	Sunny	09:55	60.5	48.0	
26-Oct-17	Sunny	10:00	55.0	49.0	
26-Oct-17	Sunny	10:05	55.5	48.0	
26-Oct-17	Sunny	10:10	51.5	49.0	
26-Oct-17	Sunny	10:15	60.5	47.5	

Remarks:

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

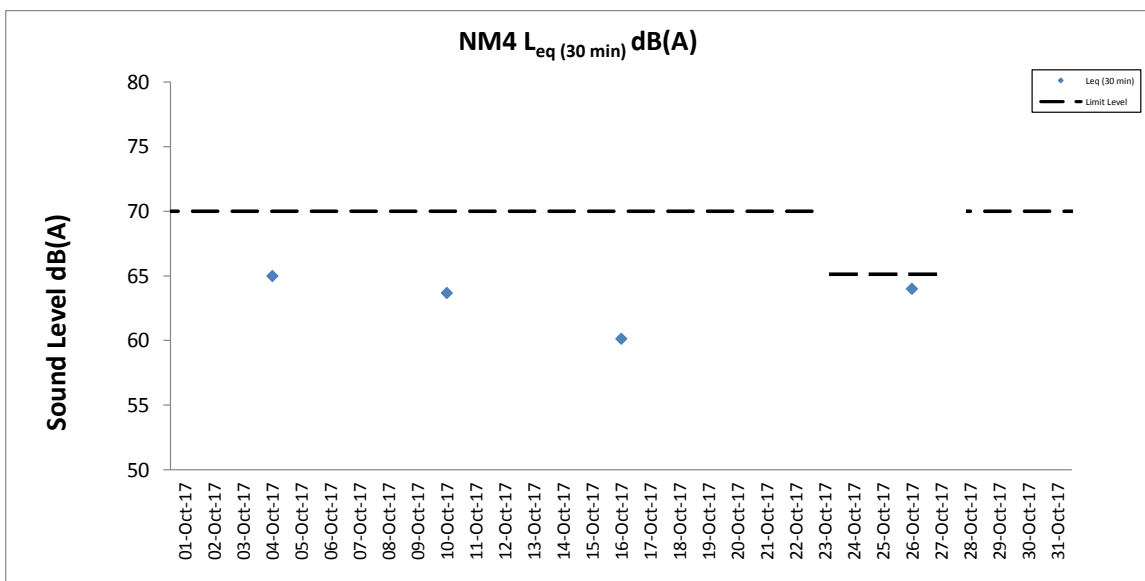
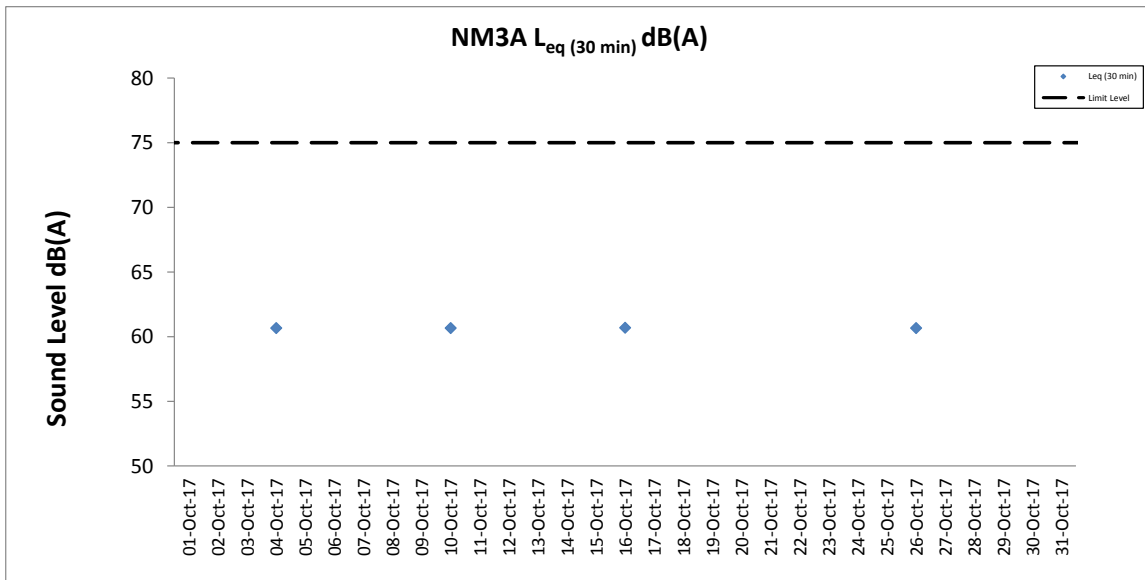
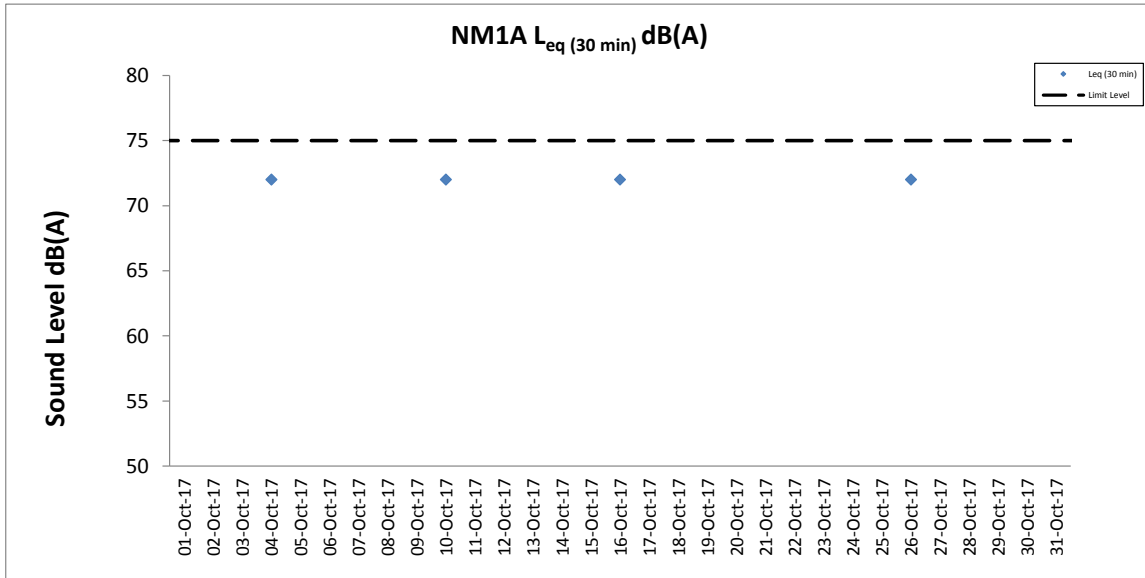
Noise Measurement Results

Station: NM6- House No.1 Sha Lo Wan

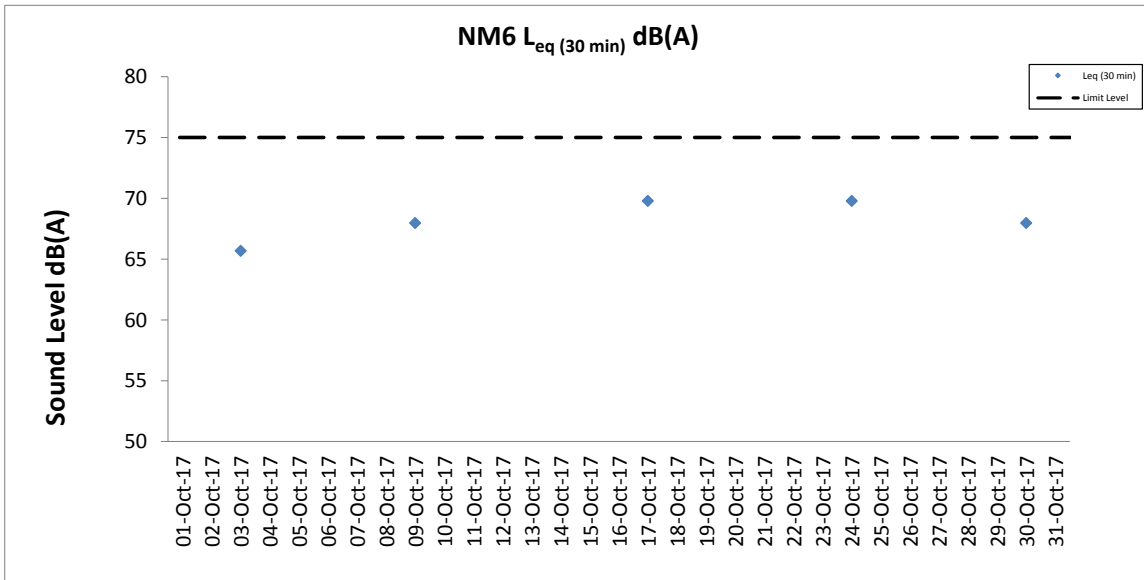
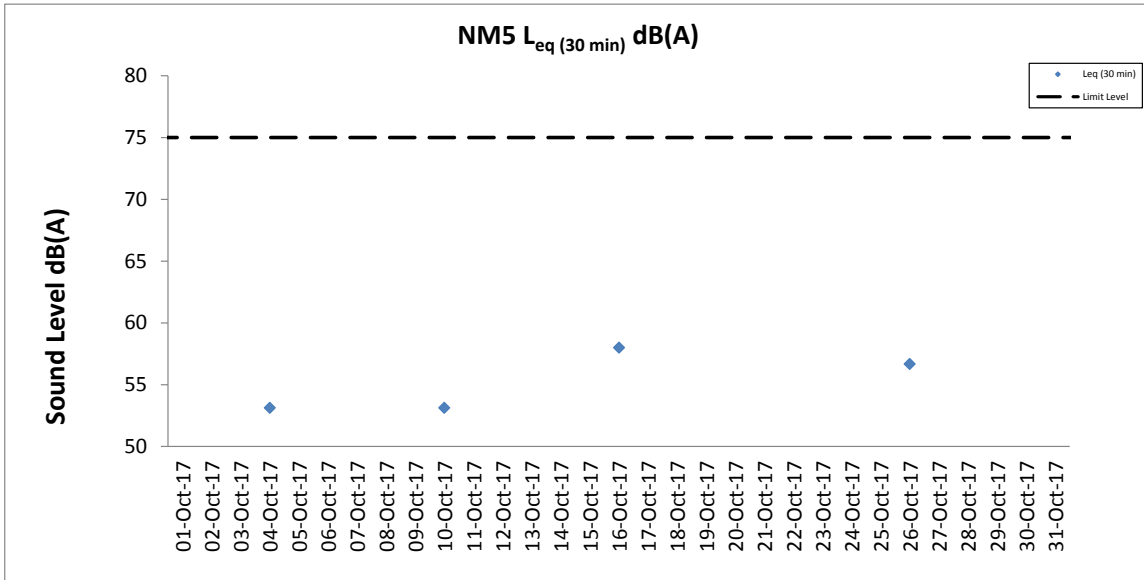
Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
03-Oct-17	Sunny	09:55	65.5	52.0	66
03-Oct-17	Sunny	10:00	68.0	52.0	
03-Oct-17	Sunny	10:05	72.0	52.0	
03-Oct-17	Sunny	10:10	69.0	50.5	
03-Oct-17	Sunny	10:15	69.0	52.0	
03-Oct-17	Sunny	10:20	74.5	53.0	
09-Oct-17	Fine	09:38	69.5	57.5	68
09-Oct-17	Fine	09:43	73.0	56.0	
09-Oct-17	Fine	09:48	73.0	56.0	
09-Oct-17	Fine	09:53	73.5	55.5	
09-Oct-17	Fine	09:58	70.0	54.5	
09-Oct-17	Fine	10:03	72.0	54.5	
17-Oct-17	Cloudy	09:39	74.5	64.0	70
17-Oct-17	Cloudy	09:44	73.0	57.5	
17-Oct-17	Cloudy	09:49	72.5	56.5	
17-Oct-17	Cloudy	09:54	70.0	56.5	
17-Oct-17	Cloudy	09:59	72.5	56.5	
17-Oct-17	Cloudy	10:04	74.5	59.5	
24-Oct-17	Sunny	09:40	72.5	57.5	70
24-Oct-17	Sunny	09:45	74.0	57.5	
24-Oct-17	Sunny	09:50	76.5	60.0	
24-Oct-17	Sunny	09:55	72.5	57.0	
24-Oct-17	Sunny	10:00	70.2	54.0	
24-Oct-17	Sunny	10:05	72.5	56.0	
30-Oct-17	Sunny	09:38	73.5	54.0	68
30-Oct-17	Sunny	09:43	67.5	54.5	
30-Oct-17	Sunny	09:48	73.0	56.5	
30-Oct-17	Sunny	09:53	71.0	56.5	
30-Oct-17	Sunny	09:58	77.0	57.0	
30-Oct-17	Sunny	10:03	63.5	57.0	

Remarks:

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



Note: Limit Level at NM4 reduced to 65 dB(A) during school examinaion period from 23 to 27 October 2017.



Water Quality Monitoring Results

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	11:10	8.6	Surface	1.0	0.6	235	30.0	30.0	8.0	8.0	24.2	24.2	88.1	88.1	5.8	5.6	5.2	12.3	6	7	75	78	815630	804257	<0.2	1.3	1.2			
						1.0	0.7	251	30.0		8.0	8.0	24.2	24.2	88.1	88.1	5.8		5.2		5		76				<0.2	1.2				
					Middle	4.3	0.5	209	29.7	29.7	8.0	8.0	27.9	27.9	82.6	82.6	5.4	5.3	9.9	5.3	9.9	5.3	9	7			78	78		<0.2	1.4	1.2
						4.3	0.5	222	29.7	29.7	8.0	8.0	27.9	27.9	82.6	82.6	5.4		9.9		9		78				<0.2			1.4		
					Bottom	7.6	0.3	208	29.7	29.7	8.0	8.0	28.3	28.3	80.9	80.9	5.3	5.3	5.3	5.3	21.9	5.3	9	6			81	77		<0.2	1.9	1.2
						7.6	0.4	223	29.7	29.7	8.0	8.0	28.3	28.3	80.9	80.9	5.3		21.9		9		82				<0.2			1.1		
C2	Fine	Moderate	12:31	11.1	Surface	1.0	1.0	166	30.7	30.7	7.8	7.8	19.6	19.6	88.4	88.4	5.9	5.5	5.3	16.2	4	5	73	75	825683	806963	<0.2	2.1	2.1			
						1.0	1.0	176	30.7		7.8	7.8	19.6	19.6	88.4	88.4	5.9		5.2		5		73				<0.2	2.0				
					Middle	5.6	0.8	168	30.1	30.1	7.9	7.9	23.6	23.6	76.7	76.7	5.1	5.1	22.1	4.8	3	4	75	75			<0.2	2.3		1.5		
						5.6	0.8	180	30.1	30.1	7.9	7.9	23.6	23.6	76.7	76.7	5.1		22.2		4		75				<0.2	2.2				
					Bottom	10.1	0.3	158	29.8	29.8	7.9	7.9	26.5	26.5	73.4	73.4	4.8	4.8	21.1	4.8	6	6	77	77			<0.2	1.9		1.9		
						10.1	0.4	163	29.8	29.8	7.9	7.9	26.5	26.5	73.4	73.4	4.8		21.1		6		77				<0.2	1.9				
C3	Fine	Moderate	10:16	12.3	Surface	1.0	0.5	52	30.1	30.1	7.9	7.9	24.0	24.0	85.4	85.4	5.7	5.3	6.0	7.3	5	6	73	75	822117	817790	<0.2	1.0	1.3			
						1.0	0.6	54	30.1		7.9	7.9	24.0	24.0	85.4	85.4	5.7		6.0		6		73				<0.2	1.2				
					Middle	6.2	0.3	78	29.6	29.6	7.9	7.9	26.9	26.9	75.0	75.0	4.9	4.9	7.8	4.9	5	5	75	77			<0.2	1.3		1.5		
						6.2	0.3	83	29.6	29.6	7.9	7.9	26.9	26.9	75.0	75.0	4.9		7.9		5		75				<0.2	1.5				
					Bottom	11.3	0.3	86	29.5	29.5	7.9	7.9	27.7	27.7	74.7	74.7	4.9	4.9	8.1	4.9	6	6	77	77			<0.2	1.2		1.3		
						11.3	0.3	89	29.5	29.5	7.9	7.9	27.7	27.7	74.7	74.7	4.9		8.1		6		77				<0.2	1.3				
IM1	Cloudy	Moderate	11:31	7.4	Surface	1.0	0.5	184	29.8	29.8	8.0	8.0	24.9	24.9	82.7	82.7	5.5	5.4	6.9	11.4	4	7	75	77	818339	806439	<0.2	1.6	1.2			
						1.0	0.5	198	29.8		8.0	8.0	24.9	24.9	82.7	82.7	5.5		6.9		5		75				<0.2	1.4				
					Middle	3.7	0.4	185	29.7	29.7	8.0	8.0	26.7	26.7	79.7	79.7	5.2	5.2	10.9	5.2	6	6	77	77			<0.2	1.2		0.8		
						3.7	0.4	200	29.7	29.7	8.0	8.0	26.7	26.7	79.7	79.7	5.2		10.9		5		77				<0.2	1.2				
					Bottom	6.4	0.2	156	29.7	29.7	8.0	8.0	27.3	27.3	79.7	79.7	5.2	5.2	16.5	5.2	12	11	78	78			<0.2	0.8		0.8		
						6.4	0.2	156	29.7	29.7	8.0	8.0	27.3	27.3	79.7	79.7	5.2		16.5		11		78				<0.2	0.8				
IM2	Cloudy	Moderate	11:39	8.3	Surface	1.0	0.6	215	30.0	30.0	8.0	8.0	22.4	22.4	88.1	88.1	5.9	5.6	5.9	14.6	3	8	75	77	818853	806197	<0.2	1.5	1.2			
						1.0	0.6	231	30.0		8.0	8.0	22.4	22.4	88.1	88.1	5.9		5.9		4		75				<0.2	1.4				
					Middle	4.2	0.4	199	29.7	29.7	8.0	8.0	26.3	26.3	80.6	80.6	5.3	5.3	13.4	5.3	4	6	77	77			<0.2	1.4		0.8		
						4.2	0.4	212	29.7	29.7	8.0	8.0	26.3	26.3	80.6	80.6	5.3		13.4		6		79				<0.2	1.3				
					Bottom	7.3	0.3	190	29.6	29.6	8.0	8.0	26.9	26.9	80.3	80.3	5.3	5.3	24.5	5.3	15	16	78	79			<0.2	0.8		0.8		
						7.3	0.3	196	29.6	29.6	8.0	8.0	26.9	26.9	80.3	80.3	5.3		24.5		16		79				<0.2	0.8				
IM3	Cloudy	Moderate	11:46	8.2	Surface	1.0	0.5	199	30.1	30.1	8.0	8.0	22.7	22.7	90.2	90.2	6.0	5.9	5.0	8.8	4	5	75	77	819426	806014	<0.2	1.6	1.4			
						1.0	0.5	201	30.1		8.0	8.0	22.7	22.7	90.2	90.2	6.0		5.0		4		75				<0.2	1.6				
					Middle	4.1	0.3	205	29.8	29.8	8.0	8.0	24.4	24.4	85.7	85.7	5.7	5.7	6.7	5.3	4	6	77	79			<0.2	1.6		0.9		
						4.1	0.3	219	29.8	29.8	8.0	8.0	24.4	24.4	85.7	85.7	5.7		6.7		4		77				<0.2	1.6				
					Bottom	7.2	0.4	194	29.6	29.6	8.0	8.0	27.0	27.0	81.2	81.2	5.3	5.3	14.7	5.3	6	8	79	79			<0.2	0.8		0.8		
						7.2	0.4	195	29.6	29.6	8.0	8.0	27.0	27.0	81.2	81.2	5.3		14.7		8		79				<0.2	0.8				
IM4	Sunny	Moderate	11:53	7.6	Surface	1.0	0.7	206	29.9	29.9	7.9	7.9	23.3	23.3	86.1	86.1	5.7	5.6	8.4	17.7	6	8	75	77	819554	805028	<0.2	1.3	1.2			
						1.0	0.7	223	29.9		7.9	7.9	23.3	23.3	86.1	86.1	5.7		8.4		6		75				<0.2	1.4				
					Middle	3.8	0.6	202	29.8	29.8	8.0	8.0	24.8	24.8	81.3	81.3	5.4	5.4	16.6	5.3	7	5	77	77			<0.2	1.3		1.0		
						3.8	0.6	211	29.8	29.8	8.0	8.0	24.8	24.8	81.3	81.3	5.4		16.6		5		77				<0.2	1.2				
					Bottom	6.6	0.4	182	29.6	29.6	8.0	8.0	27.0	27.0	80.6	80.6	5.3	5.3	28.0	5.3	14	12	79	79			<0.2	1.0		1.0		
						6.6	0.4	193	29.6	29.6	8.0	8.0	27.0	27.0	80.6	80.6	5.3		28.0		12		79				<0.2	1.0				
IM5	Sunny	Moderate	12:05	6.6	Surface	1.0	0.6	190	30.7	30.7	7.9	7.9	20.8	20.8	85.2	85.2	5.7	5.4	8.0	20.2	3	10	74	76	820572	804909	<0.2	1.8	1.4			
						1.0	0.6	203	30.7		7.9	7.9	20.8	20.8	85.2	85.2	5.7		8.0		4		73				<0.2	1.6				
					Middle	3.3	0.5	209	29.6	29.6	8.0	8.0	26.7	26.7	78.0	78.0	5.1	5.1	20.0	5.1	5	4	77	76			<0.2	1.5		0.8		
						3.3	0.6	225	29.6	29.6	8.0	8.0	26.7	26.7	78.0	78.0	5.1		20.0		4		76				<0.2	1.6				
					Bottom	5.6	0.4	208	29.6	29.6	8.0	8.0	27.0	27.0	79.2	79.2	5.2	5.2	32.7	5.2	20	21	77	78			<0.2	0.8		0.8		
						5.6	0.5	209	29.6	29.6	8.0	8.0	27.0	27.0	79.2	79.2	5.2		32.7		21		78				<0.2	0.8				
IM6	Sunny	Moderate	12:13	6.6	Surface	1.0	0.7	213	30.2	30.2	7.9	7.9	21.6	21.6	88.1	88.1	5.9	5.8	5.1	8.2	6	13	73	76	821040	805831	<0.2	2.0	1.4			
						1.0	0.7	232	30.2		7.9	7.9	21.6	21.6	88.0	88.1	5.9		5.1		6		74				<0.2	1.6				
					Middle	3.3	0.6	205	30.0	30.0	7.9	7.9	22.4	22.4	85.3	85.3	5.7	5.7	7.6	5.6	5	6	77	76			<0.2	1.5		1.6		
						3.3	0.6	208	30.0	30.0	7.9	7.9	22.4	22.4	85.3	85.3	5.7		7.6		6		76				<0.2	1.6				
					Bottom	5.6	0.6	200	29.7	29.7	7.9	7.9	25.9	25.9	84.4	84.4	5.6	5.6	12.0	5.6	27	28	77	77			<0.2	1.0		0.9		
						5.6	0.6	202	29.7	29.7	7.9	7.9	25.9	25.9	84.4	84.4	5.6		12.0		28		77				<0.2	0.9				
IM7	Sunny	Moderate	12:25	7.9	Surface	1.0	0.6	206	30.2	30.2	7.9	7.9	21.0	21.0	82.2	82.2																

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA		
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Fine	Moderate	11:49	7.1	Surface	1.0	0.6	147	30.4	7.9	7.9	21.3	21.3	84.4	84.4	5.6	5.5	6.1	5	73	5	73	822099	808810	<0.2	2.0	<0.2	1.9				
						1.0	0.6	155	30.4	7.9	7.9	21.3	21.3	84.4	84.4	5.6	5.5	5.5	6	74	6	74	6	74	<0.2	1.7	<0.2	1.9				
					Middle	3.6	0.5	143	30.0	7.9	7.9	24.3	24.3	81.2	81.2	5.4	5.4	12.5	6	75	6	75	6	75	75	808810	<0.2	1.6	<0.2	1.7		
						3.6	0.5	144	30.0	7.9	7.9	24.3	24.3	81.2	81.2	5.4	5.4	12.5	6	75	6	75	6	75	75	808810	<0.2	1.6	<0.2	1.7		
					Bottom	6.1	0.3	111	30.0	7.9	7.9	25.3	25.3	82.3	82.3	5.4	5.4	13.1	6	77	6	77	6	77	6	77	822099	<0.2	1.8	<0.2	1.8	
						6.1	0.3	116	30.0	7.9	7.9	25.2	25.3	82.3	82.3	5.4	5.4	13.1	8	77	8	77	8	77	8	77	822099	<0.2	1.9	<0.2	1.9	
IM10	Fine	Moderate	11:38	7.6	Surface	1.0	0.6	129	30.5	7.9	7.9	20.9	20.9	85.7	85.7	5.7	5.8	5.8	5	73	5	73	822234	809849	<0.2	1.9	<0.2	1.8				
						1.0	0.6	139	30.5	7.9	7.9	20.9	20.9	85.7	85.7	5.7	5.8	5.8	5	73	5	73	5	73	75	809849	<0.2	1.9	<0.2	1.8		
					Middle	3.8	0.6	118	30.0	7.9	7.9	24.6	24.6	82.6	82.6	5.5	5.5	15.6	4	75	4	75	4	75	75	809849	<0.2	1.9	<0.2	1.9		
						3.8	0.6	126	30.0	7.9	7.9	24.6	24.6	82.6	82.6	5.5	5.5	15.7	4	75	4	75	4	75	75	809849	<0.2	1.9	<0.2	1.9		
					Bottom	6.6	0.3	102	29.9	7.9	7.9	25.3	25.3	83.9	83.9	5.5	5.5	25.5	5	77	5	77	5	77	5	77	822234	<0.2	1.8	<0.2	1.8	
						6.6	0.3	104	29.9	7.9	7.9	25.3	25.3	84.2	84.1	5.5	5.5	26.3	4	77	4	77	4	77	4	77	822234	<0.2	1.8	<0.2	1.8	
IM11	Fine	Moderate	11:24	7.8	Surface	1.0	0.6	114	30.7	7.9	7.9	20.7	20.7	89.9	89.9	6.0	4.1	6	74	6	74	6	74	821481	810554	<0.2	2.0	<0.2	1.8			
						1.0	0.7	123	30.7	7.9	7.9	20.7	20.7	89.9	89.9	6.0	4.3	4	73	4	73	4	73	4	73	76	810554	<0.2	1.8	<0.2	1.8	
					Middle	3.9	0.5	109	30.1	7.9	7.9	23.4	23.4	84.8	84.9	5.6	5.6	10.0	5	75	5	75	5	75	5	75	821481	810554	<0.2	1.8	<0.2	1.8
						3.9	0.5	111	30.1	7.9	7.9	23.4	23.4	84.9	84.9	5.6	5.6	10.0	4	75	4	75	4	75	4	75	76	810554	<0.2	1.7	<0.2	1.7
					Bottom	6.8	0.4	100	30.0	8.1	8.1	24.8	24.8	86.0	86.1	5.7	5.7	26.9	5	78	5	78	5	78	5	78	821481	810554	<0.2	1.8	<0.2	1.8
						6.8	0.4	102	30.0	8.1	8.1	24.8	24.8	86.1	86.1	5.7	5.7	26.9	4	78	4	78	4	78	4	78	76	810554	<0.2	1.8	<0.2	1.8
IM12	Fine	Moderate	11:13	9.0	Surface	1.0	0.7	105	30.3	7.9	7.9	22.1	22.1	89.6	89.6	6.0	4.4	5	73	5	73	5	73	821146	811519	<0.2	1.8	<0.2	1.7			
						1.0	0.7	114	30.3	7.9	7.9	22.1	22.1	89.6	89.6	6.0	4.4	5	73	5	73	5	73	5	73	75	811519	<0.2	1.6	<0.2	1.6	
					Middle	4.5	0.5	84	30.1	8.0	8.0	23.2	23.2	87.6	87.6	5.8	5.8	9.7	4	75	4	75	4	75	4	75	821146	811519	<0.2	1.6	<0.2	1.6
						4.5	0.6	92	30.1	8.0	8.0	23.2	23.2	87.6	87.6	5.8	5.8	9.7	4	75	4	75	4	75	4	75	75	811519	<0.2	1.6	<0.2	1.6
					Bottom	8.0	0.3	90	30.1	8.0	8.0	23.7	23.7	85.5	85.5	5.7	5.7	23.6	4	77	4	77	4	77	4	77	821146	811519	<0.2	1.7	<0.2	1.7
						8.0	0.3	94	30.1	8.0	8.0	23.7	23.7	85.5	85.5	5.7	5.7	23.6	4	77	4	77	4	77	4	77	75	811519	<0.2	1.9	<0.2	1.9
SR2	Fine	Moderate	10:44	4.5	Surface	1.0	0.4	75	30.2	8.0	8.0	22.6	22.6	91.0	91.0	6.1	7.0	7	74	7	74	7	74	821445	814157	<0.2	1.6	<0.2	1.5			
						1.0	0.5	79	30.2	8.0	8.0	22.6	22.6	91.0	91.0	6.1	7.0	6	73	6	73	6	73	6	73	75	814157	<0.2	1.5	<0.2	1.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821445	814157	<0.2	-	<0.2	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	814157	<0.2	-	<0.2	-
					Bottom	3.5	0.3	55	29.9	7.9	7.9	24.2	24.2	86.3	86.3	5.7	5.7	11.2	5	75	5	75	5	75	5	75	821445	814157	<0.2	1.7	<0.2	1.7
						3.5	0.3	55	29.9	7.9	7.9	24.2	24.2	86.3	86.3	5.7	5.7	11.1	5	76	5	76	5	76	5	76	75	814157	<0.2	1.7	<0.2	1.7
SR3	Fine	Moderate	12:04	8.5	Surface	1.0	0.8	171	30.3	7.8	7.8	20.9	20.9	84.0	84.0	5.6	4.8	2	-	2	-	2	-	-	822138	807577	-	-	-	-		
						1.0	0.8	174	30.3	7.8	7.8	20.9	20.9	84.0	84.0	5.6	4.5	2	-	2	-	2	-	2	-	-	807577	-	-	-	-	
					Middle	4.3	0.4	182	30.0	7.9	7.9	24.4	24.4	80.9	80.9	5.4	5.4	16.5	2	-	2	-	2	-	2	-	822138	807577	-	-	-	-
						4.3	0.4	187	30.0	7.9	7.9	24.4	24.4	80.9	80.9	5.4	5.4	16.7	2	-	2	-	2	-	2	-	-	807577	-	-	-	-
					Bottom	7.5	0.1	251	29.9	8.0	8.0	26.2	26.2	81.8	81.8	5.4	5.4	15.2	2	-	2	-	2	-	2	-	-	807577	-	-	-	-
						7.5	0.1	270	29.9	8.0	8.0	26.2	26.2	81.8	81.8	5.4	5.4	15.2	3	-	3	-	3	-	3	-	-	807577	-	-	-	-
SR4A	Sunny	Moderate	10:50	9.5	Surface	1.0	0.2	79	29.8	8.0	8.0	24.4	24.4	86.6	86.6	5.8	9.8	5	-	5	-	5	-	-	817197	807809	-	-	-	-		
						1.0	0.3	86	29.8	8.0	8.0	24.4	24.4	86.6	86.6	5.8	9.8	4	-	4	-	4	-	4	-	-	807809	-	-	-	-	
					Middle	4.8	0.3	66	29.7	7.9	7.9	26.0	26.0	79.7	79.7	5.3	5.3	21.7	10	-	10	-	10	-	10	-	817197	807809	-	-	-	-
						4.8	0.3	72	29.7	7.9	7.9	26.0	26.0	79.7	79.7	5.3	5.3	21.7	10	-	10	-	10	-	10	-	-	807809	-	-	-	-
					Bottom	8.5	0.3	71	29.7	7.9	7.9	26.3	26.3	81.3	81.3	5.4	5.4	31.8	3	-	3	-	3	-	3	-	-	807809	-	-	-	-
						8.5	0.3	74	29.7	7.9	7.9	26.3	26.3	81.3	81.3	5.4	5.4	31.8	33	-	33	-	33	-	33	-	-	807809	-	-	-	-
SR5A	Sunny	Moderate	10:33	4.9	Surface	1.0	0.1	26	30.0	8.0	8.0	23.6	23.6	91.2	91.2	6.1	12.2	9	-	9	-	9	-	-	816605	810678	-	-	-	-		
						1.0	0.1	27	30.0	8.0	8.0	23.6	23.6	91.2	91.2	6.1	12.2	9	-	9	-	9	-	9	-	-	810678	-	-	-	-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816605	810678	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	810678	-	-	-	-
					Bottom	3.9	0.1	145	29.8	7.9	7.9	24.1	24.1	87.0	87.0	5.8	5.8	13.7	9	-	9	-	9	-	9	-	-	810678	-	-	-	-
						3.9	0.1	149	29.8	7.9	7.9	24.1	24.1	87.0	87.0	5.8	5.8	13.7	11													

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 October 17 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	Calm	17:43	8.5	Surface	1.0	0.5	39	30.4	7.9	7.9	22.7	22.7	84.2	84.2	5.6	5.5	9.3	15.1	6	74	77	77	815611	804264	<0.2	1.4	1.3		
						1.0	0.5	41	30.4	7.9	7.9	22.7	22.7	84.2	84.2	5.6	5.5	9.3	15.1	7	75	77	77							
						4.3	0.6	35	29.8	8.0	8.0	26.1	26.1	81.2	81.2	5.3	5.3	16.0	15.1	6	78	77	77							
					4.3	0.6	37	29.8	8.0	8.0	26.1	26.1	81.2	81.2	5.3	5.3	16.0	15.1	6	77	77	77								
					7.5	0.5	38	29.9	7.9	7.9	26.5	26.5	82.8	82.8	5.4	5.4	20.1	15.1	10	79	77	77								
					7.5	0.6	38	29.9	7.9	7.9	26.5	26.5	82.8	82.8	5.4	5.4	20.1	15.1	11	79	77	77								
C2	Fine	Moderate	16:28	11.0	Surface	1.0	0.7	182	30.4	7.7	7.7	19.9	19.9	72.8	72.8	4.9	4.8	7.6	11.5	4	73	76	76	825695	806938	<0.2	3.0	2.7		
						1.0	0.7	199	30.4	7.7	7.7	19.9	19.9	72.8	72.8	4.9	4.8	7.6	11.5	4	74	76	76							
						5.5	0.3	184	30.2	7.8	7.8	23.6	23.8	71.3	71.3	4.7	4.7	11.7	11.5	4	75	76	76							
					5.5	0.4	196	30.2	7.8	7.8	23.9	23.9	71.3	71.3	4.7	4.7	11.9	11.5	5	76	76	76								
					10.0	0.0	304	30.1	7.8	7.8	24.6	24.6	72.5	72.5	4.8	4.8	15.0	11.5	6	77	76	76								
					10.0	0.0	312	30.1	7.8	7.8	24.6	24.6	72.5	72.5	4.8	4.8	15.0	11.5	6	78	76	76								
C3	Fine	Moderate	18:28	11.4	Surface	1.0	0.6	249	30.2	7.9	7.9	24.8	24.8	83.9	83.9	5.5	5.2	5.0	11.3	4	74	76	76	822100	817795	<0.2	1.1	1.1		
						1.0	0.6	262	30.2	7.9	7.9	24.8	24.8	83.9	83.9	5.5	5.2	5.0	11.3	5	74	76	76							
						5.7	0.5	257	29.7	7.9	7.9	27.3	27.3	72.7	72.7	4.8	4.8	10.7	11.3	4	75	76	76							
					5.7	0.6	281	29.7	7.9	7.9	27.3	27.3	72.7	72.7	4.8	4.8	10.8	11.3	6	76	76	76								
					10.4	0.3	268	29.6	7.9	7.9	27.3	27.3	73.1	73.2	4.8	4.8	18.3	11.3	7	78	76	76								
					10.4	0.3	276	29.6	7.9	7.9	27.3	27.3	73.2	73.2	4.8	4.8	18.2	11.3	6	78	76	76								
IM1	Sunny	Moderate	17:20	7.1	Surface	1.0	0.3	359	30.2	8.0	8.0	23.5	23.5	87.0	87.0	5.8	5.8	12.6	15.0	10	75	77	77	818332	806464	<0.2	1.4	1.3		
						1.0	0.3	330	30.2	8.0	8.0	23.5	23.5	87.0	87.0	5.8	5.8	12.6	15.0	10	75	77	77							
						3.6	0.3	351	30.3	8.0	8.0	23.7	23.7	87.8	87.8	5.8	5.8	18.1	15.0	10	77	77	77							
					3.6	0.3	323	30.3	8.0	8.0	23.7	23.7	87.8	87.8	5.8	5.8	18.5	15.0	11	77	77	77								
					6.1	0.4	350	30.3	8.0	8.0	23.9	23.9	87.1	87.1	5.8	5.8	14.0	15.0	12	78	77	77								
					6.1	0.4	353	30.3	8.0	8.0	23.8	23.9	87.1	87.1	5.8	5.8	14.1	15.0	11	78	77	77								
IM2	Sunny	Moderate	17:12	7.8	Surface	1.0	0.2	294	30.4	7.9	7.9	21.7	21.7	84.8	84.8	5.7	5.6	8.6	14.2	7	75	78	78	818861	806189	<0.2	2.1	1.7		
						1.0	0.2	309	30.4	7.9	7.9	21.7	21.7	84.8	84.8	5.7	5.6	8.6	14.2	6	76	78	78							
						3.9	0.3	3	30.2	7.9	7.9	23.5	23.5	83.1	83.1	5.5	5.5	15.0	14.2	10	78	78	78							
					3.9	0.3	3	30.2	7.9	7.9	23.5	23.5	83.1	83.1	5.5	5.5	15.0	14.2	9	77	78	78								
					6.8	0.3	10	30.1	7.9	7.9	25.4	25.4	82.8	82.8	5.4	5.4	19.1	14.2	11	80	78	78								
					6.8	0.3	10	30.1	7.9	7.9	25.4	25.4	82.8	82.8	5.4	5.4	19.1	14.2	13	79	78	78								
IM3	Sunny	Moderate	17:03	8.2	Surface	1.0	0.2	221	30.4	7.9	7.9	20.5	20.5	83.6	83.6	5.6	5.5	9.4	16.8	10	74	76	76	819419	806028	<0.2	1.7	1.8		
						1.0	0.2	229	30.4	7.9	7.9	20.5	20.5	83.6	83.6	5.6	5.5	9.4	16.8	9	74	76	76							
						4.1	0.1	309	30.2	7.9	7.9	23.5	23.5	81.8	81.8	5.4	5.4	18.4	16.8	11	75	76	76							
					4.1	0.1	335	30.2	7.9	7.9	23.5	23.5	81.8	81.8	5.4	5.4	18.4	16.8	12	76	76	76								
					7.2	0.2	17	30.0	7.9	7.9	24.6	24.6	81.6	81.6	5.4	5.4	22.5	16.8	10	78	76	76								
					7.2	0.2	17	30.0	7.9	7.9	24.6	24.6	81.6	81.6	5.4	5.4	22.5	16.8	11	78	76	76								
IM4	Sunny	Moderate	16:55	7.1	Surface	1.0	0.3	309	30.4	7.8	7.8	20.5	20.5	85.5	85.5	5.7	5.7	8.7	14.4	8	73	75	75	819553	805048	<0.2	1.8	1.8		
						1.0	0.3	317	30.4	7.8	7.8	20.5	20.5	85.5	85.5	5.7	5.7	8.7	14.4	7	73	75	75							
						3.6	0.4	327	30.4	7.9	7.9	21.0	21.0	85.4	85.4	5.7	5.7	14.7	14.4	15	75	75	75							
					3.6	0.4	349	30.4	7.9	7.9	21.0	21.0	85.4	85.4	5.7	5.7	14.7	14.4	13	75	75	75								
					6.1	0.4	335	30.3	7.9	7.9	22.0	22.0	85.6	85.6	5.7	5.7	19.8	14.4	15	77	75	75								
					6.1	0.4	347	30.3	7.9	7.9	22.0	22.0	85.6	85.6	5.7	5.7	19.8	14.4	13	77	75	75								
IM5	Sunny	Moderate	16:43	6.3	Surface	1.0	0.2	324	30.3	7.8	7.8	21.1	21.1	82.7	82.7	5.5	5.6	12.2	19.4	10	73	75	75	820556	804910	<0.2	1.7	1.8		
						1.0	0.2	354	30.3	7.8	7.8	21.1	21.1	82.7	82.7	5.5	5.6	12.2	19.4	10	74	75	75							
						3.2	0.3	352	30.3	7.8	7.8	21.4	21.4	82.9	82.9	5.6	5.6	16.9	19.4	14	75	75	75							
					3.2	0.3	324	30.3	7.8	7.8	21.4	21.4	82.9	82.9	5.6	5.6	16.9	19.4	13	75	75	75								
					5.3	0.3	-	30.1	7.8	7.8	22.2	22.2	82.1	82.1	5.5	5.5	29.0	19.4	14	78	75	75								
					5.3	0.3	-	30.1	7.8	7.8	22.2	22.2	82.1	82.1	5.5	5.5	29.0	19.4	14	77	75	75								
IM6	Sunny	Moderate	16:35	6.2	Surface	1.0	0.4	280	30.2	7.8	7.8	20.9	20.9	77.1	77.1	5.2	5.2	9.0	10.8	8	73	75	75	821044	805846	<0.2	1.8	1.8		
						1.0	0.4	307	30.2	7.8	7.8	20.9	20.9	77.1	77.1	5.2	5.2	9.0	10.8	6	73	75	75							
						3.1	0.3	289	30.2	7.8	7.8	20.9	20.9	77.5	77.5	5.2	5.2	10.1	10.8	17	75	75	75							
					3.1	0.3	292	30.2	7.8	7.8	20.9	20.9	77.5	77.5	5.2	5.2	10.1	10.8	18	75	75	75								
					5.2	0.3	294	30.2	7.8	7.8	21.0	21.0	79.1	79.1	5.3	5.3	13.4	10.8	20	77	75	75								
					5.2	0.3	309	30.2	7.8	7.8	21.0	21.0	79.1	79.1	5.3	5.3	13.4	10.8	20	77	75	75								
IM7	Sunny	Moderate	16:29	7.2	Surface	1.0	0.5	248	30.2	7.7	7.7	20.4	20.4	75.9	75.9	5.1	5.2	7.5	8.9	8	73	75	75	821347	806838	<0.2	2.1	2.1		
						1.0	0.5	253	30.2	7.7	7.7	20.4	20.4	75.9	75.9	5.1	5.2	7.5	8.9	8	73	75	75							
						3.6	0.5	267	30.2	7.7	7.7	21.1	21.1	77.3	77.3	5.2	5.2	9.6	8.9	8	75	75	75							
					3.6	0.5	275	30.2	7.7	7.7	21.1	21.1	77.3	77.3	5.2	5.2	9.6	8.9	10	75	75	75								
					6.2	0.3	259	30.1	7.7	7.7	21.4	21.4	77.6	77.6	5.2	5.2	9.7	8.9	13	78	75	75								
					6.2	0.3	275	30.1	7.7	7.7	21.4	21.4	77.6	77.6	5.2	5.2	9.7	8.9	11	77	75	75								
IM8	Fine	Moderate	16:52	7.7	Surface	1.0	0.3	219	30.6	7.7	7.7	19.9	19.9	79.8	79.8	5.4	5.4	6.6	8.4	8	73	76	76	821681	807857					

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

Water Quality Monitoring

Water Quality Monitoring Results on 03 October 17 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	Value	DA	Value	DA
IM9	Fine	Moderate	17:00	6.7	Surface	1.0	0.2	227	30.8	7.7	7.7	18.2	18.2	82.5	82.5	5.6	6.8	8.0	9	74	74	74	74	822078	808822	<0.2	<0.2	2.2	2.4							
						1.0	0.2	239	30.8	7.7	7.7	18.2	18.2	82.5	82.5	5.6	6.8	8.0	9	74	74	74	74	74	74	<0.2	<0.2	2.7	2.4							
					Middle	3.4	0.2	284	30.6	7.8	7.8	20.2	20.2	81.7	81.7	5.5	8.2	14.5	8	76	76	76	76	76	76	<0.2	<0.2	2.1	2.4							
						3.4	0.2	293	30.6	7.8	7.8	20.2	20.2	81.7	81.7	5.5	8.2	14.5	8	76	76	76	76	76	76	<0.2	<0.2	2.1	2.4							
					Bottom	5.7	0.2	303	30.4	7.8	7.8	21.4	21.4	81.9	81.9	5.5	8.8	14.5	8	77	77	77	77	77	77	<0.2	<0.2	2.6	2.4							
						5.7	0.3	328	30.4	7.8	7.8	21.4	21.4	81.9	81.9	5.5	8.8	14.5	8	78	78	78	78	78	78	<0.2	<0.2	2.6	2.4							
IM10	Fine	Moderate	17:09	7.7	Surface	1.0	0.3	278	30.5	7.8	7.8	21.5	21.5	83.6	83.6	5.6	7.0	14.5	8	73	73	73	73	822242	809843	<0.2	<0.2	2.2	2.0							
						1.0	0.3	295	30.5	7.8	7.8	21.5	21.5	83.6	83.6	5.6	7.1	14.5	8	74	74	74	74	74	74	<0.2	<0.2	2.1	2.0							
					Middle	3.9	0.3	304	30.3	7.8	7.8	22.5	22.5	82.9	82.9	5.5	13.3	14.5	8	76	76	76	76	76	76	<0.2	<0.2	1.8	2.0							
						3.9	0.3	322	30.3	7.8	7.8	22.5	22.5	82.8	82.8	5.5	13.3	14.5	8	76	76	76	76	76	76	<0.2	<0.2	1.6	2.0							
					Bottom	6.7	0.3	327	30.3	7.8	7.8	22.6	22.6	82.8	82.8	5.5	22.9	14.5	8	78	78	78	78	78	78	<0.2	<0.2	2.1	2.0							
						6.7	0.3	345	30.3	7.8	7.8	22.6	22.6	82.8	82.8	5.5	23.2	14.5	8	78	78	78	78	78	78	<0.2	<0.2	1.9	2.0							
IM11	Fine	Moderate	17:24	7.5	Surface	1.0	0.3	304	30.8	7.9	7.9	21.0	21.0	90.7	90.7	6.0	6.7	15.3	5	74	74	74	74	821513	810543	<0.2	<0.2	1.9	1.9							
						1.0	0.3	320	30.8	7.9	7.9	21.0	21.0	90.6	90.6	6.0	6.9	15.3	5	74	74	74	74	74	74	<0.2	<0.2	1.8	1.9							
					Middle	3.8	0.4	301	30.4	7.9	7.9	22.9	22.9	87.9	87.9	5.8	13.5	15.3	5	75	75	75	75	75	75	<0.2	<0.2	1.9	1.9							
						3.8	0.4	316	30.4	7.9	7.9	22.9	22.9	87.9	87.9	5.8	13.5	15.3	5	76	76	76	76	76	76	<0.2	<0.2	1.8	1.9							
					Bottom	6.5	0.4	296	30.3	7.9	7.9	23.2	23.2	84.4	84.4	5.6	25.2	15.3	5	78	78	78	78	78	78	<0.2	<0.2	2.1	1.9							
						6.5	0.4	299	30.3	7.9	7.9	23.2	23.2	84.4	84.4	5.6	25.8	15.3	4	78	78	78	78	78	78	<0.2	<0.2	2.0	1.9							
IM12	Fine	Moderate	17:34	8.3	Surface	1.0	0.6	284	30.8	8.0	8.0	22.7	22.7	110.2	110.2	7.3	9.8	18.0	4	74	74	74	74	821161	811517	<0.2	<0.2	1.7	1.5							
						1.0	0.6	294	30.8	8.0	8.0	22.7	22.7	110.1	110.1	7.3	10.1	18.0	5	74	74	74	74	74	74	<0.2	<0.2	1.6	1.5							
					Middle	4.2	0.7	281	30.4	8.0	8.0	23.7	23.7	99.0	99.0	6.5	15.4	18.0	4	76	76	76	76	76	76	<0.2	<0.2	1.4	1.5							
						4.2	0.7	306	30.4	8.0	8.0	23.7	23.7	98.9	98.9	6.5	15.3	18.0	4	77	77	77	77	77	77	<0.2	<0.2	1.4	1.5							
					Bottom	7.3	0.5	281	30.2	7.9	7.9	24.0	24.0	88.0	88.0	5.8	28.5	18.0	4	78	78	78	78	78	78	<0.2	<0.2	1.5	1.5							
						7.3	0.6	293	30.2	7.9	7.9	24.0	24.0	88.0	88.0	5.8	28.9	18.0	5	78	78	78	78	78	78	<0.2	<0.2	1.5	1.5							
SR2	Fine	Moderate	18:02	4.6	Surface	1.0	0.4	312	30.3	7.9	7.9	23.8	23.8	85.8	85.8	5.7	15.4	19.1	9	74	74	74	74	821465	814180	<0.2	<0.2	1.6	1.4							
						1.0	0.4	342	30.3	7.9	7.9	23.8	23.8	85.8	85.8	5.7	15.4	19.1	10	74	74	74	74	74	74	<0.2	<0.2	1.5	1.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.6	0.3	313	30.2	7.9	7.9	24.1	24.1	84.7	84.7	5.6	22.9	19.1	9	76	76	76	76	76	76	76	821465	814180	<0.2	<0.2	1.3	1.4				
						3.6	0.3	314	30.2	7.9	7.9	24.1	24.1	84.7	84.7	5.6	22.7	19.1	8	76	76	76	76	76	76	76	821465	814180	<0.2	<0.2	1.3	1.4				
SR3	Fine	Moderate	16:47	8.2	Surface	1.0	0.4	195	30.5	7.7	7.7	19.8	19.8	77.7	77.7	5.2	6.4	8.5	5	-	-	-	-	822148	807569	-	-	-	-							
						1.0	0.4	203	30.5	7.7	7.7	19.8	19.8	77.7	77.7	5.2	6.4	8.5	5	-	-	-	-	-	-	-	-	-	-	-	-					
					Middle	4.1	0.2	232	30.4	7.8	7.8	22.2	22.2	77.6	77.6	5.2	8.6	8.5	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
						4.1	0.2	249	30.4	7.8	7.8	22.2	22.2	77.6	77.6	5.2	8.6	8.5	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	7.2	0.2	235	30.3	7.8	7.8	22.4	22.4	78.1	78.1	5.2	10.4	8.5	4	-	-	-	-	-	-	-	-	-	-	-	-	-				
						7.2	0.2	245	30.3	7.8	7.8	22.4	22.4	78.1	78.1	5.2	10.5	8.5	6	-	-	-	-	-	-	-	-	-	-	-	-	-				
SR4A	Cloudy	Calm	18:02	8.2	Surface	1.0	0.1	181	30.3	8.0	8.0	24.0	24.0	106.9	106.9	7.1	18.9	21.3	14	-	-	-	-	817187	807795	-	-	-	-							
						1.0	0.1	184	30.3	8.0	8.0	24.0	24.0	106.9	106.9	7.1	18.9	21.3	14	-	-	-	-	-	-	-	-	-	-	-						
					Middle	4.1	0.1	231	30.3	8.0	8.0	24.0	24.0	104.7	104.7	6.9	20.3	21.3	19	-	-	-	-	-	-	-	-	-	-	-	-					
						4.1	0.1	234	30.3	8.0	8.0	24.0	24.0	104.7	104.7	6.9	20.4	21.3	21	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	7.2	0.0	13	30.3	8.0	8.0	24.1	24.1	102.6	102.6	6.8	24.8	21.3	19	-	-	-	-	-	-	-	-	-	-	-	-					
						7.2	0.0	14	30.3	8.0	8.0	24.1	24.1	102.6	102.6	6.8	24.7	21.3	20	-	-	-	-	-	-	-	-	-	-	-						
SR5A	Cloudy	Calm	18:19	4.8	Surface	1.0	0.2	295	30.4	8.0	8.0	23.8	23.8	107.0	107.0	7.1	17.4	17.7	12	-	-	-	-	816576	810687	-	-	-	-							
						1.0	0.3	311	30.4	8.0	8.0	23.8	23.8	107.0	107.0	7.1	17.4	17.7	13	-	-	-	-	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.8	0.2	310	30.4	8.0	8.0	23.9	23.9	105.9	105.9	7.0	18.0	17.7	14	-	-	-	-	-	-	-	-	-	-	-						
						3.8	0.2	322	30.4	8.0	8.0	23.9	23.9	105.9	105.9	7.0	18.0	17.7	15	-	-	-	-	-	-	-	-	-	-							
SR6	Cloudy	Calm	18:42	4.6	Surface	1.0	0.0	310	30.3	8.0	8.0	22.9	22.9	98.2	98.2	6.5	18.7	20.1	16	-	-	-	-	817880	814654	-	-	-	-							
						1.0	0.0	314	30.3	8.0	8.0	22.9	22.9	98.2	98.2																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 October 17 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	Sunny	Moderate	12:46	9.1	Surface	1.0	0.7	212	29.9	29.9	8.0	8.0	28.7	28.7	94.7	94.7	6.1	6.1	6.9	6.9	8	8	92	92	815614	804229	<0.2	<0.2	0.4	0.4						
						1.0	0.7	212	29.9	8.0	8.0	28.7	28.7	94.7	94.7	6.1	6.1	6.9	6.9	7	7	92	92	0.5					0.5							
					Middle	4.6	1.0	210	29.7	29.7	8.0	8.0	28.8	28.8	91.9	91.9	6.0	6.0	10.8	10.8	6	6	93	93					0.6	0.6						
						4.6	1.1	210	29.7	29.7	8.0	8.0	28.8	28.8	91.8	91.8	6.0	6.0	11.0	11.0	6	6	94	94					0.6	0.6						
					Bottom	8.1	0.6	250	29.6	29.6	8.0	8.0	29.5	29.5	87.0	87.0	5.6	5.6	26.0	26.0	6	6	94	94					0.6	0.6						
						8.1	0.6	250	29.6	29.6	8.0	8.0	29.5	29.5	87.1	87.1	5.6	5.6	25.5	25.5	6	6	94	94					0.5	0.5						
C2	Sunny	Rough	13:59	11.2	Surface	1.0	1.7	178	30.3	30.3	7.8	7.8	22.3	22.3	85.3	85.3	5.7	5.7	8.9	8.9	5	5	91	91	825672	806931	<0.2	<0.2	1.5	1.5						
						1.0	1.7	186	30.3	30.3	7.8	7.8	22.3	22.3	85.3	85.3	5.7	5.7	8.9	8.9	7	7	92	92					1.7	1.7						
					Middle	5.6	1.3	172	30.3	30.3	7.8	7.8	22.7	22.7	81.8	81.8	5.4	5.4	32.5	32.5	14	14	94	94					1.6	1.6						
						5.6	1.3	172	30.3	30.3	7.8	7.8	22.7	22.7	81.8	81.8	5.4	5.4	32.5	32.5	13	13	95	95					1.4	1.4						
					Bottom	10.2	0.5	174	30.0	30.0	7.8	7.8	25.0	25.0	81.5	81.5	5.4	5.4	53.8	53.8	46	46	97	97					1.4	1.4						
						10.2	0.5	180	30.0	30.0	7.8	7.8	25.0	25.0	81.5	81.5	5.4	5.4	53.8	53.8	47	47	96	96					1.4	1.4						
C3	Sunny	Moderate	11:48	12.9	Surface	1.0	0.4	109	30.1	30.1	7.9	7.9	25.3	25.3	79.7	79.7	4.8	4.8	8.0	8.0	6	6	94	94	822092	817798	<0.2	<0.2	1.0	1.0						
						1.0	0.5	116	30.1	30.1	7.9	7.9	25.3	25.3	79.7	79.7	4.8	4.8	8.0	8.0	6	6	94	94					1.0	1.0						
					Middle	6.5	0.4	19	29.7	29.7	7.9	7.9	27.2	27.2	76.6	76.6	4.6	4.6	8.3	8.3	6	6	96	96					0.9	0.9						
						6.5	0.4	20	29.7	29.7	7.9	7.9	27.2	27.2	76.6	76.6	4.6	4.6	8.3	8.3	5	5	96	96					1.0	1.0						
					Bottom	11.9	0.3	47	29.6	29.6	7.9	7.9	28.0	28.0	71.2	71.2	4.3	4.3	14.1	14.1	8	8	98	98					0.7	0.7						
						11.9	0.3	48	29.6	29.6	7.9	7.9	28.0	28.0	71.2	71.2	4.3	4.3	14.1	14.1	9	9	99	99					0.8	0.8						
IM1	Sunny	Moderate	13:07	7.4	Surface	1.0	0.9	196	29.8	29.8	8.0	8.0	28.1	28.1	88.7	88.7	5.8	5.8	9.6	9.6	7	7	92	92	818337	806445	<0.2	<0.2	0.6	0.6						
						1.0	1.0	211	29.8	29.8	8.0	8.0	28.1	28.1	88.6	88.6	5.8	5.8	9.6	9.6	7	7	92	92					0.6	0.6						
					Middle	3.7	0.7	195	29.6	29.6	8.0	8.0	29.2	29.2	86.2	86.2	5.6	5.6	14.2	14.2	6	6	94	94					0.7	0.7						
						3.7	0.7	199	29.6	29.6	8.0	8.0	29.2	29.2	86.2	86.2	5.6	5.6	14.2	14.2	7	7	95	95					0.7	0.7						
					Bottom	6.4	0.3	268	29.6	29.6	8.0	8.0	29.3	29.3	86.5	86.5	5.6	5.6	21.3	21.3	14	14	96	96					0.5	0.5						
						6.4	0.3	288	29.6	29.6	8.0	8.0	29.3	29.3	86.5	86.5	5.6	5.6	21.2	21.2	13	13	96	96					0.4	0.4						
IM2	Sunny	Moderate	13:13	8.3	Surface	1.0	1.0	193	30.1	30.1	8.0	8.0	25.4	25.4	90.2	90.1	5.9	5.9	7.7	7.7	5	5	92	92	818835	806197	<0.2	<0.2	1.2	1.2						
						1.0	1.0	210	30.1	30.1	8.0	8.0	25.4	25.4	90.0	90.0	5.9	5.9	7.9	7.9	4	4	92	92					1.1	1.1						
					Middle	4.2	0.9	200	29.7	29.7	8.0	8.0	28.5	28.5	87.8	87.8	5.7	5.7	12.1	12.1	5	5	94	94					1.1	1.1						
						4.2	1.0	219	29.7	29.7	8.0	8.0	28.5	28.5	87.8	87.8	5.7	5.7	12.2	12.2	5	5	94	94					1.2	1.2						
					Bottom	7.3	0.2	165	29.7	29.7	8.0	8.0	29.0	29.0	86.7	86.7	5.6	5.6	21.6	21.6	14	14	97	97					0.5	0.5						
						7.3	0.2	165	29.7	29.7	8.0	8.0	29.0	29.0	86.7	86.7	5.6	5.6	21.6	21.6	16	16	97	97					0.6	0.6						
IM3	Fine	Moderate	13:22	8.2	Surface	1.0	0.9	203	30.0	30.0	8.0	8.0	26.3	26.3	88.2	88.2	5.8	5.8	9.8	9.8	7	7	92	92	819398	806008	<0.2	<0.2	1.2	1.2						
						1.0	0.9	218	30.0	30.0	8.0	8.0	26.3	26.3	88.2	88.2	5.8	5.8	9.8	9.8	7	7	92	92					1.0	1.0						
					Middle	4.1	1.0	214	29.8	29.8	8.0	8.0	27.9	27.9	87.3	87.3	5.7	5.7	14.6	14.6	8	8	94	94					0.9	0.9						
						4.1	1.0	220	29.8	29.8	8.0	8.0	27.9	27.9	87.3	87.3	5.7	5.7	14.6	14.6	9	9	94	94					1.2	1.2						
					Bottom	7.2	0.5	211	29.7	29.7	8.0	8.0	28.7	28.7	87.0	87.0	5.6	5.6	26.5	26.5	18	18	96	96					0.6	0.6						
						7.2	0.5	212	29.7	29.7	8.0	8.0	28.7	28.7	86.9	86.9	5.6	5.6	26.3	26.3	19	19	96	96					0.2	0.2						
IM4	Fine	Moderate	13:28	7.8	Surface	1.0	0.8	181	29.9	29.9	8.0	8.0	27.0	27.0	88.9	88.9	5.8	5.8	11.4	11.4	12	12	92	92	819583	805056	<0.2	<0.2	0.7	0.7						
						1.0	0.9	182	29.9	29.9	8.0	8.0	27.0	27.0	88.9	88.9	5.8	5.8	11.4	11.4	12	12	91	91					0.6	0.6						
					Middle	3.9	0.6	188	29.8	29.8	8.0	8.0	27.8	27.8	87.4	87.4	5.7	5.7	16.4	16.4	11	11	94	94					0.7	0.7						
						3.9	0.6	201	29.8	29.8	8.0	8.0	27.8	27.8	87.4	87.4	5.7	5.7	16.4	16.4	11	11	94	94					0.7	0.7						
					Bottom	6.8	0.4	203	29.6	29.6	8.0	8.0	28.5	28.5	85.2	85.2	5.5	5.5	26.5	26.5	12	12	96	96					0.7	0.7						
						6.8	0.4	208	29.6	29.6	8.0	8.0	28.5	28.5	85.2	85.2	5.5	5.5	26.5	26.5	11	11	97	97					0.7	0.7						
IM5	Fine	Moderate	13:41	6.9	Surface	1.0	0.9	198	29.9	29.9	8.0	8.0	25.7	25.7	87.6	87.6	5.8	5.8	10.6	10.6	5	5	93	93	820557	804920	<0.2	<0.2	1.0	1.0						
						1.0	0.9	213	29.9	29.9	8.0	8.0	25.7	25.7	87.6	87.6	5.8	5.8	10.6	10.6	6	6	92	92					1.0	1.0						
					Middle	3.5	1.0	208	29.6	29.6	8.0	8.0	28.0	28.0	89.7	89.7	5.9	5.9	15.0	15.0	6	6	95	95					0.9	0.9						
						3.5	1.0	219	29.6	29.6	8.0	8.0	28.0	28.0	89.7	89.7	5.9	5.9	15.0	15.0	6	6	95	95					1.0	1.0						
					Bottom	5.9	0.7	215	29.6	29.6	8.0	8.0	28.3	28.3	86.2	86.2	5.6	5.6	30.2	30.2	12	12	98	98					0.9	0.9						
						5.9	0.7	221	29.6	29.6	8.0	8.0	28.3	28.3	86.3	86.3	5.6	5.6	30.2	30.2	12	12	98	98					0.8	0.8						
IM6	Fine	Moderate	13:54	6.6	Surface	1.0	0.4	197	29.9	29.9	7.9	7.9	25.1	25.1	85.9	85.9	5.7	5.7	10.4	10.4	7	7	93	93	821063	805828	<0.2	<0.2	1.0	1.0						
						1.0	0.4	206	29.9	29.9	7.9	7.9	25.1	25.1	85.9	85.9	5.7	5.7	10.4	10.4	6	6	92	92					1.1	1.1						
					Middle	3.3	0.7	220	29.7	29.7	8.0	8.0	26.5	26.5	84.7	84.7	5.6	5.6	14.2	14.2	6	6	95	95					1.1	1.1						
						3.3	0.8	221	29.7	29.7	8.0	8.0	26.5	26.5	84.7	84.7	5.6	5.6																		

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

Water Quality Monitoring

Water Quality Monitoring Results on **05 October 17** 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
IM9	Sunny	Moderate	13:17	7.3	Surface	1.0	0.9	162	30.2	7.9	7.9	23.6	23.6	83.2	83.2	5.5	5.5	7.9	3	92	94	822078	808825	<0.2	<0.2	1.3	1.3				
						1.0	0.9	163	30.2	7.9	7.9	23.6	23.6	83.2	83.2	5.5	5.5	7.9	3	91	94	<0.2	<0.2	1.1	1.1						
					Middle	3.7	0.6	161	30.0	30.0	7.9	7.9	25.8	25.8	84.1	84.1	5.5	5.5	14.1	5	93	94	<0.2	<0.2	1.1	1.1					
						3.7	0.6	175	30.0	30.0	7.9	7.9	25.8	25.8	84.1	84.1	5.5	5.5	14.1	6	94	96	<0.2	<0.2	1.1	1.1					
					Bottom	6.3	0.3	162	29.9	29.9	8.0	8.0	27.6	27.6	86.1	86.1	5.6	5.6	17.7	14	96	96	<0.2	<0.2	0.8	0.8					
						6.3	0.3	162	29.9	29.9	8.0	8.0	27.6	27.6	86.1	86.1	5.6	5.6	17.7	13	96	96	<0.2	<0.2	0.7	0.7					
IM10	Sunny	Moderate	13:09	7.6	Surface	1.0	1.0	137	30.0	7.9	7.9	23.4	23.4	83.3	83.3	5.5	5.5	4.3	5	91	94	822225	809838	<0.2	<0.2	1.2	1.2				
						1.0	1.0	138	30.0	7.9	7.9	23.4	23.4	83.3	83.3	5.5	5.5	4.3	4	91	94	<0.2	<0.2	1.1	1.1						
					Middle	3.8	0.7	126	30.0	30.0	7.9	7.9	25.8	25.8	83.1	83.1	5.5	5.5	14.8	8	94	93	<0.2	<0.2	1.2	1.2					
						3.8	0.7	133	30.0	30.0	7.9	7.9	25.8	25.8	83.1	83.1	5.5	5.5	14.8	10	93	96	<0.2	<0.2	0.8	0.8					
					Bottom	6.6	0.5	113	29.9	29.9	8.0	8.0	26.9	26.9	84.5	84.5	5.5	5.5	13.0	17	96	96	<0.2	<0.2	1.1	1.1					
						6.6	0.5	123	29.9	29.9	8.0	8.0	26.9	26.9	84.5	84.5	5.5	5.5	13.0	18	96	96	<0.2	<0.2	0.8	0.8					
IM11	Sunny	Moderate	12:55	8.4	Surface	1.0	0.7	121	30.3	7.9	7.9	23.7	23.7	87.4	87.4	5.8	5.8	5.7	5	92	94	821502	810526	<0.2	<0.2	1.2	1.2				
						1.0	0.7	130	30.3	7.9	7.9	23.7	23.7	87.4	87.4	5.8	5.8	5.7	4	92	94	<0.2	<0.2	1.1	1.1						
					Middle	4.2	0.6	119	30.1	30.1	8.0	8.0	25.4	25.4	87.2	87.2	5.7	5.7	19.8	14	94	95	<0.2	<0.2	1.2	1.2					
						4.2	0.6	119	30.1	30.1	8.0	8.0	25.4	25.4	87.2	87.2	5.7	5.7	19.8	13	95	96	<0.2	<0.2	0.7	0.7					
					Bottom	7.4	0.5	96	30.0	30.0	8.0	8.0	26.6	26.6	86.9	86.9	5.7	5.7	32.6	47	96	97	<0.2	<0.2	0.8	0.8					
						7.4	0.5	99	30.0	30.0	8.0	8.0	26.6	26.6	86.9	86.9	5.7	5.7	32.6	51	97	97	<0.2	<0.2	0.8	0.8					
IM12	Sunny	Moderate	12:45	9.3	Surface	1.0	0.8	106	30.2	7.9	7.9	24.6	24.6	89.1	89.1	5.9	5.9	8.0	10	92	94	821165	811537	<0.2	<0.2	1.2	1.2				
						1.0	0.8	108	30.2	7.9	7.9	24.6	24.6	89.1	89.1	5.9	5.9	8.0	10	93	94	<0.2	<0.2	1.1	1.1						
					Middle	4.7	0.7	98	30.2	30.2	7.9	7.9	25.0	25.0	88.5	88.5	5.8	5.8	14.3	9	94	94	<0.2	<0.2	1.2	1.2					
						4.7	0.7	101	30.2	30.2	7.9	7.9	25.0	25.0	88.5	88.5	5.8	5.8	14.3	11	94	96	<0.2	<0.2	1.1	1.1					
					Bottom	8.3	0.3	75	30.0	30.0	8.0	8.0	26.6	26.6	89.1	89.1	5.8	5.8	37.9	14	96	96	<0.2	<0.2	1.0	1.0					
						8.3	0.3	81	30.0	30.0	8.0	8.0	26.6	26.6	89.1	89.1	5.8	5.8	37.9	16	96	96	<0.2	<0.2	1.0	1.0					
SR2	Sunny	Moderate	12:16	5.1	Surface	1.0	0.7	75	30.0	7.9	7.9	24.9	24.9	79.6	79.6	5.3	5.3	15.7	7	92	94	821452	814161	<0.2	<0.2	1.1	1.1				
						1.0	0.7	77	30.0	7.9	7.9	24.9	24.9	79.6	79.6	5.3	5.3	15.7	7	92	92	<0.2	<0.2	1.0	1.0						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.1	0.4	45	29.8	29.8	7.9	7.9	25.7	25.7	77.4	77.4	5.1	5.1	29.4	20	96	97	<0.2	<0.2	1.1	1.1					
						4.1	0.4	46	29.8	29.8	7.9	7.9	25.7	25.7	77.4	77.4	5.1	5.1	29.4	21	97	97	<0.2	<0.2	1.1	1.1					
SR3	Sunny	Moderate	13:31	8.8	Surface	1.0	1.1	176	30.2	7.9	7.9	23.3	23.3	85.2	85.2	5.7	5.7	7.1	4	-	-	822150	807565	-	-	-	-				
						1.0	1.2	189	30.2	7.9	7.9	23.3	23.3	85.2	85.2	5.7	5.7	7.1	5	-	-	-	-	-	-	-	-				
					Middle	4.4	0.8	196	30.0	30.0	7.9	7.9	25.4	25.4	85.3	85.3	5.6	5.6	14.7	12	-	-	-	-	-	-	-	-	-		
						4.4	0.8	210	30.0	30.0	7.9	7.9	25.4	25.4	85.3	85.3	5.6	5.6	14.7	12	-	-	-	-	-	-	-	-	-		
					Bottom	7.8	0.5	217	29.9	29.9	8.0	8.0	28.2	28.2	86.1	86.1	5.6	5.6	17.2	28	-	-	-	-	-	-	-	-	-		
						7.8	0.5	221	29.9	29.9	8.0	8.0	28.2	28.2	86.1	86.1	5.6	5.6	17.0	30	-	-	-	-	-	-	-	-	-		
SR4A	Sunny	Moderate	12:27	10.1	Surface	1.0	0.2	51	29.8	29.8	8.0	8.0	28.5	28.5	87.8	87.8	5.7	5.7	13.4	12	-	-	817203	807807	-	-	-	-			
						1.0	0.2	54	29.8	29.8	8.0	8.0	28.5	28.5	87.8	87.8	5.7	5.7	13.5	13	-	-	-	-	-	-	-				
					Middle	5.1	0.2	39	29.6	29.6	8.0	8.0	28.9	28.9	86.5	86.5	5.6	5.6	16.2	16	-	-	-	-	-	-	-	-			
						5.1	0.2	40	29.6	29.6	8.0	8.0	28.9	28.9	86.5	86.5	5.6	5.6	16.3	16	-	-	-	-	-	-	-	-			
					Bottom	9.1	0.1	52	29.6	29.6	8.0	8.0	29.2	29.2	85.7	85.7	5.6	5.6	22.5	18	-	-	-	-	-	-	-	-			
						9.1	0.1	53	29.6	29.6	8.0	8.0	29.2	29.2	85.7	85.7	5.6	5.6	22.4	18	-	-	-	-	-	-	-	-			
SR5A	Sunny	Moderate	12:11	4.5	Surface	1.0	0.1	5	30.0	30.0	7.9	7.9	24.7	24.7	87.3	87.3	5.8	5.8	9.7	8	-	-	816581	810712	-	-	-	-			
						1.0	0.1	5	30.0	30.0	7.9	7.9	24.7	24.7	87.2	87.2	5.8	5.8	9.7	9	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.5	0.0	78	29.7	29.7	8.0	8.0	26.0	26.0	85.4	85.4	5.6	5.6	15.6	23	-	-	-	-	-	-	-	-			
						3.5	0.0	79	29.7	29.7	8.0	8.0	26.0	26.0	85.4	85.4	5.6	5.6	15.6	23	-	-	-	-	-	-	-	-			
SR6	Sunny	Moderate	11:47	5.1	Surface	1.0	0.2	81	29.7	29.7	7.9	7.9	24.2	24.2	87.3	87.3	5.8	5.8	8.6	7	-	-	817899	814655	-	-	-	-			
						1.0	0.2	81	29.7	29.7	7.9	7.9	24.2	24.2	87.2	87.2	5.8	5.8	8.7	8	-	-	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.1	0.1	76	29.7	29.7	7.9	7.9	24.7	24.7	83.1	83.1	5.5	5.5	15.6	9	-	-	-	-	-	-	-				
						4.1	0.1	76	29.7	29.7	7.9	7.9	24.7	24.7	83.1	83.1	5.5	5.5	15.6	7	-	-	-	-	-	-	-				
SR7	Sunny	Moderate	10:58	16.1	Surface	1.0	0.4	40	29.6	29.6	7.8	7.8	27.9	27.9	81.2	81.2	5.3	5.3	5.5	10	-	-	823640	823738	-	-	-	-			
						1.0	0.4	43	29.6	29.6	7.8	7.8	27.9	27.9	81.2	81.2	5.3	5.3	5.												

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 October 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	18:13	8.6	Surface	1.0	0.9	209	29.8	8.0	8.0	25.3	25.4	85.9	85.9	5.7	5.7	10.4	10	91	94	815612	804233	<0.2	<0.2	1.0	1.0					
						1.0	1.0	212	29.8	29.8	8.0	8.0	25.4	25.4	85.9	85.9	5.7	5.7	10.5	11	91	94	<0.2	<0.2	1.0	1.0						
						4.3	0.8	214	29.8	29.8	8.0	8.0	27.7	27.7	86.0	86.0	5.6	5.6	14.6	9	94	93	<0.2	<0.2	1.0	1.0						
					Middle	4.3	0.8	229	29.8	29.8	8.0	8.0	27.7	27.7	86.0	86.0	5.6	5.6	14.7	10	93	94	<0.2	<0.2	1.1	1.1						
						7.6	0.5	210	29.7	29.7	8.0	8.0	28.5	28.5	87.4	87.4	5.7	5.7	28.6	10	96	96	<0.2	<0.2	1.0	1.0						
						7.6	0.6	215	29.7	29.7	8.0	8.0	28.5	28.5	87.5	87.5	5.7	5.7	28.6	11	96	96	<0.2	<0.2	1.1	1.1						
C2	Sunny	Rough	17:13	16.3	Surface	1.0	1.6	177	30.5	7.8	7.8	20.6	20.6	77.9	77.9	5.2	5.2	12.3	6	93	95	825691	806960	<0.2	<0.2	1.4	1.4					
						1.0	1.7	184	30.5	30.5	7.8	7.8	20.6	20.6	77.9	77.9	5.2	5.2	12.3	6	92	95	<0.2	<0.2	2.2	2.2						
						8.2	1.2	172	30.1	30.1	7.8	7.8	23.1	23.1	73.6	73.6	4.9	4.9	20.3	16	95	94	<0.2	<0.2	1.6	1.6						
					Middle	8.2	1.3	176	30.1	30.1	7.8	7.8	23.1	23.1	73.6	73.6	4.9	4.9	20.3	15	94	96	<0.2	<0.2	1.6	1.6						
						15.3	0.5	172	30.1	30.1	7.8	7.8	24.2	24.2	74.1	74.1	4.9	4.9	33.0	26	96	97	<0.2	<0.2	1.1	1.1						
						15.3	0.5	178	30.1	30.1	7.8	7.8	24.2	24.2	74.1	74.1	4.9	4.9	33.0	27	97	97	<0.2	<0.2	1.2	1.2						
C3	Cloudy	Moderate	19:18	12.6	Surface	1.0	0.5	295	29.9	7.9	7.9	25.8	25.8	75.4	75.4	5.0	5.0	8.7	4	94	94	822097	817793	<0.2	<0.2	0.7	0.7					
						1.0	0.5	313	29.9	29.9	7.9	7.9	25.8	25.8	75.4	75.4	5.0	5.0	8.7	6	94	96	<0.2	<0.2	0.9	0.9						
						6.3	0.4	267	29.7	29.7	7.9	7.9	27.3	27.3	73.4	73.4	4.8	4.8	13.6	6	96	96	<0.2	<0.2	0.7	0.7						
					Middle	6.3	0.4	268	29.7	29.7	7.9	7.9	27.3	27.3	73.4	73.4	4.8	4.8	13.6	7	96	98	<0.2	<0.2	0.5	0.5						
						11.6	0.2	297	29.7	29.7	7.9	7.9	27.3	27.3	77.0	77.0	5.0	5.0	19.6	17	98	99	<0.2	<0.2	0.6	0.6						
						11.6	0.2	300	29.7	29.7	7.9	7.9	27.3	27.3	77.0	77.0	5.0	5.0	19.6	18	99	99	<0.2	<0.2	0.5	0.5						
IM1	Fine	Moderate	17:54	7.2	Surface	1.0	1.0	181	29.8	8.0	8.0	28.0	28.0	88.7	88.7	5.8	5.8	10.8	11	91	93	818345	806475	<0.2	<0.2	0.8	0.8					
						1.0	1.1	182	29.8	29.8	8.0	8.0	28.0	28.0	88.7	88.7	5.8	5.8	10.8	12	91	94	<0.2	<0.2	0.5	0.5						
						3.6	0.9	181	29.8	29.8	8.0	8.0	28.5	28.5	86.7	86.7	5.6	5.6	14.5	10	94	94	<0.2	<0.2	0.8	0.8						
					Middle	3.6	1.0	190	29.8	29.8	8.0	8.0	28.5	28.5	86.7	86.7	5.6	5.6	14.6	11	94	96	<0.2	<0.2	0.8	0.8						
						6.2	0.5	190	29.8	29.8	8.0	8.0	28.5	28.5	87.2	87.2	5.7	5.7	23.1	11	96	95	<0.2	<0.2	0.6	0.6						
						6.2	0.6	205	29.8	29.8	8.0	8.0	28.5	28.5	87.3	87.3	5.7	5.7	23.0	12	95	95	<0.2	<0.2	0.7	0.7						
IM2	Fine	Moderate	17:48	8.0	Surface	1.0	1.2	215	29.8	7.9	7.9	25.4	25.4	85.3	85.3	5.6	5.6	14.0	14	91	94	818852	806182	<0.2	<0.2	1.4	1.4					
						1.0	1.2	234	29.8	29.8	7.9	7.9	25.4	25.4	85.3	85.3	5.6	5.6	14.3	13	91	94	<0.2	<0.2	1.3	1.3						
						4.0	1.2	218	29.8	29.8	8.0	8.0	26.6	26.6	85.3	85.3	5.6	5.6	18.7	14	94	94	<0.2	<0.2	1.1	1.1						
					Middle	4.0	1.2	235	29.8	29.8	8.0	8.0	26.6	26.6	85.4	85.4	5.6	5.6	18.8	13	94	96	<0.2	<0.2	1.2	1.2						
						7.0	0.9	213	29.7	29.7	8.0	8.0	28.3	28.3	85.3	85.3	5.6	5.6	28.7	16	96	96	<0.2	<0.2	1.3	1.3						
						7.0	1.0	218	29.7	29.7	8.0	8.0	28.3	28.3	85.4	85.4	5.6	5.6	28.7	15	96	96	<0.2	<0.2	1.1	1.1						
IM3	Fine	Moderate	17:41	8.2	Surface	1.0	1.1	211	30.0	7.9	7.9	23.1	23.1	83.1	83.1	5.5	5.5	13.6	16	91	93	819429	806027	<0.2	<0.2	1.6	1.6					
						1.0	1.2	217	30.0	30.0	7.9	7.9	23.1	23.1	83.1	83.1	5.5	5.5	13.7	18	91	93	<0.2	<0.2	1.4	1.4						
						4.1	1.1	210	29.9	29.9	7.9	7.9	24.8	24.8	84.0	84.0	5.6	5.6	16.2	17	91	93	<0.2	<0.2	1.5	1.5						
					Middle	4.1	1.1	210	29.9	29.9	7.9	7.9	24.8	24.8	84.0	84.0	5.6	5.6	16.3	16	93	96	<0.2	<0.2	1.7	1.7						
						7.2	0.8	215	29.8	29.8	8.0	8.0	27.3	27.3	85.6	85.6	5.6	5.6	25.1	16	96	95	<0.2	<0.2	1.5	1.5						
						7.2	0.9	220	29.8	29.8	8.0	8.0	27.3	27.3	85.6	85.6	5.6	5.6	25.2	16	95	95	<0.2	<0.2	1.2	1.2						
IM4	Fine	Moderate	17:34	7.5	Surface	1.0	1.1	207	30.0	7.9	7.9	23.0	23.0	82.7	82.7	5.5	5.5	12.4	17	91	94	819571	805033	<0.2	<0.2	1.2	1.2					
						1.0	1.2	211	30.0	30.0	7.9	7.9	23.0	23.0	82.7	82.7	5.5	5.5	12.3	16	91	94	<0.2	<0.2	1.3	1.3						
						3.8	1.1	199	30.0	30.0	7.9	7.9	23.1	23.1	82.3	82.3	5.5	5.5	18.4	15	94	94	<0.2	<0.2	1.5	1.5						
					Middle	3.8	1.1	217	30.0	30.0	7.9	7.9	23.1	23.1	82.3	82.3	5.5	5.5	18.4	15	94	96	<0.2	<0.2	1.6	1.6						
						6.5	1.0	189	29.9	29.9	7.9	7.9	23.9	23.9	83.2	83.2	5.5	5.5	28.8	16	96	95	<0.2	<0.2	1.4	1.4						
						6.5	1.0	201	29.9	29.9	7.9	7.9	23.9	23.9	83.3	83.3	5.5	5.5	28.5	15	95	95	<0.2	<0.2	1.2	1.2						
IM5	Fine	Moderate	17:24	6.6	Surface	1.0	0.9	228	30.0	7.8	7.8	22.9	22.9	79.9	79.9	5.3	5.3	18.8	18	91	94	820561	804941	<0.2	<0.2	1.5	1.5					
						1.0	0.9	233	30.0	30.0	7.8	7.8	22.9	22.9	79.9	79.9	5.3	5.3	18.9	19	91	94	<0.2	<0.2	1.6	1.6						
						3.3	1.0	238	30.0	30.0	7.8	7.8	23.0	23.0	80.4	80.4	5.4	5.4	22.3	20	94	93	<0.2	<0.2	1.7	1.7						
					Middle	3.3	1.1	254	30.0	30.0	7.8	7.8	23.0	23.0	80.4	80.4	5.4	5.4	22.4	17	93	96	<0.2	<0.2	1.5	1.5						
						5.6	0.9	248	30.0	30.0	7.8	7.8	22.9	22.9	83.5	83.5	5.6	5.6	22.9	17	96	96	<0.2	<0.2	1.6	1.6						
						5.6	0.9	269	30.0	30.0	7.8	7.8	22.9	22.9	83.6	83.6	5.6	5.6	22.7	18	96	96	<0.2	<0.2	1.6	1.6						
IM6	Fine	Moderate	17:18	6.5	Surface	1.0	0.5	228	30.0	7.8	7.8	22.9	22.9	77.5	77.5	5.2	5.2	12.4	15	92	94	821062	805830	<0.2	<0.2	1.6	1.6					
						1.0	0.6	233	29.9	30.0	7.8	7.8	22.9	22.9	77.5	77.5	5.2	5.2	12.4	16	91	93	<0.2	<0.2	1.8	1.8						
						3.3	0.7	227	29.9	29.9	7.9	7.9	23.4	23.4	77.6	77.6	5.2	5.2	18.6	14	93	94	<0.2	<0.2	2.2	2.2						
					Middle	3.3	0.8	227	29.9	29.9	7.9	7.9	23.4	23.4	77.6	77.6	5.2	5.2	18.6	15	94	96	<0.2	<0.2	2.0	2.0						
						5.5	0.5	235	29.9	29.9	7.9	7.9	23.4	23.4	78.7	78.7	5.2	5.2	29.2	14												

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

Water Quality Monitoring

Water Quality Monitoring Results on 05 October 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)		
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value
IM9	Cloudy	Rough	17:50	7.0	Surface	1.0	0.6	170	30.2	7.8	7.8	22.6	22.6	80.6	80.6	5.4	5.4	10.8	5.4	8	90	94	822105	808803	<0.2	<0.2	1.1	1.1			
						1.0	0.7	176	30.2	7.8	7.8	22.6	22.6	80.6	80.6	5.4	5.4	10.8	5.4	8	91	94	<0.2	<0.2	1.1	1.1					
					Middle	3.5	0.3	185	30.2	7.8	7.8	23.8	23.8	80.9	80.9	5.4	5.4	15.0	5.4	9	94	94	<0.2	<0.2	1.1	1.1					
						3.5	0.3	195	30.2	7.8	7.8	23.8	23.8	80.9	80.9	5.4	5.4	15.0	5.4	9	94	94	<0.2	<0.2	1.2	1.2					
					Bottom	6.0	0.2	185	30.1	7.9	7.9	24.2	24.2	86.0	86.0	5.7	5.7	14.3	5.7	19	96	96	<0.2	<0.2	1.1	1.1					
						6.0	0.2	200	30.1	7.9	7.9	24.2	24.2	86.0	86.0	5.7	5.7	14.3	5.7	21	96	96	<0.2	<0.2	0.9	0.9					
IM10	Cloudy	Rough	17:59	7.4	Surface	1.0	0.8	144	30.2	7.8	7.8	22.8	22.8	81.4	81.4	5.4	5.4	9.0	8	92	94	822247	809821	<0.2	<0.2	1.2	1.2				
						1.0	0.9	152	30.2	7.8	7.8	22.8	22.8	81.4	81.4	5.4	5.4	9.0	7	91	94	<0.2	<0.2	1.3	1.3						
					Middle	3.7	0.5	132	30.1	7.9	7.9	23.9	23.9	80.5	80.5	5.3	5.3	11.7	9	93	94	<0.2	<0.2	1.3	1.3						
						3.7	0.6	144	30.1	7.9	7.9	23.9	23.9	80.5	80.5	5.3	5.3	11.7	9	94	94	<0.2	<0.2	1.2	1.2						
					Bottom	6.4	0.4	105	30.1	7.9	7.9	24.4	24.4	83.4	83.4	5.5	5.5	27.8	16	96	96	<0.2	<0.2	1.1	1.1						
						6.4	0.4	109	30.1	7.9	7.9	24.4	24.4	83.4	83.4	5.5	5.5	27.8	16	96	96	<0.2	<0.2	1.0	1.0						
IM11	Cloudy	Moderate	18:14	8.1	Surface	1.0	0.5	137	30.1	7.9	7.9	23.9	23.9	84.6	84.6	5.6	5.6	9.1	6	93	94	821486	810558	<0.2	<0.2	1.4	1.4				
						1.0	0.6	145	30.1	7.9	7.9	23.9	23.9	84.6	84.6	5.6	5.6	9.1	8	94	95	<0.2	<0.2	1.4	1.4						
					Middle	4.1	0.3	103	30.2	7.9	7.9	24.2	24.2	84.6	84.6	5.6	5.6	16.8	7	95	96	<0.2	<0.2	1.5	1.5						
						4.1	0.3	108	30.2	7.9	7.9	24.2	24.2	84.6	84.6	5.6	5.6	16.8	8	96	97	<0.2	<0.2	1.4	1.4						
					Bottom	7.1	0.2	74	30.2	7.9	7.9	25.0	25.0	86.7	86.7	5.7	5.7	37.6	31	97	97	<0.2	<0.2	1.2	1.2						
						7.1	0.2	78	30.2	7.9	7.9	25.0	25.0	86.7	86.7	5.7	5.7	37.6	30	97	97	<0.2	<0.2	1.2	1.2						
IM12	Cloudy	Moderate	18:25	8.4	Surface	1.0	0.4	110	30.1	7.9	7.9	24.2	24.2	89.5	89.5	5.9	5.9	6.9	5	93	94	821153	811525	<0.2	<0.2	1.5	1.5				
						1.0	0.4	118	30.1	7.9	7.9	24.2	24.2	89.5	89.5	5.9	5.9	6.9	5	94	96	<0.2	<0.2	1.7	1.7						
					Middle	4.2	0.3	60	30.0	7.9	7.9	24.6	24.6	88.9	88.9	5.9	5.9	11.1	13	96	96	<0.2	<0.2	1.3	1.3						
						4.2	0.3	65	30.0	7.9	7.9	24.6	24.6	88.9	88.9	5.9	5.9	11.1	12	96	98	<0.2	<0.2	1.4	1.4						
					Bottom	7.4	0.2	349	30.1	7.9	7.9	25.7	25.7	84.8	84.8	5.6	5.6	36.0	38	98	99	<0.2	<0.2	1.4	1.4						
						7.4	0.2	321	30.1	7.9	7.9	25.7	25.7	84.8	84.8	5.6	5.6	36.0	40	99	99	<0.2	<0.2	1.3	1.3						
SR2	Cloudy	Moderate	18:52	4.6	Surface	1.0	0.2	63	30.0	7.9	7.9	24.9	24.9	84.4	84.4	5.6	5.6	16.8	18	93	18	94	821462	814179	<0.2	<0.2	1.0	1.0			
						1.0	0.2	66	30.0	7.9	7.9	24.9	24.9	84.4	84.4	5.6	5.6	16.8	18	94	97	<0.2	<0.2	1.4	1.4						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.2	68	29.9	7.9	7.9	25.1	25.1	85.8	85.8	5.7	5.7	25.5	19	97	97	<0.2	<0.2	1.1	1.1						
						3.6	0.2	72	29.9	7.9	7.9	25.1	25.1	85.8	85.8	5.7	5.7	25.5	18	97	97	<0.2	<0.2	1.4	1.4						
SR3	Sunny	Rough	17:36	8.6	Surface	1.0	1.1	186	30.4	7.8	7.8	21.6	21.6	77.9	77.9	5.2	5.2	14.4	8	-	-	-	822136	807589	-	-	-	-			
						1.0	1.2	193	30.4	7.8	7.8	21.6	21.6	77.9	77.9	5.2	5.2	14.4	6	-	-	-	-	-	-	-	-	-	-		
					Middle	4.3	0.7	204	30.2	7.8	7.8	23.3	23.3	75.8	75.8	5.0	5.0	22.0	11	-	-	-	-	-	-	-	-	-	-	-	
						4.3	0.7	221	30.2	7.8	7.8	23.3	23.3	75.8	75.8	5.0	5.0	22.0	11	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.6	0.5	236	30.1	7.8	7.8	23.6	23.6	76.6	76.6	5.1	5.1	27.0	29	-	-	-	-	-	-	-	-	-	-	-	
						7.6	0.5	245	30.1	7.8	7.8	23.6	23.6	76.6	76.6	5.1	5.1	27.0	28	-	-	-	-	-	-	-	-	-	-	-	
SR4A	Fine	Moderate	18:31	8.2	Surface	1.0	1.0	267	29.8	8.0	8.0	25.6	25.6	88.9	88.9	5.9	5.9	16.9	13	-	-	-	817197	807829	-	-	-	-			
						1.0	1.0	289	29.8	8.0	8.0	25.6	25.6	88.9	88.9	5.9	5.9	16.9	13	-	-	-	-	-	-	-	-	-			
					Middle	4.1	1.0	267	29.8	8.0	8.0	25.9	25.9	88.6	88.6	5.8	5.8	20.6	15	-	-	-	-	-	-	-	-	-	-		
						4.1	1.0	288	29.8	8.0	8.0	25.9	25.9	88.6	88.6	5.8	5.8	20.8	16	-	-	-	-	-	-	-	-	-	-		
					Bottom	7.2	0.9	268	29.9	8.0	8.0	26.2	26.2	88.7	88.7	5.8	5.8	28.3	15	-	-	-	-	-	-	-	-	-	-		
						7.2	0.9	278	29.9	8.0	8.0	26.2	26.2	88.8	88.8	5.8	5.8	28.4	14	-	-	-	-	-	-	-	-	-	-		
SR5A	Fine	Moderate	18:48	5.0	Surface	1.0	0.7	290	29.8	8.0	8.0	25.3	25.3	87.8	87.8	5.8	5.8	15.6	13	-	-	-	816593	810698	-	-	-	-			
						1.0	0.7	298	29.8	8.0	8.0	25.3	25.3	87.8	87.8	5.8	5.8	15.6	14	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	4.0	0.5	297	29.8	8.0	8.0	25.3	25.3	88.9	88.9	5.9	5.9	18.1	13	-	-	-	-	-	-	-	-	-			
						4.0	0.6	314	29.8	8.0	8.0	25.3	25.3	88.9	88.9	5.9	5.9	18.0	12	-	-	-	-	-	-	-	-	-			
SR6	Fine	Moderate	19:12	4.5	Surface	1.0	0.2	228	29.7	7.9	7.9	25.2	25.2	83.3	83.3	5.5	5.5	13.4	13	-	-	-	817905	814678	-	-	-	-			
						1.0	0.2	231	29.7	7.9	7.9	25.2	25.2	83.3	83.3	5.5	5.5	13.5	13	-	-	-	-	-	-	-	-				
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.5	0.2	250	29.7	7.9	7.9	25.7	25.7	77.6	77.6	5.1	5.1	14.7	12	-	-	-	-	-	-	-	-	-			
						3.5	0.2	267	29.7	7.9	7.9	25.7	25.7	77.6	77.6	5.1	5.1	14.6	12	-	-	-	-	-	-	-	-	-			
SR7	Cloudy	Moderate	19:53	16.5	Surface	1.0	0.2	210	29.7	7.9	7.9	27.3	27.3	79.9	79.9	5.2	5.2	9.6	4	-	-	-	823646	823736	-	-	-	-			
						1.0	0.2	218	29.7	7.9	7.9	27.3																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 October 17 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		
C1	Cloudy	moderate	13:14	9.0	Surface	1.0	0.9	215	29.7	8.0	8.0	28.2	28.2	92.0	92.0	6.0	5.9	6.3	11.0	7	12	91	94	815607	804239	<0.2	<0.2	0.6	0.4			
						1.0	1.0	227	29.7	8.0	8.0	28.2	28.2	91.9	92.0	6.0	5.9	6.3	7	91	94	91	94	91	94	<0.2	<0.2	0.6	0.4			
					Middle	4.5	1.0	224	29.4	29.4	8.0	8.0	28.9	28.9	88.4	88.4	88.4	88.4	5.8	5.8	8.5	11.0	9	12	94	94	815607	804239	<0.2	<0.2	0.5	0.4
						4.5	1.0	228	29.4	29.4	8.0	8.0	28.9	28.9	88.3	88.4	88.3	88.4	5.8	5.8	8.6	11.0	7	12	94	94	815607	804239	<0.2	<0.2	0.5	0.4
					Bottom	8.0	0.7	239	29.2	29.2	8.0	8.0	30.0	30.0	30.0	30.0	86.2	86.2	5.6	5.6	18.0	11.0	19	12	97	97	815607	804239	<0.2	<0.2	0.2	0.4
						8.0	0.7	251	29.2	29.2	8.0	8.0	30.0	30.0	30.0	30.0	86.2	86.2	5.6	5.6	18.0	11.0	20	12	97	97	815607	804239	<0.2	<0.2	0.2	0.4
C2	Fine	Moderate	12:10	11.9	Surface	1.0	1.4	182	30.1	7.8	7.8	23.3	23.3	83.9	83.9	5.6	5.6	10.1	17.5	8	10	94	96	825689	806949	<0.2	<0.2	1.6	1.6			
						1.0	1.4	196	30.1	30.1	7.8	7.8	23.3	23.3	83.9	83.9	5.6	5.6	10.3	17.5	9	10	93	96	825689	806949	<0.2	<0.2	1.7	1.6		
					Middle	6.0	0.8	193	30.0	30.0	7.9	7.9	24.0	24.0	82.2	82.2	82.2	82.2	5.5	5.5	18.9	17.5	9	10	96	96	825689	806949	<0.2	<0.2	1.6	1.6
						6.0	0.9	206	30.0	30.0	7.9	7.9	23.9	24.0	82.2	82.2	82.2	82.2	5.5	5.5	19.1	17.5	8	10	95	96	825689	806949	<0.2	<0.2	1.6	1.6
					Bottom	10.9	0.5	215	29.8	29.8	7.9	7.9	26.4	26.4	77.5	77.5	77.5	77.5	5.1	5.1	23.5	17.5	12	10	97	98	825689	806949	<0.2	<0.2	1.4	1.4
						10.9	0.6	218	29.8	29.8	7.9	7.9	26.3	26.4	77.5	77.5	77.5	77.5	5.1	5.1	23.0	17.5	11	10	98	98	825689	806949	<0.2	<0.2	1.4	1.4
C3	Fine	Moderate	13:51	12.4	Surface	1.0	0.3	102	30.0	7.9	7.9	26.4	26.4	81.7	81.7	5.3	5.1	12.2	18.3	13	19	92	93	822117	817806	<0.2	<0.2	0.7	0.7			
						1.0	0.4	104	30.0	30.0	7.9	7.9	26.4	26.4	81.7	81.7	5.3	5.1	12.2	18.3	15	19	91	94	822117	817806	<0.2	<0.2	0.9	0.7		
					Middle	6.2	0.2	63	29.7	29.7	7.9	7.9	27.5	27.5	75.8	75.8	75.8	75.8	5.0	5.0	15.6	18.3	18	19	94	95	822117	817806	<0.2	<0.2	0.8	0.7
						6.2	0.3	64	29.7	29.7	7.9	7.9	27.5	27.5	75.7	75.8	75.7	75.8	5.0	5.0	15.4	18.3	19	19	93	95	822117	817806	<0.2	<0.2	0.6	0.7
					Bottom	11.4	0.5	60	29.7	29.7	7.9	7.9	27.7	27.7	76.0	76.1	76.0	76.1	5.0	5.0	27.2	18.3	25	19	95	95	822117	817806	<0.2	<0.2	0.7	0.6
						11.4	0.5	62	29.7	29.7	7.9	7.9	27.7	27.7	76.1	76.1	76.1	76.1	5.0	5.0	27.3	18.3	24	19	95	95	822117	817806	<0.2	<0.2	0.6	0.6
IM1	Cloudy	moderate	12:57	8.0	Surface	1.0	1.1	176	29.5	29.5	8.0	8.0	28.4	28.5	89.6	89.6	5.8	5.8	10.8	15.3	12	15	94	96	818344	806444	<0.2	<0.2	0.4	0.5		
						1.0	1.2	190	29.5	29.5	8.0	8.0	28.5	28.5	89.5	89.6	5.8	5.8	10.9	15.3	13	15	94	96	818344	806444	<0.2	<0.2	0.5	0.5		
					Middle	4.0	0.6	171	29.3	29.3	8.0	8.0	29.4	29.4	87.4	87.5	87.4	87.5	5.7	5.7	13.8	15.3	15	15	96	96	818344	806444	<0.2	<0.2	0.6	0.5
						4.0	0.6	179	29.3	29.3	8.0	8.0	29.4	29.4	87.5	87.5	87.5	87.5	5.7	5.7	13.7	15.3	16	15	96	96	818344	806444	<0.2	<0.2	0.6	0.5
					Bottom	7.0	0.2	210	29.2	29.2	8.0	8.0	29.7	29.7	87.1	87.2	87.1	87.2	5.7	5.7	21.3	15.3	15	15	97	97	818344	806444	<0.2	<0.2	0.4	0.4
						7.0	0.2	230	29.2	29.2	8.0	8.0	29.7	29.7	87.2	87.2	87.2	87.2	5.7	5.7	21.1	15.3	16	15	97	97	818344	806444	<0.2	<0.2	0.4	0.4
IM2	Cloudy	moderate	12:52	9.0	Surface	1.0	1.2	210	29.5	29.5	8.0	8.0	28.4	28.4	90.8	90.8	5.9	5.9	9.2	12.7	12	17	93	95	818870	806199	<0.2	<0.2	0.4	0.4		
						1.0	1.3	230	29.5	29.5	8.0	8.0	28.4	28.4	90.8	90.8	5.9	5.9	9.2	12.7	13	17	94	95	818870	806199	<0.2	<0.2	0.5	0.4		
					Middle	4.5	1.2	213	29.5	29.5	8.0	8.0	28.7	28.7	90.2	90.2	90.2	90.2	5.9	5.9	9.3	12.7	12	17	95	95	818870	806199	<0.2	<0.2	0.6	0.5
						4.5	1.3	228	29.5	29.5	8.0	8.0	28.7	28.7	90.2	90.2	90.2	90.2	5.9	5.9	9.3	12.7	12	17	96	96	818870	806199	<0.2	<0.2	0.5	0.5
					Bottom	8.0	0.8	200	29.2	29.2	8.0	8.0	29.9	29.9	86.9	86.9	86.9	86.9	5.6	5.6	19.5	12.7	26	17	97	97	818870	806199	<0.2	<0.2	0.3	0.3
						8.0	0.8	212	29.2	29.2	8.0	8.0	29.9	29.9	86.9	86.9	86.9	86.9	5.6	5.6	19.6	12.7	26	17	97	97	818870	806199	<0.2	<0.2	0.3	0.3
IM3	Cloudy	moderate	12:43	9.1	Surface	1.0	1.0	204	29.6	29.6	8.0	8.0	28.5	28.5	92.0	92.0	6.0	6.0	8.4	12.8	8	9	91	92	819396	806025	<0.2	<0.2	0.5	0.5		
						1.0	1.0	206	29.6	29.6	8.0	8.0	28.5	28.5	92.0	92.0	6.0	6.0	8.3	12.8	8	9	92	94	819396	806025	<0.2	<0.2	0.5	0.5		
					Middle	4.6	1.0	210	29.6	29.6	8.0	8.0	28.6	28.6	90.8	90.8	90.8	90.8	5.9	5.9	8.9	12.8	11	9	94	94	819396	806025	<0.2	<0.2	0.6	0.5
						4.6	1.0	216	29.6	29.6	8.0	8.0	28.6	28.6	90.7	90.7	90.7	90.7	5.9	5.9	8.9	12.8	10	9	94	94	819396	806025	<0.2	<0.2	0.5	0.4
					Bottom	8.1	0.6	206	29.2	29.2	8.0	8.0	29.9	29.9	87.2	87.2	87.2	87.2	5.7	5.7	21.2	12.8	9	9	96	96	819396	806025	<0.2	<0.2	0.4	0.4
						8.1	0.7	209	29.2	29.2	8.0	8.0	29.9	29.9	87.2	87.2	87.2	87.2	5.7	5.7	21.2	12.8	9	9	96	96	819396	806025	<0.2	<0.2	0.4	0.4
IM4	Cloudy	moderate	12:35	8.3	Surface	1.0	0.6	193	29.8	29.8	8.0	8.0	28.7	28.7	90.6	90.6	5.9	5.8	10.6	16.5	10	11	94	94	819553	805050	<0.2	<0.2	0.4	0.4		
						1.0	0.6	211	29.8	29.8	8.0	8.0	28.7	28.7	90.6	90.6	5.9	5.8	10.6	16.5	10	11	94	94	819553	805050	<0.2	<0.2	0.4	0.4		
					Middle	4.2	0.6	200	29.4	29.4	8.0	8.0	29.4	29.4	87.6	87.6	87.6	87.6	5.7	5.7	14.2	16.5	11	11	96	96	819553	805050	<0.2	<0.2	0.3	0.4
						4.2	0.6	210	29.4	29.4	8.0	8.0	29.3	29.3	87.6	87.6	87.6	87.6	5.7	5.7	14.3	16.5	9	11	96	96	819553	805050	<0.2	<0.2	0.4	0.4
					Bottom	7.3	0.7	215	29.2	29.2	8.0	8.0	29.9	29.9	86.0	86.1	86.0	86.1	5.6	5.6	24.6	16.5	14	11	97	97	819553	805050	<0.2	<0.2	0.4	0.4
						7.3	0.8	215	29.2	29.2	8.0	8.0	29.9	29.9	86.2	86.2	86.2	86.2	5.6	5.6	24.4	16.5	14	11	97	97	819553	805050	<0.2	<0.2	0.4	0.4
IM5	Cloudy	moderate	12:24	7.6	Surface	1.0	1.3	201	29.8	29.8	8.0	8.0	27.8	27.8	91.0	91.0	5.9	5.8	14.8	17.7	18	21	94	95	820568	804919	<0.2	<0.2	0.6	0.6		
						1.0	1.3																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 October 17 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	12:42	7.9	Surface	1.0	0.9	155	30.2	7.9	7.9	24.7	24.7	87.2	87.2	5.7	5.8	10.1	19.0	11	13	94	95	822092	808816	<0.2	1.0	<0.2	1.0				
						1.0	0.9	156	30.2	7.9	7.9	24.7	24.7	87.2	87.2	5.7	5.8	10.1	19.0	9	13	93	95	<0.2	1.0	<0.2	1.1						
					Middle	4.0	0.6	155	29.8	8.0	8.0	27.7	27.7	88.9	88.9	5.8	5.8	19.0	19.0	12	17	95	95	<0.2	1.0	<0.2	1.0	<0.2	0.6	0.9			
						4.0	0.6	163	29.8	8.0	8.0	27.7	27.7	88.9	88.9	5.8	5.8	19.0	19.0	13	17	95	95	<0.2	1.0	<0.2	1.0	<0.2	0.7	0.7			
					Bottom	6.9	0.3	146	29.7	8.0	8.0	28.5	28.5	88.8	88.8	5.8	5.8	27.9	27.9	16	17	97	98	<0.2	1.0	<0.2	1.0	<0.2	0.6	0.6			
						6.9	0.3	150	29.7	8.0	8.0	28.5	28.5	88.8	88.8	5.8	5.8	27.6	27.6	16	17	97	98	<0.2	1.0	<0.2	1.0	<0.2	0.7	0.7			
IM10	Fine	Moderate	12:50	7.6	Surface	1.0	1.1	133	30.2	7.9	7.9	24.7	24.7	88.1	88.1	5.8	5.8	8.6	15.1	10	17	93	95	822238	809819	<0.2	1.4	<0.2	1.3				
						1.0	1.2	141	30.2	7.9	7.9	24.7	24.7	88.1	88.1	5.8	5.8	8.7	15.1	9	17	93	95	<0.2	1.0	<0.2	1.3						
					Middle	3.8	0.9	127	30.0	7.9	7.9	25.8	25.8	88.3	88.3	5.8	5.8	15.1	15.1	8	17	95	95	<0.2	1.0	<0.2	1.3	<0.2	1.4	1.1			
						3.8	1.0	131	30.0	7.9	7.9	25.8	25.8	88.3	88.3	5.8	5.8	15.4	15.4	8	17	95	95	<0.2	1.0	<0.2	1.4	<0.2	0.7	0.7			
					Bottom	6.6	0.5	107	29.7	8.0	8.0	28.0	28.0	89.1	89.1	5.8	5.8	21.4	21.4	33	33	98	98	<0.2	1.0	<0.2	0.7	<0.2	0.7	0.7			
						6.6	0.5	115	29.7	8.0	8.0	28.0	28.0	89.1	89.1	5.8	5.8	21.1	21.1	31	31	98	98	<0.2	1.0	<0.2	0.7	<0.2	0.7	0.7			
IM11	Fine	Moderate	13:01	8.4	Surface	1.0	0.8	122	30.0	8.0	8.0	25.7	25.7	87.1	87.1	5.7	5.7	12.9	18.8	16	17	94	96	821482	810539	<0.2	1.0	<0.2	0.9				
						1.0	0.9	131	30.0	8.0	8.0	25.7	25.7	87.1	87.1	5.7	5.7	12.9	18.8	15	17	93	96	<0.2	1.0	<0.2	1.0						
					Middle	4.2	0.6	111	29.7	8.0	8.0	26.6	26.6	85.7	85.7	5.6	5.6	17.6	17.6	14	17	96	96	<0.2	1.0	<0.2	1.0	<0.2	1.0	1.0			
						4.2	0.6	114	29.7	8.0	8.0	26.7	26.7	85.7	85.7	5.6	5.6	17.6	17.6	15	17	96	96	<0.2	1.0	<0.2	1.0	<0.2	0.9	0.9			
					Bottom	7.4	0.5	104	29.7	8.0	8.0	27.5	27.5	86.8	86.8	5.7	5.7	25.8	25.8	21	20	98	98	<0.2	1.0	<0.2	1.0	<0.2	1.0	1.0			
						7.4	0.5	110	29.7	8.0	8.0	27.5	27.5	86.8	86.8	5.7	5.7	25.8	25.8	20	20	98	98	<0.2	1.0	<0.2	1.0	<0.2	1.0	1.0			
IM12	Fine	Moderate	13:09	9.4	Surface	1.0	0.9	117	30.0	7.9	7.9	25.4	25.4	87.0	87.0	5.7	5.7	9.3	14.9	10	12	92	94	821144	811516	<0.2	0.9	<0.2	1.0				
						1.0	0.9	117	30.0	7.9	7.9	25.4	25.4	86.9	86.9	5.7	5.7	9.4	14.9	11	12	92	94	<0.2	1.0	<0.2	1.0						
					Middle	4.7	0.8	98	29.8	7.9	7.9	25.8	25.9	84.3	84.3	5.6	5.6	12.6	12.6	13	12	94	94	<0.2	1.0	<0.2	1.0	<0.2	1.0	1.0			
						4.7	0.8	105	29.8	7.9	7.9	25.9	25.9	84.3	84.3	5.6	5.6	12.7	12.7	12	12	94	94	<0.2	1.0	<0.2	1.0	<0.2	0.9	0.9			
					Bottom	8.4	0.5	88	29.7	8.0	8.0	26.6	26.6	86.1	86.2	5.7	5.7	22.7	22.7	12	12	96	96	<0.2	1.0	<0.2	1.0	<0.2	0.9	0.9			
						8.4	0.5	88	29.7	8.0	8.0	26.6	26.6	86.2	86.2	5.7	5.7	22.9	22.9	12	12	96	96	<0.2	1.0	<0.2	1.0	<0.2	0.9	0.9			
SR2	Fine	Moderate	13:32	5.1	Surface	1.0	0.7	71	30.1	7.9	7.9	25.0	25.0	85.8	85.8	5.6	5.7	9.6	14.0	13	13	93	93	821451	814160	<0.2	1.1	<0.2	1.0				
						1.0	0.7	75	30.1	7.9	7.9	24.9	25.0	85.8	85.8	5.7	5.7	9.5	14.0	13	13	93	93	<0.2	1.0	<0.2	1.0						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.1	0.5	44	29.8	7.9	7.9	26.1	26.1	85.0	85.0	5.6	5.6	18.5	18.5	13	13	95	94	<0.2	1.0	<0.2	1.0	<0.2	1.0	1.0			
						4.1	0.5	48	29.8	7.9	7.9	26.1	26.1	85.0	85.0	5.6	5.6	18.5	18.5	13	13	94	94	<0.2	1.0	<0.2	1.0	<0.2	1.0	1.0			
SR3	Fine	Moderate	12:29	9.6	Surface	1.0	0.7	203	30.2	7.9	7.9	23.5	23.5	87.9	88.0	5.7	5.7	9.6	19.8	6	10	-	-	822163	807560	-	-	-	-				
						1.0	0.7	204	30.2	7.9	7.9	23.5	23.5	88.0	88.0	5.7	5.7	9.7	19.8	8	10	-	-	-	-	-	-	-	-				
					Middle	4.8	0.4	219	29.7	8.0	8.0	28.0	28.0	88.0	88.0	5.7	5.7	20.4	20.4	8	10	-	-	-	-	-	-	-	-	-	-		
						4.8	0.4	221	29.7	8.0	8.0	28.0	28.0	88.0	88.0	5.7	5.7	20.5	20.5	7	10	-	-	-	-	-	-	-	-	-			
					Bottom	8.6	0.2	307	29.6	8.0	8.0	28.0	28.0	86.2	86.2	5.7	5.7	29.6	29.6	16	16	-	-	-	-	-	-	-	-	-	-		
						8.6	0.2	329	29.6	8.0	8.0	28.0	28.0	86.2	86.2	5.7	5.7	29.0	29.0	14	14	-	-	-	-	-	-	-	-	-	-		
SR4A	Sunny	moderate	13:35	8.6	Surface	1.0	0.1	206	29.5	8.0	8.0	28.4	28.4	88.1	88.1	5.8	5.8	12.9	19.3	10	16	-	-	817206	807809	-	-	-	-				
						1.0	0.1	211	29.5	8.0	8.0	28.4	28.4	88.1	88.1	5.8	5.8	13.0	19.3	9	16	-	-	-	-	-	-	-					
					Middle	4.3	0.1	255	29.4	8.0	8.0	28.9	28.9	86.9	86.9	5.7	5.7	21.3	21.3	12	16	-	-	-	-	-	-	-	-				
						4.3	0.1	277	29.4	8.0	8.0	28.9	28.9	86.9	86.9	5.7	5.7	21.4	21.4	11	16	-	-	-	-	-	-	-	-				
					Bottom	7.6	0.1	215	29.3	8.0	8.0	29.1	29.1	86.0	86.0	5.6	5.6	23.6	23.6	27	25	-	-	-	-	-	-	-	-				
						7.6	0.1	226	29.3	8.0	8.0	29.1	29.1	86.0	86.0	5.6	5.6	23.6	23.6	25	25	-	-	-	-	-	-	-	-				
SR5A	Sunny	moderate	13:53	5.5	Surface	1.0	0.1	31	29.8	7.9	7.9	26.3	26.3	90.4	90.4	5.9	5.9	10.6	13.2	10	11	-	-	816609	810709	-	-	-	-				
						1.0	0.1	32	29.8	7.9	7.9	26.3	26.3	90.4	90.4	5.9	5.9	10.7	13.2	9	11	-	-	-	-	-	-						
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	4.5	0.1	283	29.6	8.0	8.0	27.3	27.3	90.1	90.2	5.9	5.9	15.8	15.8	12	11	-	-	-	-	-	-	-	-				
						4.5	0.1	307	29.6	8.0	8.0	27.3	27.3	90.3	90.2	5.9	5.9	15.5	15.5	13	11	-	-	-	-	-	-	-					
SR6	Sunny	moderate	14:20	4.2	Surface	1.0	0.2	97	29.8	7.9	7.9	25.9	25.9	86.9	86.9	5.7	5.7	10.8	15.9	8	10	-	-	817897	814671	-	-	-	-				
						1.0	0.2	97	29.8	7.9	7.9	25.9	25.9	86.8	86.9	5.7	5.7	11.3	15.9	7	10	-	-	-	-	-	-						
					Middle	-	-	-	-																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 October 17 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	Value	DA	Value	DA
C1	Cloudy	Rough	07:47	8.3	Surface	1.0	0.8	28	29.3	8.0	8.0	27.7	27.7	86.9	86.9	5.7	5.7	13.6	13	89	89	94	815602	804236	<0.2	<0.2	0.5	0.5								
						1.0	0.8	29	29.3	29.3	8.0	8.0	27.7	27.7	86.9	86.9	5.7	5.7	13.8	14	90	90	94	<0.2	<0.2	0.5	0.5									
						4.2	0.6	26	29.3	29.3	8.0	8.0	27.8	27.8	86.9	86.9	5.7	5.7	18.3	15	94	94	94	<0.2	<0.2	0.6	0.6									
					Middle	4.2	0.6	27	29.3	29.3	8.0	8.0	27.8	27.8	86.8	86.9	5.7	5.7	18.2	15	94	94	94	<0.2	<0.2	0.6	0.6									
						7.3	0.4	29	29.3	29.3	8.0	8.0	28.6	28.6	86.5	86.5	5.7	5.7	17.5	16	97	97	97	<0.2	<0.2	0.6	0.6									
						7.3	0.4	29	29.3	29.3	8.0	8.0	28.6	28.6	86.6	86.6	5.7	5.7	17.5	17	97	97	97	<0.2	<0.2	0.6	0.6									
C2	Fine	Moderate	08:17	12.3	Surface	1.0	1.9	13	29.9	29.9	7.7	7.7	21.9	21.9	77.8	77.8	5.2	5.2	9.3	8	94	825681	806964	<0.2	<0.2	1.7	1.7									
						1.0	2.0	13	29.9	29.9	7.7	7.7	21.9	21.9	77.7	77.8	5.2	5.2	9.4	9	95	95	97	<0.2	<0.2	1.6	1.6									
						6.2	1.5	11	30.1	30.1	7.8	7.8	24.1	24.1	73.8	73.8	4.9	4.9	14.1	9	96	96	96	<0.2	<0.2	1.6	1.6									
					Middle	6.2	1.6	11	30.1	30.1	7.8	7.8	24.1	24.1	73.8	73.8	4.9	4.9	14.3	9	97	97	97	<0.2	<0.2	1.6	1.6									
						11.3	0.7	11	30.0	30.0	7.8	7.8	24.8	24.8	74.9	74.9	4.9	4.9	27.0	11	99	99	99	<0.2	<0.2	1.1	1.1									
						11.3	0.8	11	30.0	30.0	7.8	7.8	24.8	24.8	74.9	74.9	4.9	4.9	27.0	12	99	99	99	<0.2	<0.2	1.1	1.1									
C3	Fine	Moderate	06:36	11.9	Surface	1.0	0.5	35	29.8	29.8	7.9	7.9	26.2	26.2	81.4	81.4	5.4	5.4	9.9	11	92	822126	817783	<0.2	<0.2	1.1	1.1									
						1.0	0.5	35	29.8	29.8	7.9	7.9	26.2	26.2	81.3	81.4	5.4	5.4	10.1	10	93	93	96	<0.2	<0.2	1.2	1.2									
						6.0	0.0	29	29.8	29.8	7.9	7.9	26.4	26.4	78.8	78.8	5.2	5.2	16.5	11	96	96	96	<0.2	<0.2	1.3	1.3									
					Middle	6.0	0.0	31	29.8	29.8	7.9	7.9	26.4	26.4	78.8	78.8	5.2	5.2	16.7	11	97	97	97	<0.2	<0.2	1.3	1.3									
						10.9	0.2	21	29.7	29.7	7.9	7.9	27.7	27.7	76.0	76.1	5.0	5.0	24.2	15	98	98	98	<0.2	<0.2	0.8	0.8									
						10.9	0.2	22	29.7	29.7	7.9	7.9	27.7	27.7	76.1	76.1	5.0	5.0	24.2	15	98	98	98	<0.2	<0.2	1.0	1.0									
IM1	Cloudy	Rough	08:06	7.7	Surface	1.0	1.0	18	29.3	29.3	7.9	7.9	26.0	26.0	84.9	84.9	5.6	5.6	12.3	13	91	818332	806467	<0.2	<0.2	0.7	0.7									
						1.0	1.0	18	29.3	29.3	7.9	7.9	26.0	26.0	84.9	84.9	5.6	5.6	12.3	13	92	92	96	<0.2	<0.2	0.8	0.8									
						3.9	0.8	17	29.4	29.4	7.9	7.9	26.3	26.3	84.4	84.4	5.6	5.6	14.0	13	96	96	96	<0.2	<0.2	0.9	0.9									
					Middle	3.9	0.8	17	29.4	29.4	7.9	7.9	26.3	26.3	84.4	84.4	5.6	5.6	14.0	12	96	96	96	<0.2	<0.2	0.9	0.9									
						6.7	0.6	19	29.4	29.4	8.0	8.0	28.1	28.1	84.7	84.7	5.6	5.6	15.9	15	97	97	97	<0.2	<0.2	0.9	0.9									
						6.7	0.7	19	29.3	29.4	8.0	8.0	28.0	28.1	84.7	84.7	5.6	5.6	15.9	15	97	97	97	<0.2	<0.2	0.7	0.7									
IM2	Cloudy	Rough	08:14	8.7	Surface	1.0	0.9	24	29.4	29.4	7.9	7.9	25.2	25.2	83.8	83.9	5.6	5.6	12.1	13	94	818838	806173	<0.2	<0.2	1.1	1.1									
						1.0	0.9	24	29.4	29.4	7.9	7.9	25.2	25.2	83.9	83.9	5.6	5.6	12.2	14	94	94	96	<0.2	<0.2	1.0	1.0									
						4.4	0.9	23	29.4	29.4	7.9	7.9	25.8	25.8	84.3	84.3	5.6	5.6	13.6	13	96	96	96	<0.2	<0.2	0.8	0.8									
					Middle	4.4	0.9	23	29.4	29.4	7.9	7.9	25.8	25.8	84.3	84.3	5.6	5.6	13.7	13	96	96	96	<0.2	<0.2	0.9	0.9									
						7.7	0.8	25	29.4	29.4	7.9	7.9	26.3	26.3	84.4	84.4	5.6	5.6	16.0	16	99	99	99	<0.2	<0.2	1.0	1.0									
						7.7	0.8	26	29.4	29.4	7.9	7.9	26.3	26.3	84.4	84.4	5.6	5.6	16.2	16	99	99	99	<0.2	<0.2	0.9	0.9									
IM3	Cloudy	Rough	08:23	8.8	Surface	1.0	1.1	29	29.4	29.4	7.9	7.9	25.0	25.0	83.4	83.5	5.6	5.6	11.1	13	92	819403	806000	<0.2	<0.2	0.8	0.8									
						1.0	1.2	30	29.4	29.4	7.9	7.9	25.0	25.0	83.5	83.5	5.6	5.6	11.2	13	92	92	96	<0.2	<0.2	1.0	1.0									
						4.4	1.0	27	29.4	29.4	7.9	7.9	25.1	25.1	83.3	83.3	5.5	5.5	12.3	12	96	96	96	<0.2	<0.2	1.0	1.0									
					Middle	4.4	1.0	29	29.4	29.4	7.9	7.9	25.1	25.1	83.2	83.2	5.5	5.5	12.2	12	96	96	96	<0.2	<0.2	1.1	1.1									
						7.8	0.9	26	29.4	29.4	7.9	7.9	26.5	26.4	83.5	83.5	5.5	5.5	16.4	14	99	99	99	<0.2	<0.2	1.3	1.3									
						7.8	1.0	28	29.4	29.4	7.9	7.9	26.2	26.4	83.4	83.5	5.5	5.5	15.8	15	98	98	98	<0.2	<0.2	1.4	1.4									
IM4	Cloudy	Rough	08:33	8.3	Surface	1.0	0.8	12	29.4	29.4	7.9	7.9	26.0	26.0	86.0	86.0	5.7	5.7	13.1	11	94	819567	805040	<0.2	<0.2	1.0	1.0									
						1.0	0.9	13	29.4	29.4	7.9	7.9	26.0	26.0	86.0	86.0	5.7	5.7	13.3	10	94	94	96	<0.2	<0.2	0.9	0.9									
						4.2	0.8	14	29.4	29.4	7.9	7.9	26.6	26.6	85.7	85.7	5.7	5.7	22.2	16	96	96	96	<0.2	<0.2	1.0	1.0									
					Middle	4.2	0.8	14	29.4	29.4	7.9	7.9	26.6	26.6	85.7	85.7	5.7	5.7	21.8	14	96	96	96	<0.2	<0.2	1.0	1.0									
						7.3	0.8	15	29.4	29.4	7.9	7.9	27.9	27.9	86.9	86.9	5.7	5.7	22.5	16	98	98	98	<0.2	<0.2	0.7	0.7									
						7.3	0.8	16	29.4	29.4	7.9	7.9	27.9	27.9	87.0	87.0	5.7	5.7	22.7	16	98	98	98	<0.2	<0.2	0.8	0.8									
IM5	Cloudy	Rough	08:43	8.0	Surface	1.0	1.0	25	29.1	29.1	7.9	7.9	24.9	24.9	90.8	90.8	6.1	6.1	15.3	14	93	820553	804925	<0.2	<0.2	0.8	0.8									
						1.0	1.0	27	29.1	29.1	7.9	7.9	24.9	24.9	90.8	90.8	6.1	6.1	15.3	15	94	94	96	<0.2	<0.2	0.9	0.9									
						4.0	0.9	30	29.3	29.3	7.9	7.9	25.5	25.5	89.9	89.9	6.0	6.0	19.3	15	96	96	96	<0.2	<0.2	0.8	0.8									
					Middle	4.0	0.9	31	29.3	29.3	7.9	7.9	25.5	25.5	89.9	89.9	6.0	6.0	19.3	16	96	96	96	<0.2	<0.2	1.0	1.0									
						7.0	0.8	30	29.5	29.5	7.9	7.9	26.1	26.1	83.9	83.9	5.6	5.6	20.6	15	98	98	98	<0.2	<0.2	1.0	1.0									
						7.0	0.9	31	29.5	29.5	7.9	7.9	26.1	26.1	84.0	84.0	5.6	5.6	20.4	16	98	98	98	<0.2	<0.2	0.7	0.7									
IM6	Cloudy	Rough	08:52	7.3	Surface	1.0	0.9	24	29.6	29.6	7.9	7.9	23.3	23.3	81.4	81.5	5.5	5.5	10.0	10	94	821057	805819	<0.2	<0.2	1.5	1.5									
						1.0	1.0	25	29.6	29.6	7.9	7.9	23.3	23.3	81.5	81.5	5.5	5.5	10.2	10	94	94	96	<0.2	<0.2	1.4	1.4									
						3.7	0.8	24	29.5	29.5	7.9	7.9	25.5	25.5	83.7	83.8	5.6	5.6	14.9	10	96	96	96	<0.2	<0.2	1.5	1.5									

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

Water Quality Monitoring

Water Quality Monitoring Results on 07 October 17 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	Value	DA	Value	DA
IM9	Fine	Moderate	07:45	7.4	Surface	1.0	1.2	299	29.8	7.8	7.8	23.1	23.1	78.7	78.7	5.3	9.7	5.3	9.7	9	94	9	94	822105	808818	<0.2	1.3	<0.2	1.3							
						1.0	1.2	302	29.8	7.8	7.8	23.1	23.1	78.7	78.7	5.3	9.7	5.3	9.7	10	94	10	94			<0.2	1.4									
					Middle	3.7	0.9	310	29.9	29.9	7.8	7.8	23.3	23.3	78.1	78.1	5.2	11.0	5.2	11.0	9	96	9			96	<0.2		1.2	<0.2	1.2					
						3.7	1.0	332	29.9	29.9	7.8	7.8	23.3	23.3	78.1	78.1	5.2	11.0	5.2	11.0	10	96	10			96	<0.2		1.3							
					Bottom	6.4	0.8	310	29.9	29.9	7.8	7.8	23.5	23.5	78.5	78.5	5.2	15.5	5.2	15.5	10	99	10			99	<0.2		1.0	<0.2	1.0					
						6.4	0.8	328	29.9	29.9	7.8	7.8	23.5	23.5	78.5	78.5	5.2	15.5	5.2	15.5	9	98	9			98	<0.2		1.3							
IM10	Fine	Moderate	07:37	6.7	Surface	1.0	1.0	285	29.8	29.8	7.8	7.8	23.9	23.9	81.2	81.2	5.4	10.5	5.4	10.5	8	94	8	94	822227	809846	<0.2	1.2	<0.2	1.2						
						1.0	1.1	295	29.8	29.8	7.8	7.8	23.9	23.9	81.2	81.2	5.4	10.5	5.4	10.5	10	94	10	94			<0.2	1.3								
					Middle	3.4	0.7	280	29.9	29.9	7.8	7.8	24.4	24.4	81.1	81.1	5.4	22.2	5.4	22.2	9	96	9	96			<0.2	1.2		<0.2	1.2					
						3.4	0.7	301	29.9	29.9	7.8	7.8	24.4	24.4	81.0	81.0	5.4	22.1	5.4	22.1	8	96	8	96			<0.2	1.0								
					Bottom	5.7	0.5	285	29.9	29.9	7.9	7.9	24.8	24.8	81.4	81.4	5.4	27.5	5.4	27.5	23	99	23	99			<0.2	1.0		<0.2	1.0					
						5.7	0.5	304	29.9	29.9	7.9	7.9	24.8	24.8	81.4	81.4	5.4	27.5	5.4	27.5	21	98	21	98			<0.2	1.1								
IM11	Fine	Moderate	07:25	8.3	Surface	1.0	0.8	279	29.8	29.8	7.8	7.8	24.1	24.1	82.3	82.3	5.5	10.5	5.5	10.5	8	94	8	94	821498	810550	<0.2	1.0	<0.2	1.0						
						1.0	0.8	285	29.8	29.8	7.8	7.8	24.1	24.1	82.3	82.3	5.5	10.6	5.5	10.6	6	94	6	94			<0.2	1.0								
					Middle	4.2	0.7	279	29.8	29.8	7.9	7.9	25.2	25.2	82.9	82.9	5.5	16.4	5.5	16.4	9	96	9	96			<0.2	1.2		<0.2	1.2					
						4.2	0.7	282	29.8	29.8	7.9	7.9	25.2	25.2	82.9	82.9	5.5	16.4	5.5	16.4	7	97	7	97			<0.2	0.9								
					Bottom	7.3	0.3	305	29.8	29.8	7.9	7.9	25.6	25.6	83.3	83.3	5.5	28.6	5.5	28.6	14	99	14	99			<0.2	1.0		<0.2	1.0					
						7.3	0.3	332	29.8	29.8	7.9	7.9	25.6	25.6	83.3	83.3	5.5	28.7	5.5	28.7	13	99	13	99			<0.2	1.1								
IM12	Fine	Moderate	07:18	7.1	Surface	1.0	0.8	322	29.8	29.8	7.8	7.8	24.4	24.4	82.8	82.8	5.5	9.0	5.5	9.0	6	92	6	92	821170	811518	<0.2	1.2	<0.2	1.2						
						1.0	0.8	326	29.8	29.8	7.8	7.8	24.4	24.4	82.8	82.8	5.5	9.0	5.5	9.0	5	92	5	92			<0.2	1.0								
					Middle	3.6	0.5	341	29.8	29.8	7.9	7.9	25.0	25.0	82.7	82.7	5.5	13.0	5.5	13.0	10	95	10	95			<0.2	1.1		<0.2	1.1					
						3.6	0.5	342	29.8	29.8	7.9	7.9	25.0	25.0	82.7	82.7	5.5	13.4	5.5	13.4	8	96	8	96			<0.2	1.2								
					Bottom	6.1	0.5	334	29.7	29.7	7.9	7.9	25.9	25.9	82.5	82.5	5.4	27.9	5.4	27.9	20	98	20	98			<0.2	1.0		<0.2	1.0					
						6.1	0.5	351	29.7	29.7	7.9	7.9	25.9	25.9	82.5	82.5	5.4	28.0	5.4	28.0	22	98	22	98			<0.2	1.0								
SR2	Fine	Moderate	06:56	4.4	Surface	1.0	0.4	279	29.8	29.8	7.9	7.9	25.2	25.2	83.1	83.1	5.5	14.8	5.5	14.8	9	94	9	94	821458	814169	<0.2	1.2	<0.2	1.2						
						1.0	0.5	300	29.8	29.8	7.9	7.9	25.2	25.2	83.1	83.1	5.5	15.0	5.5	15.0	8	94	8	94			<0.2	1.1								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	-
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	-
					Bottom	3.4	0.2	283	29.8	29.8	7.9	7.9	25.9	25.9	84.5	84.5	5.6	22.7	5.6	22.7	9	97	9	97			<0.2	1.1		<0.2	1.1					
						3.4	0.2	290	29.8	29.8	7.9	7.9	25.9	25.9	84.5	84.5	5.6	22.7	5.6	22.7	9	96	9	96			<0.2	1.2								
SR3	Fine	Moderate	07:58	9.0	Surface	1.0	1.9	16	29.8	29.8	7.8	7.8	22.4	22.4	78.6	78.6	5.3	8.7	5.3	8.7	8	-	8	-	822133	807562	-	-	-	-						
						1.0	1.9	16	29.8	29.8	7.8	7.8	22.4	22.4	78.6	78.6	5.3	8.7	5.3	8.7	8	-	8	-			-	-								
					Middle	4.5	1.3	17	29.9	29.9	7.8	7.8	22.7	22.7	76.9	76.9	5.2	14.2	5.2	14.2	10	-	10	-			-	-								
						4.5	1.3	17	29.9	29.9	7.8	7.8	22.7	22.7	76.9	76.9	5.1	14.3	5.1	14.3	10	-	10	-			-	-								
					Bottom	8.0	0.8	18	29.9	29.9	7.8	7.8	23.2	23.2	77.0	77.0	5.1	21.8	5.1	21.8	15	-	15	-			-	-								
						8.0	0.8	18	29.9	29.9	7.8	7.8	23.2	23.2	77.0	77.0	5.1	21.8	5.1	21.8	13	-	13	-			-	-								
SR4A	Cloudy	Moderate	07:25	8.3	Surface	1.0	1.0	284	29.3	29.3	7.9	7.9	26.4	26.4	83.3	83.3	5.5	17.4	5.5	17.4	16	-	16	-	817186	807798	-	-	-	-						
						1.0	1.1	290	29.3	29.3	7.9	7.9	26.4	26.4	83.2	83.2	5.5	17.4	5.5	17.4	15	-	15	-			-	-								
					Middle	4.2	1.0	282	29.3	29.3	7.9	7.9	26.5	26.5	83.0	83.1	5.5	20.9	5.5	20.9	20	-	20	-			-	-								
						4.2	1.0	287	29.3	29.3	7.9	7.9	26.5	26.5	83.1	83.1	5.5	20.7	5.5	20.7	19	-	19	-			-	-								
					Bottom	7.3	0.7	284	29.3	29.3	7.9	7.9	26.6	26.6	83.4	83.4	5.5	23.5	5.5	23.5	19	-	19	-			-	-								
						7.3	0.8	302	29.3	29.3	7.9	7.9	26.6	26.6	83.4	83.4	5.5	23.6	5.5	23.6	18	-	18	-			-	-								
SR5A	Cloudy	Moderate	07:10	3.2	Surface	1.0	0.6	322	29.3	29.3	7.9	7.9	26.0	26.0	82.3	82.3	5.5	18.3	5.5	18.3	20	-	20	-	816609	810684	-	-	-	-						
						1.0	0.6	344	29.3	29.3	7.9	7.9	26.0	26.0	82.3	82.3	5.5	18.4	5.5	18.4	19	-	19	-			-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
					Bottom	2.2	0.3	319	29.3	29.3	7.9	7.9	26.0	26.0	82.1	82.2	5.5	20.2	5.5	20.2	18	-	18	-			-	-								
						2.2	0.3	326	29.3	29.3	7.9	7.9	26.0	26.0	82.3	82.2	5.5	20.0	5.5	20.0	18	-	18	-			-	-								
SR6	Cloudy	Moderate	06:46	4.0	Surface	1.0	0.1	253	29.2	29.2	7.8	7.8	25.1	25.1	78.1	78.1	5.2	13.5	5.2	13.5	12	-	12	-	817916	814670	-	-	-	-						
						1.0	0.2	272	29.2	29.2	7.8	7.8	25.1	25.1	78.1	78.1	5.2	13.6	5.2	13.6	14	-	14	-			-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
					Bottom	3.0	0.1	251	29.2	29.2	7.8	7.8</																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 October 17 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	Fine	Moderate	15:21	8.9	Surface	1.0	0.3	221	29.3	7.9	7.9	28.5	28.5	93.3	93.3	6.1	6.0	6.2	9.0	5	5	94	96	815613	804235	<0.2	<0.2	0.4	0.4							
						1.0	0.4	223	29.3	29.3	7.9	7.9	28.5	28.5	93.3	93.3	6.1	6.0	6.2	9.0	5	5	95	96	<0.2	<0.2	0.4	0.4								
					Middle	4.5	0.2	235	29.1	29.1	7.9	7.9	28.9	28.9	89.7	89.7	5.9	5.9	8.8	11.9	3	3	96	96	<0.2	<0.2	0.4	0.4								
						4.5	0.2	252	29.1	29.1	7.9	7.9	28.9	28.9	89.6	89.6	5.9	5.9	8.9	11.9	5	5	96	96	<0.2	<0.2	0.4	0.4								
					Bottom	7.9	0.2	224	28.9	28.9	7.9	7.9	30.0	30.0	88.3	88.3	5.8	5.8	11.9	12.0	3	3	98	98	<0.2	<0.2	0.3	0.3								
						7.9	0.2	231	28.9	28.9	7.9	7.9	30.0	30.0	88.3	88.3	5.8	5.8	12.0	12.0	5	5	98	98	<0.2	<0.2	0.3	0.3								
C2	Sunny	Rough	14:32	11.8	Surface	1.0	0.1	54	30.1	7.8	7.8	23.2	23.2	86.3	86.3	5.7	5.6	11.3	27.8	6	6	92	94	825678	806934	<0.2	<0.2	1.7	1.3							
						1.0	0.1	56	30.1	29.6	7.9	7.9	23.2	23.2	86.3	86.3	5.7	5.6	11.3	27.8	6	6	91	93	<0.2	<0.2	1.6	1.4								
					Middle	5.9	0.1	257	29.6	29.6	7.9	7.9	26.8	26.8	81.9	82.0	5.4	5.4	28.5	28.5	7	7	93	94	<0.2	<0.2	1.3	0.9								
						5.9	0.1	265	29.6	29.6	7.9	7.9	26.8	26.8	82.0	82.0	5.4	5.4	28.5	28.5	7	7	94	96	<0.2	<0.2	1.3	0.9								
					Bottom	10.8	0.1	217	29.6	29.6	7.9	7.9	27.1	27.1	86.1	86.1	5.7	5.7	43.6	43.6	46	49	96	96	<0.2	<0.2	0.9	0.8								
						10.8	0.1	237	29.6	29.6	7.9	7.9	27.1	27.1	86.1	86.1	5.7	5.7	43.6	43.6	49	49	96	96	<0.2	<0.2	0.8	0.5								
C3	Sunny	Moderate	16:26	12.4	Surface	1.0	0.2	79	29.8	7.9	7.9	27.4	27.4	86.1	86.1	5.6	5.5	4.1	6.5	4	4	94	96	822118	817787	<0.2	<0.2	0.5	0.5							
						1.0	0.2	84	29.8	29.8	7.9	7.9	27.4	27.4	86.1	86.1	5.6	5.5	4.1	6.5	6	6	93	96	<0.2	<0.2	0.6	0.6								
					Middle	6.2	0.2	79	29.6	29.6	7.9	7.9	27.6	27.6	82.8	82.8	5.4	5.4	7.1	7.1	4	4	96	97	<0.2	<0.2	0.5	0.5								
						6.2	0.2	80	29.6	29.6	7.9	7.9	27.6	27.6	82.8	82.8	5.4	5.4	7.1	7.1	4	4	97	98	<0.2	<0.2	0.6	0.5								
					Bottom	11.4	0.2	93	29.6	29.6	7.9	7.9	27.9	27.9	86.0	86.0	5.6	5.6	8.4	8.4	10	10	98	99	<0.2	<0.2	0.5	0.4								
						11.4	0.2	99	29.6	29.6	7.9	7.9	27.9	27.9	86.0	86.0	5.6	5.6	8.4	8.4	10	10	98	99	<0.2	<0.2	0.5	0.4								
IM1	Fine	Moderate	15:09	7.9	Surface	1.0	0.2	234	29.2	7.9	7.9	28.0	28.0	90.3	90.3	5.9	5.9	11.3	15.9	10	10	91	94	818362	806465	<0.2	<0.2	0.5	0.5							
						1.0	0.3	245	29.2	29.2	7.9	7.9	28.0	28.0	90.3	90.3	5.9	5.9	11.3	15.9	10	10	91	94	<0.2	<0.2	0.5	0.5								
					Middle	4.0	0.1	166	29.1	29.1	7.9	7.9	28.4	28.4	89.4	89.4	5.9	5.9	13.1	13.1	9	9	94	94	<0.2	<0.2	0.4	0.4								
						4.0	0.1	176	29.1	29.1	7.9	7.9	28.4	28.4	89.3	89.3	5.9	5.9	13.2	13.2	9	9	94	96	<0.2	<0.2	0.5	0.4								
					Bottom	6.9	0.1	158	28.9	28.9	7.9	7.9	29.6	29.6	88.1	88.2	5.8	5.8	23.1	23.1	9	9	96	96	<0.2	<0.2	0.4	0.4								
						6.9	0.1	172	28.9	28.9	7.9	7.9	29.6	29.6	88.2	88.2	5.8	5.8	23.1	23.1	9	9	96	96	<0.2	<0.2	0.4	0.4								
IM2	Fine	Moderate	15:03	8.7	Surface	1.0	0.1	251	29.2	7.9	7.9	28.0	28.0	91.4	91.4	6.0	6.0	9.6	15.8	8	8	92	94	818860	806185	<0.2	<0.2	0.6	0.6							
						1.0	0.1	269	29.2	29.2	7.9	7.9	28.0	28.0	91.4	91.4	6.0	6.0	9.7	15.8	8	8	92	94	<0.2	<0.2	0.6	0.6								
					Middle	4.4	0.0	33	29.2	29.2	7.9	7.9	28.4	28.4	90.2	90.2	5.9	5.9	12.8	12.8	8	8	94	94	<0.2	<0.2	0.4	0.5								
						4.4	0.0	33	29.2	29.2	7.9	7.9	28.4	28.4	90.1	90.2	5.9	5.9	13.0	13.0	8	8	94	94	<0.2	<0.2	0.5	0.5								
					Bottom	7.7	0.1	95	28.9	28.9	7.9	7.9	29.6	29.6	86.9	86.9	5.7	5.7	24.7	24.7	8	8	96	96	<0.2	<0.2	0.6	0.6								
						7.7	0.1	97	28.9	28.9	7.9	7.9	29.6	29.6	86.9	86.9	5.7	5.7	25.0	25.0	8	8	97	97	<0.2	<0.2	0.5	0.5								
IM3	Fine	Moderate	14:55	9.1	Surface	1.0	0.2	284	29.3	7.9	7.9	28.1	28.1	92.6	92.6	6.1	6.1	7.5	12.5	7	7	91	94	819428	806012	<0.2	<0.2	0.5	0.4							
						1.0	0.2	289	29.3	29.3	7.9	7.9	28.1	28.1	92.6	92.6	6.1	6.1	7.6	12.5	8	8	91	94	<0.2	<0.2	0.6	0.6								
					Middle	4.6	0.1	17	29.2	29.2	7.9	7.9	28.5	28.5	90.8	90.8	6.0	6.0	11.7	11.7	6	6	94	94	<0.2	<0.2	0.3	0.3								
						4.6	0.1	18	29.2	29.2	7.9	7.9	28.5	28.5	90.8	90.8	6.0	6.0	11.8	11.8	7	7	94	94	<0.2	<0.2	0.4	0.4								
					Bottom	8.1	0.3	73	28.9	28.9	7.9	7.9	29.5	29.5	86.7	86.7	5.7	5.7	18.0	18.0	12	12	96	97	<0.2	<0.2	0.3	0.3								
						8.1	0.3	73	28.9	28.9	7.9	7.9	29.5	29.5	86.7	86.7	5.7	5.7	18.3	18.3	13	13	97	97	<0.2	<0.2	0.4	0.4								
IM4	Fine	Moderate	14:47	8.5	Surface	1.0	0.2	300	29.3	7.9	7.9	28.4	28.4	92.5	92.5	6.1	6.0	7.8	14.2	6	6	92	94	819562	805028	<0.2	<0.2	0.5	0.4							
						1.0	0.2	305	29.3	29.3	7.9	7.9	28.4	28.4	92.4	92.4	6.1	6.0	7.8	14.2	7	7	91	94	<0.2	<0.2	0.3	0.3								
					Middle	4.3	0.1	21	29.2	29.2	7.9	7.9	28.6	28.6	90.8	90.8	5.9	5.9	11.3	11.3	5	5	94	94	<0.2	<0.2	0.5	0.5								
						4.3	0.1	21	29.2	29.2	7.9	7.9	28.6	28.6	90.8	90.8	5.9	5.9	11.5	11.5	5	5	94	94	<0.2	<0.2	0.4	0.4								
					Bottom	7.5	0.1	35	28.8	28.8	7.9	7.9	29.6	29.6	87.0	87.0	5.7	5.7	23.4	23.4	15	15	96	96	<0.2	<0.2	0.3	0.3								
						7.5	0.1	36	28.8	28.8	7.9	7.9	29.6	29.6	87.0	87.0	5.7	5.7	23.4	23.4	14	14	97	97	<0.2	<0.2	0.2	0.2								
IM5	Fine	Moderate	14:42	7.5	Surface	1.0	0.3	325	29.3	7.9	7.9	28.3	28.3	92.9	92.9	6.1	6.0	8.4	13.2	8	8	93	96	820572	804913	<0.2	<0.2	0.3	0.5							
						1.0	0.3	335	29.3	29.3	7.9	7.9	28.3	28.3	92.8	92.8	6.1	6.0	8.5	13.2	7	7	94	96	<0.2	<0.2	0.4	0.4								
					Middle	3.8	0.3	306	29.2	29.2	7.9	7.9	28.4	28.4	90.7	90.7	5.9	5.9	11.3	11.3	7	7	96	96	<0.2	<0.2	0.4	0.4								
						3.8	0.3	316	29.2	29.2	7.9	7.9	28.4	28.4	90.7	90.7	5.9	5.9	11.4	11.4	8	8	96	96	<0.2	<0.2	0.4	0.4								
					Bottom	6.5	0.1	318	29.0	29.0	7.9	7.9	28.9	28.9	88.5	88.5	5.8	5.8	19.8	19.8	9	9	97	97	<0.2	<0.2	1.0	1.0								
						6.5	0.1	342	29.0	29.0	7.9	7.9	28.9	28.9	88.5	88.5	5.8	5.8	19.8	19.8	9	9	97	97	<0.2	<0.2	0.6	0.6								
IM6	Fine	Moderate	14:33	7.3	Surface	1.0	0.1	29	29.3	7.9	7.9	28.1	28.1	90.8	90.8	6.0	6.0																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 October 17 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	Sunny	Rough	15:09	7.6	Surface	1.0	0.1	94	29.8	29.8	7.9	7.9	25.9	25.9	91.2	91.2	6.0	6.0	10.9	9	92	92	95	822089	808819	<0.2	<0.2	1.1	0.8							
						1.0	0.1	94	29.8	29.8	7.9	7.9	25.9	25.9	91.2	91.2	6.0	6.0	10.9	9	93	93	95	822089	808819	<0.2	<0.2	0.8	0.8							
						3.8	0.3	82	29.6	29.6	7.9	7.9	27.3	27.3	90.1	90.1	5.9	5.9	16.2	8	95	95	95	822089	808819	<0.2	<0.2	0.8	0.8							
					Middle	3.8	0.3	85	29.6	29.6	7.9	7.9	27.3	27.3	90.1	90.1	5.9	5.9	16.2	8	94	94	96	96	96	822089	808819	<0.2	<0.2	0.6	0.6					
						6.6	0.3	71	29.5	29.5	7.9	7.9	27.6	27.6	91.0	91.0	6.0	6.0	25.1	19	96	96	97	97	97	822089	808819	<0.2	<0.2	0.8	0.8					
						6.6	0.3	77	29.5	29.5	7.9	7.9	27.6	27.6	91.0	91.0	6.0	6.0	25.1	17	97	97	97	97	97	822089	808819	<0.2	<0.2	0.5	0.5					
IM10	Sunny	Rough	15:22	7.2	Surface	1.0	0.2	102	29.8	29.8	7.9	7.9	26.0	26.0	90.5	90.5	6.0	6.0	9.2	8	94	94	96	822252	809826	<0.2	<0.2	0.7	0.7							
						1.0	0.3	102	29.8	29.8	7.9	7.9	26.0	26.0	90.5	90.5	6.0	6.0	9.2	8	93	93	96	822252	809826	<0.2	<0.2	0.7	0.7							
						3.6	0.2	109	29.7	29.7	7.9	7.9	25.9	25.9	90.2	90.2	5.9	5.9	12.3	9	97	97	97	822252	809826	<0.2	<0.2	0.7	0.7							
					Middle	3.6	0.2	114	29.7	29.7	7.9	7.9	25.9	25.9	90.2	90.2	5.9	5.9	12.3	10	96	96	98	98	98	822252	809826	<0.2	<0.2	0.7	0.7					
						6.2	0.2	62	29.5	29.5	7.9	7.9	27.4	27.4	90.9	90.9	6.0	6.0	23.8	10	98	98	99	99	99	822252	809826	<0.2	<0.2	0.7	0.7					
						6.2	0.3	63	29.5	29.5	7.9	7.9	27.4	27.4	90.9	90.9	6.0	6.0	23.8	10	99	99	99	99	99	822252	809826	<0.2	<0.2	0.8	0.8					
IM11	Sunny	Rough	15:33	7.9	Surface	1.0	0.2	105	29.8	29.8	7.9	7.9	25.2	25.2	89.0	89.0	5.9	5.9	10.3	8	93	93	96	821491	810553	<0.2	<0.2	0.9	0.9							
						1.0	0.2	110	29.8	29.8	7.9	7.9	25.2	25.2	89.0	89.0	5.9	5.9	10.3	9	94	94	96	821491	810553	<0.2	<0.2	0.9	0.9							
						4.0	0.3	126	29.6	29.6	7.9	7.9	26.4	26.4	88.0	88.0	5.8	5.8	13.3	8	96	96	96	821491	810553	<0.2	<0.2	1.0	1.0							
					Middle	4.0	0.3	131	29.6	29.6	7.9	7.9	26.4	26.4	88.0	88.0	5.8	5.8	13.3	9	96	96	99	99	99	821491	810553	<0.2	<0.2	0.9	0.9					
						6.9	0.3	135	29.4	29.4	7.9	7.9	27.2	27.2	90.1	90.1	5.9	5.9	23.3	7	99	99	99	99	99	821491	810553	<0.2	<0.2	0.6	0.6					
						6.9	0.3	139	29.4	29.4	7.9	7.9	27.2	27.2	90.1	90.1	5.9	5.9	23.3	8	98	98	98	98	98	821491	810553	<0.2	<0.2	0.7	0.7					
IM12	Sunny	Rough	15:42	9.0	Surface	1.0	0.3	94	29.9	29.9	7.9	7.9	25.0	25.0	89.6	89.6	5.9	5.9	8.7	6	94	94	96	821175	811512	<0.2	<0.2	1.0	0.9							
						1.0	0.3	95	29.9	29.9	7.9	7.9	25.0	25.0	89.6	89.6	5.9	5.9	8.7	7	93	93	96	821175	811512	<0.2	<0.2	0.9	0.9							
						4.5	0.4	104	29.6	29.6	7.9	7.9	26.0	26.0	88.3	88.3	5.8	5.8	8.0	7	96	96	96	821175	811512	<0.2	<0.2	0.9	0.9							
					Middle	4.5	0.4	113	29.6	29.6	7.9	7.9	26.0	26.0	88.3	88.3	5.8	5.8	8.0	8	97	97	96	96	96	821175	811512	<0.2	<0.2	0.9	0.9					
						8.0	0.3	84	29.6	29.6	7.9	7.9	26.4	26.4	89.8	89.8	5.9	5.9	9.5	8	99	99	99	99	99	821175	811512	<0.2	<0.2	0.6	0.6					
						8.0	0.3	85	29.6	29.6	7.9	7.9	26.4	26.4	89.8	89.8	5.9	5.9	9.5	9	99	99	99	99	99	821175	811512	<0.2	<0.2	0.6	0.6					
SR2	Sunny	Moderate	16:05	4.7	Surface	1.0	0.2	130	29.6	29.6	7.9	7.9	26.4	26.4	87.1	87.1	5.7	5.7	8.9	7	94	94	95	821454	814160	<0.2	<0.2	0.6	0.6							
						1.0	0.2	138	29.6	29.6	7.9	7.9	26.4	26.4	87.1	87.1	5.7	5.7	8.9	7	95	95	95	821454	814160	<0.2	<0.2	0.6	0.6							
						-	0.2	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821454	814160	<0.2	<0.2	0.6	0.6				
					Middle	-	0.2	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821454	814160	<0.2	<0.2	0.6	0.6				
						-	0.2	37	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821454	814160	<0.2	<0.2	0.6	0.6				
						-	0.2	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821454	814160	<0.2	<0.2	0.6	0.6				
Bottom	3.7	0.3	48	29.6	29.6	7.9	7.9	27.3	27.3	88.1	88.1	5.8	5.8	12.7	11	96	96	96	96	96	821454	814160	<0.2	<0.2	0.6	0.6										
	3.7	0.3	50	29.6	29.6	7.9	7.9	27.3	27.3	88.1	88.1	5.8	5.8	12.7	12	96	96	96	96	96	821454	814160	<0.2	<0.2	0.4	0.4										
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821454	814160	<0.2	<0.2	0.6	0.6									
SR3	Sunny	Rough	14:55	9.3	Surface	1.0	0.2	70	30.0	30.0	7.9	7.9	24.7	24.7	91.3	91.3	6.0	6.0	9.7	10	-	-	-	822130	807551	-	-	-	-							
						1.0	0.2	70	30.0	30.0	7.9	7.9	24.7	24.7	91.3	91.3	6.0	6.0	9.7	11	-	-	-	-	-	822130	807551	-	-	-	-					
						4.7	0.3	70	29.6	29.6	7.9	7.9	27.2	27.2	90.2	90.2	5.9	5.9	15.1	9	-	-	-	-	-	822130	807551	-	-	-	-					
					Middle	4.7	0.3	72	29.6	29.6	7.9	7.9	27.2	27.2	90.2	90.2	5.9	5.9	15.1	9	-	-	-	-	-	822130	807551	-	-	-	-					
						8.3	0.2	60	29.4	29.4	7.9	7.9	27.6	27.6	89.9	89.9	5.9	5.9	28.8	19	-	-	-	-	-	822130	807551	-	-	-	-					
						8.3	0.2	60	29.4	29.4	7.9	7.9	27.6	27.6	89.9	89.9	5.9	5.9	28.8	19	-	-	-	-	-	822130	807551	-	-	-	-					
SR4A	Fine	Moderate	15:42	8.5	Surface	1.0	0.1	49	29.2	29.2	7.9	7.9	27.9	27.9	89.8	89.8	5.9	5.9	12.8	9	-	-	-	817194	807829	-	-	-	-							
						1.0	0.1	50	29.2	29.2	7.9	7.9	27.9	27.9	89.8	89.8	5.9	5.9	12.8	9	-	-	-	-	-	817194	807829	-	-	-	-					
						4.3	-	-	28.9	28.9	7.9	7.9	28.6	28.6	86.6	86.6	5.7	5.7	18.6	11	-	-	-	-	-	817194	807829	-	-	-	-					
					Middle	4.3	-	-	28.9	28.9	7.9	7.9	28.6	28.6	86.6	86.6	5.7	5.7	18.7	9	-	-	-	-	-	817194	807829	-	-	-	-					
						7.5	0.1	115	28.9	28.9	7.9	7.9	28.9	28.9	86.5	86.5	5.7	5.7	27.6	9	-	-	-	-	-	817194	807829	-	-	-	-					
						7.5	0.1	124	28.9	28.9	7.9	7.9	28.8	28.8	86.5	86.5	5.7	5.7	27.4	10	-	-	-	-	-	817194	807829	-	-	-	-					
SR5A	Fine	Moderate	15:57	5.4	Surface	1.0	0.1	81	29.4	29.4	7.9	7.9	26.8	26.8	92.8	92.8	6.1	6.1	8.7	7	-	-	-	816602	810709	-	-	-	-							
						1.0	0.1	84	29.4	29.4	7.9	7.9	26.8	26.8	92.7	92.7	6.1	6.1	8.7	6	-	-	-	-	-	816602	810709	-	-	-	-					
						-	-</																													

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 October 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	10:06	8.7	Surface	1.0	0.4	39	29.1	7.9	7.9	27.7	27.7	87.9	87.9	5.8	5.8	13.0	13.0	11	12	92	92	96	815610	804242	<0.2	<0.2	0.5	0.6						
						1.0	0.4	39	29.1	7.9	7.9	27.7	27.7	87.9	87.9	5.8	5.8	13.0	13.0	11	12	92	92	96	96	96	96	<0.2	<0.2	0.5	0.6					
						4.4	0.5	54	28.9	28.9	7.9	7.9	28.5	28.5	87.0	87.0	5.7	5.7	20.5	20.6	10	10	96	96	96	96	<0.2	<0.2	0.6	0.7						
					7.7	0.5	59	28.9	28.9	7.9	7.9	28.7	28.7	86.7	86.7	5.7	5.7	21.3	21.3	13	13	99	99	99	99	<0.2	<0.2	0.6	0.5							
					7.7	0.5	59	28.9	28.9	7.9	7.9	28.7	28.7	86.8	86.8	5.7	5.7	21.3	21.3	13	13	99	99	99	99	<0.2	<0.2	0.6	0.5							
					1.0	0.3	-	29.9	29.9	7.8	7.8	22.5	22.5	79.1	79.1	5.3	5.3	8.9	8.9	6	6	91	91	91	91	<0.2	<0.2	1.6	1.6							
C2	Fine	Moderate	11:01	11.4	Surface	1.0	0.3	-	29.9	29.9	7.8	7.8	22.5	22.5	79.1	79.1	5.3	5.3	8.9	8.9	6	6	95	95	95	825669	806928	<0.2	<0.2	1.3	1.2					
						5.7	0.3	359	29.9	29.9	7.8	7.8	24.0	24.0	78.5	78.5	5.2	5.2	15.8	15.8	6	6	95	95	95	95	<0.2	<0.2	1.2	0.9						
						5.7	0.3	330	29.9	29.9	7.8	7.8	24.0	24.0	78.5	78.5	5.2	5.2	15.8	15.8	6	6	95	95	98	98	<0.2	<0.2	0.9	0.5						
					10.4	0.3	321	29.9	29.9	7.8	7.8	25.8	25.8	82.4	82.4	5.4	5.4	10.9	10.9	31	31	98	98	98	98	<0.2	<0.2	0.9	0.5							
					10.4	0.3	344	29.9	29.9	7.8	7.8	25.8	25.8	82.4	82.4	5.4	5.4	10.9	10.9	34	34	98	98	98	98	<0.2	<0.2	0.5	0.5							
					1.0	0.6	263	29.5	29.5	7.9	7.9	26.5	26.5	84.6	84.6	5.6	5.6	9.0	9.0	6	6	95	95	94	94	<0.2	<0.2	0.5	0.6							
C3	Sunny	Moderate	09:20	11.3	Surface	1.0	0.6	263	29.5	29.5	7.9	7.9	26.5	26.5	84.6	84.6	5.6	5.6	9.0	9.0	6	6	95	95	94	822094	817818	<0.2	<0.2	0.8	0.6					
						1.0	0.6	277	29.5	29.5	7.9	7.9	27.1	27.1	82.5	82.5	5.4	5.4	14.1	14.1	6	6	96	96	96	96	<0.2	<0.2	0.4	0.4						
						5.7	0.6	268	29.4	29.4	7.9	7.9	27.1	27.1	82.5	82.5	5.4	5.4	14.1	14.1	6	6	96	96	99	99	<0.2	<0.2	0.8	0.5						
					5.7	0.6	280	29.4	29.4	7.9	7.9	27.9	27.9	84.3	84.3	5.5	5.5	23.3	23.3	6	6	99	99	99	99	<0.2	<0.2	0.5	0.6							
					10.3	0.4	272	29.5	29.5	7.9	7.9	27.9	27.9	84.3	84.3	5.5	5.5	23.3	23.3	8	8	99	99	99	99	<0.2	<0.2	0.6	0.6							
					10.3	0.5	279	29.5	29.5	7.9	7.9	27.9	27.9	84.3	84.3	5.5	5.5	23.3	23.3	8	8	99	99	99	99	<0.2	<0.2	0.6	0.5							
IM1	Cloudy	Moderate	10:23	7.5	Surface	1.0	0.4	20	29.3	29.3	7.9	7.9	25.9	25.9	86.9	86.9	5.8	5.8	12.5	12.5	8	9	92	92	94	818335	806472	<0.2	<0.2	0.8	0.6					
						1.0	0.4	21	29.3	29.3	7.9	7.9	25.9	25.9	86.9	86.9	5.8	5.8	12.6	12.6	9	9	92	92	94	94	<0.2	<0.2	0.6	0.5						
						3.8	0.5	22	28.9	28.9	7.9	7.9	28.4	28.4	85.6	85.6	5.6	5.6	16.7	16.8	23	22	94	94	96	96	<0.2	<0.2	0.3	0.2						
					3.8	0.5	22	28.9	28.9	7.9	7.9	28.4	28.4	85.6	85.6	5.6	5.6	16.8	16.8	22	22	94	94	96	96	<0.2	<0.2	0.2	0.5							
					6.5	0.4	1	28.8	28.8	7.9	7.9	28.8	28.8	85.5	85.5	5.6	5.6	23.0	23.0	25	25	96	96	96	96	<0.2	<0.2	0.5	0.5							
					6.5	0.4	1	28.8	28.8	7.9	7.9	28.8	28.8	85.5	85.5	5.6	5.6	23.0	23.0	27	27	96	96	96	96	<0.2	<0.2	0.5	0.5							
IM2	Cloudy	Moderate	10:32	8.2	Surface	1.0	0.3	16	29.3	29.3	7.9	7.9	25.4	25.4	86.7	86.7	5.8	5.8	10.5	10.6	7	8	91	92	94	818853	806196	<0.2	<0.2	0.7	0.8					
						1.0	0.4	17	29.3	29.3	7.9	7.9	25.4	25.4	86.7	86.7	5.8	5.8	10.6	10.6	8	8	92	92	94	94	<0.2	<0.2	0.8	0.8						
						4.1	0.6	13	29.3	29.3	7.9	7.9	26.0	26.0	86.0	86.0	5.7	5.7	18.9	19.0	10	10	94	94	96	96	<0.2	<0.2	0.7	0.7						
					4.1	0.6	13	29.3	29.3	7.9	7.9	26.0	26.0	86.0	86.0	5.7	5.7	19.0	19.0	10	10	94	94	96	96	<0.2	<0.2	0.8	0.8							
					7.2	0.4	358	28.9	28.9	7.9	7.9	28.8	28.8	85.2	85.2	5.6	5.6	25.5	25.5	11	11	96	96	96	96	<0.2	<0.2	0.8	0.9							
					7.2	0.4	329	28.9	28.9	7.9	7.9	28.8	28.8	85.2	85.2	5.6	5.6	25.9	25.9	12	12	96	96	96	96	<0.2	<0.2	0.9	0.9							
IM3	Cloudy	Moderate	10:40	8.4	Surface	1.0	0.4	19	29.4	29.4	7.9	7.9	25.2	25.2	86.4	86.4	5.8	5.8	11.4	11.4	10	10	91	91	94	819421	806031	<0.2	<0.2	1.1	1.0					
						1.0	0.4	20	29.4	29.4	7.9	7.9	25.2	25.2	86.4	86.4	5.8	5.8	11.5	11.5	10	10	91	91	94	94	<0.2	<0.2	0.9	0.9						
						4.2	0.5	14	29.3	29.3	7.9	7.9	25.7	25.8	85.7	85.7	5.7	5.7	17.3	17.5	12	12	94	94	94	94	<0.2	<0.2	0.8	0.8						
					4.2	0.6	15	29.3	29.3	7.9	7.9	25.8	25.8	85.7	85.7	5.7	5.7	17.5	17.5	12	12	94	94	94	94	<0.2	<0.2	0.8	0.8							
					7.4	0.4	11	29.0	29.0	7.9	7.9	28.4	28.4	85.6	85.6	5.6	5.6	23.0	23.0	10	10	98	98	98	98	<0.2	<0.2	0.9	0.9							
					7.4	0.4	11	29.0	29.0	7.9	7.9	28.4	28.4	85.6	85.6	5.6	5.6	23.2	23.2	12	12	98	98	98	98	<0.2	<0.2	0.9	0.9							
IM4	Cloudy	Moderate	10:47	7.7	Surface	1.0	0.5	356	29.4	29.4	7.9	7.9	25.4	25.4	87.3	87.3	5.8	5.8	12.4	12.4	11	9	91	92	94	819554	805022	<0.2	<0.2	0.8	0.8					
						1.0	0.5	328	29.4	29.4	7.9	7.9	25.4	25.4	87.3	87.3	5.8	5.8	12.5	12.5	9	9	92	92	94	94	<0.2	<0.2	1.0	0.6						
						3.9	0.6	7	29.3	29.3	7.9	7.9	25.6	25.6	86.8	86.8	5.8	5.8	17.9	18.3	12	13	93	94	94	94	<0.2	<0.2	0.7	0.8						
					3.9	0.6	7	29.3	29.3	7.9	7.9	25.6	25.6	86.8	86.8	5.8	5.8	18.3	18.3	12	12	93	94	94	94	<0.2	<0.2	0.7	0.8							
					6.7	0.5	15	29.2	29.2	7.9	7.9	26.3	26.3	85.9	85.9	5.7	5.7	21.0	21.0	13	13	96	96	96	96	<0.2	<0.2	0.8	0.9							
					6.7	0.5	15	29.2	29.2	7.9	7.9	26.3	26.3	85.9	85.9	5.7	5.7	21.1	21.1	12	12	96	96	96	96	<0.2	<0.2	0.9	0.9							
IM5	Cloudy	Moderate	10:57	7.0	Surface	1.0	0.6	20	29.4	29.4	7.9	7.9	25.1	25.1	86.6	86.6	5.8	5.8	12.0	12.0	10	10	91	91	94	820580	804919	<0.2	<0.2	0.8	0.8					
						1.0	0.6	21	29.4	29.4	7.9	7.9	25.1	25.1	86.6	86.6	5.8	5.8	12.0	12.0	10	10	91	91	94	94	<0.2	<0.2	0.8	0.8						
						3.5	0.5	30	29.3	29.3	7.9	7.9	25.3	25.3	86.0	86.0	5.7	5.7	19.5	18.8	12	11	94	94	94	94	<0.2	<0.2	0.8	0.8						
					3.5	0.5	32	29.4	29.4	7.9	7.9	25.3	25.3	86.0	86.0	5.7	5.7	18.8	18.8	11	11	94	94	94	94	<0.2	<0.2	0.8	0.8							

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

Water Quality Monitoring

Water Quality Monitoring Results on 10 October 17 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	Value	DA	Value	DA
IM9	Sunny	Moderate	10:29	7.2	Surface	1.0	0.2	326	29.7	7.8	7.8	23.8	23.8	85.4	85.4	5.7	5.7	10.2	5.7	10	93	93	96	822078	808827	<0.2	<0.2	1.0	1.1							
						1.0	0.2	338	29.7	7.8	7.8	23.8	23.8	85.4	85.4	5.7	5.7	10.2	5.7	9	93	93	96	822078	808827	<0.2	<0.2	1.1	1.1							
						3.6	0.2	339	29.7	7.8	7.8	23.6	23.6	85.6	85.6	5.7	5.7	11.5	5.7	10	95	95	96	822078	808827	<0.2	<0.2	1.2	1.1							
					Middle	3.6	0.2	312	29.7	7.8	7.8	23.6	23.6	85.6	85.6	5.7	5.7	11.5	5.7	11	96	96	96	822078	808827	<0.2	<0.2	1.1	1.1							
						6.2	0.2	327	29.7	7.8	7.8	24.1	24.1	87.4	87.4	5.8	5.8	12.5	5.8	10	98	98	96	822078	808827	<0.2	<0.2	1.1	1.1							
						6.2	0.2	339	29.7	7.8	7.8	24.1	24.1	87.4	87.4	5.8	5.8	12.5	5.8	10	98	98	96	822078	808827	<0.2	<0.2	0.9	0.9							
IM10	Sunny	Moderate	10:21	6.3	Surface	1.0	0.6	307	29.7	7.8	7.8	25.0	25.0	86.8	86.8	5.8	5.8	14.5	5.8	8	94	94	96	822256	809852	<0.2	<0.2	0.8	0.8							
						1.0	0.6	327	29.7	7.8	7.8	25.0	25.0	86.8	86.8	5.8	5.8	14.5	5.8	7	94	94	96	822256	809852	<0.2	<0.2	0.7	0.7							
						3.2	0.5	315	29.6	7.8	7.8	25.1	25.1	86.2	86.2	5.7	5.7	17.8	5.7	11	96	96	96	822256	809852	<0.2	<0.2	0.8	0.8							
					Middle	3.2	0.6	327	29.6	7.8	7.8	25.1	25.1	86.2	86.2	5.7	5.7	17.8	5.7	10	97	97	96	822256	809852	<0.2	<0.2	0.7	0.7							
						5.3	0.5	313	29.6	7.8	7.8	25.1	25.1	86.6	86.6	5.7	5.7	20.5	5.7	12	98	98	96	822256	809852	<0.2	<0.2	0.7	0.7							
						5.3	0.5	314	29.6	7.8	7.8	25.1	25.1	86.6	86.6	5.7	5.7	20.5	5.7	13	99	99	96	822256	809852	<0.2	<0.2	0.8	0.8							
IM11	Sunny	Moderate	10:08	8.0	Surface	1.0	0.6	286	29.7	7.8	7.8	25.2	25.2	87.2	87.2	5.8	5.8	9.3	5.8	5	93	93	96	821511	810552	<0.2	<0.2	0.8	0.8							
						1.0	0.6	290	29.7	7.8	7.8	25.2	25.2	87.2	87.2	5.8	5.8	9.3	5.8	5	94	94	96	821511	810552	<0.2	<0.2	0.8	0.8							
						4.0	0.5	294	29.5	7.9	7.9	25.9	25.9	85.7	85.7	5.7	5.7	21.3	5.7	7	96	96	96	821511	810552	<0.2	<0.2	0.9	0.9							
					Middle	4.0	0.5	318	29.5	7.9	7.9	25.9	25.9	85.7	85.7	5.7	5.7	21.3	5.7	8	96	96	96	821511	810552	<0.2	<0.2	0.9	0.9							
						7.0	0.5	295	29.5	7.9	7.9	26.0	26.0	87.1	87.1	5.8	5.8	25.5	5.8	30	98	98	96	821511	810552	<0.2	<0.2	0.6	0.6							
						7.0	0.5	300	29.5	7.9	7.9	26.0	26.0	87.1	87.1	5.8	5.8	25.5	5.8	33	99	99	96	821511	810552	<0.2	<0.2	0.8	0.8							
IM12	Sunny	Moderate	10:03	7.6	Surface	1.0	0.7	278	29.6	7.8	7.8	25.1	25.1	87.7	87.7	5.8	5.8	8.7	5.8	5	93	93	96	821173	811509	<0.2	<0.2	0.9	0.9							
						1.0	0.7	278	29.6	7.8	7.8	25.1	25.1	87.7	87.7	5.8	5.8	8.7	5.8	5	94	94	96	821173	811509	<0.2	<0.2	0.8	0.8							
						3.8	0.7	284	29.5	7.9	7.9	25.7	25.7	87.1	87.1	5.8	5.8	13.6	5.8	4	97	97	96	821173	811509	<0.2	<0.2	0.7	0.7							
					Middle	3.8	0.7	301	29.5	7.9	7.9	25.7	25.7	87.1	87.1	5.8	5.8	13.6	5.8	4	96	96	96	821173	811509	<0.2	<0.2	0.8	0.8							
						6.6	0.5	287	29.4	7.9	7.9	26.1	26.1	87.7	87.7	5.8	5.8	20.8	5.8	19	98	98	96	821173	811509	<0.2	<0.2	0.6	0.6							
						6.6	0.5	295	29.4	7.9	7.9	26.1	26.1	87.7	87.7	5.8	5.8	20.8	5.8	18	99	99	96	821173	811509	<0.2	<0.2	0.5	0.5							
SR2	Sunny	Moderate	09:39	4.3	Surface	1.0	0.2	337	29.6	7.9	7.9	25.6	25.6	86.4	86.4	5.7	5.7	16.2	5.7	13	93	93	96	821461	814179	<0.2	<0.2	0.6	0.7							
						1.0	0.2	310	29.6	7.9	7.9	25.6	25.6	86.4	86.4	5.7	5.7	16.2	5.7	14	94	94	96	821461	814179	<0.2	<0.2	0.7	0.7							
						-	0.3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821461	814179	<0.2	<0.2	0.8	0.8				
					Middle	-	0.3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	95	821461	814179	<0.2	<0.2	0.7	0.7				
						3.3	0.2	14	29.5	7.9	7.9	26.0	26.0	88.1	88.1	5.8	5.8	26.5	5.8	14	97	97	96	821461	814179	<0.2	<0.2	0.7	0.7							
						3.3	0.2	14	29.5	7.9	7.9	26.0	26.0	88.1	88.1	5.8	5.8	26.5	5.8	16	96	96	96	821461	814179	<0.2	<0.2	1.0	1.0							
SR3	Sunny	Moderate	10:41	8.7	Surface	1.0	0.2	236	29.8	7.8	7.8	22.8	22.8	82.5	82.5	5.5	5.5	7.3	5.5	12	-	-	-	822162	807570	-	-	-	-							
						1.0	0.2	248	29.8	7.8	7.8	22.8	22.8	82.5	82.5	5.5	5.5	7.3	5.5	12	-	-	-	-	-	-	-	-	-	-						
						4.4	0.2	236	29.7	7.8	7.8	23.1	23.1	81.3	81.3	5.4	5.4	10.9	5.4	18	-	-	-	-	-	-	-	-	-	-						
					Middle	4.4	0.2	253	29.7	7.8	7.8	23.1	23.1	81.3	81.3	5.4	5.4	10.9	5.4	16	-	-	-	-	-	-	-	-	-	-	-					
						7.7	0.1	254	29.7	7.8	7.8	23.2	23.2	82.5	82.5	5.5	5.5	13.0	5.5	18	-	-	-	-	-	-	-	-	-	-						
						7.7	0.1	260	29.7	7.8	7.8	23.2	23.2	82.5	82.5	5.5	5.5	13.0	5.5	17	-	-	-	-	-	-	-	-	-							
SR4A	Cloudy	Calm	09:44	9.4	Surface	1.0	0.2	280	28.9	7.9	7.9	27.1	27.1	86.9	86.9	5.8	5.8	18.2	5.8	19	-	-	-	817192	807827	-	-	-	-							
						1.0	0.2	282	28.9	7.9	7.9	27.1	27.1	86.8	86.8	5.8	5.8	18.2	5.8	18	-	-	-	-	-	-	-	-								
						4.7	-	-	28.8	7.9	7.9	27.2	27.2	86.2	86.2	5.7	5.7	20.7	5.7	20	-	-	-	-	-	-	-	-								
					Middle	4.7	-	-	28.8	7.9	7.9	27.2	27.2	86.2	86.2	5.7	5.7	20.7	5.7	20	-	-	-	-	-	-	-	-	-							
						8.4	0.2	282	28.8	7.8	7.8	27.2	27.2	86.4	86.4	5.7	5.7	24.7	5.7	21	-	-	-	-	-	-	-	-	-							
						8.4	0.2	297	28.8	7.8	7.8	27.2	27.2	86.4	86.4	5.7	5.7	24.5	5.7	23	-	-	-	-	-	-	-	-								
SR5A	Cloudy	Calm	09:28	4.6	Surface	1.0	0.2	278	28.9	7.8	7.8	26.6	26.6	86.8	86.8	5.8	5.8	14.5	5.8	15	-	-	-	816611	810712	-	-	-	-							
						1.0	0.3	287	28.9	7.8	7.8	26.6	26.6	86.8	86.8	5.8	5.8	14.5	5.8	16	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						3.6	0.2	272	28.9	7.8	7.8	26.5	26.5	87.0	87.0	5.8	5.8	16.4	5.8	18	-	-	-	-	-	-	-									
						3.6	0.2	283	28.9	7.8	7.8	26.5	26.5	87.1	87.1	5.8	5.8	16.4	5.8	19	-	-	-	-	-	-										
SR6	Cloudy	Calm	09:04	3.9	Surface	1.0	0.4	299	29.0	7.8	7.8	26.1	26.1	82.5	82.5	5.5	5.5	15.8	5.5	17	-	-	-	817905	814643	-	-	-	-							
						1.0	0.5	307	29.0	7.8	7.8	26.1	26.1	82.5	82.5	5.5	5.5	15.8	5.5	17	-	-	-	-												

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 October 17 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	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Fine	Rough	18:04	8.8	Surface	1.0	0.2	157	29.3	7.9	7.9	27.0	27.0	94.0	94.0	6.2	3.9	4	91	815636	804263	<0.2	0.7									
						1.0	0.2	171	29.3	7.9	7.9	27.0	27.0	94.0	6.2	3.9	4	91	<0.2	0.6												
						4.4	0.1	154	29.3	7.9	7.9	27.0	27.0	93.1	6.1	4.3	5	94	<0.2	0.6												
					Middle	4.4	0.1	168	29.3	7.9	7.9	27.0	27.0	93.0	6.1	4.4	4	94	<0.2	0.7												
						7.8	0.1	206	29.1	7.9	7.9	29.7	29.7	89.9	5.9	7.0	5	96	<0.2	0.8												
						7.8	0.1	224	29.1	7.9	7.9	29.7	29.7	90.2	5.9	6.9	5	97	<0.2	0.8												
C2	Sunny	Rough	16:43	12.6	Surface	1.0	0.3	103	29.9	7.8	7.8	22.3	22.3	85.1	85.1	5.7	14.8	4	91	825685	806961	<0.2	2.1									
						1.0	0.3	106	29.9	7.8	7.8	22.3	22.3	85.1	5.7	14.8	5	92	<0.2	2.1												
						6.3	0.1	38	29.7	7.8	7.8	25.4	25.4	84.7	5.6	16.2	18	94	<0.2	1.3												
					Middle	6.3	0.1	41	29.7	7.8	7.8	25.4	25.4	84.7	5.6	16.2	16	94	<0.2	1.2												
						11.6	0.2	324	29.7	7.9	7.9	26.5	26.5	86.0	5.7	10.7	24	96	<0.2	1.3												
						11.6	0.2	354	29.7	7.9	7.9	26.5	26.5	86.0	5.7	10.7	23	96	<0.2	1.2												
C3	Cloudy	Moderate	18:26	12.0	Surface	1.0	0.4	117	29.7	7.9	7.9	27.9	27.9	85.9	85.9	5.6	4.0	5	95	822125	817816	<0.2	0.4									
						1.0	0.4	117	29.7	7.9	7.9	27.9	27.9	85.9	5.6	4.0	6	94	<0.2	0.5												
						6.0	0.3	86	29.7	7.9	7.9	28.1	28.1	85.9	5.6	4.6	5	97	<0.2	0.3												
					Middle	6.0	0.4	89	29.7	7.9	7.9	28.1	28.1	85.9	5.6	4.6	6	96	<0.2	0.3												
						11.0	0.2	87	29.6	7.9	7.9	28.5	28.5	87.1	5.7	5.0	5	99	<0.2	0.3												
						11.0	0.2	87	29.6	7.9	7.9	28.5	28.5	87.1	5.7	5.0	5	99	<0.2	0.2												
IM1	Fine	Rough	17:46	7.7	Surface	1.0	0.2	125	29.7	7.9	7.9	25.8	25.8	97.3	97.3	6.4	3.8	5	91	818368	806447	<0.2	0.8									
						1.0	0.2	133	29.7	7.9	7.9	25.8	25.8	97.3	6.4	3.9	4	92	<0.2	0.7												
						3.9	0.2	149	29.7	7.9	7.9	26.0	26.0	95.5	6.3	5.0	5	94	<0.2	1.0												
					Middle	3.9	0.2	156	29.7	7.9	7.9	26.0	26.0	95.2	6.3	5.3	4	94	<0.2	1.0												
						6.7	0.1	87	29.2	7.9	7.9	27.8	27.8	90.1	5.9	10.4	4	96	<0.2	0.7												
						6.7	0.1	88	29.2	7.9	7.9	27.8	27.8	90.4	5.9	10.1	4	97	<0.2	0.8												
IM2	Fine	Rough	17:40	8.4	Surface	1.0	0.1	107	29.6	7.9	7.9	26.0	26.0	97.7	97.7	6.4	3.5	3	91	818859	806175	<0.2	1.0									
						1.0	0.1	112	29.6	7.9	7.9	26.0	26.0	97.7	6.5	3.5	5	91	<0.2	1.0												
						4.2	0.1	59	29.4	7.9	7.9	26.9	26.9	92.7	6.1	7.0	4	94	<0.2	0.9												
					Middle	4.2	0.1	63	29.4	7.9	7.9	26.9	26.9	92.7	6.1	7.0	5	94	<0.2	1.0												
						7.4	0.1	70	29.4	7.9	7.9	26.9	26.9	92.0	6.1	8.0	5	96	<0.2	1.0												
						7.4	0.1	75	29.4	7.9	7.9	26.9	26.9	92.0	6.1	8.3	7	96	<0.2	1.1												
IM3	Fine	Rough	17:34	9.1	Surface	1.0	0.1	97	29.7	7.9	7.9	25.8	25.8	96.4	96.4	6.4	3.9	3	90	819414	806021	<0.2	1.0									
						1.0	0.1	102	29.7	7.9	7.9	25.8	25.8	96.4	6.4	3.9	4	90	<0.2	0.9												
						4.6	0.2	47	29.4	7.9	7.9	27.1	27.1	93.7	6.2	5.8	4	91	<0.2	0.9												
					Middle	4.6	0.2	51	29.4	7.9	7.9	27.1	27.1	93.5	6.2	6.0	4	91	<0.2	1.0												
						8.1	0.2	82	29.1	7.9	7.9	28.4	28.4	88.1	5.8	19.6	9	94	<0.2	0.8												
						8.1	0.2	88	29.1	7.9	7.9	28.4	28.4	88.4	5.8	19.0	11	94	<0.2	0.8												
IM4	Sunny	Rough	17:25	8.2	Surface	1.0	0.3	120	29.5	7.9	7.9	26.6	26.6	96.0	95.9	6.3	4.5	6	91	819571	805035	<0.2	0.8									
						1.0	0.3	128	29.5	7.9	7.9	26.5	26.5	95.8	6.3	4.7	5	91	<0.2	0.7												
						4.1	0.2	87	29.2	7.9	7.9	28.7	28.6	91.8	6.0	10.7	8	94	<0.2	1.0												
					Middle	4.1	0.2	89	29.3	7.9	7.9	28.5	28.5	92.1	6.0	9.7	6	94	<0.2	1.0												
						7.2	0.2	96	29.1	7.9	7.9	28.9	29.0	89.6	5.9	21.6	19	96	<0.2	1.0												
						7.2	0.2	99	29.1	7.9	7.9	29.0	29.0	90.0	5.9	22.4	20	96	<0.2	1.0												
IM5	Sunny	Rough	17:12	6.9	Surface	1.0	0.3	108	29.5	7.9	7.9	26.4	26.4	96.2	96.1	6.4	4.5	7	91	820548	804914	<0.2	1.0									
						1.0	0.4	108	29.5	7.9	7.9	26.4	26.4	96.0	6.3	4.6	7	91	<0.2	1.0												
						3.5	0.3	70	29.4	7.9	7.9	27.2	27.3	92.0	6.1	7.3	5	94	<0.2	1.0												
					Middle	3.5	0.3	74	29.4	7.9	7.9	27.4	27.3	91.6	6.0	8.1	5	94	<0.2	1.0												
						5.9	0.2	61	29.1	7.9	7.9	28.9	28.9	89.8	5.9	17.0	6	96	<0.2	1.1												
						5.9	0.2	61	29.1	7.9	7.9	28.9	28.9	89.9	5.9	17.0	6	96	<0.2	1.8												
IM6	Sunny	Rough	17:00	6.9	Surface	1.0	0.2	108	29.6	7.9	7.9	25.7	25.7	95.9	95.8	6.3	5.0	4	92	821054	805814	<0.2	1.1									
						1.0	0.2	111	29.6	7.9	7.9	25.7	25.7	95.7	6.3	5.1	6	92	<0.2	1.2												
						3.5	0.2	91	29.2	7.9	7.9	27.4	27.4	87.7	5.8	14.4	8	94	<0.2	1.0												
					Middle	3.5	0.2	98	29.2	7.9	7.9	27.4	27.4	87.6	5.8	14.9	9	94	<0.2	0.8												
						5.9	0.1	138	29.1	7.9	7.9	27.8	27.8	86.9	5.7	19.3	8	96	<0.2	0.7												
						5.9	0.1	147	29.1	7.9	7.9	27.8	27.8	87.0	5.7	18.7	9	96	<0.2	0.7												
IM7	Sunny	Rough	16:51	8.7	Surface	1.0	0.3	108	30.0	7.8	7.8	21.6	21.6	91.9	92.0	6.2	4.0	4	92	821334	806818	<0.2	1.9									
						1.0	0.3	114	30.0	7.8	7.8	21.6	21.6	92.0	6.2	4.1	4	92	<0.2	2.1												
						4.4	0.3	60	29.6	7.9	7.9	25.8	25.8	92.5	6.1	7.4	8	94	<0.2	2.1												
					Middle	4.4	0.3	60	29.6	7.9	7.9	25.7	25.8	92.4	6.1	7.5	8	94	<0.2	2.2												
						7.7	0.2	61	29.2	7.9	7.9	27.2	27.2	88.7	5.9	14.8	7	96	<0.2	2.1												
						7.7	0.2	64	29.2	7.9	7.9	27.2	27.2	88.7	5.9	14.8	8	96	<0.2	2.1												
IM8	Cloudy	Rough	17:07	8.7	Surface	1.0	0.3	97	30.3	7.8	7.8	20.9	20.9	90.9	90.9	6.1	5.8	3	92	821697	807832	<0.2	1.8									
						1.0	0.3	97	30.3	7.8	7.8	20.9	20.9	90.9	6.1	6.0	3	92	<0.2	1.9												
						4.4	0.3	40	29.9	7.9	7.9	24.9	24.9	89.7	5.9	11.5	4	94	<0.2	1.3												
					Middle	4.4	0.3	43	29.9	7.9	7.9	24.9	24.9	89.7	5.9	11.5	4	95	<0.2	1.4												
						7.7	0.2	84	29.5	7.9	7.9	26.7	26.7	88.9	5.9	18.5	6	96	<0.2	0.9												
						7.7	0.2	89	29.5	7.9	7.9	26.7	26.7	88.9	5.9	18.5	6	96	<0.2	1.0												

DA: Depth-Averaged

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

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

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Rough	17:16	7.8	Surface	1.0	0.2	100	30.1	7.9	7.9	22.8	22.8	90.8	90.8	6.0	6.0	5.3	6.0	5	93	95	822101	808826	<0.2	<0.2	1.6	1.6								
						1.0	0.3	106	30.1	7.9	7.9	22.8	22.8	90.8	90.8	6.0	6.0	5.3	6.0	4	93	95	<0.2	<0.2	1.7	1.7										
					Middle	3.9	0.3	112	29.9	7.9	7.9	25.3	25.3	90.6	90.6	6.0	6.0	11.8	6.0	11.8	5	95	96	<0.2	<0.2	1.4	1.4									
						3.9	0.3	113	29.9	7.9	7.9	25.3	25.3	90.6	90.6	6.0	6.0	11.8	6.0	11.8	5	94	96	<0.2	<0.2	1.6	1.6									
					Bottom	6.8	0.2	77	29.8	7.9	7.9	25.4	25.4	91.2	91.2	6.0	6.0	26.7	6.0	26.7	23	97	97	<0.2	<0.2	0.8	0.8									
						6.8	0.2	84	29.8	7.9	7.9	25.4	25.4	91.2	91.2	6.0	6.0	26.7	6.0	26.7	20	97	97	<0.2	<0.2	0.9	0.9									
IM10	Cloudy	Rough	17:24	7.0	Surface	1.0	0.4	114	30.1	7.8	7.8	21.1	21.1	87.6	87.6	5.9	5.9	6.6	5.9	6	93	96	822231	809824	<0.2	<0.2	1.8	1.8								
						1.0	0.4	119	30.1	7.8	7.8	21.1	21.1	87.6	87.6	5.9	5.9	6.6	5.9	6	94	96	<0.2	<0.2	2.0	2.0										
					Middle	3.5	0.4	93	29.9	7.9	7.9	23.1	23.1	87.4	87.4	5.8	5.8	9.8	5.8	9.8	4	96	96	<0.2	<0.2	1.8	1.8									
						3.5	0.4	94	29.9	7.9	7.9	23.1	23.1	87.4	87.4	5.8	5.8	9.8	5.8	9.8	5	96	96	<0.2	<0.2	1.4	1.4									
					Bottom	6.0	0.2	101	29.8	7.9	7.9	25.4	25.4	88.6	88.6	5.9	5.9	10.5	5.9	10.5	9	97	97	<0.2	<0.2	1.5	1.5									
						6.0	0.3	103	29.8	7.9	7.9	25.4	25.4	88.6	88.6	5.9	5.9	10.5	5.9	10.5	10	97	97	<0.2	<0.2	1.2	1.2									
IM11	Cloudy	Rough	17:35	8.4	Surface	1.0	0.4	95	30.0	7.9	7.9	22.9	22.9	90.3	90.3	6.0	6.0	15.0	6.0	8	94	96	821520	810541	<0.2	<0.2	1.6	1.6								
						1.0	0.4	96	30.0	7.9	7.9	22.9	22.9	90.3	90.3	6.0	6.0	15.0	6.0	9	94	96	<0.2	<0.2	1.6	1.6										
					Middle	4.2	0.3	80	29.8	7.9	7.9	25.4	25.4	89.1	89.1	5.9	5.9	17.4	5.9	17.4	13	96	96	<0.2	<0.2	1.3	1.3									
						4.2	0.3	81	29.8	7.9	7.9	25.4	25.4	89.1	89.1	5.9	5.9	17.4	5.9	17.4	12	96	96	<0.2	<0.2	1.4	1.4									
					Bottom	7.4	0.2	84	29.6	7.9	7.9	26.4	26.4	87.9	87.9	5.8	5.8	20.8	5.8	20.8	20	98	98	<0.2	<0.2	0.6	0.6									
						7.4	0.3	91	29.6	7.9	7.9	26.4	26.4	87.9	87.9	5.8	5.8	20.8	5.8	20.8	22	99	99	<0.2	<0.2	0.6	0.6									
IM12	Cloudy	Rough	17:42	9.3	Surface	1.0	0.4	91	29.9	7.9	7.9	23.5	23.5	89.3	89.3	5.9	5.9	10.0	5.9	12	94	96	821172	811523	<0.2	<0.2	1.3	1.3								
						1.0	0.4	93	29.9	7.9	7.9	23.5	23.5	89.3	89.3	5.9	5.9	10.1	5.9	10.1	13	94	96	<0.2	<0.2	1.3	1.3									
					Middle	4.7	0.3	99	29.8	7.9	7.9	25.4	25.4	85.8	85.8	5.7	5.7	11.0	5.7	11.0	11	96	96	<0.2	<0.2	1.1	1.1									
						4.7	0.3	100	29.8	7.9	7.9	25.4	25.4	85.8	85.8	5.7	5.7	11.0	5.7	11.0	12	97	97	<0.2	<0.2	1.2	1.2									
					Bottom	8.3	0.2	113	29.6	7.9	7.9	26.7	26.7	85.9	85.9	5.7	5.7	15.3	5.7	15.3	16	99	99	<0.2	<0.2	0.6	0.6									
						8.3	0.2	113	29.6	7.9	7.9	26.7	26.7	85.9	85.9	5.7	5.7	15.3	5.7	15.3	16	98	98	<0.2	<0.2	1.0	1.0									
SR2	Cloudy	Moderate	18:04	5.0	Surface	1.0	0.3	87	29.9	7.9	7.9	25.1	25.1	91.5	91.5	6.0	6.0	4.7	6.0	7	95	96	821479	814173	<0.2	<0.2	0.9	0.9								
						1.0	0.4	89	29.9	7.9	7.9	25.1	25.1	91.5	91.5	6.0	6.0	4.7	6.0	8	96	96	<0.2	<0.2	0.9	0.9										
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.0	0.2	88	29.7	7.9	7.9	26.7	26.7	89.1	89.1	5.9	5.9	10.0	5.9	10.0	7	97	97	<0.2	<0.2	0.7	0.7									
						4.0	0.2	92	29.7	7.9	7.9	26.7	26.7	89.1	89.1	5.9	5.9	10.0	5.9	10.0	7	97	97	<0.2	<0.2	0.7	0.7									
SR3	Cloudy	Rough	17:01	9.3	Surface	1.0	0.2	94	30.2	7.8	7.8	21.1	21.1	91.0	91.0	6.1	6.1	5.9	6.1	5	-	-	822145	807555	-	-	-	-								
						1.0	0.2	98	30.2	7.8	7.8	21.1	21.1	91.0	91.0	6.1	6.1	5.9	6.1	5.9	6.1	4	-	-	-	-	-	-								
					Middle	4.7	0.4	58	29.9	7.9	7.9	24.9	24.9	91.2	91.2	6.0	6.0	12.8	6.0	12.8	5	-	-	-	-	-	-									
						4.7	0.4	59	29.9	7.9	7.9	24.9	24.9	91.2	91.2	6.0	6.0	12.8	6.0	12.8	5	-	-	-	-	-	-									
					Bottom	8.3	0.2	66	29.6	7.9	7.9	26.6	26.6	91.0	91.0	6.0	6.0	21.3	6.0	21.3	8	-	-	-	-	-	-									
						8.3	0.3	69	29.6	7.9	7.9	26.6	26.6	91.0	91.0	6.0	6.0	21.3	6.0	21.3	10	-	-	-	-	-	-									
SR4A	Fine	Moderate	18:25	8.6	Surface	1.0	0.5	93	29.7	7.9	7.9	26.3	26.3	96.4	96.4	6.3	6.3	13.2	6.3	13	-	-	817190	807796	-	-	-	-								
						1.0	0.5	97	29.7	7.9	7.9	26.3	26.3	96.4	96.4	6.3	6.3	13.4	6.3	13.4	13	-	-	-	-											
					Middle	4.3	0.4	104	29.7	7.9	7.9	26.3	26.3	95.9	95.9	6.3	6.3	13.3	6.3	13.3	12	-	-	-	-											
						4.3	0.4	113	29.7	7.9	7.9	26.2	26.2	95.9	95.9	6.3	6.3	13.5	6.3	13.5	12	-	-	-	-											
					Bottom	7.6	0.3	63	29.7	7.9	7.9	26.6	26.6	94.5	94.5	6.2	6.2	19.2	6.2	19.2	12	-	-	-	-											
						7.6	0.3	64	29.7	7.9	7.9	26.5	26.5	94.6	94.6	6.2	6.2	17.7	6.2	17.7	12	-	-	-	-											
SR5A	Fine	Calm	18:40	5.3	Surface	1.0	0.1	86	29.8	7.9	7.9	27.0	27.0	98.1	98.1	6.4	6.4	7.7	6.4	9	-	-	816594	810700	-	-	-	-								
						1.0	0.2	90	29.8	7.9	7.9	27.0	27.0	98.0	98.0	6.4	6.4	7.7	6.4	8	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.3	0.1	100	29.8	7.9	7.9	27.1	27.1	96.8	96.8	6.3	6.3	6.8	6.3	6.8	7	-	-	-	-											
						4.3	0.1	104	29.8	7.9	7.9	27.1	27.1	96.0	96.0	6.3	6.3	6.9	6.3	6.9	8	-	-	-	-											
SR6	Fine	Calm	19:03	4.3	Surface	1.0	0.1	111	29.8	7.9	7.9	26.4	26.4	92.0	92.0	6.0	6.0	11.9	6.0	7	-	-	817893	814658	-	-	-	-								
						1.0	0.1	120	29.8	7.9	7.9	26.4	26.4	91.9	91.9	6.0	6.0	11.8	6.0	11.8	5	-	-	-	-											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.3	0.1	61	29.4	7.9	7.9	27.3	27.3	90.9	90.9	6.0	6.0	13.1	6.0	13.1	10	-	-	-	-											
						3.3	0.1	62	29.4	7.9	7.9	27.3	27.3	91.2	91.2	6.0	6.0	12.7	6.0	12.7	8	-	-	-	-											
SR7	Cloudy	Moderate	18:55	16.5																																

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 October 17 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	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	13:07	8.4	Surface	1.0	0.4	75	29.8	7.9	7.9	25.4	25.4	94.0	93.9	6.2	6.1	5.2	11.9	10	9	89	92	815607	804266	<0.2	0.8	0.6		
						1.0	0.4	79	29.8	7.9	7.9	25.4	25.4	93.8	93.9	6.2	6.1	5.4	9	89	92	815607	804266	<0.2	0.7					
						4.2	0.4	54	29.3	7.9	7.9	26.8	26.8	90.6	90.6	6.0	6.0	8.9	9	92	92	815607	804266	<0.2	0.4					
					4.2	0.4	54	29.3	7.9	7.9	26.8	26.8	90.6	90.6	6.0	6.0	9.0	8	92	92	815607	804266	<0.2	0.7						
					7.4	0.4	48	29.1	7.9	7.9	28.0	28.0	88.6	88.6	5.8	5.8	21.6	9	96	96	815607	804266	<0.2	0.5						
					7.4	0.4	50	29.1	7.9	7.9	27.9	28.0	88.6	88.6	5.8	5.8	21.0	8	96	96	815607	804266	<0.2	0.6						
C2	Sunny	Moderate	14:10	11.7	Surface	1.0	0.2	343	30.3	7.8	7.8	20.6	20.6	82.3	82.3	5.5	5.5	6.9	14.3	6	5	92	94	825668	806936	<0.2	2.3	1.6		
						1.0	0.2	345	30.3	7.8	7.8	20.6	20.6	82.3	82.3	5.5	5.5	6.9	5	92	94	825668	806936	<0.2	2.3					
						5.9	0.2	355	29.9	7.8	7.8	23.9	23.9	81.8	81.8	5.4	5.4	12.4	6	95	96	825668	806936	<0.2	1.5					
					5.9	0.2	327	29.9	7.8	7.8	23.9	23.9	81.8	81.8	5.4	5.4	12.4	6	95	96	825668	806936	<0.2	1.6						
					10.7	0.3	343	29.7	7.8	7.8	27.2	27.2	85.4	85.4	5.6	5.6	23.5	17	96	96	825668	806936	<0.2	1.0						
					10.7	0.3	344	29.7	7.8	7.8	27.2	27.2	85.4	85.4	5.6	5.6	23.5	18	96	96	825668	806936	<0.2	1.0						
C3	Sunny	Moderate	12:23	12.0	Surface	1.0	0.6	256	29.8	7.9	7.9	26.8	26.8	88.6	88.6	5.8	5.6	4.2	9.2	6	5	95	97	822107	817805	<0.2	0.9	1.0		
						1.0	0.6	275	29.8	7.9	7.9	26.8	26.8	88.6	88.6	5.8	5.6	4.2	5	94	96	822107	817805	<0.2	0.8					
						6.0	0.5	252	29.5	7.9	7.9	27.9	27.9	83.0	83.0	5.4	5.4	7.8	9	96	97	822107	817805	<0.2	0.9					
					6.0	0.6	256	29.5	7.9	7.9	27.9	27.9	83.0	83.0	5.4	5.4	7.8	8	96	97	822107	817805	<0.2	1.2						
					11.0	0.4	269	29.5	7.9	7.9	28.4	28.4	85.1	85.1	5.6	5.6	15.5	10	99	99	822107	817805	<0.2	1.2						
					11.0	0.4	293	29.5	7.9	7.9	28.4	28.4	85.1	85.1	5.6	5.6	15.5	10	98	98	822107	817805	<0.2	0.7						
IM1	Sunny	Moderate	13:24	7.4	Surface	1.0	0.4	21	29.6	7.9	7.9	25.8	25.8	91.0	91.0	6.0	5.9	6.7	15.4	7	6	88	92	818350	806446	<0.2	0.7	1.1		
						1.0	0.4	21	29.6	7.9	7.9	25.8	25.8	90.9	91.0	6.0	6.0	6.9	6	89	91	818350	806446	<0.2	1.0					
						3.7	0.4	8	29.1	7.9	7.9	27.6	27.6	88.6	88.6	5.8	5.8	14.6	6	91	92	818350	806446	<0.2	1.1					
					3.7	0.5	8	29.1	7.9	7.9	27.6	27.6	88.5	88.6	5.8	5.8	14.8	6	92	92	818350	806446	<0.2	1.3						
					6.4	0.3	355	29.1	7.9	7.9	27.8	27.8	88.2	88.2	5.8	5.8	24.9	15	96	96	818350	806446	<0.2	1.4						
					6.4	0.3	327	29.1	7.9	7.9	27.8	27.8	88.2	88.2	5.8	5.8	24.7	17	96	96	818350	806446	<0.2	1.3						
IM2	Sunny	Moderate	13:30	8.3	Surface	1.0	0.3	14	29.9	7.9	7.9	24.4	24.4	90.5	90.6	6.0	6.0	5.3	12.2	8	6	89	92	818858	806182	<0.2	1.4	1.2		
						1.0	0.3	14	29.9	7.9	7.9	24.4	24.4	90.6	90.6	6.0	6.0	5.4	7	91	91	818858	806182	<0.2	1.2					
						4.2	0.4	8	29.4	7.9	7.9	26.2	26.2	89.8	89.8	5.9	5.9	6.9	7	91	91	818858	806182	<0.2	1.0					
					4.2	0.4	8	29.4	7.9	7.9	26.2	26.2	89.8	89.8	5.9	5.9	7.1	7	91	91	818858	806182	<0.2	0.9						
					7.3	0.3	356	29.0	7.9	7.9	28.0	28.0	87.0	87.1	5.7	5.7	24.2	8	94	94	818858	806182	<0.2	1.3						
					7.3	0.3	328	29.0	7.9	7.9	28.0	28.0	87.1	87.1	5.7	5.7	24.1	8	94	94	818858	806182	<0.2	1.2						
IM3	Sunny	Moderate	13:39	8.6	Surface	1.0	0.3	21	29.8	7.9	7.9	24.6	24.6	90.5	90.5	6.0	6.0	5.1	11.8	5	5	91	94	819393	806015	<0.2	1.4	0.8		
						1.0	0.3	22	29.8	7.9	7.9	24.5	24.6	90.5	90.5	6.0	6.0	5.3	5	92	92	819393	806015	<0.2	1.3					
						4.3	0.5	20	29.3	7.9	7.9	26.7	26.7	88.7	88.7	5.9	5.9	9.3	8	94	94	819393	806015	<0.2	0.7					
					4.3	0.5	20	29.3	7.9	7.9	26.7	26.7	88.7	88.7	5.9	5.9	9.6	9	94	94	819393	806015	<0.2	0.6						
					7.6	0.3	9	29.1	7.9	7.9	28.3	28.3	86.7	86.8	5.7	5.7	20.8	19	96	96	819393	806015	<0.2	0.5						
					7.6	0.3	9	29.1	7.9	7.9	28.3	28.3	86.8	86.8	5.7	5.7	20.9	20	96	96	819393	806015	<0.2	0.4						
IM4	Sunny	Moderate	13:46	7.8	Surface	1.0	0.3	-	29.6	7.9	7.9	25.1	25.1	90.4	90.4	6.0	5.9	7.3	14.1	7	7	91	94	819553	805053	<0.2	1.1	1.0		
						1.0	0.3	-	29.6	7.9	7.9	25.1	25.1	90.3	90.4	6.0	6.0	7.3	7	91	91	819553	805053	<0.2	1.0					
						3.9	0.4	42	29.2	7.9	7.9	27.2	27.2	88.4	88.5	5.8	5.8	11.3	8	94	94	819553	805053	<0.2	1.1					
					3.9	0.4	44	29.2	7.9	7.9	27.2	27.2	88.5	88.5	5.8	5.8	11.2	6	94	94	819553	805053	<0.2	1.1						
					6.8	0.4	13	29.1	7.9	7.9	27.9	27.9	87.3	87.3	5.8	5.8	23.7	10	96	96	819553	805053	<0.2	0.9						
					6.8	0.4	13	29.1	7.9	7.9	27.8	27.9	87.4	87.4	5.8	5.8	23.7	8	97	97	819553	805053	<0.2	0.8						
IM5	Sunny	Moderate	13:56	7.1	Surface	1.0	0.5	15	29.7	7.9	7.9	25.1	25.1	91.7	91.7	6.1	6.0	7.1	18.5	6	7	93	96	820567	804914	<0.2	1.0	1.0		
						1.0	0.6	15	29.7	7.9	7.9	25.1	25.1	91.6	91.7	6.1	6.1	7.5	8	94	94	820567	804914	<0.2	1.0					
						3.6	0.4	13	29.2	7.9	7.9	27.3	27.3	88.1	88.1	5.8	5.8	23.1	7	96	96	820567	804914	<0.2	1.3					
					3.6	0.5	14	29.2	7.9	7.9	27.3	27.3	88.1	88.1	5.8	5.8	23.2	7	97	97	820567	804914	<0.2	1.2						
					6.1	0.4	10	29.2	7.9	7.9	27.3	27.3	88.0	88.0	5.8	5.8	25.0	20	97	97	820567	804914	<0.2	0.7						
					6.1	0.4	10	29.2	7.9	7.9	27.3	27.3	88.1	88.1	5.8	5.8	25.0	20	97	97	820567	804914	<0.2	1.0						
IM6	Sunny	Moderate	14:03	6.9	Surface	1.0	0.4	10	30.2	7.8	7.8	20.7	20.8	88.2	88.2	5.9	5.9	4.5	12.9	5	5	91	94	821065	805845	<0.2	2.2	2.1		
						1.0	0.4	10	30.2	7.8	7.8	20.8	20.8	88.2	88.2	5.9	5.9	4.7	5	92	92	821065	805845	<0.2	2.2					
						3.5	0.3	30	29.5	7.9	7.9	25.4	25.4	88.1	88.1	5.8	5.8	9.8	8	94	94	821065	805845	<0.2	1.9					
					3.5	0.4	32	29.5	7.9	7.9	25.4	25.4	88.0	88.1	5.8	5.8	9.8	7	94	94	821065	805845	<0.2	2.2						
					5.9	0.3	30	29.1	7.9	7.9	27.9	27.9	86.4	86.5	5.7	5.7	24.4	8	96	96	821065	805845	<0.2	1.9						
					5.9	0.3	32	29.1	7.9	7.9	27.9	27.9	86.5	86.5	5.7	5.7	24.3	6	96	96	821065	805845	<0.2	2.1						
IM7	Sunny	Moderate	14:12	8.5	Surface	1.0	0.0	48	30.2	7.8	7.8	19.9	19.9																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 12 October 17 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	Sunny	Moderate	13:36	7.3	Surface	1.0	0.1	55	30.4	7.7	7.7	20.1	20.1	86.4	86.4	5.8	6.2	5	94	6	6	96	822097	808800	<0.2	2.4	2.4									
						1.0	0.1	58	30.4	7.7	7.7	20.1	20.1	86.4	86.4	5.8	6.2	6	93	6	96	<0.2	2.2													
						3.7	0.2	69	30.2	7.7	7.7	20.3	20.3	86.1	86.1	5.8	5.7	6	96	6	97	<0.2	2.4													
					3.7	0.2	69	30.2	7.7	7.7	20.3	20.3	86.1	86.1	5.8	5.8	6	97	6	96	<0.2	2.5														
					6.3	0.3	317	30.0	7.8	7.8	22.8	22.8	87.2	87.2	5.8	10.8	6	98	6	96	<0.2	2.3														
					6.3	0.3	336	30.0	7.8	7.8	22.8	22.8	87.2	87.2	5.8	10.8	6	99	6	96	<0.2	2.3														
IM10	Sunny	Moderate	13:28	7.7	Surface	1.0	0.4	331	30.4	7.8	7.8	22.3	22.3	90.5	90.5	6.0	7.7	4	94	4	10	96	822231	809840	<0.2	1.7	1.4									
						1.0	0.4	331	30.4	7.8	7.8	22.3	22.3	90.5	90.5	6.0	7.7	4	94	4	96	<0.2	2.0													
						3.9	0.5	315	29.9	7.9	7.9	24.6	24.6	89.8	89.8	5.9	10.8	7	96	7	96	<0.2	1.5													
					3.9	0.5	333	29.9	7.9	7.9	24.6	24.6	89.8	89.8	5.9	10.8	7	96	7	96	<0.2	1.2														
					6.7	0.5	305	29.6	7.9	7.9	26.0	26.0	88.4	88.4	5.8	25.2	17	99	17	99	<0.2	0.9														
					6.7	0.5	334	29.6	7.9	7.9	26.0	26.0	88.4	88.4	5.8	25.2	19	98	19	98	<0.2	0.8														
IM11	Sunny	Moderate	13:16	8.1	Surface	1.0	0.4	298	30.2	7.9	7.9	24.5	24.6	89.8	89.8	5.9	10.9	3	93	3	96	821483	810541	<0.2	1.4	1.1										
						1.0	0.5	315	30.2	7.9	7.9	24.6	24.6	89.7	89.7	5.9	11.3	3	94	3	96	<0.2	1.3													
						4.1	0.3	295	29.6	7.9	7.9	26.4	26.4	88.0	88.0	5.8	18.2	4	96	4	96	<0.2	1.2													
					4.1	0.4	307	29.6	7.9	7.9	26.4	26.4	88.0	88.0	5.8	18.2	3	97	3	96	<0.2	1.2														
					7.1	0.3	300	29.6	7.9	7.9	26.4	26.4	87.7	87.7	5.8	25.5	11	98	11	98	<0.2	0.9														
					7.1	0.3	327	29.6	7.9	7.9	26.4	26.4	87.7	87.7	5.8	25.5	12	98	12	98	<0.2	0.8														
IM12	Sunny	Moderate	13:09	8.9	Surface	1.0	0.5	271	30.0	7.9	7.9	25.8	25.8	89.0	89.0	5.9	7.2	4	94	3	94	821173	811504	<0.2	0.9	0.7										
						1.0	0.5	294	30.0	7.9	7.9	25.8	25.8	89.0	89.0	5.9	7.2	3	94	3	94	<0.2	1.0													
						4.5	0.4	279	29.7	7.9	7.9	26.6	26.6	85.6	85.6	5.6	19.1	10	97	10	97	<0.2	0.7													
					4.5	0.4	287	29.7	7.9	7.9	26.6	26.6	85.6	85.6	5.6	19.1	9	96	9	96	<0.2	0.6														
					7.9	0.3	280	29.6	7.9	7.9	26.5	26.5	85.9	85.9	5.6	24.5	16	98	16	98	<0.2	0.5														
					7.9	0.3	307	29.6	7.9	7.9	26.5	26.5	85.9	85.9	5.6	24.5	15	99	15	99	<0.2	0.5														
SR2	Sunny	Moderate	12:47	4.6	Surface	1.0	0.3	318	29.9	7.9	7.9	26.5	26.5	88.8	88.8	5.8	13.2	6	94	6	96	821459	814178	<0.2	0.8	0.9										
						1.0	0.3	335	29.9	7.9	7.9	26.5	26.5	88.8	88.8	5.8	13.2	6	93	6	96	<0.2	0.8													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-						
					3.6	0.1	300	29.8	7.9	7.9	26.5	26.5	88.8	88.8	5.8	18.5	8	96	8	96	<0.2	0.8														
					3.6	0.1	311	29.8	7.9	7.9	26.5	26.5	88.8	88.8	5.8	18.5	9	96	9	96	<0.2	1.0														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-					
SR3	Sunny	Moderate	13:49	8.9	Surface	1.0	0.0	293	30.3	7.7	7.7	20.0	20.0	83.8	83.8	5.7	5.2	3	-	3	-	822153	807584	-	-	-										
						1.0	0.0	298	30.3	7.7	7.7	20.0	20.0	83.8	83.8	5.7	5.2	3	-	3	-	-	-	-	-		-									
						4.5	0.2	28	30.1	7.7	7.7	21.2	21.2	83.6	83.6	5.6	5.2	4	-	4	-	-	-	-	-		-									
					4.5	0.2	30	30.1	7.7	7.7	21.2	21.2	83.6	83.6	5.6	5.2	3	-	3	-	-	-	-	-	-											
					7.9	0.1	89	30.0	7.8	7.8	23.8	23.8	85.8	85.8	5.7	7.5	6	-	6	-	-	-	-	-	-											
					7.9	0.1	94	30.0	7.8	7.8	23.8	23.8	85.8	85.8	5.7	7.5	5	-	5	-	-	-	-	-	-											
SR4A	Sunny	Calm	12:46	9.2	Surface	1.0	0.1	238	29.3	7.9	7.9	27.5	27.5	90.3	90.3	5.9	10.1	7	-	7	-	817181	807799	-	-	-										
						1.0	0.2	257	29.3	7.9	7.9	27.5	27.5	90.3	90.3	5.9	9.6	7	-	7	-	-	-	-	-											
						4.6	0.1	262	29.3	7.9	7.9	27.7	27.7	89.1	89.1	5.9	13.0	9	-	9	-	-	-	-	-											
					4.6	0.1	276	29.3	7.9	7.9	27.7	27.7	89.1	89.1	5.9	13.1	9	-	9	-	-	-	-	-												
					8.2	0.0	68	29.4	7.9	7.9	27.8	27.8	89.3	89.3	5.9	15.2	11	-	11	-	-	-	-	-												
					8.2	0.0	71	29.4	7.9	7.9	27.8	27.8	89.3	89.3	5.9	15.1	11	-	11	-	-	-	-	-												
SR5A	Sunny	Calm	12:31	4.2	Surface	1.0	0.2	292	29.5	7.9	7.9	27.1	27.1	92.4	92.4	6.1	9.6	8	-	8	-	816574	810700	-	-	-										
						1.0	0.2	307	29.5	7.9	7.9	27.1	27.1	92.3	92.3	6.1	10.0	6	-	6	-	-	-	-												
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-												
					3.2	0.1	293	29.5	7.9	7.9	27.1	27.1	91.7	91.7	6.0	13.7	10	-	10	-	-	-	-													
					3.2	0.1	298	29.5	7.9	7.9	27.1	27.1	91.6	91.7	6.0	15.0	10	-	10	-	-	-	-													
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
SR6	Sunny	Moderate	12:10	3.9	Surface	1.0	0.0	303	29.7	7.8	7.8	26.0	26.0	90.8	90.8	6.0	7.0	6	-	6	-	817886	814662	-	-	-										
						1.0	0.0	304	29.8	7.8	7.8	26.0	26.0	90.8	90.8	6.0	7.3	6	-	6	-	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					2.9	0.1	85	29.6	7.8	7.8	26.2	26.2	88.1	88.1	5.8	20.3	6	-	6	-	-	-														
					2.9	0.1	85	29.6	7.8	7.8	26.2	26.2	88.1	88.1	5.8	20.5	5	-	5	-	-	-														
					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
SR7	Sunny	Moderate	11:54	16.3	Surface	1.0	0.1	265	29.6	7.8	7.8	27.4	27.4	84.7	84.7	5.5	5.3	5	-	5	-	823638	823741	-	-	-										
						1.0	0.1	276	29.6	7.8	7.8	27.4	27.4	84.7	84.7	5.5	5.3	4	-	4	-	-	-													
						8.2	0.0	167	29.5	7.8	7.8	28.2	28.2	82.9	82.9	5.4	7.2	6	-	6	-	-	-													
					8.2	0.0	182	29.5	7.8	7.8	28.2	28.2	82.9	82.9	5.4	7.2	4	-	4	-	-	-														
					15.3	0.2	128	29.5	7.8	7.8	28.7	28.7	82.5	82.5	5.4	8.1	8	-	8	-	-	-														
					15.3	0.2	128	29.5	7.8	7.8	28.7	28.7	82.5	82.5	5.4	8.1	10	-	10	-	-	-														
SR8	Sunny	Moderate	13:02	4.6	Surface	1.0	-	-	30.1	7.8	7.8	23.9	23.9	90.5	90.5	6.0	13.7	9	-	9	-	820246	811418	-	-	-										
						1.0	-	-	30.1	7.8	7.8	23.9	23.9	90.5	90.5	6.0	13.7	9	-	9	-	-	-													
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-													
					3.6	-	-	29.7	7.8	7.8	25.2	25.2	90.6	90.6	6.0</																					

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	08:00	9.1	Surface	1.0	0.3	211	28.1	8.0	8.0	30.3	30.3	94.5	94.5	6.2	6.1	4.5	9.0	4	8	86	91	815605	804229	<0.2	<0.2	0.4	0.4							
						1.0	0.3	213	28.1	8.0	8.0	30.3	30.3	94.4	94.5	6.2	6.1	4.5	9.0	4	8	87	91	<0.2	<0.2	0.4	0.4									
						4.6	0.4	209	28.2	8.0	8.0	30.3	30.3	91.6	91.6	6.0	6.0	8.3	9.0	7	8	91	91	<0.2	<0.2	0.4	0.4									
						4.6	0.5	211	28.2	8.0	8.0	30.3	30.3	91.6	91.6	6.0	6.0	8.3	9.0	5	8	92	91	<0.2	<0.2	0.4	0.4									
						8.1	0.3	188	28.9	8.0	8.0	31.7	31.7	91.7	91.7	5.9	5.9	14.3	9.0	13	8	93	91	<0.2	<0.2	0.2	0.2									
						8.1	0.3	190	28.9	8.0	8.0	31.7	31.7	91.7	91.7	5.9	5.9	14.3	9.0	12	8	94	91	<0.2	<0.2	0.2	0.2									
					C2	Cloudy	Rough	09:23	12.1	Surface	1.0	0.9	166	28.6	7.9	7.9	27.7	27.7	90.0	90.0	6.0	5.9	7.4	11.3	7	8	92	94	825671	806954	<0.2	<0.2	0.8	0.8		
											1.0	0.9	168	28.6	7.9	7.9	27.7	27.7	90.0	90.0	6.0	5.9	7.4	11.3	7	8	91	94	<0.2	<0.2	1.0	1.0				
											6.1	0.6	165	29.0	7.9	7.9	28.3	28.3	87.0	87.0	5.7	5.7	12.4	11.3	8	8	94	94	<0.2	<0.2	1.1	1.1				
											6.1	0.6	178	29.0	7.9	7.9	28.3	28.3	87.0	87.0	5.7	5.7	12.4	11.3	7	8	95	94	<0.2	<0.2	0.9	0.9				
											11.1	0.3	164	29.1	7.9	7.9	30.4	30.4	92.9	92.9	6.0	6.0	14.0	11.3	8	8	97	94	<0.2	<0.2	1.0	1.0				
											11.1	0.3	167	29.1	7.9	7.9	30.4	30.4	92.9	92.9	6.0	6.0	14.0	11.3	10	8	96	94	<0.2	<0.2	0.8	0.8				
C3	Cloudy	Rough	07:15	12.4						Surface	1.0	0.3	71	28.7	7.9	7.9	30.8	30.8	86.8	86.8	5.7	5.7	2.6	3.9	6	6	94	97	822125	817797	<0.2	<0.2	1.5	1.5		
											1.0	0.3	76	28.7	7.9	7.9	30.8	30.8	86.8	86.8	5.7	5.7	2.6	3.9	4	6	95	97	<0.2	<0.2	1.5	1.5				
											6.2	0.4	95	29.1	7.9	7.9	31.3	31.3	86.7	86.7	5.6	5.6	4.4	3.9	5	6	97	97	<0.2	<0.2	1.3	1.3				
											6.2	0.4	102	29.1	7.9	7.9	31.3	31.3	86.7	86.7	5.6	5.6	4.4	3.9	7	6	97	97	<0.2	<0.2	0.2	0.2				
											11.4	0.2	93	29.1	7.9	7.9	31.4	31.4	87.7	87.7	5.7	5.7	4.6	3.9	6	6	99	97	<0.2	<0.2	0.2	0.2				
											11.4	0.2	99	29.1	7.9	7.9	31.4	31.4	87.7	87.7	5.7	5.7	4.6	3.9	5	6	98	97	<0.2	<0.2	0.2	0.2				
					IM1	Cloudy	Rough	08:24	7.7	Surface	1.0	0.3	182	28.2	8.0	8.0	29.7	29.7	92.0	92.0	6.1	6.1	7.6	9.6	6	7	89	91	818338	806444	<0.2	<0.2	0.4	0.4		
											1.0	0.3	186	28.2	8.0	8.0	29.7	29.7	92.0	92.0	6.1	6.1	7.6	9.6	6	7	89	91	<0.2	<0.2	0.4	0.4				
											3.9	0.3	172	28.4	8.0	8.0	29.7	29.7	91.5	91.5	6.0	6.0	9.9	9.6	9	7	91	91	<0.2	<0.2	0.4	0.4				
											3.9	0.3	182	28.4	8.0	8.0	29.7	29.7	91.5	91.5	6.0	6.0	9.9	9.6	7	7	92	91	<0.2	<0.2	0.4	0.4				
											6.7	0.3	196	28.8	8.0	8.0	31.3	31.3	92.7	92.7	6.0	6.0	11.3	9.6	8	7	93	91	<0.2	<0.2	0.2	0.2				
											6.7	0.3	209	28.8	8.0	8.0	31.3	31.3	92.7	92.7	6.0	6.0	11.3	9.6	8	7	94	91	<0.2	<0.2	0.2	0.2				
IM2	Cloudy	Rough	08:31	8.6						Surface	1.0	0.3	198	28.2	8.0	8.0	29.7	29.7	92.8	92.8	6.1	6.1	7.6	11.1	8	8	89	92	818860	806185	<0.2	<0.2	0.3	0.3		
											1.0	0.4	217	28.2	8.0	8.0	29.7	29.7	92.8	92.8	6.1	6.1	7.6	11.1	8	8	90	92	<0.2	<0.2	0.3	0.3				
											4.3	0.3	192	28.2	8.0	8.0	30.1	30.1	92.1	92.1	6.1	6.1	9.3	11.1	9	8	91	92	<0.2	<0.2	0.2	0.2				
											4.3	0.4	210	28.2	8.0	8.0	30.1	30.1	92.1	92.1	6.1	6.1	9.3	11.1	8	8	91	92	<0.2	<0.2	0.3	0.3				
											7.6	0.3	182	28.7	8.0	8.0	31.1	31.1	92.9	92.9	6.0	6.0	16.5	11.1	9	8	94	92	<0.2	<0.2	0.4	0.4				
											7.6	0.3	196	28.7	8.0	8.0	31.1	31.1	92.9	92.9	6.0	6.0	16.5	11.1	7	8	94	92	<0.2	<0.2	0.2	0.2				
					IM3	Cloudy	Rough	08:40	8.8	Surface	1.0	0.5	191	27.9	8.0	8.0	29.9	29.9	93.7	93.7	6.2	6.2	6.2	8.5	6	6	91	94	819419	806038	<0.2	<0.2	0.3	0.3		
											1.0	0.6	201	27.9	8.0	8.0	29.9	29.9	93.7	93.7	6.2	6.2	6.2	8.5	5	6	91	94	<0.2	<0.2	0.3	0.3				
											4.4	0.4	194	28.2	8.0	8.0	30.2	30.2	92.6	92.6	6.1	6.1	8.8	8.5	5	6	94	94	<0.2	<0.2	0.3	0.3				
											4.4	0.4	195	28.2	8.0	8.0	30.2	30.2	92.6	92.6	6.1	6.1	8.8	8.5	5	6	94	94	<0.2	<0.2	0.3	0.3				
											7.8	0.3	205	28.4	8.0	8.0	30.4	30.4	94.2	94.2	6.2	6.2	10.5	8.5	8	6	96	94	<0.2	<0.2	0.3	0.3				
											7.8	0.4	205	28.4	8.0	8.0	30.4	30.4	94.2	94.2	6.2	6.2	10.5	8.5	7	6	96	94	<0.2	<0.2	0.2	0.2				
IM4	Cloudy	Rough	08:48	8.0						Surface	1.0	0.7	185	28.1	8.0	8.0	30.1	30.1	92.7	92.7	6.1	6.1	7.9	10.6	5	6	91	94	819588	805026	<0.2	<0.2	0.2	0.2		
											1.0	0.7	196	28.1	8.0	8.0	30.1	30.1	92.7	92.7	6.1	6.1	7.9	10.6	5	6	92	94	<0.2	<0.2	0.2	0.2				
											4.0	0.5	183	28.3	8.0	8.0	30.2	30.2	91.7	91.7	6.0	6.0	10.8	10.6	5	6	94	94	<0.2	<0.2	0.2	0.2				
											4.0	0.5	190	28.3	8.0	8.0	30.2	30.2	91.7	91.7	6.0	6.0	10.8	10.6	6	6	94	94	<0.2	<0.2	0.2	0.2				
											7.0	0.5	192	28.6	8.0	8.0	30.9	30.9	93.1	93.1	6.1	6.1	13.1	10.6	8	6	96	94	<0.2	<0.2	0.3	0.3				
											7.0	0.5	197	28.6	8.0	8.0	30.9	30.9	93.1	93.1	6.1	6.1	13.1	10.6	6	6	96	94	<0.2	<0.2	0.3	0.3				
					IM5	Cloudy	Rough	09:04	7.1	Surface	1.0	0.6	185	28.0	8.0	8.0	29.7	29.7	93.1	93.1	6.2	6.2	11.9	15.4	13	15	91	94	820567	804936	<0.2	<0.2	0.4	0.4		
											1.0	0.6	188	28.0	8.0	8.0	29.7	29.7	93.1	93.1	6.2	6.2	11.9	15.4	12	15	92	94	<0.2	<0.2	0.3	0.3				
											3.6	0.5	189	28.1	8.0	8.0	29.9	29.9	92.6	92.6	6.1	6.1	15.2	15.4	12	15	93	94	<0.2	<0.2	0.3	0.3				
											3.6	0.5	207	28.1	8.0	8.0	29.9	29.9	92.6	92.6	6.1	6.1	15.2	15.4	13	15	94	94	<0.2	<0.2	0.3	0.3				
											6.1	0.5	188	28.3	8.0	8.0	30.2	30.2	93.8	93.8	6.2	6.2	19.2	15.4	20	15	96	94	<0.2	<0.2	0.3	0.3				
											6.1	0.5	200	28.3	8.0	8.0	30.2	30.2	93.8	93.8	6.2	6.2	19.2	15.4	21	15	96	94	<0.2	<0.2	0.3	0.3				
IM6	Cloudy	Rough	09:13	7.0						Surface	1.0	0.5	189	27.8	8.0	8.0	28.8	28.8	94.7	94.7	6.3	6.3	7.3	11.1	7	9	91	94	821041	805841	<0.2	<0.2	0.6	0.6		
											1.0	0.5	193	27.8	8.0	8.0	28.8	28.8	94.7	94.7	6.3	6.3	7.3	11.1	6	9	91	94	<0.2	<0.2	0.6	0.6				
											3.5	0.4	206	27.9	8.0	8.0	29.1	29.1	94.4	94.4	6.3	6.3	11.8	11.1	7	9	94	94	<0.2	<0.2	0.6					

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 October 17 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	Value	DA	Value	DA
C1	Cloudy	Moderate	15:28	8.3	Surface	1.0	0.3	27	28.0	28.0	8.0	8.0	29.1	29.1	93.7	93.7	6.2	6.2	8.9	14.1	7	8	92	94	815620	804228	<0.2	0.4	<0.2	0.4						
						1.0	0.3	27	28.0		8.0	8.0	29.1	29.1	93.7	93.7	6.2		8.9		7		92				<0.2	0.3								
						4.2	0.4	51	28.0		8.0	8.0	29.2	29.2	93.5	93.5	6.2		12.0		8		94				<0.2	0.4								
					Middle	4.2	0.4	55	28.0	8.0	8.0	29.2	29.2	93.5	93.5	6.2	12.1	7	94	<0.2	0.4															
						7.3	0.3	31	28.0	8.0	8.0	29.4	29.4	93.3	93.3	6.2	21.3	8	96	<0.2	0.4															
						7.3	0.3	32	28.0	8.0	8.0	29.4	29.4	93.3	93.3	6.2	21.3	10	96	<0.2	0.4															
C2	Cloudy	Rough	14:19	12.3	Surface	1.0	0.2	175	28.8	28.8	7.9	7.9	28.4	28.4	88.7	88.7	5.9	5.9	7.1	8.8	6	7	92	94	825701	806960	<0.2	0.7	<0.2	0.5						
						1.0	0.2	190	28.8		7.9	7.9	28.4	28.4	88.7	88.7	5.9		7.1		6		92				<0.2	0.6								
						6.2	0.3	203	28.9		7.9	7.9	28.6	28.6	88.8	88.8	5.8		9.0		6		93				<0.2	0.5								
					Middle	6.2	0.4	212	28.9	7.9	7.9	28.6	28.6	88.8	88.8	5.8	9.0	7	94	<0.2	0.5															
						11.3	0.2	235	28.9	7.9	7.9	29.0	29.0	91.5	91.5	6.0	10.4	7	97	<0.2	0.5															
						11.3	0.2	238	28.9	7.9	7.9	29.0	29.0	91.5	91.5	6.0	10.4	9	96	<0.2	0.4															
C3	Cloudy	Rough	16:22	12.2	Surface	1.0	0.4	255	29.0	29.0	7.9	7.9	31.3	31.3	87.0	87.0	5.6	5.7	4.4	7.4	8	7	93	97	822103	817801	<0.2	<0.2	<0.2	<0.2						
						1.0	0.4	269	29.0		7.9	7.9	31.3	31.3	87.0	87.0	5.6		4.4		7		94				<0.2	<0.2								
						6.1	0.4	250	29.0		7.9	7.9	31.3	31.3	87.7	87.7	5.7		6.7		6		97				<0.2	<0.2								
					Middle	6.1	0.4	260	29.0	7.9	7.9	31.3	31.3	87.7	87.7	5.7	6.7	7	97	<0.2	<0.2															
						11.2	0.4	245	29.0	7.9	7.9	31.3	31.3	90.1	90.2	5.8	11.4	7	99	<0.2	<0.2															
						11.2	0.4	253	29.0	7.9	7.9	31.3	31.3	90.2	90.2	5.8	10.7	9	99	<0.2	<0.2															
IM1	Cloudy	Rough	15:08	7.4	Surface	1.0	0.2	337	27.9	27.9	8.0	8.0	29.2	29.2	93.9	93.9	6.3	6.3	11.2	15.5	8	10	92	94	818368	806457	<0.2	0.5	<0.2	0.5						
						1.0	0.2	337	27.9		8.0	8.0	29.2	29.2	93.9	93.9	6.3		11.2		8		92				<0.2	0.5								
						3.7	0.4	45	28.0		8.0	8.0	29.4	29.4	93.9	93.9	6.3		15.7		10		93				<0.2	0.5								
					Middle	3.7	0.5	45	28.0	8.0	8.0	29.4	29.4	93.9	93.9	6.3	15.9	11	94	<0.2	0.5															
						6.4	0.3	38	28.0	8.0	8.0	29.5	29.5	95.1	95.1	6.3	19.6	10	96	<0.2	0.5															
						6.4	0.3	41	28.0	8.0	8.0	29.5	29.5	95.1	95.1	6.3	19.6	10	96	<0.2	0.6															
IM2	Cloudy	Rough	15:02	8.0	Surface	1.0	0.3	36	28.1	28.1	8.0	8.0	29.8	29.8	92.0	92.0	6.1	6.1	9.2	10.3	8	10	91	94	818848	806207	<0.2	0.4	<0.2	0.3						
						1.0	0.3	39	28.1		8.0	8.0	29.8	29.8	92.0	92.0	6.1		9.2		10		92				<0.2	0.4								
						4.0	0.3	27	28.2		8.0	8.0	30.0	30.0	91.3	91.3	6.0		9.5		10		93				<0.2	0.3								
					Middle	4.0	0.3	27	28.2	8.0	8.0	30.0	30.0	91.3	91.3	6.0	9.5	11	94	<0.2	0.2															
						7.0	0.3	52	28.5	8.0	8.0	30.5	30.5	91.6	91.6	6.0	12.2	12	96	<0.2	0.2															
						7.0	0.3	52	28.5	8.0	8.0	30.5	30.5	91.6	91.6	6.0	12.2	10	96	<0.2	0.3															
IM3	Cloudy	Rough	14:54	8.1	Surface	1.0	0.2	148	28.0	28.0	8.0	8.0	29.3	29.3	94.3	94.4	6.3	6.3	7.8	8.7	7	9	89	91	819417	806016	<0.2	0.5	<0.2	0.5						
						1.0	0.2	156	28.0		8.0	8.0	29.3	29.3	94.4	94.4	6.3		7.8		9		89				<0.2	0.5								
						4.1	0.2	114	28.0		8.0	8.0	29.4	29.4	93.5	93.5	6.2		8.9		8		91				<0.2	0.5								
					Middle	4.1	0.2	115	28.0	8.0	8.0	29.4	29.4	93.5	93.5	6.2	8.9	9	91	<0.2	0.5															
						7.1	0.1	193	28.1	8.0	8.0	29.7	29.7	94.6	94.7	6.3	9.5	11	94	<0.2	0.6															
						7.1	0.1	193	28.1	8.0	8.0	29.7	29.7	94.7	94.7	6.3	9.4	10	94	<0.2	0.5															
IM4	Cloudy	Rough	14:46	7.9	Surface	1.0	0.1	146	28.1	28.1	8.0	8.0	29.1	29.1	93.4	93.4	6.2	6.2	9.6	11.8	12	11	90	92	819585	805030	<0.2	0.5	<0.2	0.6						
						1.0	0.1	154	28.1		8.0	8.0	29.1	29.1	93.4	93.4	6.2		9.7		11		90				<0.2	0.6								
						4.0	0.1	47	28.1		8.0	8.0	29.1	29.1	93.0	93.0	6.2		13.0		11		92				<0.2	0.7								
					Middle	4.0	0.1	50	28.1	8.0	8.0	29.1	29.1	93.0	93.0	6.2	13.0	11	92	<0.2	0.7															
						6.9	0.0	98	28.1	8.0	8.0	29.1	29.1	93.3	93.3	6.2	12.8	10	94	<0.2	0.7															
						6.9	0.0	98	28.1	8.0	8.0	29.1	29.1	93.3	93.3	6.2	12.8	10	94	<0.2	0.6															
IM5	Cloudy	Rough	14:36	6.8	Surface	1.0	0.1	3	28.1	28.1	8.0	8.0	28.5	28.5	92.4	92.4	6.2	6.2	13.8	16.6	11	14	91	94	820562	804917	<0.2	0.6	<0.2	0.6						
						1.0	0.1	3	28.1		8.0	8.0	28.5	28.5	92.4	92.4	6.2		13.8		13		91				<0.2	0.6								
						3.4	0.2	338	28.1		8.0	8.0	28.5	28.5	92.6	92.6	6.2		16.5		14		94				<0.2	0.5								
					Middle	3.4	0.2	311	28.1	8.0	8.0	28.5	28.5	92.6	92.6	6.2	16.5	15	94	<0.2	0.6															
						5.8	0.2	348	28.1	8.0	8.0	28.6	28.6	93.6	93.6	6.2	19.5	17	96	<0.2	0.6															
						5.8	0.2	320	28.1	8.0	8.0	28.6	28.6	93.6	93.6	6.2	19.5	16	96	<0.2	0.7															
IM6	Cloudy	Rough	14:25	6.9	Surface	1.0	0.2	253	28.4	28.4	7.9	7.9	28.5	28.5	90.9	90.9	6.0	6.0	8.7	10.2	10	11	91	94	821056	805833	<0.2	0.6	<0.2	0.6						
						1.0	0.2	276	28.4		7.9	7.9	28.5	28.5	90.9	90.9	6.0		8.7		11		91				<0.2	0.7								
						3.5	0.3	256	28.4		7.9	7.9	28.5	28.5	90.5	90.5	6.0		10.3		11		94				<0.2	0.6								
					Middle	3.5	0.3	260	28.4	7.9	7.9	28.5	28.5	90.5	90.5	6.0	10.3	10	94	<0.2	0.6															
						5.9	0.3	276	28.4	7.9	7.9	28.6	28.6	90.5	90.5	6.0	11.6	12	96	<0.2	0.6															
						5.9	0.3	298	28.4	7.9	7.9	28.6	28.6	90.5	90.5	6.0	11.6	14	96	<0.2	0.6															
IM7	Cloudy	Rough	14:16	8.1	Surface	1.0	0.2	221	28.4	28.4	7.9	7.9	28.6	28.6	90.8	90.8	6.0	6.0	7.8	10.4	9	9	91	94	821367	806834	<0.2	0.6	<0.2	0.7						
						1.0	0.2	234	28.4		7.9	7.9	28.6	28.6	90.8	90.8	6.0		7.8		7		92				<0.2	0.6								
						4.1	0.2	221	28.5		7.9	7.9	28.7	28.7	91.1	91.1	6.0		10.9		11		93				<0.2	0.7								
					Middle	4.1	0.2	234	28.5	7.9	7.9	28.7	28.7	91.1	91.1	6.0	10.9	9	94	<0.2	0.7															
						7.1	0.3	226	28.5	7.9	7.9	28.6	28.6	93.3	93.3	6.2	12.4	9	96	<0.2	0.7															
						7.1	0.3	227	28.5	7.9	7.9	28.6	28.6	93.3	93.3	6.2	12.4	10	96	<0.2	0.8															
IM8	Cloudy	Rough	14:48	8.3	Surface	1.0	0.2	167	28.5	28.5	7.9	7.9	28.8	28.8	91.7	91.7	6.1	6.1	4.6	5.7	7	6														

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

Water Quality Monitoring

Water Quality Monitoring Results on 14 October 17 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	Value	DA	Value	DA
IM9	Cloudy	Rough	14:58	7.6	Surface	1.0	0.1	240	28.5	7.9	7.9	29.2	29.2	91.7	91.7	6.1	6.1	10.3	10.3	13	13	93	93	822101	808798	<0.2	<0.2	0.6	0.6							
						1.0	0.1	256	28.5	7.9	7.9	29.2	29.2	91.7	91.7	6.1	6.1	10.3	10.3	12	12	93	93	<0.2	<0.2	0.6	0.6									
					Middle	3.8	0.2	224	28.5	7.9	7.9	29.2	29.2	91.9	91.9	6.1	6.1	10.8	10.8	13	13	97	97	<0.2	<0.2	0.8	0.8									
						3.8	0.2	237	28.5	7.9	7.9	29.2	29.2	91.9	91.9	6.1	6.1	10.8	10.8	14	14	96	96	<0.2	<0.2	0.7	0.7									
					Bottom	6.6	0.3	278	28.5	7.9	7.9	29.2	29.2	92.9	92.9	6.1	6.1	11.8	11.8	14	14	98	98	<0.2	<0.2	0.5	0.5									
						6.6	0.3	294	28.5	7.9	7.9	29.2	29.2	92.9	92.9	6.1	6.1	11.8	11.8	13	13	98	98	<0.2	<0.2	0.5	0.5									
IM10	Cloudy	Rough	15:09	7.3	Surface	1.0	0.5	298	28.6	8.0	8.0	29.6	29.6	90.0	90.0	5.9	5.9	10.5	10.5	7	7	93	93	822232	809851	<0.2	<0.2	0.4	0.4							
						1.0	0.6	312	28.6	8.0	8.0	29.6	29.6	90.0	90.0	5.9	5.9	10.5	10.5	9	9	94	94	<0.2	<0.2	0.4	0.4									
					Middle	3.7	0.3	288	28.7	8.0	8.0	29.7	29.7	90.3	90.3	5.9	5.9	13.7	13.7	12	12	97	97	<0.2	<0.2	0.6	0.6									
						3.7	0.4	315	28.7	8.0	8.0	29.7	29.7	90.3	90.3	5.9	5.9	13.7	13.7	12	12	96	96	<0.2	<0.2	0.5	0.5									
					Bottom	6.3	0.4	314	28.7	8.0	8.0	29.9	29.9	91.4	91.4	6.0	6.0	17.0	17.0	12	12	99	99	<0.2	<0.2	0.5	0.5									
						6.3	0.5	331	28.7	8.0	8.0	29.9	29.9	91.5	91.5	6.0	6.0	16.8	16.8	10	10	98	98	<0.2	<0.2	0.5	0.5									
IM11	Cloudy	Rough	15:21	8.0	Surface	1.0	0.4	254	28.9	7.9	7.9	30.0	30.0	86.0	86.0	5.6	5.6	12.8	12.8	7	7	93	93	821517	810549	<0.2	<0.2	0.4	0.4							
						1.0	0.4	266	28.9	7.9	7.9	30.0	30.0	86.0	86.0	5.6	5.6	12.8	12.8	9	9	94	94	<0.2	<0.2	0.5	0.5									
					Middle	4.0	0.4	285	29.1	7.9	7.9	30.3	30.3	85.8	85.8	5.6	5.6	24.9	24.9	10	10	96	96	<0.2	<0.2	0.4	0.4									
						4.0	0.4	311	29.1	7.9	7.9	30.3	30.3	85.8	85.8	5.6	5.6	24.9	24.9	10	10	96	96	<0.2	<0.2	0.4	0.4									
					Bottom	7.0	0.3	300	29.1	7.9	7.9	30.4	30.4	88.3	88.3	5.7	5.7	27.2	27.2	10	10	98	98	<0.2	<0.2	0.5	0.5									
						7.0	0.3	317	29.1	7.9	7.9	30.4	30.4	88.3	88.3	5.7	5.7	27.2	27.2	9	9	98	98	<0.2	<0.2	0.5	0.5									
IM12	Cloudy	Rough	15:29	7.1	Surface	1.0	0.5	253	28.8	7.9	7.9	29.9	29.9	87.4	87.4	5.7	5.7	9.8	9.8	7	7	93	93	821150	811521	<0.2	<0.2	0.4	0.4							
						1.0	0.6	272	28.8	7.9	7.9	29.9	29.9	87.4	87.4	5.7	5.7	9.8	9.8	8	8	94	94	<0.2	<0.2	0.4	0.4									
					Middle	3.6	0.5	263	28.9	7.9	7.9	30.3	30.3	87.9	87.9	5.7	5.7	20.9	20.9	8	8	97	97	<0.2	<0.2	0.5	0.5									
						3.6	0.5	277	28.9	7.9	7.9	30.3	30.3	87.9	87.9	5.7	5.7	20.9	20.9	9	9	96	96	<0.2	<0.2	0.5	0.5									
					Bottom	6.1	0.5	272	28.9	7.9	7.9	30.5	30.5	90.1	90.1	5.9	5.9	25.1	25.1	8	8	97	97	<0.2	<0.2	0.5	0.5									
						6.1	0.5	286	28.9	7.9	7.9	30.5	30.5	90.1	90.1	5.9	5.9	25.1	25.1	7	7	98	98	<0.2	<0.2	0.4	0.4									
SR2	Cloudy	Rough	15:55	4.9	Surface	1.0	0.2	299	28.7	7.9	7.9	29.9	29.9	88.6	88.6	5.8	5.8	9.2	9.2	8	8	93	93	821443	814147	<0.2	<0.2	0.4	0.4							
						1.0	0.2	306	28.7	7.9	7.9	29.9	29.9	88.6	88.6	5.8	5.8	9.2	9.2	9	9	94	94	<0.2	<0.2	0.5	0.5									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.9	0.2	302	28.8	7.9	7.9	30.0	30.0	91.4	91.4	6.0	6.0	11.2	11.2	10	10	97	97	<0.2	<0.2	0.4	0.4									
						3.9	0.2	307	28.8	7.9	7.9	30.0	30.0	91.4	91.4	6.0	6.0	11.2	11.2	12	12	96	96	<0.2	<0.2	0.5	0.5									
SR3	Cloudy	Rough	14:38	8.4	Surface	1.0	0.1	202	28.8	7.9	7.9	28.9	28.9	91.1	91.1	6.0	6.0	5.7	5.7	7	7	-	-	-	-	822156	807579	-	-	-	-					
						1.0	0.1	219	28.8	7.9	7.9	28.9	28.9	91.1	91.1	6.0	6.0	5.7	5.7	6	6	-	-	-	-	-	-	-	-	-						
					Middle	4.2	0.1	190	28.8	7.9	7.9	28.9	28.9	91.5	91.5	6.0	6.0	7.6	7.6	9	9	-	-	-	-	-	-	-	-	-	-					
						4.2	0.1	194	28.8	7.9	7.9	28.9	28.9	91.5	91.5	6.0	6.0	7.6	7.6	9	9	-	-	-	-	-	-	-	-	-						
					Bottom	7.4	0.1	212	28.8	7.9	7.9	28.9	28.9	92.8	92.8	6.1	6.1	9.7	9.7	14	14	-	-	-	-	-	-	-	-	-	-					
						7.4	0.1	230	28.8	7.9	7.9	28.9	28.9	92.8	92.8	6.1	6.1	9.7	9.7	12	12	-	-	-	-	-	-	-	-	-						
SR4A	Cloudy	Moderate	15:52	9.4	Surface	1.0	0.2	224	28.3	7.9	7.9	27.8	27.8	90.7	90.7	6.1	6.1	7.6	7.6	8	8	-	-	-	-	817199	807796	-	-	-	-					
						1.0	0.2	232	28.3	7.9	7.9	27.8	27.8	90.7	90.7	6.1	6.1	7.6	7.6	8	8	-	-	-	-	-	-	-	-							
					Middle	4.7	0.1	210	28.4	7.9	7.9	27.8	27.8	88.5	88.5	5.9	5.9	9.9	9.9	6	6	-	-	-	-	-	-	-	-	-						
						4.7	0.1	216	28.4	7.9	7.9	27.8	27.8	88.5	88.5	5.9	5.9	9.9	9.9	6	6	-	-	-	-	-	-	-	-							
					Bottom	8.4	0.0	312	28.7	7.9	7.9	29.4	29.4	89.1	89.1	5.9	5.9	11.1	11.1	7	7	-	-	-	-	-	-	-	-	-						
						8.4	0.0	328	28.7	7.9	7.9	29.4	29.4	89.1	89.1	5.9	5.9	11.1	11.1	9	9	-	-	-	-	-	-	-	-							
SR5A	Cloudy	Moderate	16:10	4.0	Surface	1.0	0.3	269	28.3	8.0	8.0	27.4	27.4	93.7	93.7	6.3	6.3	4.5	4.5	4	4	-	-	-	-	816605	810698	-	-	-	-					
						1.0	0.3	288	28.3	8.0	8.0	27.4	27.4	93.7	93.7	6.3	6.3	4.5	4.5	4	4	-	-	-	-	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.0	0.2	279	28.4	7.9	7.9	27.6	27.6	95.5	95.5	6.4	6.4	4.6	4.6	3	3	-	-	-	-	-	-	-	-							
						3.0	0.2	303	28.4	7.9	7.9	27.6	27.6	95.5	95.5	6.4	6.4	4.6	4.6	3	3	-	-	-	-	-	-	-								
SR6	Cloudy	Moderate	16:32	4.6	Surface	1.0	0.1	289	28.0	8.0	8.0	28.5	28.5	93.6	93.6	6.3	6.3	9.7	9.7	8	8	-	-	-	-	817900	814655	-	-	-	-					
						1.0	0.1	290	28.0	8.0	8.0	28.5	28.5	93.6	93.6	6.3	6.3	9.7	9.7	9	9	-	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	3.6	0.1	237</																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
					Value	Average			Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA			
C1	Cloudy	Moderate	10:43	10.0	Surface	1.0	0.3	206	27.2	8.0	8.0	32.2	32.2	92.7	92.7	6.1	6.1	15.2	6.1	14	14	88	88	90	815611	804260	<0.2	<0.2	0.4	0.4					
						1.0	0.3	207	27.2	27.2	8.0	8.0	32.2	32.2	92.7	92.7	6.1	6.1	15.2	6.1	14	14	87						87	0.3	0.3				
					Middle	5.0	0.2	230	27.3	27.3	8.0	8.0	32.2	32.2	92.4	92.4	6.1	6.1	17.1	6.1	16	16	89						89	<0.2	<0.2	0.6	0.6		
						5.0	0.2	243	27.3	27.3	8.0	8.0	32.2	32.2	92.4	92.4	6.1	6.1	17.3	6.1	15	15	90						90	<0.2	<0.2	0.3	0.3		
					Bottom	9.0	0.1	232	27.2	27.2	8.0	8.0	32.2	32.2	92.6	92.6	6.1	6.1	19.6	6.1	18	18	91						91	90	90	<0.2	<0.2	0.6	0.6
						9.0	0.2	251	27.2	27.2	8.0	8.0	32.2	32.2	92.6	92.6	6.1	6.1	19.6	6.1	18	18	92						92	91	91	<0.2	<0.2	0.3	0.3
C2	Cloudy	moderate	12:20	11.8	Surface	1.0	0.6	165	27.4	7.9	7.9	31.4	31.4	91.3	91.3	6.1	6.1	11.5	6.1	7	7	89	89	91	825693	806950	<0.2	<0.2	0.5	0.5					
						1.0	0.6	179	27.4	27.4	7.9	7.9	31.4	31.4	91.2	91.2	6.0	6.0	11.5	6.0	6	6	89						89	0.6	0.6				
					Middle	5.9	0.6	172	27.3	27.3	7.9	7.9	31.5	31.5	90.1	90.1	6.0	6.0	14.8	6.0	10	10	91						91	<0.2	<0.2	0.6	0.6		
						5.9	0.6	177	27.3	27.3	7.9	7.9	31.5	31.5	90.1	90.1	6.0	6.0	15.0	6.0	9	9	91						91	<0.2	<0.2	0.5	0.5		
					Bottom	10.8	0.6	170	27.3	27.3	7.9	7.9	31.4	31.4	88.1	88.1	5.9	5.9	19.5	5.9	33	33	93						93	91	91	<0.2	<0.2	0.4	0.4
						10.8	0.6	171	27.3	27.3	7.9	7.9	31.4	31.4	88.0	88.0	5.9	5.9	19.4	5.9	32	32	93						93	91	91	<0.2	<0.2	0.5	0.5
C3	Cloudy	moderate	10:12	12.3	Surface	1.0	0.4	102	28.1	7.9	7.9	32.1	32.1	86.3	86.3	5.6	5.6	4.7	5.6	6	6	89	89	91	822123	817820	<0.2	<0.2	0.5	0.5					
						1.0	0.4	102	28.1	28.1	7.9	7.9	32.1	32.1	86.3	86.3	5.6	5.6	4.8	5.6	6	6	89						89	0.6	0.6				
					Middle	6.2	0.3	81	28.1	28.1	7.9	7.9	32.0	32.0	85.3	85.3	5.6	5.6	6.5	5.6	6	6	91						91	<0.2	<0.2	0.3	0.3		
						6.2	0.4	88	28.1	28.1	7.9	7.9	32.0	32.0	85.2	85.2	5.6	5.6	6.7	5.6	5	5	91						91	<0.2	<0.2	0.3	0.3		
					Bottom	11.3	0.3	88	28.1	28.1	7.9	7.9	32.0	32.0	82.6	82.6	5.4	5.4	9.9	5.4	9	9	94						94	91	91	<0.2	<0.2	0.7	0.7
						11.3	0.3	88	28.1	28.1	7.9	7.9	32.0	32.0	82.5	82.5	5.4	5.4	10.0	5.4	8	8	94						94	91	91	<0.2	<0.2	0.7	0.7
IM1	Cloudy	Moderate	11:04	7.5	Surface	1.0	0.1	217	27.1	8.0	8.0	32.2	32.2	93.3	93.3	6.2	6.2	13.0	6.2	12	12	88	88	91	818364	806475	<0.2	<0.2	0.3	0.3					
						1.0	0.1	229	27.1	27.1	8.0	8.0	32.2	32.2	93.3	93.3	6.2	6.2	13.0	6.2	11	11	89						89	0.4	0.4				
					Middle	3.8	0.2	197	27.1	27.1	8.0	8.0	32.2	32.2	93.1	93.1	6.2	6.2	14.1	6.2	13	13	91						91	<0.2	<0.2	0.3	0.3		
						3.8	0.2	211	27.1	27.1	8.0	8.0	32.2	32.2	93.1	93.1	6.2	6.2	14.1	6.2	13	13	91						91	<0.2	<0.2	0.4	0.4		
					Bottom	6.5	0.1	193	27.1	27.1	8.0	8.0	32.1	32.1	95.0	95.0	6.3	6.3	15.3	6.3	13	13	92						92	91	91	<0.2	<0.2	0.3	0.3
						6.5	0.1	202	27.1	27.1	8.0	8.0	32.1	32.1	95.0	95.0	6.3	6.3	15.3	6.3	14	14	93						93	91	91	<0.2	<0.2	0.3	0.3
IM2	Cloudy	Moderate	11:10	8.7	Surface	1.0	0.2	181	27.1	8.0	8.0	32.2	32.2	93.4	93.4	6.2	6.2	15.1	6.2	16	16	89	89	91	818853	806175	<0.2	<0.2	0.3	0.3					
						1.0	0.2	189	27.1	27.1	8.0	8.0	32.2	32.2	93.4	93.4	6.2	6.2	15.1	6.2	15	15	88						88	0.3	0.3				
					Middle	4.4	0.3	174	27.1	27.1	8.0	8.0	32.2	32.2	93.5	93.5	6.2	6.2	19.4	6.2	14	14	92						92	<0.2	<0.2	0.3	0.3		
						4.4	0.3	188	27.1	27.1	8.0	8.0	32.2	32.2	93.5	93.5	6.2	6.2	19.4	6.2	14	14	91						91	<0.2	<0.2	0.3	0.3		
					Bottom	7.7	0.2	192	27.1	27.1	8.0	8.0	32.2	32.2	95.4	95.4	6.3	6.3	19.2	6.3	16	16	93						93	91	91	<0.2	<0.2	0.3	0.3
						7.7	0.3	203	27.1	27.1	8.0	8.0	32.2	32.2	95.4	95.4	6.3	6.3	19.2	6.3	16	16	94						94	91	91	<0.2	<0.2	0.3	0.3
IM3	Cloudy	Moderate	11:20	8.7	Surface	1.0	0.3	190	27.1	8.0	8.0	32.2	32.2	93.2	93.2	6.2	6.2	16.6	6.2	14	14	88	88	91	819397	806021	<0.2	<0.2	0.4	0.4					
						1.0	0.3	203	27.1	27.1	8.0	8.0	32.2	32.2	93.2	93.2	6.2	6.2	16.6	6.2	16	16	88						88	0.5	0.5				
					Middle	4.4	0.2	185	27.1	27.1	8.0	8.0	32.2	32.2	92.9	92.9	6.2	6.2	18.0	6.2	16	16	91						91	<0.2	<0.2	0.4	0.4		
						4.4	0.2	190	27.1	27.1	8.0	8.0	32.2	32.2	92.9	92.9	6.2	6.2	18.0	6.2	15	15	91						91	<0.2	<0.2	0.3	0.3		
					Bottom	7.7	0.2	193	27.1	27.1	8.0	8.0	32.2	32.2	92.9	92.9	6.2	6.2	20.9	6.2	16	16	94						94	91	91	<0.2	<0.2	0.3	0.3
						7.7	0.2	198	27.1	27.1	8.0	8.0	32.2	32.2	92.9	92.9	6.2	6.2	20.9	6.2	16	16	93						93	91	91	<0.2	<0.2	0.3	0.3
IM4	Cloudy	Moderate	11:28	8.1	Surface	1.0	0.4	190	27.1	8.0	8.0	32.2	32.2	93.4	93.4	6.2	6.2	15.5	6.2	14	14	87	87	90	819582	805021	<0.2	<0.2	0.6	0.6					
						1.0	0.4	200	27.1	27.1	8.0	8.0	32.2	32.2	93.4	93.4	6.2	6.2	15.5	6.2	13	13	87						87	0.4	0.4				
					Middle	4.1	0.3	186	27.1	27.1	8.0	8.0	32.2	32.2	93.1	93.1	6.2	6.2	16.8	6.2	15	15	90						90	<0.2	<0.2	0.3	0.3		
						4.1	0.3	187	27.1	27.1	8.0	8.0	32.2	32.2	93.1	93.1	6.2	6.2	16.8	6.2	14	14	90						90	<0.2	<0.2	0.5	0.5		
					Bottom	7.1	0.3	184	27.1	27.1	8.0	8.0	32.2	32.2	93.8	93.8	6.2	6.2	31.3	6.2	18	18	94						94	91	91	<0.2	<0.2	0.3	0.3
						7.1	0.4	197	27.1	27.1	8.0	8.0	32.2	32.2	93.8	93.8	6.2	6.2	31.3	6.2	19	19	93						93	91	91	<0.2	<0.2	0.4	0.4
IM5	Cloudy	Moderate	11:48	7.0	Surface	1.0	0.6	187	27.0	8.0	8.0	32.2	32.2	95.7	95.7	6.4	6.4	16.7	6.4	25	25	87	87	89	820554	804941	<0.2	<0.2	0.4	0.4					
						1.0	0.6	190	27.0	27.0	8.0	8.0	32.2	32.2	95.7	95.7	6.4	6.4	16.7	6.4	24	24	87						87	0.3	0.3				
					Middle	3.5	0.5	189	26.9	26.9	8.0	8.0	32.2	32.2	97.4	97.4	6.5	6.5	21.0	6.5	23	23	88						88	<0.2	<0.2	0.3	0.3		
						3.5	0.5	203	26.9	26.9	8.0	8.0	32.2	32.2	97.4	97.4	6.5	6.5	20.8	6.5	23	23	89						89	<0.2	<0.2	0.3	0.3		
					Bottom	6.0	0.5	185	27.0	27.0	8.0	8.0	32.1	32.1	96.0	96.0	6.4	6.4	25.3	6.4	29	29	92						92	91	91	<0.2	<0.2	0.3	0.3
						6.0	0.5	186	27.0	27.0	8.0	8.0	32.1	32.1	96.0	96.0	6.4	6.4	25.4	6.4	28	28	91						91	91	91	<0.2	<0.2	0.3	0.3
IM6	Cloudy	Moderate	11:59	7.0	Surface																														

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 October 17 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
C1	Cloudy	Moderate	17:23	8.2	Surface	1.0	0.6	44	27.1	8.0	8.0	32.2	32.2	93.9	93.9	6.2	6.2	12.9	6.2	13	13	88	92	815612	804228	<0.2	<0.2	0.4	0.4			
						1.0	0.6	44	27.1	8.0	8.0	32.2	32.2	93.9	93.9	6.2	6.2	12.9	6.2	11	11	89	91	88	92	<0.2	<0.2	0.3	0.3			
					Middle	4.1	0.5	44	27.1	27.1	8.0	8.0	32.2	32.2	93.3	93.3	6.2	6.2	23.7	6.2	23.4	6.2	13	13	91	91	815612	804228	<0.2	<0.2	0.4	0.4
						4.1	0.5	46	27.1	27.1	8.0	8.0	32.2	32.2	93.3	93.3	6.2	6.2	23.4	6.2	23.4	6.2	13	13	91	91	815612	804228	<0.2	<0.2	0.3	0.3
					Bottom	7.2	0.5	45	27.1	27.1	8.0	8.0	32.2	32.2	95.0	95.0	6.3	6.3	29.4	6.3	29.4	6.3	15	15	95	95	815612	804228	<0.2	<0.2	0.4	0.4
						7.2	0.5	47	27.1	27.1	8.0	8.0	32.2	32.2	95.1	95.1	6.3	6.3	29.2	6.3	29.2	6.3	14	14	95	95	815612	804228	<0.2	<0.2	0.4	0.4
C2	Cloudy	Moderate	16:12	11.4	Surface	1.0	0.3	184	27.4	7.9	7.9	29.1	29.1	91.3	91.3	6.1	6.1	8.0	6.1	10	10	89	91	825670	806926	<0.2	<0.2	1.1	1.1			
						1.0	0.4	191	27.4	7.9	7.9	29.1	29.1	91.2	91.3	6.1	6.1	8.1	6.1	9	9	89	91	825670	806926	<0.2	<0.2	1.0	1.0			
					Middle	5.7	0.2	220	27.5	27.5	7.9	7.9	30.7	30.7	89.6	89.6	6.0	6.0	15.0	6.0	15.2	6.0	11	11	91	91	825670	806926	<0.2	<0.2	1.0	1.0
						5.7	0.2	228	27.5	27.5	7.9	7.9	30.7	30.7	89.5	89.5	6.0	6.0	15.2	6.0	15.2	6.0	10	10	91	91	825670	806926	<0.2	<0.2	0.8	0.8
					Bottom	10.4	0.2	257	27.5	27.5	7.9	7.9	30.8	30.8	89.2	89.2	5.9	5.9	16.6	5.9	16.6	5.9	10	10	93	93	825670	806926	<0.2	<0.2	0.8	0.8
						10.4	0.2	276	27.5	27.5	7.9	7.9	30.7	30.7	89.2	89.2	5.9	5.9	16.4	5.9	16.4	5.9	11	11	94	94	825670	806926	<0.2	<0.2	0.8	0.8
C3	Rainy	Moderate	18:09	12.1	Surface	1.0	0.4	262	27.8	7.9	7.9	31.8	31.8	88.5	88.5	5.8	5.8	3.9	5.8	8	8	89	91	822096	817795	<0.2	<0.2	0.4	0.4			
						1.0	0.4	263	27.8	7.9	7.9	31.8	31.8	88.4	88.5	5.8	5.8	4.3	5.8	8	8	89	91	822096	817795	<0.2	<0.2	0.4	0.4			
					Middle	6.1	0.4	259	28.0	28.0	7.9	7.9	31.9	31.9	86.3	86.3	5.7	5.7	23.9	5.7	24.0	5.7	7	7	91	91	822096	817795	<0.2	<0.2	0.4	0.4
						6.1	0.5	264	28.0	28.0	7.9	7.9	31.9	31.9	86.2	86.3	5.7	5.7	24.0	5.7	24.0	5.7	8	8	92	92	822096	817795	<0.2	<0.2	0.4	0.4
					Bottom	11.1	0.3	267	28.0	28.0	7.9	7.9	31.9	31.9	85.5	85.4	5.6	5.6	25.2	5.6	25.2	5.6	27	27	93	93	822096	817795	<0.2	<0.2	0.4	0.4
						11.1	0.3	274	28.0	28.0	7.9	7.9	31.9	31.9	85.3	85.4	5.6	5.6	25.2	5.6	25.2	5.6	28	28	94	94	822096	817795	<0.2	<0.2	0.4	0.4
IM1	Cloudy	Moderate	17:01	7.4	Surface	1.0	0.4	11	27.1	27.1	8.0	8.0	31.7	31.7	92.8	92.8	6.2	6.2	13.0	6.2	12	12	89	91	818356	806438	<0.2	<0.2	0.4	0.4		
						1.0	0.5	11	27.1	27.1	8.0	8.0	31.7	31.7	92.8	92.8	6.2	6.2	13.0	6.2	14	14	89	91	818356	806438	<0.2	<0.2	0.4	0.4		
					Middle	3.7	0.4	18	27.1	27.1	8.0	8.0	31.8	31.8	92.7	92.7	6.2	6.2	16.1	6.2	16.1	6.2	13	13	91	91	818356	806438	<0.2	<0.2	0.4	0.4
						3.7	0.4	18	27.1	27.1	8.0	8.0	31.8	31.8	92.7	92.7	6.2	6.2	16.1	6.2	15	15	91	91	818356	806438	<0.2	<0.2	0.4	0.4		
					Bottom	6.4	0.4	26	27.0	27.0	8.0	8.0	31.8	31.8	94.5	94.5	6.3	6.3	32.4	6.3	32.4	6.3	15	15	94	94	818356	806438	<0.2	<0.2	0.4	0.4
						6.4	0.4	27	27.0	27.0	8.0	8.0	31.8	31.8	94.5	94.5	6.3	6.3	32.4	6.3	32.4	6.3	14	14	94	94	818356	806438	<0.2	<0.2	0.4	0.4
IM2	Cloudy	Moderate	16:55	8.1	Surface	1.0	0.2	15	27.1	27.1	8.0	8.0	32.0	32.0	92.6	92.6	6.2	6.2	11.2	6.2	10	10	91	93	818842	806196	<0.2	<0.2	0.4	0.4		
						1.0	0.2	16	27.1	27.1	8.0	8.0	32.0	32.0	92.6	92.6	6.2	6.2	11.4	6.2	11.4	6.2	10	10	92	92	818842	806196	<0.2	<0.2	0.4	0.4
					Middle	4.1	0.2	358	27.1	27.1	8.0	8.0	32.1	32.1	91.7	91.8	6.1	6.1	18.2	6.1	18.2	6.1	9	9	92	93	818842	806196	<0.2	0.2	0.5	0.5
						4.1	0.2	329	27.1	27.1	8.0	8.0	32.1	32.1	91.8	91.8	6.1	6.1	18.2	6.1	18.2	6.1	10	10	92	93	818842	806196	<0.2	<0.2	0.4	0.4
					Bottom	7.1	0.2	-	27.1	27.1	8.0	8.0	32.1	32.1	94.3	94.4	6.3	6.3	21.1	6.3	21.1	6.3	10	10	93	93	818842	806196	0.4	0.4	0.6	0.6
						7.1	0.2	-	27.1	27.1	8.0	8.0	32.1	32.1	94.4	94.4	6.3	6.3	21.0	6.3	21.0	6.3	10	10	94	94	818842	806196	<0.2	<0.2	0.4	0.4
IM3	Cloudy	Moderate	16:47	8.0	Surface	1.0	0.2	292	27.0	27.0	8.0	8.0	31.6	31.7	93.9	93.9	6.3	6.3	15.2	6.3	15	15	91	92	819426	806016	<0.2	<0.2	0.5	0.5		
						1.0	0.2	302	27.0	27.0	8.0	8.0	31.7	31.7	93.9	93.9	6.3	6.3	15.2	6.3	15	15	91	91	819426	806016	<0.2	<0.2	0.5	0.5		
					Middle	4.0	0.2	307	26.9	26.9	8.0	8.0	31.7	31.7	93.7	93.7	6.3	6.3	18.9	6.3	19.0	6.3	17	17	92	92	819426	806016	<0.2	<0.2	0.6	0.6
						4.0	0.2	312	26.9	26.9	8.0	8.0	31.7	31.7	93.7	93.7	6.3	6.3	19.0	6.3	19.0	6.3	17	17	92	92	819426	806016	<0.2	<0.2	0.6	0.6
					Bottom	7.0	0.2	306	27.0	27.0	8.0	8.0	31.8	31.8	94.3	94.4	6.3	6.3	33.7	6.3	33.7	6.3	18	18	93	93	819426	806016	<0.2	<0.2	0.5	0.5
						7.0	0.2	318	27.0	27.0	8.0	8.0	31.8	31.8	94.4	94.4	6.3	6.3	32.9	6.3	32.9	6.3	17	17	93	93	819426	806016	<0.2	<0.2	0.6	0.6
IM4	Cloudy	Moderate	16:38	7.5	Surface	1.0	0.3	307	27.1	27.1	8.0	8.0	31.6	31.6	92.5	92.5	6.2	6.2	19.7	6.2	15	15	91	91	819571	805028	<0.2	<0.2	0.6	0.6		
						1.0	0.3	326	27.1	27.1	8.0	8.0	31.6	31.6	92.5	92.5	6.2	6.2	19.8	6.2	19.8	6.2	16	16	92	92	819571	805028	<0.2	<0.2	0.5	0.5
					Middle	3.8	0.3	315	27.1	27.1	8.0	8.0	31.6	31.6	92.4	92.4	6.2	6.2	21.9	6.2	21.9	6.2	19	19	93	94	819571	805028	<0.2	<0.2	0.4	0.4
						3.8	0.3	319	27.1	27.1	8.0	8.0	31.6	31.6	92.4	92.4	6.2	6.2	21.9	6.2	21.9	6.2	17	17	94	94	819571	805028	<0.2	<0.2	0.4	0.4
					Bottom	6.5	0.3	312	27.1	27.1	8.0	8.0	31.6	31.6	92.4	92.4	6.2	6.2	24.4	6.2	24.4	6.2	18	18	93	93	819571	805028	<0.2	<0.2	0.5	0.5
						6.5	0.3	330	27.1	27.1	8.0	8.0	31.6	31.6	92.4	92.4	6.2	6.2	24.5	6.2	24.5	6.2	18	18	92	92	819571	805028	<0.2	<0.2	0.4	0.4
IM5	Cloudy	Moderate	16:26	6.6	Surface	1.0	0.4	311	27.2	27.2	8.0	8.0	31.4	31.4	93.3	93.3	6.2	6.2	16.5	6.2	17	17	91	91	820577	804907	<0.2	<0.2	0.6	0.6		
						1.0	0.4	336	27.2	27.2	8.0	8.0																				

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

Water Quality Monitoring

Water Quality Monitoring Results on 17 October 17 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	16:44	7.1	Surface	1.0	0.1	282	27.6	7.9	7.9	31.2	31.2	91.5	91.5	6.1	6.1	8.0	6.1	10	87	89	89	822110	808801	<0.2	<0.2	0.4	0.5							
						1.0	0.1	286	27.6	7.9	7.9	31.2	31.2	91.5	91.5	6.1	6.1	8.1	6.1	9	87	89	89	822110	808801	<0.2	<0.2	0.5	0.5							
					Middle	3.6	0.2	285	27.6	7.9	7.9	31.2	31.2	90.3	90.2	6.0	6.0	11.7	6.0	8	89	89	89	822110	808801	<0.2	<0.2	0.4	0.5							
						3.6	0.2	298	27.6	7.9	7.9	31.2	31.2	90.1	90.2	6.0	6.0	12.3	6.0	9	89	89	89	822110	808801	<0.2	<0.2	0.6	0.6							
					Bottom	6.1	0.1	299	27.6	7.9	7.9	31.4	31.4	87.9	87.8	5.8	5.8	16.5	5.8	10	91	91	91	822110	808801	<0.2	<0.2	0.6	0.5							
						6.1	0.1	305	27.6	7.9	7.9	31.4	31.4	87.6	87.8	5.8	5.8	16.5	5.8	9	91	91	91	822110	808801	<0.2	<0.2	0.5	0.5							
IM10	Cloudy	Moderate	16:53	7.7	Surface	1.0	0.4	305	27.4	7.9	7.9	31.4	31.4	91.4	91.4	6.1	6.1	16.5	6.1	14	87	89	89	822232	809847	<0.2	<0.2	0.5	0.6							
						1.0	0.5	314	27.4	7.9	7.9	31.4	31.4	91.4	91.4	6.1	6.1	16.5	6.1	15	87	89	89	822232	809847	<0.2	<0.2	0.5	0.5							
					Middle	3.9	0.4	298	27.4	7.9	7.9	31.4	31.4	90.6	90.6	6.0	6.0	18.6	6.0	15	89	89	89	822232	809847	<0.2	<0.2	0.5	0.5							
						3.9	0.5	325	27.4	7.9	7.9	31.4	31.4	90.5	90.6	6.0	6.0	18.7	6.0	15	89	89	89	822232	809847	<0.2	<0.2	0.8	0.5							
					Bottom	6.7	0.4	310	27.4	7.9	7.9	31.4	31.4	88.8	88.7	5.9	5.9	23.0	5.9	19	91	91	91	822232	809847	<0.2	<0.2	0.5	0.5							
						6.7	0.4	339	27.4	7.9	7.9	31.4	31.4	88.6	88.7	5.9	5.9	22.6	5.9	18	91	91	91	822232	809847	<0.2	<0.2	0.5	0.5							
IM11	Cloudy	Moderate	17:06	7.4	Surface	1.0	0.5	300	27.2	8.0	8.0	31.5	31.5	92.8	92.8	6.2	6.2	20.8	6.2	16	88	89	91	821507	810530	<0.2	<0.2	0.5	0.4							
						1.0	0.5	318	27.2	8.0	8.0	31.5	31.5	92.8	92.8	6.2	6.2	20.9	6.2	16	89	91	91	821507	810530	<0.2	<0.2	0.4	0.5							
					Middle	3.7	0.4	292	27.2	8.0	8.0	31.5	31.5	92.7	92.8	6.2	6.2	21.0	6.2	22	91	91	91	821507	810530	<0.2	<0.2	0.5	0.5							
						3.7	0.4	319	27.2	8.0	8.0	31.5	31.5	92.8	92.8	6.2	6.2	21.3	6.2	23	91	91	91	821507	810530	<0.2	<0.2	0.4	0.5							
					Bottom	6.4	0.4	293	27.2	8.0	8.0	31.5	31.5	93.3	93.4	6.2	6.2	25.6	6.2	22	94	94	94	821507	810530	<0.2	<0.2	0.4	0.4							
						6.4	0.4	311	27.2	8.0	8.0	31.5	31.5	93.4	93.4	6.2	6.2	25.5	6.2	24	94	94	94	821507	810530	<0.2	<0.2	0.4	0.4							
IM12	Cloudy	Moderate	17:16	8.3	Surface	1.0	0.6	271	27.4	8.0	8.0	31.4	31.4	90.7	90.7	6.0	6.0	20.0	6.0	18	89	89	92	821147	811513	<0.2	<0.2	0.4	0.5							
						1.0	0.7	293	27.4	8.0	8.0	31.4	31.4	90.6	90.6	6.0	6.0	20.0	6.0	17	89	89	92	821147	811513	<0.2	<0.2	0.5	0.5							
					Middle	4.2	0.5	276	27.4	8.0	8.0	31.5	31.5	90.3	90.3	6.0	6.0	23.4	6.0	19	92	92	92	821147	811513	<0.2	<0.2	0.4	0.5							
						4.2	0.5	278	27.4	8.0	8.0	31.5	31.5	90.3	90.3	6.0	6.0	23.4	6.0	19	92	92	92	821147	811513	<0.2	<0.2	0.5	0.4							
					Bottom	7.3	0.4	281	27.3	8.0	8.0	31.6	31.6	89.7	89.7	6.0	6.0	24.3	6.0	21	93	94	94	821147	811513	<0.2	<0.2	0.5	0.5							
						7.3	0.4	284	27.3	8.0	8.0	31.6	31.6	89.6	89.7	6.0	6.0	24.6	6.0	20	94	94	94	821147	811513	<0.2	<0.2	0.5	0.5							
SR2	Rainy	Moderate	17:44	5.3	Surface	1.0	0.1	347	27.6	7.9	7.9	31.6	31.6	88.9	88.9	5.9	5.9	21.3	5.9	23	88	89	90	821457	814177	<0.2	<0.2	0.4	0.4							
						1.0	0.1	351	27.6	7.9	7.9	31.6	31.6	88.8	88.8	5.9	5.9	21.0	5.9	21	89	89	90	821457	814177	<0.2	<0.2	0.4	0.4							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	4.3	0.1	343	27.6	7.9	7.9	31.5	31.5	85.3	85.3	5.6	5.6	22.8	5.6	21	91	91	91	821457	814177	<0.2	<0.2	0.6	0.5							
						4.3	0.1	316	27.6	7.9	7.9	31.5	31.5	85.2	85.3	5.6	5.6	22.8	5.6	21	91	91	91	821457	814177	<0.2	<0.2	0.6	0.5							
SR3	Cloudy	Moderate	16:30	8.8	Surface	1.0	0.3	211	27.5	7.9	7.9	30.3	30.3	90.4	90.4	6.0	6.0	7.8	6.0	7	-	-	-	822130	807581	-	-	-	-							
						1.0	0.3	213	27.5	7.9	7.9	30.3	30.3	90.3	90.3	6.0	6.0	7.9	6.0	8	-	-	-	822130	807581	-	-	-	-							
					Middle	4.4	0.2	236	27.5	7.9	7.9	30.7	30.7	89.3	89.2	5.9	5.9	9.7	5.9	8	-	-	-	822130	807581	-	-	-	-							
						4.4	0.2	249	27.5	7.9	7.9	30.7	30.7	89.1	89.1	5.9	5.9	9.8	5.9	8	-	-	-	822130	807581	-	-	-	-							
					Bottom	7.8	0.3	270	27.5	7.9	7.9	30.8	30.8	85.9	85.6	5.7	5.7	13.0	5.7	11	-	-	-	822130	807581	-	-	-	-							
						7.8	0.3	286	27.5	7.9	7.9	30.8	30.8	85.2	85.2	5.7	5.7	13.0	5.7	13	-	-	-	822130	807581	-	-	-	-							
SR4A	Cloudy	Calm	17:41	8.2	Surface	1.0	0.1	259	27.1	7.9	7.9	30.2	30.2	90.0	90.0	6.1	6.1	17.1	6.1	14	-	-	-	817204	807814	-	-	-	-							
						1.0	0.1	270	27.1	7.9	7.9	30.2	30.2	90.0	90.0	6.1	6.1	17.1	6.1	15	-	-	-	817204	807814	-	-	-	-							
					Middle	4.1	0.1	266	27.1	7.9	7.9	30.2	30.2	90.1	90.1	6.1	6.1	18.7	6.1	14	-	-	-	817204	807814	-	-	-	-							
						4.1	0.1	290	27.1	7.9	7.9	30.2	30.2	90.1	90.1	6.1	6.1	18.9	6.1	15	-	-	-	817204	807814	-	-	-	-							
					Bottom	7.2	0.1	277	27.1	7.9	7.9	30.4	30.4	91.7	91.7	6.2	6.2	20.5	6.2	18	-	-	-	817204	807814	-	-	-	-							
						7.2	0.1	287	27.1	7.9	7.9	30.4	30.4	91.7	91.7	6.2	6.2	20.7	6.2	18	-	-	-	817204	807814	-	-	-	-							
SR5A	Cloudy	Calm	17:59	4.7	Surface	1.0	0.2	297	27.2	7.9	7.9	30.2	30.2	90.3	90.4	6.1	6.1	9.2	6.1	6	-	-	-	816579	810710	-	-	-	-							
						1.0	0.2	305	27.2	7.9	7.9	30.2	30.2	90.4	90.4	6.1	6.1	9.3	6.1	6	-	-	-	816579	810710	-	-	-	-							
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.7	0.1	305	27.2	7.9	7.9	30.4	30.4	93.7	93.8	6.3	6.3	12.4	6.3	11	-	-	-	816579	810710	-	-	-	-							
						3.7	0.2	322	27.2	7.9	7.9	30.4	30.4	93.9	93.8	6.3	6.3	12.5	6.3	10	-	-	-	816579	810710	-	-	-	-							
SR6	Cloudy	Calm	18:23	4.5	Surface	1.0	0.1	223	27.3	7.9	7.9	31.4	31.4	90.9	90.9	6.0	6.																			

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 October 17 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	12:24	7.6	Surface	1.0	0.5	182	27.2	8.0	8.0	32.1	32.1	94.1	94.1	6.2	6.2	12.8	6.2	11	94	94	94	94	815619	804229	<0.2	0.5	<0.2	0.4		
						1.0	0.5	200	27.2	8.0	8.0	32.1	32.1	94.1	94.1	6.2	6.2	12.8	6.2	12	94	94	94	94	94	94	815619	804229	<0.2	0.4	<0.2	0.4
					Middle	3.8	0.5	179	27.2	8.0	8.0	32.2	32.2	93.9	93.9	6.2	6.2	13.5	6.2	13.6	6.2	13	94	94	94	94	815619	804229	<0.2	0.4	<0.2	0.4
						3.8	0.5	179	27.2	8.0	8.0	32.2	32.2	93.9	93.9	6.2	6.2	13.6	6.2	13.6	6.2	13	94	94	94	94	815619	804229	<0.2	0.4	<0.2	0.4
					Bottom	6.6	0.4	185	27.3	8.0	8.0	32.3	32.3	95.6	95.9	6.3	6.3	14.8	6.3	14.8	6.3	15	97	97	97	97	815619	804229	<0.2	0.4	<0.2	0.4
						6.6	0.4	195	27.3	8.0	8.0	32.3	32.3	96.1	95.9	6.4	6.4	14.7	6.4	14.7	6.4	14	97	97	97	97	815619	804229	<0.2	0.4	<0.2	0.4
C2	Cloudy	Moderate	13:52	11.6	Surface	1.0	0.7	171	27.6	7.9	7.9	31.0	31.0	92.4	92.4	6.1	6.1	9.1	6.1	8	96	96	96	96	825697	806937	<0.2	0.7	<0.2	0.8		
						1.0	0.8	178	27.6	7.9	7.9	31.0	31.0	92.4	92.4	6.1	6.1	9.1	6.1	7	96	96	96	96	825697	806937	<0.2	0.8	<0.2	0.8		
					Middle	5.8	0.7	174	27.5	7.9	7.9	31.0	31.0	91.8	91.8	6.1	6.1	16.4	6.1	16.4	6.1	8	98	98	98	98	825697	806937	<0.2	0.8	<0.2	0.8
						5.8	0.7	179	27.5	7.9	7.9	31.0	31.0	91.8	91.8	6.1	6.1	16.4	6.1	16.4	6.1	8	98	98	98	98	825697	806937	<0.2	0.8	<0.2	0.8
					Bottom	10.6	0.5	162	27.4	7.9	7.9	31.4	31.4	91.9	91.9	6.1	6.1	56.5	6.1	56.5	6.1	11	99	99	99	99	825697	806937	<0.2	0.6	<0.2	0.6
						10.6	0.6	174	27.4	7.9	7.9	31.4	31.4	91.9	91.9	6.1	6.1	56.5	6.1	56.5	6.1	12	100	100	100	100	825697	806937	<0.2	0.8	<0.2	0.8
C3	Cloudy	Moderate	11:35	13.1	Surface	1.0	0.2	95	28.0	7.9	7.9	31.9	31.9	85.3	85.3	5.6	5.6	4.7	5.6	6	97	97	97	97	822122	817813	<0.2	0.4	<0.2	0.4		
						1.0	0.2	98	28.0	7.9	7.9	31.9	31.9	85.3	85.3	5.6	5.6	4.7	5.6	7	97	97	97	97	822122	817813	<0.2	0.4	<0.2	0.4		
					Middle	6.6	0.3	80	27.9	7.9	7.9	31.8	31.8	84.8	84.8	5.6	5.6	5.5	5.6	5.5	5.6	6	100	100	100	100	822122	817813	<0.2	0.5	<0.2	0.5
						6.6	0.3	80	27.9	7.9	7.9	31.8	31.8	84.8	84.8	5.6	5.6	5.5	5.6	5.5	5.6	6	100	100	100	100	822122	817813	<0.2	0.5	<0.2	0.5
					Bottom	12.1	0.3	84	27.9	7.9	7.9	31.8	31.8	85.1	85.1	5.6	5.6	9.4	5.6	9.4	5.6	9	105	105	105	105	822122	817813	<0.2	0.5	<0.2	0.5
						12.1	0.3	84	27.9	7.9	7.9	31.8	31.8	85.1	85.1	5.6	5.6	9.4	5.6	9.4	5.6	9	105	105	105	105	822122	817813	<0.2	0.5	<0.2	0.5
IM1	Cloudy	Moderate	12:46	8.6	Surface	1.0	0.4	170	27.2	8.0	8.0	32.0	32.0	93.6	93.6	6.2	6.2	9.1	6.2	9	102	102	102	102	818355	806446	<0.2	0.5	<0.2	0.5		
						1.0	0.4	170	27.2	8.0	8.0	32.0	32.0	93.6	93.6	6.2	6.2	9.4	6.2	9.4	6.2	7	102	102	102	102	818355	806446	<0.2	0.5	<0.2	0.5
					Middle	4.3	0.3	171	27.2	8.0	8.0	32.2	32.2	93.2	93.2	6.2	6.2	13.7	6.2	13.7	6.2	9	100	100	100	100	818355	806446	<0.2	0.4	<0.2	0.4
						4.3	0.3	183	27.2	8.0	8.0	32.2	32.2	93.2	93.2	6.2	6.2	13.6	6.2	13.6	6.2	8	101	101	101	101	818355	806446	<0.2	0.5	<0.2	0.5
					Bottom	7.6	0.2	180	27.2	8.0	8.0	32.3	32.3	94.4	94.7	6.3	6.3	15.9	6.3	15.9	6.3	15	99	99	99	99	818355	806446	<0.2	0.5	<0.2	0.5
						7.6	0.2	189	27.2	8.0	8.0	32.3	32.3	94.9	94.7	6.3	6.3	15.8	6.3	15.8	6.3	13	99	99	99	99	818355	806446	<0.2	0.5	<0.2	0.5
IM2	Cloudy	Moderate	12:52	8.8	Surface	1.0	0.4	186	27.2	8.0	8.0	32.3	32.3	93.2	93.2	6.2	6.2	15.2	6.2	13	96	96	96	96	818851	806203	<0.2	0.4	<0.2	0.4		
						1.0	0.4	192	27.2	8.0	8.0	32.3	32.3	93.1	93.2	6.2	6.2	15.5	6.2	15.5	6.2	14	96	96	96	96	818851	806203	<0.2	0.4	<0.2	0.4
					Middle	4.4	0.3	192	27.2	8.0	8.0	32.3	32.3	92.8	92.8	6.2	6.2	18.2	6.2	18.2	6.2	13	93	93	93	93	818851	806203	<0.2	0.4	<0.2	0.4
						4.4	0.3	197	27.2	8.0	8.0	32.3	32.3	92.8	92.8	6.2	6.2	18.9	6.2	18.9	6.2	13	93	93	93	93	818851	806203	<0.2	0.4	<0.2	0.4
					Bottom	7.8	0.3	195	27.2	8.0	8.0	32.3	32.3	93.7	93.9	6.2	6.2	21.5	6.2	21.5	6.2	15	99	99	99	99	818851	806203	<0.2	0.4	<0.2	0.4
						7.8	0.3	209	27.2	8.0	8.0	32.3	32.3	94.0	93.9	6.2	6.2	21.5	6.2	21.5	6.2	15	100	100	100	100	818851	806203	<0.2	0.4	<0.2	0.4
IM3	Cloudy	Moderate	13:00	8.7	Surface	1.0	0.4	192	27.1	8.0	8.0	32.1	32.1	93.9	93.9	6.2	6.2	14.2	6.2	15	101	101	101	101	819429	806008	<0.2	0.4	<0.2	0.4		
						1.0	0.4	196	27.1	8.0	8.0	32.1	32.1	93.9	93.9	6.2	6.2	14.3	6.2	14.3	6.2	16	101	101	101	101	819429	806008	<0.2	0.5	<0.2	0.5
					Middle	4.4	0.4	203	27.2	8.0	8.0	32.2	32.2	93.3	93.4	6.2	6.2	19.9	6.2	19.9	6.2	15	99	99	99	99	819429	806008	<0.2	0.6	<0.2	0.6
						4.4	0.4	207	27.2	8.0	8.0	32.2	32.2	93.4	93.4	6.2	6.2	19.9	6.2	19.9	6.2	16	99	99	99	99	819429	806008	<0.2	0.4	<0.2	0.4
					Bottom	7.7	0.3	202	27.2	8.0	8.0	32.2	32.2	94.0	94.3	6.2	6.2	22.5	6.2	22.5	6.2	16	104	104	104	104	819429	806008	<0.2	0.5	<0.2	0.5
						7.7	0.4	220	27.2	8.0	8.0	32.2	32.2	94.5	94.3	6.3	6.3	22.5	6.3	22.5	6.3	16	104	104	104	104	819429	806008	<0.2	0.5	<0.2	0.5
IM4	Cloudy	Moderate	13:08	7.7	Surface	1.0	0.6	183	27.1	8.0	8.0	32.0	32.0	94.0	94.0	6.3	6.3	17.4	6.3	15	97	97	97	97	819562	805029	<0.2	0.5	<0.2	0.5		
						1.0	0.6	197	27.1	8.0	8.0	32.0	32.0	94.0	94.0	6.3	6.3	17.4	6.3	14	98	98	98	98	819562	805029	<0.2	0.4	<0.2	0.4		
					Middle	3.9	0.5	187	27.1	8.0	8.0	32.0	32.0	93.4	93.4	6.2	6.2	21.7	6.2	21.7	6.2	15	100	100	100	100	819562	805029	<0.2	0.5	<0.2	0.5
						3.9	0.6	193	27.1	8.0	8.0	32.0	32.0	93.4	93.4	6.2	6.2	21.8	6.2	21.8	6.2	15	100	100	100	100	819562	805029	<0.2	0.5	<0.2	0.5
					Bottom	6.7	0.4	186	27.1	8.0	8.0	32.1	32.1	93.0	93.0	6.2	6.2	27.1	6.2	27.1	6.2	18	103	103	103	103	819562	805029	<0.2	0.5	<0.2	0.5
						6.7	0.5	202	27.1	8.0	8.0	32.1	32.1	93.0	93.0	6.2	6.2	27.1	6.2	27.1	6.2	18	103	103	103	103	819562	805029	<0.2	0.5	<0.2	0.5
IM5	Cloudy	Moderate	13:20	6.4	Surface	1.0	0.5	184	27.1	8.0	8.0	31.7	31.7	92.8	92.8	6.2	6.2	11.3	6.2	12	96	96	96	96	820544	804922						

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	13:08	7.4	Surface	1.0	0.5	119	27.3	8.0	8.0	31.8	31.8	93.1	93.1	6.2	6.2	17.3	17.3	16	16	96	96	822086	808804	<0.2	<0.2	0.5	0.5							
						1.0	0.5	126	27.3	27.3	8.0	8.0	31.8	31.8	93.1	93.1	6.2	6.2	17.3	17.3	16	16	96	96	<0.2	<0.2	0.5	0.5								
					Middle	3.7	0.4	126	27.3	27.3	8.0	8.0	31.9	31.9	93.4	93.4	6.2	6.2	24.7	24.7	14	14	98	98	<0.2	<0.2	0.6	0.6								
						3.7	0.5	126	27.3	27.3	8.0	8.0	31.9	31.9	93.4	93.4	6.2	6.2	24.7	24.7	14	14	99	99	<0.2	<0.2	0.5	0.5								
					Bottom	6.4	0.4	106	27.3	27.3	8.0	8.0	31.9	31.9	94.4	94.4	6.3	6.3	24.8	24.8	22	22	99	99	<0.2	<0.2	0.5	0.5								
						6.4	0.4	106	27.3	27.3	8.0	8.0	31.9	31.9	94.4	94.4	6.3	6.3	24.8	24.8	22	22	99	99	<0.2	<0.2	0.5	0.5								
IM10	Cloudy	Moderate	12:59	8.2	Surface	1.0	0.6	107	27.3	8.0	8.0	31.5	31.5	93.7	93.7	6.2	6.2	12.7	12.7	8	8	95	95	822246	809835	<0.2	<0.2	0.6	0.6							
						1.0	0.6	108	27.3	27.3	8.0	8.0	31.5	31.5	93.7	93.7	6.2	6.2	12.7	12.7	8	8	96	96	<0.2	<0.2	0.7	0.7								
					Middle	4.1	0.5	96	27.3	27.3	8.0	8.0	32.0	32.0	93.2	93.2	6.2	6.2	22.1	22.1	9	9	97	97	<0.2	<0.2	0.6	0.6								
						4.1	0.6	98	27.3	27.3	8.0	8.0	32.0	32.0	93.2	93.2	6.2	6.2	22.1	22.1	8	8	97	97	<0.2	<0.2	0.6	0.6								
					Bottom	7.2	0.4	101	27.3	27.3	8.0	8.0	32.1	32.1	93.4	93.4	6.2	6.2	36.6	36.6	44	44	99	99	<0.2	<0.2	0.5	0.5								
						7.2	0.4	110	27.3	27.3	8.0	8.0	32.1	32.1	93.4	93.4	6.2	6.2	36.6	36.6	47	47	100	100	<0.2	<0.2	0.5	0.5								
IM11	Cloudy	Moderate	12:42	7.8	Surface	1.0	0.5	98	27.4	27.4	8.0	8.0	32.1	32.1	94.1	94.1	6.2	6.2	14.5	14.5	13	13	95	95	821509	810531	<0.2	<0.2	0.5	0.5						
						1.0	0.5	107	27.4	27.4	8.0	8.0	32.1	32.1	94.1	94.1	6.2	6.2	14.5	14.5	14	14	96	96	<0.2	<0.2	0.6	0.6								
					Middle	3.9	0.5	100	27.3	27.3	8.0	8.0	32.1	32.1	93.8	93.8	6.2	6.2	22.6	22.6	24	24	97	97	<0.2	<0.2	0.4	0.4								
						3.9	0.5	109	27.3	27.3	8.0	8.0	32.1	32.1	93.8	93.8	6.2	6.2	22.6	22.6	26	26	98	98	<0.2	<0.2	0.4	0.4								
					Bottom	6.8	0.4	100	27.3	27.3	8.0	8.0	32.2	32.2	94.4	94.4	6.2	6.2	28.8	28.8	69	69	101	101	<0.2	<0.2	0.5	0.5								
						6.8	0.4	106	27.3	27.3	8.0	8.0	32.2	32.2	94.4	94.4	6.2	6.2	28.8	28.8	75	75	99	99	<0.2	<0.2	0.4	0.4								
IM12	Cloudy	Moderate	12:31	9.8	Surface	1.0	0.6	96	27.4	27.4	8.0	8.0	31.8	31.8	92.7	92.7	6.1	6.1	16.8	16.8	10	10	96	96	821171	811527	<0.2	<0.2	0.5	0.6						
						1.0	0.6	102	27.4	27.4	8.0	8.0	31.8	31.8	92.7	92.7	6.1	6.1	16.8	16.8	10	10	97	97	<0.2	<0.2	0.5	0.5								
					Middle	4.9	0.5	101	27.4	27.4	8.0	8.0	31.8	31.8	91.6	91.6	6.1	6.1	23.3	23.3	21	21	98	98	<0.2	<0.2	0.6	0.6								
						4.9	0.5	106	27.4	27.4	8.0	8.0	31.8	31.8	91.6	91.6	6.1	6.1	23.3	23.3	20	20	97	97	<0.2	<0.2	0.5	0.5								
					Bottom	8.8	0.4	89	27.4	27.4	8.0	8.0	31.9	31.9	91.4	91.4	6.1	6.1	28.8	28.8	32	32	99	99	<0.2	<0.2	0.6	0.6								
						8.8	0.5	92	27.4	27.4	8.0	8.0	31.9	31.9	91.4	91.4	6.1	6.1	28.8	28.8	33	33	99	99	<0.2	<0.2	0.7	0.7								
SR2	Cloudy	Moderate	12:01	4.6	Surface	1.0	0.3	94	27.6	27.6	7.9	7.9	31.6	31.6	89.6	89.6	5.9	5.9	10.9	10.9	10	10	97	97	821455	814184	<0.2	<0.2	0.6	0.5						
						1.0	0.3	102	27.6	27.6	7.9	7.9	31.6	31.6	89.6	89.6	5.9	5.9	10.9	10.9	8	8	97	97	<0.2	<0.2	0.5	0.5								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98	821455	814184	<0.2	<0.2	0.6	0.6			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.6	0.2	91	27.6	27.6	7.9	7.9	31.6	31.6	90.0	90.0	6.0	6.0	13.0	13.0	12	12	98	98	<0.2	<0.2	0.5	0.5								
						3.6	0.2	98	27.6	27.6	7.9	7.9	31.6	31.6	90.0	90.0	6.0	6.0	13.0	13.0	12	12	99	99	<0.2	<0.2	0.6	0.6								
SR3	Cloudy	Moderate	13:26	8.4	Surface	1.0	0.6	176	27.3	27.3	7.9	7.9	31.3	31.3	94.5	94.5	6.3	6.3	14.2	14.2	14	14	-	-	822137	807571	-	-	-	-						
						1.0	0.7	176	27.3	27.3	7.9	7.9	31.3	31.3	94.5	94.5	6.3	6.3	14.2	14.2	14	14	-	-	-	-	-	-	-	-						
					Middle	4.2	0.5	178	27.3	27.3	7.9	7.9	31.4	31.4	94.5	94.5	6.3	6.3	17.9	17.9	13	13	-	-	-	-	-	-	-	-	-	-				
						4.2	0.5	192	27.3	27.3	7.9	7.9	31.4	31.4	94.5	94.5	6.3	6.3	17.9	17.9	14	14	-	-	-	-	-	-	-	-	-					
					Bottom	7.4	0.3	195	27.3	27.3	7.9	7.9	31.8	31.8	94.5	94.5	6.3	6.3	30.8	30.8	15	15	-	-	-	-	-	-	-	-	-	-				
						7.4	0.3	197	27.3	27.3	7.9	7.9	31.8	31.8	94.5	94.5	6.3	6.3	30.8	30.8	15	15	-	-	-	-	-	-	-	-	-					
SR4A	Cloudy	Moderate	12:05	9.4	Surface	1.0	0.4	66	27.2	27.2	8.0	8.0	32.2	32.2	92.6	92.6	6.1	6.1	15.5	15.5	14	14	-	-	817177	807805	-	-	-	-						
						1.0	0.4	72	27.2	27.2	8.0	8.0	32.2	32.2	92.6	92.6	6.1	6.1	15.6	15.6	13	13	-	-	-	-	-	-	-							
					Middle	4.7	0.3	61	27.1	27.1	8.0	8.0	32.3	32.3	92.2	92.2	6.1	6.1	19.4	19.4	16	16	-	-	-	-	-	-	-	-						
						4.7	0.3	66	27.1	27.1	8.0	8.0	32.3	32.3	92.2	92.2	6.1	6.1	19.4	19.4	16	16	-	-	-	-	-	-	-							
					Bottom	8.4	0.2	61	27.1	27.1	8.0	8.0	32.3	32.3	91.9	91.9	6.1	6.1	22.8	22.8	17	17	-	-	-	-	-	-	-	-						
						8.4	0.2	61	27.1	27.1	8.0	8.0	32.3	32.3	91.9	91.9	6.1	6.1	22.0	22.0	16	16	-	-	-	-	-	-	-							
SR5A	Cloudy	Moderate	11:47	4.0	Surface	1.0	0.1	9	27.2	27.2	7.9	7.9	31.0	31.0	90.4	90.5	6.0	6.0	8.1	8.1	7	7	-	-	816577	810703	-	-	-	-						
						1.0	0.1	9	27.2	27.2	7.9	7.9	31.0	31.0	90.6	90.6	6.1	6.1	8.1	8.1	6	6	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	3.0	0.0	357	27.1	27.1	7.9	7.9	31.0	31.0	95.7	96.5	6.4	6.5	12.1	12.4	7	7	-	-	-	-	-	-	-							
						3.0	0.0	328	27.1	27.1	7.9	7.9	31.0	31.0	97.3	96.5	6.5	6.5	12.4	12.4	6	6	-	-	-	-	-	-								
SR6	Cloudy	Moderate	11:23	4.8	Surface	1.0	0.2	59	27.4	27.4	7.9	7.9	30.4	30.4	89.1	89.0	6.0	6.0	6.3	6.3	6	6	-	-	817908	814678	-	-	-	-						
						1.0	0.2	61	27.4	27.4	7.9	7.9	30.4	30.4	88.9	89.0	5.9	5.9																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 October 17 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	Value	DA	Value	DA
C1	Fine	Moderate	18:13	8.5	Surface	1.0	0.6	61	27.0	8.0	8.0	32.0	32.0	94.0	94.0	6.3	6.3	20.6	21.3	22	21	96	98	815618	804253	<0.2	<0.2	0.6	0.6							
						1.0	0.6	63	27.0	27.0	8.0	8.0	32.0	32.0	94.0	94.0	6.3	6.3	20.6	21.3	22	21	96	98			<0.2	<0.2	0.5	0.6						
						4.3	0.5	43	27.0	27.0	8.0	8.0	32.0	32.0	93.9	93.9	6.3	6.3	21.5	21.4	21	20	99	99			<0.2	<0.2	0.6	0.6						
					4.3	0.5	44	27.0	27.0	8.0	8.0	32.0	32.0	93.9	93.9	6.3	6.3	21.4	21.4	21	20	99	99			<0.2	<0.2	0.8	0.5							
					7.5	0.4	52	27.1	27.1	8.0	8.0	32.2	32.2	94.2	94.2	6.3	6.3	21.7	21.7	20	20	99	99			<0.2	<0.2	0.6	0.6							
					7.5	0.4	53	27.1	27.1	8.0	8.0	32.1	32.2	94.4	94.3	6.3	6.3	21.8	21.8	20	20	100	100			<0.2	<0.2	0.8	0.6							
C2	Fine	Moderate	17:02	11.3	Surface	1.0	0.4	198	27.5	7.9	7.9	29.7	29.7	92.4	92.4	6.2	6.2	7.5	15.5	8	11	95	98	825665	806936	<0.2	<0.2	1.1	1.0							
						1.0	0.4	215	27.5	27.5	7.9	7.9	29.7	29.7	92.4	92.4	6.2	6.2	7.5	15.5	7	11	96	98			<0.2	<0.2	1.0	1.0						
						5.7	0.3	207	27.5	27.5	7.9	7.9	30.3	30.3	90.9	90.9	6.1	6.1	13.9	13.9	8	8	97	98			<0.2	<0.2	1.1	1.0						
					5.7	0.4	210	27.5	27.5	7.9	7.9	30.3	30.3	90.9	90.9	6.1	6.1	13.9	13.9	8	8	98	99			<0.2	<0.2	1.0	1.0							
					10.3	0.2	203	27.5	27.5	7.9	7.9	30.7	30.7	90.4	90.4	6.0	6.0	25.2	25.2	17	18	99	99			<0.2	<0.2	1.0	0.8							
					10.3	0.2	217	27.5	27.5	7.9	7.9	30.7	30.7	90.4	90.4	6.0	6.0	25.2	25.2	18	18	101	101			<0.2	<0.2	0.8	0.8							
C3	Fine	Moderate	18:52	12.3	Surface	1.0	0.6	256	27.9	7.9	7.9	32.0	32.0	85.3	85.3	5.6	5.6	15.7	20.3	11	28	96	99	822105	817792	<0.2	<0.2	0.4	0.4							
						1.0	0.6	266	27.9	27.9	7.9	7.9	32.0	32.0	85.3	85.3	5.6	5.6	15.7	20.3	11	28	97	99			<0.2	<0.2	0.4	0.4						
						6.2	0.5	259	27.9	27.9	7.9	7.9	31.9	31.9	85.1	85.1	5.6	5.6	18.8	18.8	26	28	99	100			<0.2	<0.2	0.4	0.4						
					6.2	0.6	279	27.9	27.9	7.9	7.9	31.9	31.9	85.1	85.1	5.6	5.6	18.8	18.8	28	28	100	100			<0.2	<0.2	0.4	0.4							
					11.3	0.5	262	27.9	27.9	7.9	7.9	31.9	31.9	86.8	86.8	5.7	5.7	26.4	26.4	45	49	102	102			<0.2	<0.2	0.4	0.4							
					11.3	0.5	266	27.9	27.9	7.9	7.9	31.9	31.9	86.8	86.8	5.7	5.7	26.4	26.4	49	49	102	102			<0.2	<0.2	0.4	0.4							
IM1	Fine	Moderate	17:53	7.3	Surface	1.0	0.5	29	27.1	27.1	8.1	8.1	31.9	31.9	94.3	94.3	6.3	6.3	17.4	20.3	18	17	94	97	818369	806474	<0.2	<0.2	0.4	0.5						
						1.0	0.5	30	27.1	27.1	8.1	8.1	31.9	31.9	94.4	94.4	6.3	6.3	17.5	17.5	18	17	95	96			<0.2	<0.2	0.5	0.6						
						3.7	0.4	32	27.1	27.1	8.1	8.1	31.9	31.9	94.6	94.7	6.3	6.3	18.7	18.8	17	16	96	96			<0.2	<0.2	0.6	0.6						
					3.7	0.5	32	27.1	27.1	8.1	8.1	31.9	31.9	94.7	94.7	6.3	6.3	18.8	18.8	16	17	96	99			<0.2	<0.2	0.6	0.6							
					6.3	0.4	29	27.1	27.1	8.0	8.0	32.0	32.0	97.7	97.7	6.5	6.5	24.7	24.7	17	17	99	99			<0.2	<0.2	0.6	0.6							
					6.3	0.4	31	27.1	27.1	8.0	8.0	32.0	32.0	97.7	97.7	6.5	6.5	24.9	24.9	17	17	99	99			<0.2	<0.2	0.5	0.5							
IM2	Fine	Moderate	17:47	8.2	Surface	1.0	0.3	8	27.1	27.1	8.0	8.0	32.1	32.1	93.5	93.6	6.2	6.2	12.7	14.0	12	14	94	96	818849	806200	<0.2	<0.2	0.4	0.5						
						1.0	0.3	8	27.1	27.1	8.0	8.0	32.1	32.1	93.6	93.6	6.2	6.2	12.7	14.0	13	14	94	96			<0.2	<0.2	0.4	0.4						
						4.1	0.3	16	27.1	27.1	8.0	8.0	32.1	32.1	94.0	94.1	6.2	6.2	13.6	13.8	14	15	96	96			<0.2	<0.2	0.7	0.4						
					4.1	0.3	17	27.1	27.1	8.0	8.0	32.1	32.1	94.2	94.2	6.3	6.3	13.8	13.8	15	15	96	98			<0.2	<0.2	0.4	0.4							
					7.2	0.3	14	27.1	27.1	8.0	8.0	32.2	32.2	97.1	97.2	6.5	6.5	15.9	15.9	15	15	98	99			<0.2	<0.2	0.4	0.4							
					7.2	0.3	14	27.1	27.1	8.0	8.0	32.2	32.2	97.2	97.2	6.5	6.5	15.1	15.1	15	15	99	99			<0.2	<0.2	0.4	0.4							
IM3	Fine	Moderate	17:40	8.1	Surface	1.0	0.1	320	27.1	27.1	8.0	8.0	31.7	31.7	93.8	93.8	6.3	6.3	18.8	21.8	20	19	96	99	819417	806033	<0.2	<0.2	0.5	0.6						
						1.0	0.1	326	27.1	27.1	8.0	8.0	31.7	31.7	93.8	93.8	6.3	6.3	18.9	21.8	19	19	97	99			<0.2	<0.2	0.7	0.5						
						4.1	0.2	311	27.2	27.2	8.0	8.0	31.9	31.9	93.7	93.7	6.2	6.2	21.7	21.9	20	18	99	99			<0.2	<0.2	0.6	0.7						
					4.1	0.2	318	27.2	27.2	8.0	8.0	31.9	31.9	93.7	93.7	6.2	6.2	21.9	21.9	18	19	99	101			<0.2	<0.2	0.7	0.6							
					7.1	0.3	299	27.2	27.2	8.0	8.0	31.9	31.9	94.8	95.0	6.3	6.3	24.6	24.6	19	19	101	101			<0.2	<0.2	0.6	0.6							
					7.1	0.3	304	27.2	27.2	8.0	8.0	31.9	31.9	95.1	95.1	6.3	6.3	24.6	24.6	19	19	101	101			<0.2	<0.2	0.6	0.6							
IM4	Fine	Moderate	17:31	7.4	Surface	1.0	0.3	287	27.1	27.1	8.0	8.0	31.5	31.5	92.4	92.4	6.2	6.2	18.3	21.6	18	20	96	99	819582	805036	<0.2	<0.2	0.6	0.7						
						1.0	0.3	313	27.1	27.1	8.0	8.0	31.5	31.5	92.4	92.4	6.2	6.2	18.3	21.6	19	20	97	99			<0.2	<0.2	0.7	0.6						
						3.7	0.3	297	27.1	27.1	8.0	8.0	31.5	31.5	92.4	92.5	6.2	6.2	22.7	22.6	20	21	98	99			<0.2	<0.2	0.6	0.8						
					3.7	0.3	304	27.1	27.1	8.0	8.0	31.5	31.5	92.5	92.5	6.2	6.2	22.6	22.6	21	20	99	101			<0.2	<0.2	0.6	0.6							
					6.4	0.2	306	27.1	27.1	8.0	8.0	31.5	31.5	93.6	93.6	6.2	6.2	23.8	23.8	20	20	101	101			<0.2	<0.2	0.8	0.6							
					6.4	0.3	306	27.1	27.1	8.0	8.0	31.5	31.5	94.2	93.9	6.3	6.3	23.8	23.8	22	22	101	101			<0.2	<0.2	0.8	0.8							
IM5	Fine	Moderate	17:20	6.9	Surface	1.0	0.3	310	27.2	27.2	8.0	8.0	31.4	31.4	92.8	92.8	6.2	6.2	21.2	22.6	17	18	96	99	820567	804908	<0.2	<0.2	0.6	0.6						
						1.0	0.4	327	27.2	27.2	8.0	8.0	31.4	31.4	92.8	92.8	6.2	6.2	21.3	22.4	18	18	96	99			<0.2	<0.2	0.6	0.6						
						3.5	0.3	305	27.2	27.2	8.0	8.0	31.4	31.4	92.8	92.8	6.2	6.2	22.4	22.3	18	19	99	99			<0.2	<0.2	0.6	0.6						
					3.5	0.3	307	27.2	27.2	8.0	8.0	31.4	31.4	92.9	92.9	6.2	6.2	22.3	22.3	19	19	99	100			<0.2	<0.2	0.6	0.6							
					5.9	0.2	309	27.2	27.2	8.0	8.0	31.4	31.4	94.0	94.0	6.3	6.3	24.3	24.3	19	19	100	101			<0.2	<0.2	0.6	0.5							

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	13:17	9.1	Surface	1.0	0.5	47	26.6	26.6	8.0	8.0	32.7	32.7	95.6	95.6	6.4	6.4	13.5	13	96	96	815625	804261	<0.2	<0.2	0.6	0.4								
						1.0	0.5	51	26.6	8.0	8.0	32.7	32.7	95.6	95.6	6.4	6.4	13.5	13	96	96	<0.2	<0.2	0.5	0.4											
					Middle	4.6	0.4	51	26.5	26.5	8.0	8.0	32.7	32.7	95.5	95.6	6.4	6.4	15.0	14	99	99	<0.2	<0.2	0.4	0.4										
						4.6	0.4	53	26.5	26.5	8.0	8.0	32.7	32.7	95.7	95.6	6.4	6.4	15.2	15	99	99	<0.2	<0.2	0.4	0.4										
					Bottom	8.1	0.4	40	26.5	26.5	8.0	8.0	32.7	32.7	97.3	97.6	6.5	6.5	17.1	14	99	99	<0.2	<0.2	0.3	0.4										
						8.1	0.4	41	26.5	26.5	8.0	8.0	32.7	32.7	97.8	97.6	6.5	6.5	17.2	15	100	100	<0.2	<0.2	0.4	0.4										
C2	Sunny	Moderate	12:10	12.3	Surface	1.0	0.4	344	26.9	26.9	7.9	7.9	31.1	31.1	92.0	92.0	6.2	6.2	12.2	14	94	94	825682	806959	<0.2	<0.2	0.6	0.5								
						1.0	0.4	316	26.9	26.9	7.9	7.9	31.1	31.1	92.0	92.0	6.2	6.2	12.2	14	95	95	<0.2	<0.2	0.5	0.5										
					Middle	6.2	0.4	348	26.8	26.8	8.0	8.0	31.3	31.3	91.9	91.9	6.2	6.2	17.8	18	96	96	<0.2	<0.2	0.5	0.5										
						6.2	0.4	320	26.8	26.8	8.0	8.0	31.3	31.3	91.9	91.9	6.2	6.2	17.8	18	96	96	<0.2	<0.2	0.5	0.5										
					Bottom	11.3	0.4	347	26.6	26.6	8.0	8.0	31.6	31.6	91.9	91.9	6.2	6.2	26.8	18	98	98	<0.2	<0.2	0.6	0.6										
						11.3	0.4	319	26.6	26.6	8.0	8.0	31.6	31.6	91.9	91.9	6.2	6.2	26.8	18	99	99	<0.2	<0.2	0.5	0.5										
C3	Sunny	Moderate	13:45	12.1	Surface	1.0	0.5	262	27.8	27.8	7.9	7.9	32.2	32.2	89.3	89.3	5.9	5.9	5.4	5	97	97	822112	817793	<0.2	<0.2	0.3	0.3								
						1.0	0.5	286	27.8	27.8	7.9	7.9	32.2	32.2	89.3	89.3	5.9	5.9	5.4	5	96	96	<0.2	<0.2	0.3	0.3										
					Middle	6.1	0.4	271	27.7	27.7	7.9	7.9	32.1	32.1	90.2	90.2	5.9	5.9	8.6	5	99	99	<0.2	<0.2	0.3	0.3										
						6.1	0.5	294	27.7	27.7	7.9	7.9	32.1	32.1	90.2	90.2	5.9	5.9	8.6	4	100	100	<0.2	<0.2	0.3	0.3										
					Bottom	11.1	0.3	276	27.6	27.6	7.9	7.9	32.0	32.0	93.8	93.8	6.2	6.2	13.1	4	102	102	<0.2	<0.2	0.4	0.4										
						11.1	0.4	278	27.6	27.6	7.9	7.9	32.0	32.0	93.8	93.8	6.2	6.2	13.1	5	101	101	<0.2	<0.2	0.4	0.4										
IM1	Sunny	Moderate	12:59	8.0	Surface	1.0	0.4	14	26.6	26.6	8.0	8.0	32.6	32.6	96.2	96.2	6.4	6.4	13.0	10	94	94	818342	806462	<0.2	<0.2	0.4	0.4								
						1.0	0.4	15	26.6	26.6	8.0	8.0	32.6	32.6	96.2	96.2	6.4	6.4	13.2	10	94	94	<0.2	<0.2	0.5	0.5										
					Middle	4.0	0.4	24	26.6	26.6	8.0	8.0	32.6	32.6	95.9	95.9	6.4	6.4	13.9	13	96	96	<0.2	<0.2	0.3	0.3										
						4.0	0.4	25	26.6	26.6	8.0	8.0	32.6	32.6	95.9	95.9	6.4	6.4	14.1	12	96	96	<0.2	<0.2	0.4	0.4										
					Bottom	7.0	0.5	17	26.5	26.5	8.0	8.0	32.5	32.6	96.9	97.2	6.5	6.5	16.1	13	99	99	<0.2	<0.2	0.3	0.3										
						7.0	0.5	17	26.5	26.5	8.0	8.0	32.6	32.6	97.5	97.2	6.5	6.5	16.4	14	99	99	<0.2	<0.2	0.3	0.3										
IM2	Sunny	Moderate	12:54	8.8	Surface	1.0	0.5	10	26.6	26.6	8.0	8.0	32.6	32.6	95.5	95.5	6.4	6.4	15.6	12	96	96	818858	806193	<0.2	<0.2	0.4	0.4								
						1.0	0.5	10	26.6	26.6	8.0	8.0	32.6	32.6	95.5	95.5	6.4	6.4	15.9	12	96	96	<0.2	<0.2	0.4	0.4										
					Middle	4.4	0.5	8	26.5	26.5	8.0	8.0	32.6	32.6	95.0	95.1	6.4	6.4	20.9	13	98	98	<0.2	<0.2	0.4	0.4										
						4.4	0.5	8	26.5	26.5	8.0	8.0	32.6	32.6	95.1	95.1	6.4	6.4	20.8	12	99	99	<0.2	<0.2	0.4	0.4										
					Bottom	7.8	0.4	15	26.4	26.4	8.0	8.0	32.6	32.6	97.1	97.7	6.5	6.5	24.2	17	101	101	<0.2	<0.2	0.4	0.4										
						7.8	0.4	16	26.4	26.4	8.0	8.0	32.6	32.6	98.3	97.7	6.6	6.6	24.2	18	101	101	<0.2	<0.2	0.3	0.3										
IM3	Sunny	Moderate	12:47	9.3	Surface	1.0	0.5	19	26.7	26.7	8.0	8.0	32.5	32.5	95.9	95.9	6.4	6.4	15.1	12	94	94	819401	806019	<0.2	<0.2	0.5	0.5								
						1.0	0.6	20	26.7	26.7	8.0	8.0	32.5	32.5	95.9	95.9	6.4	6.4	15.4	13	94	94	<0.2	<0.2	0.5	0.5										
					Middle	4.7	0.4	18	26.5	26.5	8.0	8.0	32.6	32.6	95.7	95.7	6.4	6.4	20.7	14	97	97	<0.2	<0.2	0.6	0.6										
						4.7	0.4	18	26.5	26.5	8.0	8.0	32.6	32.6	95.7	95.7	6.4	6.4	21.0	13	97	97	<0.2	<0.2	0.6	0.6										
					Bottom	8.3	0.4	15	26.5	26.6	8.0	8.0	32.5	32.5	97.9	98.3	6.6	6.6	24.3	14	99	99	<0.2	<0.2	0.3	0.3										
						8.3	0.4	15	26.6	26.6	8.0	8.0	32.5	32.5	98.7	98.3	6.6	6.6	24.5	14	99	99	<0.2	<0.2	0.4	0.4										
IM4	Sunny	Moderate	12:39	8.4	Surface	1.0	0.5	4	26.7	26.7	8.0	8.0	32.7	32.7	95.4	95.4	6.4	6.4	15.0	14	94	94	819582	805022	<0.2	<0.2	0.6	0.6								
						1.0	0.5	4	26.7	26.7	8.0	8.0	32.7	32.7	95.4	95.4	6.4	6.4	14.9	15	94	94	<0.2	<0.2	0.5	0.5										
					Middle	4.2	0.5	6	26.5	26.5	8.0	8.0	32.7	32.7	94.5	94.5	6.3	6.3	20.7	16	96	96	<0.2	<0.2	0.6	0.6										
						4.2	0.5	6	26.5	26.5	8.0	8.0	32.7	32.7	94.5	94.5	6.3	6.3	20.5	16	96	96	<0.2	<0.2	0.6	0.6										
					Bottom	7.4	0.4	20	26.5	26.5	8.0	8.0	32.7	32.7	95.2	95.2	6.4	6.4	27.5	16	98	98	<0.2	<0.2	0.7	0.7										
						7.4	0.5	21	26.5	26.5	8.0	8.0	32.7	32.7	95.2	95.2	6.4	6.4	27.3	15	98	98	<0.2	<0.2	0.7	0.7										
IM5	Sunny	Moderate	12:29	7.6	Surface	1.0	0.5	15	26.5	26.5	8.0	8.0	32.5	32.5	94.7	94.7	6.3	6.3	11.4	13	94	94	820552	804913	<0.2	<0.2	0.4	0.4								
						1.0	0.5	16	26.5	26.5	8.0	8.0	32.5	32.5	94.7	94.7	6.3	6.3	11.2	12	95	95	<0.2	<0.2	0.4	0.4										
					Middle	3.8	0.5	20	26.4	26.4	8.0	8.0	32.5	32.5	94.4	94.5	6.3	6.3	17.8	15	99	99	<0.2	<0.2	0.8	0.8										
						3.8	0.6	20	26.4	26.4	8.0	8.0	32.5	32.5	94.5	94.5	6.3	6.3	17.5	14	96	96	<0.2	<0.2	0.4	0.4										
					Bottom	6.6	0.4	16	26.5	26.5	8.0	8.0	32.6	32.6	94.6	94.7	6.3	6.3	21.7	15	99	99	<0.2	<0.2	0.4	0.4										
						6.6	0.4	17	26.5	26.5	8.0	8.0	32.6	32.6	94.7	94.7	6.3	6.3	21.5	15	99	99	<0.2	<0.2	0.4	0.4										
IM6	Sunny	Moderate	12:22	7.6	Surface	1.0	0.3	26	26.5	26.5	8.0	8.0	32.5	32.5	95.6	95.6	6.4	6.4	10.4	15	97	97	821043	805845	<0.2	<0.2	0.8	0.8								
						1.0	0.3	26	26.5	26.5	8.0	8.0	32.5	32.5	95.6	95.6	6.4	6.4	10.4	15	97	97	<0.2	<0.2	0.8	0.8										
					Middle	3.8	0.3	24	26.4	26.4	8.0	8.0	32.5	32.6	95.4	95.8	6.4	6.4	16.2	15	99	99	<0.2	<0.2	0.8	0.8										
						3.8	0.3	26	26.4	26.4	8.0	8.0	32.6	32.6	96.1	96.1	6.4	6.4	16.0	16	99	99	<0.2	<0.2												

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	Value	DA
IM9	Sunny	Moderate	12:39	7.7	Surface	1.0	0.2	341	26.7	8.0	8.0	32.1	32.1	96.2	96.2	6.4	6.4	15.6	6.4	15	15	96	96	822081	808798	<0.2	<0.2	0.5	0.5							
						1.0	0.3	314	26.7	8.0	8.0	32.1	32.1	96.2	96.2	6.4	6.4	15.6	6.4	15	15	95	95	<0.2	<0.2	0.4	0.4									
					Middle	3.9	0.2	332	26.7	26.7	8.0	8.0	32.2	32.2	96.2	96.2	6.4	6.4	18.2	6.4	14	14	97	97	<0.2	<0.2	0.5	0.5								
						3.9	0.3	342	26.7	26.7	8.0	8.0	32.2	32.2	96.2	96.2	6.4	6.4	18.2	6.4	14	14	97	97	<0.2	<0.2	0.6	0.6								
					Bottom	6.7	0.3	329	26.7	26.7	8.0	8.0	32.2	32.2	96.2	96.2	6.6	6.6	32.5	6.6	15	15	99	99	<0.2	<0.2	0.4	0.4								
						6.7	0.3	337	26.7	26.7	8.0	8.0	32.2	32.2	96.2	96.2	6.6	6.6	32.5	6.6	15	15	98	98	<0.2	<0.2	0.5	0.5								
IM10	Sunny	Moderate	12:46	7.7	Surface	1.0	0.6	323	27.0	8.0	8.0	31.9	31.9	94.3	94.3	6.3	6.3	15.1	6.3	16	16	95	95	822257	809844	<0.2	<0.2	0.6	0.6							
						1.0	0.6	334	27.0	27.0	8.0	8.0	31.9	31.9	94.3	94.3	6.3	6.3	15.1	6.3	14	14	96	96	<0.2	<0.2	0.5	0.5								
					Middle	3.9	0.6	320	27.0	27.0	8.0	8.0	32.0	32.0	93.6	93.6	6.2	6.2	16.2	6.2	14	14	97	97	<0.2	<0.2	0.6	0.6								
						3.9	0.6	329	27.0	27.0	8.0	8.0	32.0	32.0	93.6	93.6	6.2	6.2	16.2	6.2	14	14	98	98	<0.2	<0.2	0.5	0.5								
					Bottom	6.7	0.5	316	27.2	27.2	8.0	8.0	32.1	32.1	95.9	95.9	6.4	6.4	17.0	6.4	14	14	100	100	<0.2	<0.2	0.5	0.5								
						6.7	0.5	325	27.2	27.2	8.0	8.0	32.1	32.1	95.9	95.9	6.4	6.4	17.0	6.4	14	14	99	99	<0.2	<0.2	0.5	0.5								
IM11	Sunny	Moderate	12:57	9.4	Surface	1.0	0.6	290	27.2	27.2	8.0	8.0	32.1	32.1	92.6	92.6	6.2	6.2	13.9	6.2	13	13	96	96	821505	810533	<0.2	<0.2	0.4	0.4						
						1.0	0.6	291	27.2	27.2	8.0	8.0	32.1	32.1	92.6	92.6	6.2	6.2	13.9	6.2	13	13	96	96	<0.2	<0.2	0.4	0.4								
					Middle	4.7	0.5	290	27.2	27.2	8.0	8.0	32.1	32.1	93.2	93.2	6.2	6.2	16.4	6.2	16	16	97	97	<0.2	<0.2	0.6	0.6								
						4.7	0.5	313	27.2	27.2	8.0	8.0	32.1	32.1	93.2	93.2	6.2	6.2	16.4	6.2	15	15	97	97	<0.2	<0.2	0.4	0.4								
					Bottom	8.4	0.4	296	27.1	27.1	8.0	8.0	32.1	32.1	96.6	96.6	6.4	6.4	17.7	6.4	16	16	98	98	<0.2	<0.2	0.5	0.5								
						8.4	0.4	301	27.1	27.1	8.0	8.0	32.1	32.1	96.6	96.6	6.4	6.4	17.7	6.4	14	14	99	99	<0.2	<0.2	0.4	0.4								
IM12	Sunny	Moderate	13:04	9.6	Surface	1.0	0.7	275	27.2	27.2	8.0	8.0	32.1	32.1	90.7	90.7	6.0	6.0	10.4	6.0	7	7	95	95	821170	811525	<0.2	<0.2	0.4	0.4						
						1.0	0.7	290	27.2	27.2	8.0	8.0	32.1	32.1	90.7	90.7	6.0	6.0	10.4	6.0	7	7	97	97	<0.2	<0.2	0.4	0.4								
					Middle	4.8	0.6	278	27.1	27.1	8.0	8.0	32.1	32.1	90.4	90.4	6.0	6.0	16.0	6.0	8	8	97	97	<0.2	<0.2	0.4	0.4								
						4.8	0.7	278	27.1	27.1	8.0	8.0	32.1	32.1	90.4	90.4	6.0	6.0	16.0	6.0	7	7	98	98	<0.2	<0.2	0.4	0.4								
					Bottom	8.6	0.4	283	27.0	27.0	8.0	8.0	32.0	32.0	91.1	91.1	6.1	6.1	21.7	6.1	7	7	99	99	<0.2	<0.2	0.4	0.4								
						8.6	0.5	297	27.0	27.0	8.0	8.0	32.0	32.0	91.1	91.1	6.1	6.1	21.7	6.1	6	6	100	100	<0.2	<0.2	0.4	0.4								
SR2	Sunny	Moderate	13:25	4.9	Surface	1.0	0.1	171	27.5	27.5	7.9	7.9	32.2	32.2	90.7	90.7	6.0	6.0	15.0	6.0	6	6	96	96	821448	814152	<0.2	<0.2	0.3	0.3						
						1.0	0.1	173	27.5	27.5	7.9	7.9	32.2	32.2	90.7	90.7	6.0	6.0	15.0	6.0	7	7	95	95	<0.2	<0.2	0.4	0.4								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.9	0.1	114	27.4	27.4	7.9	7.9	32.2	32.2	91.9	91.9	6.1	6.1	19.8	6.1	7	7	99	99	<0.2	<0.2	0.4	0.4								
						3.9	0.1	122	27.4	27.4	7.9	7.9	32.2	32.2	91.9	91.9	6.1	6.1	19.8	6.1	6	6	98	98	<0.2	<0.2	0.3	0.3								
SR3	Sunny	Moderate	12:27	8.7	Surface	1.0	0.2	1	26.8	26.8	8.0	8.0	31.8	31.8	97.0	97.0	6.5	6.5	15.7	6.5	13	13	-	-	822153	807568	-	-	-	-						
						1.0	0.2	1	26.8	26.8	8.0	8.0	31.8	31.8	97.0	97.0	6.5	6.5	15.7	6.5	13	13	-	-	-	-	-	-	-	-						
					Middle	4.4	0.3	12	26.7	26.7	8.0	8.0	31.9	31.9	96.8	96.8	6.5	6.5	19.8	6.5	15	15	-	-	-	-	-	-	-	-	-	-				
						4.4	0.3	12	26.7	26.7	8.0	8.0	31.9	31.9	96.8	96.8	6.5	6.5	19.8	6.5	15	15	-	-	-	-	-	-	-	-	-					
					Bottom	7.7	0.3	8	26.6	26.6	8.0	8.0	31.8	31.8	97.6	97.6	6.5	6.5	25.7	6.5	13	13	-	-	-	-	-	-	-	-	-	-				
						7.7	0.3	8	26.6	26.6	8.0	8.0	31.8	31.8	97.6	97.6	6.5	6.5	25.7	6.5	14	14	-	-	-	-	-	-	-	-	-					
SR4A	Sunny	Calm	13:37	8.5	Surface	1.0	0.3	244	26.4	26.4	8.0	8.0	32.4	32.4	94.7	94.7	6.4	6.4	17.3	6.4	15	15	-	-	817178	807828	-	-	-	-						
						1.0	0.3	249	26.4	26.4	8.0	8.0	32.4	32.4	94.7	94.7	6.4	6.4	17.7	6.4	14	14	-	-	-	-	-	-	-							
					Middle	4.3	0.3	240	26.4	26.4	8.0	8.0	32.5	32.5	95.1	95.1	6.4	6.4	20.5	6.4	15	15	-	-	-	-	-	-	-	-						
						4.3	0.3	244	26.4	26.4	8.0	8.0	32.5	32.5	95.1	95.1	6.4	6.4	20.6	6.4	15	15	-	-	-	-	-	-	-							
					Bottom	7.5	0.2	270	26.4	26.4	8.0	8.0	32.5	32.5	96.8	97.1	6.5	6.5	23.4	6.5	19	19	-	-	-	-	-	-	-	-						
						7.5	0.2	285	26.3	26.3	8.0	8.0	32.5	32.5	97.3	97.3	6.5	6.5	23.1	6.5	19	19	-	-	-	-	-	-	-							
SR5A	Sunny	Calm	13:51	5.2	Surface	1.0	0.3	303	26.7	26.7	8.0	8.0	31.6	31.6	95.0	95.0	6.4	6.4	6.9	6.4	7	7	-	-	816603	810692	-	-	-	-						
						1.0	0.4	305	26.7	26.7	8.0	8.0	31.6	31.6	94.9	94.9	6.4	6.4	7.0	6.4	6	6	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	4.2	0.3	306	26.5	26.5	8.0	8.0	31.6	31.6	96.0	96.5	6.5	6.5	7.5	6.5	7	7	-	-	-	-	-	-	-							
						4.2	0.3	319	26.5	26.5	8.0	8.0	31.6	31.6	96.9	96.5	6.5	6.5	7.6	6.5	6	6	-	-	-	-	-	-	-							
SR6	Sunny	Calm	14:12	4.3	Surface	1.0	0.1	248	27.1	27.1	8.0	8.0	31.7	31.7	98.5	98.6	6.6	6.6	5.8	6.6	5	5	-	-	817889	814643	-	-	-	-						
						1.0	0.1	250	27.1	27.1	8.0	8.0	31.7	31.7	98.6	98.6	6.6	6.6	6.0	6.6	5	5	-	-	-	-	-									

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 October 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Rough	07:54	8.5	Surface	1.0	0.2	168	26.3	8.0	8.0	32.3	32.3	94.3	94.3	6.4	6.4	15.4	6.4	23	24	93	96	815608	804250	<0.2	<0.2	1.3	1.0			
						1.0	0.2	177	26.3	26.3	8.0	8.0	32.3	32.3	94.3	94.3	6.4	6.4	15.6	6.4	22	24	94	96	<0.2	<0.2	1.4	1.0				
						4.3	0.3	200	26.3	26.3	8.0	8.0	32.4	32.4	94.0	94.0	6.3	6.3	21.5	6.3	23	24	98	98	<0.2	<0.2	0.7	1.0				
					Middle	4.3	0.3	212	26.3	26.3	8.0	8.0	32.4	32.4	94.0	94.0	6.3	6.3	21.5	6.3	25	24	98	98	<0.2	<0.2	0.6	1.0				
						7.5	0.1	219	26.3	26.3	8.0	8.0	32.4	32.4	94.0	94.0	6.3	6.3	27.1	6.3	24	24	96	96	<0.2	<0.2	1.0	1.0				
						7.5	0.1	220	26.3	26.3	8.0	8.0	32.4	32.4	94.0	94.0	6.3	6.3	27.0	6.3	24	24	96	96	<0.2	<0.2	0.8	1.0				
C2	Sunny	Moderate	08:40	12.1	Surface	1.0	0.1	91	26.9	7.9	7.9	31.2	31.2	91.4	91.4	6.1	6.1	17.2	6.1	15	15	95	97	825681	806958	<0.2	<0.2	0.6	0.6			
						1.0	0.1	96	26.9	26.9	7.9	7.9	31.2	31.2	91.4	91.4	6.1	6.1	17.2	6.1	14	15	95	97	<0.2	<0.2	0.7	0.6				
						6.1	0.2	60	26.9	26.9	7.9	7.9	31.2	31.2	92.0	92.0	6.2	6.2	22.9	6.2	16	15	97	98	<0.2	<0.2	0.6	0.6				
					Middle	6.1	0.2	64	26.9	26.9	7.9	7.9	31.2	31.2	92.0	92.0	6.2	6.2	22.9	6.2	16	15	96	98	<0.2	<0.2	0.6	0.6				
						11.1	0.2	12	26.9	26.9	7.9	7.9	31.1	31.1	92.8	92.8	6.2	6.2	24.2	6.2	16	15	98	98	<0.2	<0.2	0.5	0.6				
						11.1	0.2	12	26.9	26.9	7.9	7.9	31.1	31.1	92.8	92.8	6.2	6.2	24.2	6.2	14	15	99	99	<0.2	<0.2	0.6	0.6				
C3	Fine	Moderate	06:52	11.3	Surface	1.0	0.5	98	27.4	7.9	7.9	32.0	32.0	85.9	86.0	5.7	5.7	11.8	5.7	7	8	96	99	822099	817814	<0.2	<0.2	0.3	0.3			
						1.0	0.5	98	27.4	27.4	7.9	7.9	32.0	32.0	86.0	86.0	5.7	5.7	12.0	5.7	8	8	96	99	<0.2	<0.2	0.3	0.3				
						5.7	0.4	89	27.4	27.4	7.9	7.9	32.0	32.0	86.0	86.0	5.7	5.7	18.0	5.7	8	8	98	99	<0.2	<0.2	0.4	0.3				
					Middle	5.7	0.5	89	27.4	27.4	7.9	7.9	32.0	32.0	86.0	86.0	5.7	5.7	18.0	5.7	8	8	98	99	<0.2	<0.2	0.3	0.3				
						10.3	0.4	84	27.4	27.4	7.7	7.7	32.0	32.0	86.2	86.2	5.7	5.7	26.6	5.7	6	8	101	101	<0.2	<0.2	0.3	0.3				
						10.3	0.4	87	27.4	27.4	7.7	7.7	32.0	32.0	86.2	86.2	5.7	5.7	26.6	5.7	9	8	102	102	<0.2	<0.2	0.3	0.3				
IM1	Sunny	Rough	08:12	7.6	Surface	1.0	0.1	136	26.2	26.2	8.0	8.0	31.8	31.8	94.1	94.1	6.4	6.4	16.8	6.4	23	22	96	99	818333	806448	<0.2	<0.2	0.5	0.6		
						1.0	0.1	138	26.2	26.2	8.0	8.0	31.8	31.8	94.1	94.1	6.4	6.4	17.0	6.4	21	22	97	99	<0.2	<0.2	0.6	0.6				
						3.8	0.0	92	26.2	26.2	8.0	8.0	31.9	31.9	93.9	93.9	6.3	6.3	20.9	6.3	22	22	98	99	<0.2	<0.2	0.6	0.6				
					Middle	3.8	0.0	97	26.2	26.2	8.0	8.0	31.9	31.9	93.9	93.9	6.3	6.3	20.8	6.3	23	22	99	99	<0.2	<0.2	0.6	0.6				
						6.6	0.0	285	26.2	26.2	8.0	8.0	31.9	31.9	94.4	94.4	6.4	6.4	25.6	6.4	21	22	100	100	<0.2	<0.2	0.7	0.7				
						6.6	0.0	311	26.2	26.2	8.0	8.0	31.9	31.9	94.4	94.4	6.4	6.4	25.4	6.4	21	22	101	101	<0.2	<0.2	0.7	0.7				
IM2	Sunny	Rough	08:20	8.3	Surface	1.0	0.1	121	26.2	26.2	8.0	8.0	31.7	31.7	94.2	94.2	6.4	6.4	14.5	6.4	19	19	94	96	818849	806205	<0.2	<0.2	0.8	0.7		
						1.0	0.1	122	26.2	26.2	8.0	8.0	31.7	31.7	94.2	94.2	6.4	6.4	14.2	6.4	19	19	94	96	<0.2	<0.2	0.8	0.7				
						4.2	0.1	89	26.2	26.2	8.0	8.0	31.7	31.7	93.6	93.6	6.3	6.3	19.5	6.3	19	19	96	96	<0.2	<0.2	0.8	0.7				
					Middle	4.2	0.1	89	26.2	26.2	8.0	8.0	31.7	31.7	93.6	93.6	6.3	6.3	19.7	6.3	19	19	96	96	<0.2	<0.2	0.8	0.7				
						7.3	0.0	110	26.2	26.2	8.0	8.0	31.7	31.7	94.1	94.1	6.4	6.4	24.0	6.4	19	19	98	98	<0.2	<0.2	0.6	0.6				
						7.3	0.0	111	26.2	26.2	8.0	8.0	31.7	31.7	94.1	94.1	6.4	6.4	24.1	6.4	21	19	98	98	<0.2	<0.2	0.6	0.6				
IM3	Sunny	Rough	08:27	8.5	Surface	1.0	0.2	87	26.2	26.2	8.0	8.0	31.7	31.7	94.0	94.0	6.4	6.4	13.5	6.4	16	16	94	96	819406	806036	<0.2	<0.2	0.9	0.9		
						1.0	0.2	88	26.2	26.2	8.0	8.0	31.7	31.7	94.0	94.0	6.4	6.4	13.5	6.4	17	16	94	96	<0.2	<0.2	1.0	1.0				
						4.3	0.2	88	26.3	26.3	8.0	8.0	31.7	31.7	93.4	93.4	6.3	6.3	17.6	6.3	16	16	96	96	<0.2	<0.2	0.8	0.9				
					Middle	4.3	0.2	95	26.3	26.3	8.0	8.0	31.7	31.7	93.4	93.4	6.3	6.3	17.4	6.3	15	16	96	96	<0.2	<0.2	1.0	1.0				
						7.5	0.1	32	26.3	26.3	8.0	8.0	31.7	31.7	94.0	94.0	6.4	6.4	21.5	6.4	16	16	98	98	<0.2	<0.2	0.9	0.9				
						7.5	0.1	32	26.3	26.3	8.0	8.0	31.7	31.7	94.1	94.1	6.4	6.4	21.6	6.4	18	16	98	98	<0.2	<0.2	1.0	1.0				
IM4	Sunny	Rough	08:37	7.7	Surface	1.0	0.1	54	26.2	26.2	8.0	8.0	31.9	31.9	94.3	94.3	6.4	6.4	16.4	6.4	17	16	96	99	819585	805019	<0.2	<0.2	1.0	0.8		
						1.0	0.2	58	26.2	26.2	8.0	8.0	31.9	31.9	94.3	94.3	6.4	6.4	16.2	6.4	16	16	97	99	<0.2	<0.2	1.0	0.8				
						3.9	0.1	78	26.2	26.2	8.0	8.0	32.0	32.0	93.9	93.9	6.3	6.3	19.6	6.3	16	16	96	99	<0.2	<0.2	1.0	0.8				
					Middle	3.9	0.1	85	26.2	26.2	8.0	8.0	32.0	32.0	93.9	93.9	6.3	6.3	19.5	6.3	15	16	99	99	<0.2	<0.2	0.9	0.8				
						6.7	0.1	8	26.2	26.2	8.0	8.0	32.0	32.0	94.3	94.3	6.4	6.4	26.3	6.4	16	16	100	100	<0.2	<0.2	0.5	0.5				
						6.7	0.1	8	26.2	26.2	8.0	8.0	32.0	32.0	94.3	94.3	6.4	6.4	26.1	6.4	16	16	100	100	<0.2	<0.2	0.6	0.6				
IM5	Sunny	Rough	08:46	7.1	Surface	1.0	0.1	19	26.3	26.3	8.0	8.0	31.7	31.7	94.1	94.1	6.4	6.4	11.0	6.4	13	15	96	99	820573	804933	<0.2	<0.2	0.5	0.8		
						1.0	0.1	19	26.3	26.3	8.0	8.0	31.7	31.7	94.1	94.1	6.4	6.4	11.2	6.4	14	15	96	99	<0.2	<0.2	0.5	0.8				
						3.6	0.1	30	26.3	26.3	8.0	8.0	31.8	31.8	93.5	93.5	6.3	6.3	16.4	6.3	14	15	99	99	<0.2	<0.2	1.1	1.1				
					Middle	3.6	0.2	32	26.3	26.3	8.0	8.0	31.8	31.8	93.5	93.5	6.3	6.3	16.7	6.3	17	15	99	99	<0.2	<0.2	1.1	1.1				
						6.1	0.1	57	26.3	26.3	8.0	8.0	31.8	31.8	93.6	93.6	6.3	6.3	21.3	6.3	14	15	101	101	<0.2	<0.2	0.8	0.8				
						6.1	0.1	57	26.3	26.3	8.0	8.0	31.8	31.8	93.7	93.7	6.3	6.3	21.5	6.3	16	15	101	101	<0.2	<0.2	1.0	1.0				
IM6	Sunny	Rough	08:56	7.0	Surface	1.0	0.1	45	26.4	26.4	8.1	8.1	31.8	31.8	92.9	92.9	6.3	6.3														

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 October 17 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	Sunny	Moderate	08:03	7.3	Surface	1.0	0.3	82	26.9	26.9	8.0	8.0	31.9	31.9	91.5	91.5	6.1	6.2	19.7	14	15	96	97	822097	808819	<0.2	<0.2	0.7	0.7							
						1.0	0.3	84	26.9	26.9	8.0	8.0	31.9	31.9	91.5	91.5	6.1	6.2	19.7	15	15	95	97	96	97	<0.2	<0.2	0.7	0.7							
					Middle	3.7	0.3	77	26.9	26.9	8.0	8.0	31.9	31.9	92.3	92.4	6.2	6.2	22.2	14	14	97	97	97	97	822097	808819	<0.2	<0.2	0.6	0.6					
						3.7	0.3	78	26.9	26.9	8.0	8.0	31.9	31.9	92.4	92.4	6.2	6.2	22.4	14	14	97	97	97	97	822097	808819	<0.2	<0.2	0.6	0.6					
					Bottom	6.3	0.3	71	26.9	26.9	8.0	8.0	31.9	31.9	94.5	94.5	6.3	6.3	22.9	17	15	98	99	99	99	822097	808819	<0.2	<0.2	0.7	0.6					
						6.3	0.3	71	26.9	26.9	8.0	8.0	31.9	31.9	94.5	94.5	6.3	6.3	22.9	15	15	99	99	99	99	822097	808819	<0.2	<0.2	0.6	0.6					
IM10	Sunny	Moderate	07:56	6.7	Surface	1.0	0.3	101	26.7	26.7	8.0	8.0	32.1	32.1	93.5	93.5	6.3	6.3	12.6	19	19	96	98	822257	809848	<0.2	<0.2	0.7	0.7							
						1.0	0.3	109	26.7	26.7	8.0	8.0	32.1	32.1	93.5	93.5	6.3	6.3	12.6	20	18	95	97	98	98	822257	809848	<0.2	<0.2	0.7	0.7					
					Middle	3.4	0.3	104	26.7	26.7	8.0	8.0	32.1	32.1	93.9	93.9	6.3	6.3	21.6	18	18	97	98	98	98	822257	809848	<0.2	<0.2	0.7	0.6					
						3.4	0.3	110	26.7	26.7	8.0	8.0	32.1	32.1	93.9	93.9	6.3	6.3	21.6	17	17	98	98	98	98	822257	809848	<0.2	<0.2	0.6	0.6					
					Bottom	5.7	0.2	104	26.7	26.7	8.0	8.0	32.1	32.1	95.8	95.8	6.4	6.4	28.4	17	17	100	100	100	100	822257	809848	<0.2	<0.2	0.6	0.6					
						5.7	0.2	112	26.7	26.7	8.0	8.0	32.1	32.1	95.8	95.8	6.4	6.4	28.4	19	19	99	99	99	99	822257	809848	<0.2	<0.2	0.6	0.6					
IM11	Sunny	Moderate	07:45	8.0	Surface	1.0	0.4	92	26.9	26.9	8.0	8.0	31.4	31.4	91.4	91.4	6.1	6.2	13.5	20	20	95	97	821489	810542	<0.2	<0.2	0.6	0.6							
						1.0	0.4	100	26.9	26.9	8.0	8.0	31.4	31.4	91.4	91.4	6.1	6.2	13.5	20	20	96	97	97	97	821489	810542	<0.2	<0.2	0.7	0.6					
					Middle	4.0	0.4	99	26.9	26.9	8.0	8.0	31.9	31.9	92.2	92.2	6.2	6.2	17.6	20	20	97	97	97	97	821489	810542	<0.2	<0.2	0.5	0.5					
						4.0	0.4	101	26.9	26.9	8.0	8.0	31.9	31.9	92.2	92.2	6.2	6.2	17.6	20	20	97	97	97	97	821489	810542	<0.2	<0.2	0.6	0.5					
					Bottom	7.0	0.3	91	26.9	26.9	8.0	8.0	31.7	31.7	93.5	93.5	6.3	6.3	26.3	21	21	99	99	99	99	821489	810542	<0.2	<0.2	0.5	0.5					
						7.0	0.3	96	26.9	26.9	8.0	8.0	31.7	31.7	93.5	93.5	6.3	6.3	26.3	23	23	98	98	98	98	821489	810542	<0.2	<0.2	0.5	0.5					
IM12	Sunny	Moderate	07:38	8.5	Surface	1.0	0.3	111	27.0	27.0	7.9	7.9	31.9	31.9	89.8	89.8	6.0	6.0	16.4	15	15	95	97	821171	811502	<0.2	<0.2	0.4	0.4							
						1.0	0.3	121	27.0	27.0	7.9	7.9	31.9	31.9	89.8	89.8	6.0	6.0	16.4	15	15	96	97	97	97	821171	811502	<0.2	<0.2	0.4	0.4					
					Middle	4.3	0.3	113	27.0	27.0	8.0	8.0	31.9	31.9	89.6	89.6	6.0	6.0	18.8	16	16	97	97	97	97	821171	811502	<0.2	<0.2	0.3	0.3					
						4.3	0.3	117	27.0	27.0	8.0	8.0	31.9	31.9	89.6	89.6	6.0	6.0	18.8	16	16	97	97	97	97	821171	811502	<0.2	<0.2	0.5	0.5					
					Bottom	7.5	0.3	103	27.0	27.0	8.0	8.0	31.9	31.9	90.1	90.1	6.0	6.0	33.3	20	20	99	99	99	99	821171	811502	<0.2	<0.2	0.4	0.4					
						7.5	0.4	112	27.0	27.0	8.0	8.0	31.9	31.9	90.1	90.1	6.0	6.0	33.3	19	19	99	99	99	99	821171	811502	<0.2	<0.2	0.4	0.4					
SR2	Fine	Moderate	07:13	4.9	Surface	1.0	0.4	99	27.1	27.1	7.9	7.9	32.0	32.0	90.1	90.1	6.0	6.0	15.4	9	9	96	97	821463	814151	<0.2	<0.2	0.5	0.5							
						1.0	0.4	99	27.1	27.1	7.9	7.9	32.0	32.0	90.1	90.1	6.0	6.0	15.4	9	9	95	95	95	95	821463	814151	<0.2	<0.2	0.6	0.6					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.9	0.3	105	27.1	27.1	7.9	7.9	32.0	32.0	91.8	91.8	6.1	6.1	24.2	11	11	99	99	99	99	821463	814151	<0.2	<0.2	0.4	0.4					
						3.9	0.3	113	27.1	27.1	7.9	7.9	32.0	32.0	91.8	91.8	6.1	6.1	24.2	12	12	98	98	98	98	821463	814151	<0.2	<0.2	0.5	0.5					
SR3	Sunny	Moderate	08:18	8.8	Surface	1.0	0.3	79	26.8	26.8	8.0	8.0	31.7	31.7	91.9	91.9	6.2	6.2	13.7	11	11	-	-	822155	807587	-	-	-	-							
						1.0	0.3	82	26.8	26.8	8.0	8.0	31.7	31.7	91.9	91.9	6.2	6.2	13.7	11	11	-	-	-	-	822155	807587	-	-	-	-					
					Middle	4.4	0.3	63	26.9	26.9	8.0	8.0	31.7	31.7	92.1	92.1	6.2	6.2	17.4	12	12	-	-	-	-	822155	807587	-	-	-	-					
						4.4	0.3	69	26.9	26.9	8.0	8.0	31.7	31.7	92.1	92.1	6.2	6.2	17.4	12	12	-	-	-	-	822155	807587	-	-	-	-					
					Bottom	7.8	0.3	47	26.9	26.9	8.0	8.0	31.8	31.8	93.4	93.4	6.2	6.2	27.9	12	12	-	-	-	-	822155	807587	-	-	-	-					
						7.8	0.3	49	26.9	26.9	8.0	8.0	31.8	31.8	93.4	93.4	6.2	6.2	27.9	12	12	-	-	-	-	822155	807587	-	-	-	-					
SR4A	Sunny	Moderate	07:33	9.5	Surface	1.0	0.4	71	26.4	26.4	8.0	8.0	31.6	31.6	89.4	89.5	6.0	6.0	14.4	13	13	-	-	817182	807822	-	-	-	-							
						1.0	0.4	74	26.4	26.4	8.0	8.0	31.6	31.6	89.5	89.5	6.0	6.0	14.6	14	14	-	-	-	-	817182	807822	-	-	-	-					
					Middle	4.8	0.3	75	26.4	26.4	8.0	8.0	31.6	31.6	89.2	89.2	6.0	6.0	19.2	16	16	-	-	-	-	817182	807822	-	-	-	-					
						4.8	0.4	75	26.4	26.4	8.0	8.0	31.6	31.6	89.2	89.2	6.0	6.0	19.2	17	17	-	-	-	-	817182	807822	-	-	-	-					
					Bottom	8.5	0.3	67	26.3	26.3	8.0	8.0	31.6	31.6	89.7	89.9	6.1	6.1	19.0	20	20	-	-	-	-	817182	807822	-	-	-	-					
						8.5	0.3	68	26.3	26.3	8.0	8.0	31.6	31.6	90.1	89.9	6.1	6.1	19.1	21	21	-	-	-	-	817182	807822	-	-	-	-					
SR5A	Sunny	Moderate	07:16	4.3	Surface	1.0	0.1	324	26.3	26.3	8.0	8.0	31.5	31.5	90.6	90.7	6.1	6.1	11.3	11	11	-	-	816603	810684	-	-	-	-							
						1.0	0.1	343	26.3	26.3	8.0	8.0	31.5	31.5	90.8	90.8	6.1	6.1	11.6	12	12	-	-	-	-	816603	810684	-	-	-	-					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.3	0.1	318	26.3	26.3																										

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 October 17 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	Sunny	Moderate	14:31	7.5	Surface	1.0	0.3	84	26.4	26.4	8.0	8.0	31.9	31.9	96.8	96.8	6.5	6.5	9.9	9.9	9	9	96	96	97	822102	808818	<0.2	<0.2	0.5	0.5					
						1.0	0.3	90	26.4	26.4	8.0	8.0	31.9	31.9	96.8	96.8	6.5	6.5	9.9	9.9	7	7	96	96	97	822102	808818	<0.2	<0.2	0.5	0.5					
					Middle	3.8	0.3	66	26.1	26.1	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	15.0	15.0	10	10	97	97	97	822102	808818	<0.2	<0.2	0.5	0.5					
						3.8	0.3	71	26.1	26.1	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	15.0	15.0	9	9	97	97	97	822102	808818	<0.2	<0.2	0.5	0.5					
					Bottom	6.5	0.3	64	26.1	26.1	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	19.4	19.4	11	11	99	99	98	98	97	822102	808818	<0.2	<0.2	0.5	0.5			
						6.5	0.3	68	26.1	26.1	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	19.4	19.4	12	12	98	98	98	98	97	822102	808818	<0.2	<0.2	0.5	0.5			
IM10	Sunny	Moderate	14:38	7.5	Surface	1.0	0.3	99	26.3	26.3	8.0	8.0	32.1	32.1	96.1	96.1	6.5	6.5	9.1	9.1	11	11	95	95	97	822245	809828	<0.2	<0.2	0.5	0.5					
						1.0	0.3	102	26.3	26.3	8.0	8.0	32.1	32.1	96.1	96.1	6.5	6.5	9.1	9.1	10	10	96	96	97	822245	809828	<0.2	<0.2	0.5	0.5					
					Middle	3.8	0.2	107	26.3	26.3	8.0	8.0	32.1	32.1	95.9	95.9	6.5	6.5	10.8	10.8	10	10	97	97	97	822245	809828	<0.2	<0.2	0.5	0.5					
						3.8	0.2	111	26.3	26.3	8.0	8.0	32.1	32.1	95.9	95.9	6.5	6.5	10.8	10.8	10	10	97	97	97	822245	809828	<0.2	<0.2	0.5	0.5					
					Bottom	6.5	0.2	96	26.1	26.1	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	13.8	13.8	11	11	99	99	98	98	97	822245	809828	<0.2	<0.2	0.5	0.5			
						6.5	0.3	98	26.1	26.1	8.0	8.0	32.3	32.3	95.8	95.8	6.5	6.5	13.8	13.8	11	11	98	98	98	98	97	822245	809828	<0.2	<0.2	0.5	0.5			
IM11	Sunny	Moderate	14:48	8.5	Surface	1.0	0.4	73	26.4	26.4	8.0	8.0	32.3	32.3	94.0	94.0	6.3	6.3	19.1	19.1	22	22	96	96	97	821520	810557	<0.2	<0.2	0.4	0.4					
						1.0	0.4	78	26.4	26.4	8.0	8.0	32.3	32.3	94.0	94.0	6.3	6.3	19.1	19.1	23	23	96	96	97	821520	810557	<0.2	<0.2	0.4	0.4					
					Middle	4.3	0.2	81	26.3	26.3	8.0	8.0	32.4	32.4	93.5	93.5	6.3	6.3	20.9	20.9	24	24	97	97	97	821520	810557	<0.2	<0.2	0.4	0.4					
						4.3	0.2	88	26.3	26.3	8.0	8.0	32.4	32.4	93.5	93.5	6.3	6.3	20.9	20.9	24	24	97	97	97	821520	810557	<0.2	<0.2	0.6	0.6					
					Bottom	7.5	0.2	80	26.3	26.3	8.0	8.0	32.4	32.4	93.7	93.7	6.3	6.3	25.7	25.7	25	25	99	99	98	98	97	821520	810557	<0.2	<0.2	0.4	0.4			
						7.5	0.3	82	26.3	26.3	8.0	8.0	32.4	32.4	93.7	93.7	6.3	6.3	25.7	25.7	24	24	98	98	98	98	97	821520	810557	<0.2	<0.2	0.4	0.4			
IM12	Sunny	Moderate	14:56	9.4	Surface	1.0	0.3	100	26.7	26.7	8.0	8.0	32.3	32.3	94.9	94.9	6.4	6.4	5.0	5.0	7	7	95	95	97	821151	811513	<0.2	<0.2	0.4	0.4					
						1.0	0.3	108	26.7	26.7	8.0	8.0	32.3	32.3	94.9	94.9	6.4	6.4	5.0	5.0	6	6	96	96	97	821151	811513	<0.2	<0.2	0.4	0.4					
					Middle	4.7	0.2	105	26.7	26.7	8.0	8.0	32.5	32.5	93.7	93.7	6.3	6.3	5.5	5.5	7	7	97	97	97	821151	811513	<0.2	<0.2	0.3	0.3					
						4.7	0.3	113	26.7	26.7	8.0	8.0	32.5	32.5	93.7	93.7	6.3	6.3	5.5	5.5	8	8	97	97	97	821151	811513	<0.2	<0.2	0.4	0.4					
					Bottom	8.4	0.2	112	26.5	26.5	8.0	8.0	32.4	32.4	94.2	94.2	6.3	6.3	6.3	6.3	9	9	99	99	99	99	97	821151	811513	<0.2	<0.2	0.3	0.3			
						8.4	0.2	115	26.5	26.5	8.0	8.0	32.4	32.4	94.2	94.2	6.3	6.3	6.3	6.3	8	8	99	99	99	99	97	821151	811513	<0.2	<0.2	0.3	0.3			
SR2	Sunny	Moderate	15:24	4.9	Surface	1.0	0.2	63	26.6	26.6	8.0	8.0	32.4	32.4	93.0	93.0	6.2	6.2	6.6	6.6	7	7	96	96	98	821443	814153	<0.2	<0.2	0.4	0.4					
						1.0	0.3	65	26.6	26.6	8.0	8.0	32.4	32.4	93.0	93.0	6.2	6.2	6.6	6.6	8	8	96	96	98	821443	814153	<0.2	<0.2	0.3	0.3					
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.9	0.2	70	26.5	26.5	8.0	8.0	32.4	32.4	93.6	93.6	6.3	6.3	9.3	9.3	8	8	99	99	99	99	98	821443	814153	<0.2	<0.2	0.4	0.4			
						3.9	0.2	75	26.5	26.5	8.0	8.0	32.4	32.4	93.6	93.6	6.3	6.3	9.3	9.3	7	7	99	99	99	99	98	821443	814153	<0.2	<0.2	0.3	0.3			
SR3	Sunny	Moderate	14:17	9.2	Surface	1.0	0.3	81	26.5	26.5	8.0	8.0	31.2	31.2	96.8	96.8	6.5	6.5	9.4	9.4	7	7	-	-	-	-	-	-	-	-						
						1.0	0.3	84	26.5	26.5	8.0	8.0	31.2	31.2	96.8	96.8	6.5	6.5	9.4	9.4	9	9	-	-	-	-	-	-	-	-	-					
					Middle	4.6	0.3	75	26.1	26.1	8.0	8.0	32.0	32.0	95.8	95.8	6.5	6.5	13.4	13.4	11	11	-	-	-	-	-	-	-	-	-	-				
						4.6	0.3	75	26.1	26.1	8.0	8.0	32.0	32.0	95.8	95.8	6.5	6.5	13.4	13.4	10	10	-	-	-	-	-	-	-	-	-					
					Bottom	8.2	0.2	64	26.1	26.1	8.0	8.0	31.8	31.8	95.7	95.7	6.5	6.5	22.1	22.1	20	20	-	-	-	-	-	-	-	-	-	-				
						8.2	0.2	64	26.1	26.1	8.0	8.0	31.8	31.8	95.7	95.7	6.5	6.5	22.1	22.1	18	18	-	-	-	-	-	-	-	-	-					
SR4A	Sunny	Moderate	15:29	8.6	Surface	1.0	0.3	74	26.3	26.3	8.0	8.0	32.6	32.6	97.5	97.5	6.6	6.6	6.9	6.9	7	7	-	-	-	-	-	-	-							
						1.0	0.3	78	26.3	26.3	8.0	8.0	32.6	32.6	97.5	97.5	6.6	6.6	6.9	6.9	9	9	-	-	-	-	-	-	-							
					Middle	4.3	0.3	71	26.3	26.3	8.0	8.0	32.6	32.6	96.6	96.6	6.5	6.5	7.7	7.7	9	9	-	-	-	-	-	-	-	-						
						4.3	0.3	71	26.3	26.3	8.0	8.0	32.6	32.6	96.6	96.6	6.5	6.5	7.7	7.7	9	9	-	-	-	-	-	-	-							
					Bottom	7.6	0.3	71	26.1	26.1	8.0	8.0	32.7	32.7	96.3	96.3	6.5	6.5	9.3	9.3	9	9	-	-	-	-	-	-	-	-						
						7.6	0.3	72	26.1	26.1	8.0	8.0	32.7	32.7	96.3	96.3	6.5	6.5	9.3	9.3	9	9	-	-	-	-	-	-	-							
SR5A	Sunny	Moderate	15:44	5.2	Surface	1.0	0.0	345	26.3	26.3	8.0	8.0	32.2	32.2	100.4	100.3	6.8	6.8	7.3	7.3	9	9	-	-	-	-	-	-								
						1.0	0.0	317	26.3	26.3	8.0	8.0	32.2	32.2	100.2	100.2	6.7	6.7	7.4	7.4	9	9	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							
					Bottom	4.2	0.0	246</																												

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 October 17 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	10:03	8.7	Surface	1.0	0.6	34	25.9	25.9	8.0	8.0	32.6	32.6	93.7	93.7	6.3	6.3	14.5	22.1	21	22	94	94	815635	804256	<0.2	0.4	<0.2	0.4				
						1.0	0.7	35	25.9	8.0	8.0	32.6	32.6	93.7	93.7	6.3	6.3	14.7	22.1	22	22	95	95	<0.2			0.4	<0.2	0.6					
						4.4	0.6	19	25.9	8.0	8.0	32.6	32.6	93.1	93.2	6.3	6.3	22.1	22.4	20	20	101	100	<0.2			0.4	<0.2	0.4					
					4.4	0.6	19	25.9	8.0	8.0	32.6	32.6	93.2	93.2	6.3	6.3	22.4	22.4	20	20	100	100	<0.2	0.4			<0.2	0.4						
					7.7	0.5	18	25.9	8.0	8.0	32.6	32.6	93.0	93.0	6.3	6.3	25.5	25.5	23	23	103	103	<0.2	0.4			<0.2	0.4						
					7.7	0.5	18	25.9	8.0	8.0	32.6	32.6	93.0	93.0	6.3	6.3	25.3	25.3	25	25	105	105	<0.2	0.4			<0.2	0.4						
C2	Sunny	Moderate	10:38	11.8	Surface	1.0	0.2	340	26.3	26.3	7.9	7.9	29.4	29.4	90.7	90.7	6.2	6.2	7.3	19.2	6	6	95	95	825668	806954	<0.2	1.2	<0.2	1.2				
						1.0	0.2	313	26.3	8.0	8.0	29.4	29.4	90.7	90.7	6.2	6.2	7.3	19.2	6	6	96	96	<0.2			1.2	<0.2	0.8					
						5.9	0.3	345	26.5	8.0	8.0	31.1	31.1	89.9	89.9	6.1	6.1	11.8	11.8	9	9	97	97	<0.2			0.7	<0.2	0.8					
					5.9	0.4	357	26.5	8.0	8.0	31.1	31.1	89.9	89.9	6.1	6.1	11.8	11.8	9	9	97	99	<0.2	0.8			<0.2	1.0						
					10.8	0.2	333	26.5	8.0	8.0	31.1	31.1	91.2	91.2	6.2	6.2	38.6	38.6	11	11	99	99	<0.2	1.0			<0.2	1.0						
					10.8	0.2	354	26.5	8.0	8.0	31.1	31.1	91.2	91.2	6.2	6.2	38.6	38.6	12	12	99	99	<0.2	1.0			<0.2	1.0						
C3	Sunny	Moderate	08:52	11.1	Surface	1.0	0.2	252	26.4	26.4	8.0	8.0	32.1	32.1	91.3	91.3	6.1	6.1	9.7	10.6	11	11	97	97	822128	817817	<0.2	0.3	<0.2	0.3				
						1.0	0.2	262	26.4	8.0	8.0	32.1	32.1	91.3	91.3	6.1	6.1	9.7	10.6	10	10	96	96	<0.2			0.3	<0.2	0.3					
						5.6	0.2	254	26.4	8.0	8.0	32.0	32.0	90.9	90.9	6.1	6.1	10.5	10.5	9	9	99	99	<0.2			0.3	<0.2	0.3					
					5.6	0.2	266	26.4	8.0	8.0	32.0	32.0	90.9	90.9	6.1	6.1	10.5	10.5	9	9	99	99	<0.2	0.3			<0.2	0.3						
					10.1	0.2	254	26.4	8.0	8.0	32.0	32.0	90.8	90.8	6.1	6.1	11.6	11.6	13	13	102	102	<0.2	0.4			<0.2	0.4						
					10.1	0.2	263	26.4	8.0	8.0	32.0	32.0	90.8	90.8	6.1	6.1	11.6	11.6	12	12	101	101	<0.2	0.3			<0.2	0.3						
IM1	Sunny	Moderate	10:22	7.4	Surface	1.0	0.4	6	25.7	25.7	8.0	8.0	32.3	32.3	95.4	95.4	6.5	6.5	12.4	16.7	7	8	96	96	818341	806446	<0.2	0.4	<0.2	0.4				
						1.0	0.4	6	25.7	8.0	8.0	32.3	32.3	95.4	95.4	6.5	6.5	12.4	16.7	8	8	96	96	<0.2			0.4	<0.2	0.4					
						3.7	0.4	355	25.6	8.0	8.0	32.4	32.4	95.0	95.0	6.5	6.5	16.8	16.8	9	9	102	101	<0.2			0.4	<0.2	0.5					
					3.7	0.4	327	25.6	8.0	8.0	32.4	32.4	95.0	95.0	6.5	6.5	16.8	16.8	9	9	102	101	<0.2	0.4			<0.2	0.5						
					6.4	0.3	354	25.6	8.0	8.0	32.4	32.4	97.5	97.5	6.6	6.6	21.0	21.0	10	10	104	104	<0.2	0.5			<0.2	0.5						
					6.4	0.3	357	25.6	8.0	8.0	32.4	32.4	97.5	97.5	6.6	6.6	21.0	21.0	10	10	105	105	<0.2	0.4			<0.2	0.4						
IM2	Sunny	Moderate	10:27	8.3	Surface	1.0	0.4	12	25.7	25.7	8.0	8.0	32.2	32.2	95.2	95.2	6.5	6.5	12.0	17.0	10	10	94	94	818860	806206	<0.2	0.5	<0.2	0.4				
						1.0	0.4	13	25.7	8.0	8.0	32.2	32.2	95.2	95.2	6.5	6.5	12.0	17.0	10	10	95	95	<0.2			0.4	<0.2	0.4					
						4.2	0.4	15	25.6	8.0	8.0	32.2	32.2	94.6	94.6	6.4	6.4	17.8	17.8	9	9	100	100	<0.2			0.4	<0.2	0.3					
					4.2	0.4	15	25.6	8.0	8.0	32.2	32.2	94.6	94.6	6.4	6.4	17.8	17.8	9	9	100	100	<0.2	0.3			<0.2	0.3						
					7.3	0.4	16	25.6	8.0	8.0	32.2	32.2	94.6	94.7	6.4	6.5	21.2	21.2	10	10	104	104	<0.2	0.3			<0.2	0.3						
					7.3	0.4	16	25.6	8.0	8.0	32.2	32.2	94.7	94.7	6.5	6.5	21.3	21.3	10	10	105	105	<0.2	0.3			<0.2	0.3						
IM3	Sunny	Moderate	10:34	8.6	Surface	1.0	0.5	18	25.7	25.7	8.0	8.0	32.2	32.2	95.4	95.4	6.5	6.5	11.5	20.2	8	8	96	96	819400	806020	<0.2	0.3	<0.2	0.4				
						1.0	0.5	18	25.7	8.0	8.0	32.2	32.2	95.3	95.3	6.5	6.5	11.7	20.2	9	9	95	95	<0.2			0.3	<0.2	0.4					
						4.3	0.4	18	25.6	8.0	8.0	32.2	32.2	94.3	94.3	6.4	6.4	22.6	22.6	8	8	101	101	<0.2			0.4	<0.2	0.4					
					4.3	0.4	18	25.6	8.0	8.0	32.2	32.2	94.3	94.3	6.4	6.4	22.2	22.2	9	9	98	98	<0.2	0.3			<0.2	0.3						
					7.6	0.3	18	25.6	8.0	8.0	32.2	32.2	94.5	94.6	6.4	6.4	26.7	26.7	12	12	103	103	<0.2	0.3			<0.2	0.3						
					7.6	0.3	18	25.6	8.0	8.0	32.2	32.2	94.6	94.6	6.4	6.4	26.7	26.7	11	11	105	105	<0.2	0.3			<0.2	0.3						
IM4	Sunny	Moderate	10:41	7.9	Surface	1.0	0.4	4	25.8	25.8	8.0	8.0	32.2	32.2	94.9	94.9	6.4	6.4	12.8	20.7	8	8	95	95	819557	805050	<0.2	0.3	<0.2	0.3				
						1.0	0.4	4	25.8	8.0	8.0	32.2	32.2	94.9	94.9	6.4	6.4	12.8	20.7	8	8	95	95	<0.2			0.2	<0.2	0.2					
						4.0	0.4	12	25.7	8.0	8.0	32.2	32.2	94.6	94.6	6.4	6.4	15.9	15.9	9	9	101	101	<0.2			0.4	<0.2	0.4					
					4.0	0.4	12	25.7	8.0	8.0	32.2	32.2	94.6	94.6	6.4	6.4	15.9	15.9	8	8	100	100	<0.2	0.3			<0.2	0.3						
					6.9	0.3	16	25.7	8.0	8.0	32.3	32.3	94.7	94.7	6.4	6.4	33.3	33.3	11	11	104	104	<0.2	0.4			<0.2	0.4						
					6.9	0.3	16	25.7	8.0	8.0	32.3	32.3	94.7	94.7	6.4	6.4	33.3	33.3	9	9	106	106	<0.2	0.4			<0.2	0.4						
IM5	Sunny	Moderate	10:51	7.1	Surface	1.0	0.5	2	26.0	26.0	8.0	8.0	31.9	31.9	94.0	94.0	6.4	6.4	8.4	20.6	8	8	96	96	820563	804935	<0.2	0.4	<0.2	0.4				
						1.0	0.5	2	26.0	8.0	8.0	31.9	31.9	94.0	94.0	6.4	6.4	8.5	20.6	8	8	94	94	<0.2			0.4	<0.2	0.4					
						3.6	0.4	357	25.8	8.0	8.0	32.2	32.2	93.3	93.3	6.3	6.3	21.5	21.5	10	10	100	100	<0.2			0.4	<0.2	0.4					
					3.6	0.4	328	25.8	8.0	8.0	32.2	32.2	93.3	93.3	6.3	6.3	21.4	21.4	10	10	99	99	<0.2	0.3			<0.2	0.3						
					6.1	0.4	1	25.8	8.0	8.0	32.2	32.2	93.2	93.2	6.3	6.3	32.0	32.0	15	15	106	106	<0.2	0.5			<0.2	0.5						
					6.1	0.4	1	25.8	8.0	8.0	32.2	32.2	93.2	93.2	6.3	6.3	31.9	31.9	16	16	105	105	<0.2	0.4			<0.2	0.4						
IM6	Sunny	Moderate	10:59	7.5	Surface	1.0	0.3	36	25.9	25.9	8.0	8.0	31.8	31.8	93.8	93.8	6.4	6.4	11.6	15.5	12	13	96	96	821069	805822	<0.2	0.5	<0.2	0.4				
						1.0	0.3	37	25.9	8.0	8.0	31.8	31.8	93.8	93.8	6.4	6.4	11.5	15.5	13	13	95	95	<0.2			0.4	<0.2	0.4					

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 October 17 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
									Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:54	8.8	Surface	1.0	0.1	82	26.2	8.0	8.0	31.2	31.2	101.3	101.1	6.9	6.7	3.2	5.9	4	4	96	96	815613	804236	<0.2	<0.2	1.0	1.0	
						1.0	0.1	85	26.2	26.2	8.0	8.0	31.2	31.2	100.8	101.1	6.8	6.7	3.3	5.9	4	4	96	96	<0.2	<0.2	1.0	1.0		
						4.4	0.1	135	26.2	26.2	8.0	8.0	32.1	32.1	96.8	96.8	6.5	6.5	5.9	6.0	4	3	99	99	<0.2	<0.2	1.0	1.0		
					4.4	0.1	147	26.2	26.2	8.0	8.0	32.1	32.1	96.7	96.8	6.5	6.5	6.0	6.0	3	3	99	99	<0.2	<0.2	1.0	1.0			
					7.8	0.1	48	26.2	26.2	8.0	8.0	32.3	32.3	96.9	96.9	6.5	6.6	8.2	8.5	6	4	99	99	<0.2	<0.2	1.2	1.2			
					7.8	0.1	52	26.2	26.2	8.0	8.0	32.3	32.3	97.5	97.2	6.6	6.6	8.5	8.5	4	4	99	99	<0.2	<0.2	2.2	2.2			
C2	Sunny	Moderate	15:55	12.7	Surface	1.0	0.1	97	26.6	7.9	7.9	27.3	27.3	94.7	94.7	6.5	6.4	4.2	9.1	5	7	94	94	825662	806925	<0.2	<0.2	2.9	2.9	
						1.0	0.2	100	26.6	26.6	7.9	7.9	27.3	27.3	94.7	94.7	6.5	6.4	4.2	9.1	4	7	94	94	<0.2	<0.2	1.8	1.8		
						6.4	0.1	71	26.3	26.3	7.9	7.9	30.0	30.0	91.6	91.6	6.2	6.2	10.9	10.9	6	7	96	96	<0.2	<0.2	2.3	2.3		
					6.4	0.1	75	26.3	26.3	7.9	7.9	30.0	30.0	91.6	91.6	6.2	6.2	10.9	10.9	7	7	96	96	<0.2	<0.2	1.4	1.4			
					11.7	0.2	312	26.4	26.4	7.9	7.9	31.4	31.4	92.4	92.4	6.2	6.2	12.2	12.2	11	9	98	99	<0.2	<0.2	1.1	1.1			
					11.7	0.2	321	26.4	26.4	7.9	7.9	31.4	31.4	92.4	92.4	6.2	6.2	12.2	12.2	9	9	99	99	<0.2	<0.2	1.0	1.0			
C3	Cloudy	Moderate	17:26	12.2	Surface	1.0	0.2	80	26.6	26.6	8.0	8.0	31.6	31.6	93.5	93.5	6.3	6.1	1.6	2.4	5	5	96	96	822121	817806	<0.2	<0.2	0.7	0.7
						1.0	0.2	82	26.6	26.6	8.0	8.0	31.6	31.6	93.5	93.5	6.3	6.1	1.6	2.4	6	5	96	98	<0.2	<0.2	0.8	0.8		
						6.1	0.2	95	26.9	26.9	8.0	8.0	31.9	31.9	88.8	88.8	5.9	5.9	1.8	1.8	5	4	98	98	<0.2	<0.2	0.6	0.6		
					6.1	0.2	104	26.9	26.9	8.0	8.0	31.9	31.9	88.8	88.8	5.9	5.9	1.8	1.8	4	5	98	101	<0.2	<0.2	0.7	0.7			
					11.2	0.1	84	26.8	26.8	7.9	7.9	32.1	32.1	91.7	91.7	6.1	6.1	3.8	3.8	5	5	101	101	<0.2	<0.2	0.6	0.6			
					11.2	0.1	89	26.8	26.8	7.9	7.9	32.1	32.1	91.7	91.7	6.1	6.1	3.8	3.8	5	5	101	101	<0.2	<0.2	0.5	0.5			
IM1	Cloudy	Moderate	16:37	7.6	Surface	1.0	0.1	210	26.4	26.4	8.0	8.0	30.5	30.6	103.9	103.7	7.1	6.9	2.7	4.0	6	6	96	96	818362	806441	<0.2	<0.2	1.1	1.1
						1.0	0.1	228	26.4	26.4	8.0	8.0	30.6	30.6	103.4	103.7	7.0	6.9	2.8	4.0	5	6	96	98	<0.2	<0.2	1.1	1.1		
						3.8	0.1	312	26.2	26.2	8.0	8.0	31.9	31.9	100.5	100.4	6.8	6.8	4.0	4.1	6	5	98	99	<0.2	<0.2	1.6	1.6		
					3.8	0.1	341	26.2	26.2	8.0	8.0	31.9	31.9	100.3	100.3	6.8	6.8	4.1	4.1	5	6	99	100	<0.2	<0.2	1.6	1.6			
					6.6	0.1	354	26.1	26.1	8.0	8.0	32.1	32.1	100.1	100.3	6.8	6.8	5.1	5.0	6	5	100	100	<0.2	<0.2	1.1	1.1			
					6.6	0.1	326	26.1	26.1	8.0	8.0	32.1	32.1	100.5	100.3	6.8	6.8	5.0	5.0	5	5	100	100	<0.2	<0.2	1.1	1.1			
IM2	Cloudy	Moderate	16:33	8.9	Surface	1.0	0.1	66	26.2	26.2	8.0	8.0	30.6	30.6	102.4	101.8	7.0	6.8	2.9	4.2	3	5	96	96	818843	806211	<0.2	<0.2	1.1	1.1
						1.0	0.1	69	26.2	26.2	8.0	8.0	30.6	30.6	101.1	101.8	6.9	6.8	3.0	4.2	2	5	97	98	<0.2	<0.2	1.1	1.1		
						4.5	0.1	254	26.0	26.0	8.0	8.0	31.7	31.6	99.0	98.9	6.7	6.7	4.5	4.7	7	6	98	98	<0.2	<0.2	1.4	1.4		
					4.5	0.1	276	26.0	26.0	8.0	8.0	31.6	31.6	98.7	98.9	6.7	6.7	4.7	4.7	6	6	98	98	<0.2	<0.2	1.5	1.5			
					7.9	0.0	229	26.0	26.0	8.0	8.0	32.0	32.0	100.3	101.0	6.8	6.9	5.0	4.8	6	6	99	100	<0.2	<0.2	1.1	1.1			
					7.9	0.0	245	26.0	26.0	8.0	8.0	32.0	32.0	101.7	101.0	6.9	6.9	4.8	4.8	6	6	100	100	<0.2	<0.2	1.1	1.1			
IM3	Cloudy	Moderate	16:25	8.5	Surface	1.0	0.1	82	26.2	26.2	8.0	8.0	30.6	30.6	102.9	102.7	7.0	6.9	3.0	5.0	4	4	98	98	819418	806027	<0.2	<0.2	1.5	1.5
						1.0	0.1	84	26.2	26.2	8.0	8.0	30.6	30.6	102.4	102.7	7.0	6.9	3.0	5.0	4	4	98	98	<0.2	<0.2	1.6	1.6		
						4.3	0.0	314	26.0	26.0	8.0	8.0	31.6	31.6	98.4	98.2	6.7	6.7	4.9	5.0	5	5	99	99	<0.2	<0.2	1.5	1.5		
					4.3	0.0	340	26.0	26.0	8.0	8.0	31.6	31.6	98.0	98.0	6.7	6.7	5.0	5.0	5	4	99	100	<0.2	<0.2	1.7	1.7			
					7.5	0.0	242	26.0	26.0	8.0	8.0	32.0	32.0	97.6	97.8	6.6	6.6	7.1	7.1	4	4	100	100	<0.2	<0.2	1.8	1.8			
					7.5	0.0	243	26.0	26.0	8.0	8.0	32.0	32.0	98.0	97.8	6.6	6.6	7.1	7.1	4	4	101	101	<0.2	<0.2	1.6	1.6			
IM4	Cloudy	Moderate	16:17	6.7	Surface	1.0	0.2	37	26.1	26.1	8.0	8.0	30.8	30.8	100.3	100.1	6.8	6.7	5.1	6.5	5	6	96	96	819562	805058	<0.2	<0.2	1.3	1.3
						1.0	0.2	37	26.1	26.1	8.0	8.0	30.8	30.8	99.8	99.8	6.8	6.7	5.3	6.5	6	6	96	96	<0.2	<0.2	1.3	1.3		
						3.4	0.1	15	25.9	25.9	8.0	8.0	31.3	31.3	97.1	97.1	6.6	6.6	7.3	7.2	5	7	98	98	<0.2	<0.2	1.3	1.3		
					3.4	0.1	16	25.9	25.9	8.0	8.0	31.3	31.3	97.0	97.0	6.6	6.6	7.2	7.2	7	7	98	98	<0.2	<0.2	1.5	1.5			
					5.7	0.0	12	25.8	25.8	8.0	8.0	31.6	31.5	98.2	98.6	6.7	6.8	7.0	6.8	5	5	100	100	<0.2	<0.2	1.3	1.3			
					5.7	0.0	12	25.8	25.8	8.0	8.0	31.5	31.5	99.0	98.6	6.8	6.8	6.8	6.8	5	5	100	100	<0.2	<0.2	1.3	1.3			
IM5	Cloudy	Moderate	16:07	7.1	Surface	1.0	0.1	87	26.2	26.2	8.0	8.0	30.5	30.5	100.5	100.0	6.8	6.7	4.4	7.2	4	6	96	96	820559	804941	<0.2	<0.2	1.0	1.0
						1.0	0.1	88	26.2	26.2	8.0	8.0	30.5	30.5	99.5	99.5	6.8	6.7	5.0	7.2	6	6	96	96	<0.2	<0.2	1.1	1.1		
						3.6	0.1	25	25.8	25.8	8.0	8.0	31.5	31.5	96.4	96.4	6.6	6.6	8.1	8.2	6	5	99	99	<0.2	<0.2	1.3	1.3		
					3.6	0.1	27	25.8	25.8	8.0	8.0	31.5	31.5	96.4	96.4	6.6	6.6	8.2	8.2	5	5	99	99	<0.2	<0.2	1.2	1.2			
					6.1	0.1	28	25.8	25.8	8.0	8.0	31.6	31.6	97.8	98.2	6.7	6.7	8.7	8.7	8	8	97	97	<0.2	<0.2	1.2	1.2			
					6.1	0.1	28	25.8	25.8	8.0	8.0	31.6	31.6	98.6	98.2	6.7	6.7	8.7	8.7	7	7	97	97	<0.2	<0.2	1.1	1.1			
IM6	Cloudy	Moderate	16:00	7.0	Surface	1.0	0.1	160	26.2	26.2	8.0	8.0	28.1	28.1	99.6	99.5	6.9	6.8	3.5	4.6	4	6	96	96	821046	805840	<0.2	<0.2	1.7	1.7
						1.0	0.1	173	26.2	26.2	8.0	8.0	28.2	2																

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 October 17 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	Sunny	Moderate	16:22	7.7	Surface	1.0	0.4	98	26.5	26.5	8.0	8.0	27.4	27.4	95.5	95.5	6.6	6.6	9.6	17.8	6	7	95	97	822094	808801	<0.2	2.2	2.0							
						1.0	0.4	99	26.5		8.0	8.0	27.4	27.4	95.5	95.5	6.6		9.6		6		95				<0.2	1.9								
					Middle	3.9	0.3	105	26.3	26.3	8.0	8.0	29.5	29.5	94.3	94.3	6.5	6.5	17.0	6	7	96	<0.2	2.1												
						3.9	0.3	106	26.3		8.0	8.0	29.5	29.5	94.3	94.3	6.5		17.0		6	97	<0.2	2.2												
					Bottom	6.7	0.3	96	26.1	26.1	8.0	8.0	30.8	30.8	94.4	94.4	6.4	6.4	26.7	8	99	<0.2	1.7													
						6.7	0.4	101	26.1		8.0	8.0	30.8	30.8	94.4	94.4	6.4		26.7		9	98	<0.2	1.7												
IM10	Sunny	Moderate	16:28	7.7	Surface	1.0	0.3	85	26.5	26.5	8.0	8.0	28.2	28.2	98.1	98.1	6.7	6.7	8.2	9.6	5	10	95	97	822248	809831	<0.2	1.9	1.7							
						1.0	0.4	93	26.5		8.0	8.0	28.2	28.2	98.1	98.1	6.7		8.2		4		96				<0.2	1.8								
					Middle	3.9	0.4	70	26.4	26.4	8.0	8.0	29.5	29.5	97.9	97.9	6.7	6.7	13.2	4	97	<0.2	1.7													
						3.9	0.4	74	26.4		8.0	8.0	29.5	29.5	97.9	97.9	6.7		13.2		4	97	<0.2	1.7												
					Bottom	6.7	0.3	49	26.3	26.3	8.0	8.0	31.1	31.1	97.6	97.6	6.6	6.6	7.3	20	99	<0.2	1.4													
						6.7	0.3	53	26.3		8.0	8.0	31.1	31.1	97.6	97.6	6.6		7.3		21	98	<0.2	1.4												
IM11	Cloudy	Moderate	16:37	8.0	Surface	1.0	0.3	96	26.4	26.4	8.0	8.0	29.1	29.1	99.5	99.5	6.8	6.8	5.6	4.4	6	8	95	97	821486	810560	<0.2	1.7	1.5							
						1.0	0.3	104	26.4		8.0	8.0	29.1	29.1	99.5	99.5	6.8		5.6		7		96				<0.2	1.7								
					Middle	4.0	0.3	96	26.3	26.3	8.0	8.0	30.3	30.3	98.5	98.5	6.7	6.7	4.6	8	97	<0.2	1.4													
						4.0	0.3	105	26.3		8.0	8.0	30.3	30.3	98.5	98.5	6.7		4.6		9	97	<0.2	1.5												
					Bottom	7.0	0.3	104	26.4	26.4	8.0	8.0	31.5	31.5	98.4	98.4	6.7	6.7	3.1	10	98	<0.2	1.2													
						7.0	0.3	112	26.4		8.0	8.0	31.5	31.5	98.4	98.4	6.7		3.1		9	99	<0.2	1.3												
IM12	Cloudy	Moderate	16:43	9.2	Surface	1.0	0.4	73	26.6	26.6	8.0	8.0	29.0	29.0	101.3	101.3	6.9	6.8	6.0	7.1	5	5	96	98	821164	811531	<0.2	1.6	1.5							
						1.0	0.4	79	26.6		8.0	8.0	29.0	29.0	101.3	101.3	6.9		6.0		5		96				<0.2	1.7								
					Middle	4.6	0.2	89	26.3	26.3	8.0	8.0	31.6	31.6	97.3	97.3	6.6	6.6	10.0	4	97	<0.2	1.6													
						4.6	0.2	93	26.3		8.0	8.0	31.6	31.6	97.3	97.3	6.6		10.0		6	98	<0.2	1.6												
					Bottom	8.2	0.3	92	26.3	26.3	8.0	8.0	31.7	31.7	98.0	98.0	6.6	6.6	5.3	5	99	<0.2	1.1													
						8.2	0.3	99	26.3		8.0	8.0	31.7	31.7	98.0	98.0	6.6		5.3		6	99	<0.2	1.1												
SR2	Cloudy	Moderate	17:06	4.6	Surface	1.0	0.2	68	26.5	26.5	8.0	8.0	31.1	31.1	100.2	100.2	6.8	6.8	2.4	2.7	4	4	96	98	821456	814178	<0.2	1.0	0.9							
						1.0	0.3	68	26.5		8.0	8.0	31.1	31.1	100.2	100.2	6.8		2.5		4		96				<0.2	1.0								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	-
					Bottom	3.6	0.2	64	26.5	26.5	8.0	8.0	31.2	31.2	100.1	100.1	6.8	6.8	2.9	4	99	<0.2	0.8													
						3.6	0.2	67	26.5		8.0	8.0	31.2	31.2	100.1	100.1	6.8		2.9		4	99	<0.2	0.9												
SR3	Sunny	Moderate	16:11	8.6	Surface	1.0	0.2	107	26.3	26.3	8.0	8.0	28.5	28.5	97.6	97.6	6.7	6.7	3.8	6.4	4	6	-	-	822158	807579	-	-	-							
						1.0	0.2	117	26.3		8.0	8.0	28.5	28.5	97.6	97.6	6.7		3.8		4		-				-									
					Middle	4.3	0.2	80	26.2	26.2	8.0	8.0	29.0	29.0	96.9	96.9	6.7	6.7	6.1	6	-	-	-													
						4.3	0.2	83	26.2		8.0	8.0	29.0	29.0	96.9	96.9	6.7		6.1		5	-	-													
					Bottom	7.6	0.2	69	26.1	26.1	8.0	8.0	30.4	30.4	96.1	96.1	6.6	6.6	9.2	8	-	-	-													
						7.6	0.3	71	26.1		8.0	8.0	30.4	30.4	96.1	96.1	6.6		9.2		7	-	-													
SR4A	Cloudy	Moderate	17:12	8.3	Surface	1.0	0.2	82	26.5	26.5	8.0	8.0	31.4	31.4	103.0	102.8	7.0	6.9	4.8	6.6	6	7	-	-	817188	807797	-	-	-							
						1.0	0.2	82	26.5		8.0	8.0	31.4	31.4	102.6	102.6	6.9		5.0		7		-				-									
					Middle	4.2	0.1	61	26.5	26.5	8.0	8.0	31.9	31.9	101.2	101.2	6.8	6.8	7.4	6	-	-	-													
						4.2	0.1	65	26.5		8.0	8.0	31.9	31.9	101.1	101.1	6.8		7.3		6	-	-													
					Bottom	7.3	0.1	52	26.4	26.4	8.0	8.0	32.0	32.0	101.1	101.3	6.8	6.8	7.4	8	-	-	-													
						7.3	0.1	54	26.4		8.0	8.0	32.0	32.0	101.4	101.3	6.8		7.4		9	-	-													
SR5A	Cloudy	Moderate	17:27	4.4	Surface	1.0	0.0	197	26.3	26.3	8.0	8.0	32.1	32.1	102.7	102.6	6.9	6.9	5.5	6.3	8	9	-	-	816610	810713	-	-	-							
						1.0	0.0	212	26.3		8.0	8.0	32.1	32.1	102.4	102.4	6.9		5.6		10		-				-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	-
					Bottom	3.4	0.0	223	26.1	26.1	8.0	8.0	32.2	32.2	99.9	100.1	6.8	6.8	6.9	10	-	-	-													
						3.4	0.0	226	26.1		8.0	8.0	32.2	32.2	100.2	100.1	6.8		7.0		10	-	-													
SR6	Cloudy	Moderate	17:49	4.2	Surface	1.0	0.0	137	26.4	26.4	8.1	8.1	31.7	31.7	108.5	108.6	7.3	7.3	4.6	6.2	6	7	-	-	817904	814679	-	-	-							
						1.0	0.0	141	26.4		8.1	8.1	31.7	31.7	108.6	108.6	7.3		4.7		6		-				-									
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-		
						-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-		-	-	-	-	-	-	
					Bottom	3.2	0.0	66	26.1	26.1	8.0	8.0	32.1	32.1	106.4	105.8	7.2	7.2	7.7	8	-	-	-													
						3.2	0.0	71	26.1		8.0	8.0	32.1	32.1	105.1	105.8	7.1		7.6		8	-	-													
SR7	Cloudy	Moderate	17:56	18.2	Surface	1.0	0.3	99	26.8	26.8	7.9	7.9	32.1	32.1	85.8	85.8	5.7	5.7	3.7	4.5	6	7	-	-	823644	823747	-	-	-							
						1.0	0.4	102	26.8		7.9	7.9	32.1	32.1	85.8	85.8	5.7		3.7		7		-				-									
					Middle	9.1	0.2	87	26.8	26.8	7.9	7.9	32.1	32.1	85.5	85.5	5.7	5.7	4.5	8	-	-	-													
						9.1	0.2	88	26.8		7.9	7.9	32.1	32.1	85.5	85.5	5.7		4.5		8	-	-													
					Bottom	17.2	0.1	94	26.8	26.8	7.9	7.9	32.0	32.0	86.2	86.2	5.8	5.8	5.3	8	-	-	-													
						17.2	0.1	98	26.8		7.9	7.9	32.0	32.0	86.2	86.2	5.8		5.3		6	-	-													
SR8	Cloudy	Moderate	16:54	4.5	Surface	1.0	-	-	26.5	26.5	8.0																									

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 October 17 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	Value	DA	Value	DA
C1	Sunny	Moderate	12:08	8.5	Surface	1.0	0.2	32	26.0	26.0	8.0	8.0	31.6	31.6	97.5	97.5	6.6	6.6	5.3	6.6	5	98	97	815628	804256	<0.2	<0.2	0.9	0.9							
						1.0	0.2	33	26.0	8.0	8.0	31.6	31.6	97.5	97.5	6.6	6.6	5.6	6.6	6	98	97	815628	804256	<0.2	<0.2	1.0	1.0								
						4.3	0.3	47	25.9	25.9	8.0	8.0	32.0	32.0	95.5	95.5	6.5	6.5	11.9	6.5	6	93	93	815628	804256	<0.2	<0.2	0.8	0.8							
					Middle	4.3	0.3	50	25.9	25.9	8.0	8.0	32.0	32.0	95.5	95.5	6.5	6.5	12.0	6.5	7	93	93	815628	804256	<0.2	<0.2	0.8	0.8							
						7.5	0.3	37	25.9	25.9	8.0	8.0	32.1	32.1	96.8	96.8	6.6	6.6	20.6	6.6	9	101	101	815628	804256	<0.2	<0.2	0.8	0.8							
						7.5	0.3	37	25.9	25.9	8.0	8.0	32.1	32.1	96.9	96.9	6.6	6.6	20.5	6.6	7	101	101	815628	804256	<0.2	<0.2	1.0	1.0							
C2	Sunny	Moderate	13:00	11.6	Surface	1.0	0.0	116	26.6	26.6	7.9	7.9	24.9	24.9	92.0	92.0	6.4	6.4	5.5	6.4	6	94	96	825701	806929	<0.2	<0.2	1.5	1.5							
						1.0	0.0	125	26.6	26.6	7.9	7.9	24.9	24.9	92.0	92.0	6.4	6.4	5.5	6.4	6	95	96	825701	806929	<0.2	<0.2	1.2	1.2							
						5.8	0.3	15	26.2	26.2	7.9	7.9	29.6	29.6	89.9	89.9	6.2	6.2	11.0	6.2	5	96	96	825701	806929	<0.2	<0.2	1.2	1.2							
					Middle	5.8	0.3	15	26.2	26.2	7.9	7.9	29.6	29.6	89.9	89.9	6.2	6.2	11.0	6.2	7	95	95	825701	806929	<0.2	<0.2	0.7	0.7							
						10.6	0.2	339	26.4	26.4	7.9	7.9	31.2	31.2	90.2	90.2	6.1	6.1	18.4	6.1	13	98	98	825701	806929	<0.2	<0.2	0.7	0.7							
						10.6	0.2	357	26.4	26.4	7.9	7.9	31.2	31.2	90.2	90.2	6.1	6.1	18.4	6.1	13	98	98	825701	806929	<0.2	<0.2	0.7	0.7							
C3	Sunny	Moderate	11:01	12.1	Surface	1.0	0.3	269	26.5	26.5	8.0	8.0	31.9	31.9	92.0	92.0	6.2	6.2	4.9	6.2	3	96	99	822120	817803	<0.2	<0.2	0.4	0.4							
						1.0	0.3	275	26.5	26.5	8.0	8.0	31.9	31.9	92.0	92.0	6.2	6.2	4.9	6.2	3	96	99	822120	817803	<0.2	<0.2	0.3	0.3							
						6.1	0.4	267	26.3	26.3	7.9	7.9	32.2	32.2	90.1	90.1	6.1	6.1	9.9	6.1	5	98	98	822120	817803	<0.2	<0.2	0.3	0.3							
					Middle	6.1	0.5	276	26.3	26.3	7.9	7.9	32.2	32.2	90.1	90.1	6.1	6.1	9.9	6.1	6	99	99	822120	817803	<0.2	<0.2	0.3	0.3							
						11.1	0.3	262	26.4	26.4	7.9	7.9	32.3	32.3	90.4	90.4	6.1	6.1	30.6	6.1	28	102	102	822120	817803	<0.2	<0.2	0.3	0.3							
						11.1	0.3	262	26.4	26.4	7.9	7.9	32.3	32.3	90.5	90.5	6.1	6.1	30.3	6.1	27	102	102	822120	817803	<0.2	<0.2	0.4	0.4							
IM1	Sunny	Moderate	12:25	7.4	Surface	1.0	0.3	19	26.1	26.1	8.0	8.0	30.4	30.4	97.0	96.9	6.6	6.6	5.4	6.6	5	104	100	818339	806477	<0.2	<0.2	0.7	0.7							
						1.0	0.3	19	26.1	26.1	8.0	8.0	30.4	30.4	96.8	96.8	6.6	6.6	5.8	6.6	3	104	100	818339	806477	<0.2	<0.2	0.8	0.8							
						3.7	0.3	10	25.9	25.9	8.0	8.0	31.9	31.9	95.4	95.5	6.5	6.5	10.0	6.5	7	96	96	818339	806477	<0.2	<0.2	0.7	0.7							
					Middle	3.7	0.3	10	25.9	25.9	8.0	8.0	31.9	31.9	95.5	95.5	6.5	6.5	10.2	6.5	5	97	97	818339	806477	<0.2	<0.2	0.7	0.7							
						6.4	0.2	346	25.9	25.9	8.0	8.0	32.0	32.0	96.5	96.8	6.6	6.6	13.8	6.6	5	98	98	818339	806477	<0.2	<0.2	0.6	0.6							
						6.4	0.3	318	25.9	25.9	8.0	8.0	32.0	32.0	97.0	96.8	6.6	6.6	13.5	6.6	5	98	98	818339	806477	<0.2	<0.2	0.6	0.6							
IM2	Sunny	Moderate	12:30	8.4	Surface	1.0	0.2	16	25.9	25.9	8.0	8.0	30.8	30.8	96.6	96.5	6.6	6.6	6.6	6.6	7	98	98	818853	806197	<0.2	<0.2	0.9	0.9							
						1.0	0.2	17	25.9	25.9	8.0	8.0	30.8	30.8	96.4	96.5	6.6	6.6	6.9	6.6	6	98	98	818853	806197	<0.2	<0.2	0.9	0.9							
						4.2	0.2	13	25.8	25.8	8.0	8.0	31.4	31.4	94.2	94.2	6.4	6.4	17.5	6.4	7	97	97	818853	806197	<0.2	<0.2	0.9	0.9							
					Middle	4.2	0.2	14	25.8	25.8	8.0	8.0	31.4	31.4	94.2	94.2	6.4	6.4	17.1	6.4	7	97	97	818853	806197	<0.2	<0.2	0.8	0.8							
						7.4	0.2	355	25.8	25.8	8.0	8.0	31.7	31.7	95.5	95.7	6.5	6.5	20.6	6.5	9	97	97	818853	806197	<0.2	<0.2	0.7	0.7							
						7.4	0.2	327	25.8	25.8	8.0	8.0	31.7	31.7	95.9	95.7	6.5	6.5	20.5	6.5	9	98	98	818853	806197	<0.2	<0.2	0.6	0.6							
IM3	Sunny	Moderate	12:36	8.7	Surface	1.0	0.3	36	25.9	25.8	8.0	8.0	30.9	30.9	96.0	95.9	6.6	6.6	6.1	6.6	6	98	100	819410	806004	<0.2	<0.2	0.8	0.8							
						1.0	0.3	37	25.8	25.8	8.0	8.0	30.9	30.9	95.8	95.8	6.5	6.5	6.4	6.5	5	98	98	819410	806004	<0.2	<0.2	0.9	0.9							
						4.4	0.3	36	25.8	25.8	8.0	8.0	31.4	31.4	94.6	94.7	6.5	6.5	10.4	6.5	6	97	97	819410	806004	<0.2	<0.2	0.8	0.8							
					Middle	4.4	0.3	38	25.8	25.8	8.0	8.0	31.4	31.4	94.7	94.7	6.5	6.5	10.2	6.5	7	97	97	819410	806004	<0.2	<0.2	1.0	1.0							
						7.7	0.1	352	25.9	25.9	8.0	8.0	32.0	32.0	96.2	96.5	6.5	6.5	8.4	6.5	6	105	105	819410	806004	<0.2	<0.2	0.7	0.7							
						7.7	0.1	355	25.9	25.9	8.0	8.0	32.0	32.0	96.7	96.6	6.6	6.6	8.5	6.6	6	105	105	819410	806004	<0.2	<0.2	0.8	0.8							
IM4	Sunny	Moderate	12:43	7.8	Surface	1.0	0.3	1	25.9	25.9	8.0	8.0	30.7	30.7	97.9	97.9	6.7	6.7	5.5	6.7	6	93	96	819563	805055	<0.2	<0.2	1.1	1.1							
						1.0	0.3	1	25.9	25.9	8.0	8.0	30.7	30.7	97.9	97.9	6.7	6.7	5.6	6.7	6	93	96	819563	805055	<0.2	<0.2	0.9	0.9							
						3.9	0.3	22	25.7	25.7	8.0	8.0	31.2	31.2	95.8	95.8	6.6	6.6	13.6	6.6	5	96	96	819563	805055	<0.2	<0.2	1.0	1.0							
					Middle	3.9	0.3	22	25.7	25.7	8.0	8.0	31.2	31.2	95.7	95.8	6.6	6.6	13.8	6.6	5	96	96	819563	805055	<0.2	<0.2	1.1	1.1							
						6.8	0.2	7	25.6	25.6	8.0	8.0	31.3	31.3	94.9	94.9	6.5	6.5	18.4	6.5	5	98	98	819563	805055	<0.2	<0.2	0.7	0.7							
						6.8	0.2	7	25.6	25.6	8.0	8.0	31.3	31.3	95.0	95.0	6.5	6.5	18.1	6.5	5	98	98	819563	805055	<0.2	<0.2	0.8	0.8							
IM5	Sunny	Moderate	12:52	7.0	Surface	1.0	0.4	4	26.2	26.2	8.0	8.0	29.8	29.7	97.3	97.3	6.7	6.7	5.2	6.7	6	102	102	820546	804930	<0.2	<0.2	1.6	1.6							
						1.0	0.4	4	26.2	26.2	8.0	8.0	29.7	29.7	97.2	97.3	6.7	6.7	5.3	6.7	4	102	102	820546	804930	<0.2	<0.2	1.4	1.4							
						3.5	0.3	359	25.7	25.7	8.0	8.0	31.1	31.1	95.5	95.6	6.5	6.5	12.0	6.5	7	105	105	820546	804930	<0.2	<0.2	1.3	1.3							
					Middle	3.5	0.3	330	25.7	25.7	8.0	8.0	31.1	31.1	95.6	95.6	6.6	6.6	12.1	6.6	4	105	105	820546	804930	<0.2	<0.2	1.2	1.2							
						6.0	0.2	16	25.6	25.6	8.0	8.0	31.1	31.1</																						

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

Water Quality Monitoring

Water Quality Monitoring Results on 26 October 17 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	Value	DA	Value	DA
IM9	Sunny	Moderate	12:24	7.2	Surface	1.0	0.2	42	26.7	7.9	7.9	26.1	26.1	96.7	96.7	6.7	6.7	4.0	6.7	5	96	97	822107	808792	<0.2	<0.2	2.9	2.4								
						1.0	0.2	42	26.7	7.9	7.9	26.1	26.1	96.7	96.7	6.7	6.7	4.0	6.7	4	96	97	<0.2	<0.2	3.0	2.8										
					Middle	3.6	0.1	48	26.3	26.3	8.0	8.0	28.7	28.7	96.0	96.0	6.6	6.6	7.3	7.3	3	97	97	<0.2	<0.2	2.4	2.4									
						3.6	0.1	51	26.3	26.3	8.0	8.0	28.7	28.7	96.0	96.0	6.6	6.6	7.3	7.3	5	97	97	<0.2	<0.2	1.7	1.7									
					Bottom	6.2	0.2	290	26.3	26.3	8.0	8.0	30.0	30.0	95.7	95.7	6.5	6.5	7.9	7.9	8	98	98	<0.2	<0.2	1.2	1.2									
						6.2	0.2	296	26.3	26.3	8.0	8.0	30.0	30.0	95.7	95.7	6.5	6.5	7.9	7.9	6	99	99	<0.2	<0.2	1.7	1.7									
IM10	Sunny	Moderate	12:16	6.6	Surface	1.0	0.4	320	26.4	26.4	8.0	8.0	30.6	30.6	98.2	98.2	6.7	6.7	5.0	95	97	822223	809831	<0.2	<0.2	1.0	1.0									
						1.0	0.4	351	26.4	26.2	8.0	8.0	30.6	30.6	98.2	98.2	6.7	6.7	5.0	96	97	<0.2	<0.2	0.9	0.9											
					Middle	3.3	0.3	321	26.2	26.2	8.0	8.0	30.7	30.7	96.4	96.4	6.6	6.6	10.0	10.0	4	97	97	<0.2	<0.2	1.0	1.0									
						3.3	0.3	350	26.2	26.2	8.0	8.0	30.7	30.7	96.4	96.4	6.6	6.6	10.0	10.0	3	97	97	<0.2	<0.2	1.0	1.0									
					Bottom	5.6	0.2	323	26.0	26.0	8.0	8.0	31.2	31.2	95.1	95.1	6.5	6.5	18.4	18.4	27	99	99	<0.2	<0.2	0.7	0.7									
						5.6	0.2	343	26.0	26.0	8.0	8.0	31.2	31.2	95.1	95.1	6.5	6.5	18.4	18.4	27	98	98	<0.2	<0.2	1.2	1.2									
IM11	Sunny	Moderate	12:04	7.9	Surface	1.0	0.3	311	26.2	26.2	8.0	8.0	30.9	30.9	98.4	98.4	6.7	6.7	3.6	95	97	821512	810544	<0.2	<0.2	1.0	0.9									
						1.0	0.3	331	26.2	26.2	8.0	8.0	30.9	30.9	98.4	98.4	6.7	6.7	3.6	96	97	<0.2	<0.2	1.3	1.3											
					Middle	4.0	0.3	302	26.2	26.2	8.0	8.0	31.5	31.5	97.9	97.9	6.6	6.6	5.6	5.6	5	97	97	<0.2	<0.2	0.8	0.8									
						4.0	0.3	312	26.2	26.2	8.0	8.0	31.5	31.5	97.9	97.9	6.6	6.6	5.6	5.6	7	97	97	<0.2	<0.2	1.0	1.0									
					Bottom	6.9	0.2	307	26.0	26.0	8.0	8.0	31.6	31.6	96.6	96.6	6.6	6.6	11.4	11.4	14	99	99	<0.2	<0.2	0.7	0.7									
						6.9	0.2	323	26.0	26.0	8.0	8.0	31.6	31.6	96.6	96.6	6.6	6.6	11.4	11.4	13	99	99	<0.2	<0.2	0.7	0.7									
IM12	Sunny	Moderate	11:56	7.0	Surface	1.0	0.4	300	26.4	26.4	8.0	8.0	31.2	31.2	98.7	98.7	6.7	6.7	4.6	95	97	821172	811507	<0.2	<0.2	1.0	0.9									
						1.0	0.4	329	26.4	26.3	8.0	8.0	31.2	31.2	98.7	98.7	6.7	6.7	4.6	96	97	<0.2	<0.2	1.0	1.0											
					Middle	3.5	0.4	299	26.3	26.3	8.0	8.0	31.3	31.3	97.5	97.5	6.6	6.6	6.1	6.1	5	97	97	<0.2	<0.2	1.0	1.0									
						3.5	0.4	320	26.3	26.3	8.0	8.0	31.3	31.3	97.5	97.5	6.6	6.6	6.1	6.1	6	97	97	<0.2	<0.2	0.8	0.8									
					Bottom	6.0	0.3	283	26.1	26.1	8.0	8.0	31.6	31.6	96.5	96.5	6.5	6.5	10.3	10.3	7	99	99	<0.2	<0.2	0.7	0.7									
						6.0	0.3	286	26.1	26.1	8.0	8.0	31.6	31.6	96.5	96.5	6.5	6.5	10.3	10.3	8	99	99	<0.2	<0.2	0.7	0.7									
SR2	Sunny	Moderate	11:22	4.5	Surface	1.0	0.2	344	26.4	26.4	8.0	8.0	31.4	31.4	96.1	96.1	6.5	6.5	7.3	98	98	821481	814179	<0.2	<0.2	0.9	0.9									
						1.0	0.2	359	26.4	26.3	8.0	8.0	31.4	31.4	96.1	96.1	6.5	6.5	7.3	97	97	<0.2	<0.2	0.9	0.9											
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Bottom	3.5	0.1	335	26.3	26.3	8.0	8.0	31.7	31.7	95.2	95.2	6.4	6.4	5.5	5.5	7	99	99	<0.2	<0.2	1.0	1.0									
						3.5	0.1	340	26.3	26.3	8.0	8.0	31.7	31.7	95.2	95.2	6.4	6.4	5.5	5.5	7	99	99	<0.2	<0.2	0.9	0.9									
SR3	Sunny	Moderate	12:39	9.0	Surface	1.0	0.0	13	26.6	26.6	7.9	7.9	26.8	26.8	93.9	93.9	6.5	6.5	2.6	-	-	822137	807569	-	-	-	-									
						1.0	0.0	13	26.6	26.2	7.9	7.9	26.8	26.8	93.9	93.9	6.5	6.5	2.6	2	-	-	-	-												
					Middle	4.5	0.1	23	26.2	26.2	7.9	7.9	28.3	28.3	92.6	92.6	6.4	6.4	3.6	3	-	-	-	-	-	-	-	-								
						4.5	0.1	23	26.2	26.3	7.9	7.9	28.3	28.3	92.6	92.6	6.4	6.4	3.6	3	-	-	-	-	-	-	-	-								
					Bottom	8.0	0.1	107	26.3	26.3	7.9	7.9	30.4	30.4	93.6	93.6	6.4	6.4	4.5	4	-	-	-	-	-	-	-	-								
						8.0	0.1	117	26.3	26.3	7.9	7.9	30.4	30.4	93.6	93.6	6.4	6.4	4.5	4	-	-	-	-	-	-	-	-								
SR4A	Sunny	Moderate	11:48	9.2	Surface	1.0	0.1	240	26.0	26.0	8.0	8.0	32.1	32.1	97.1	97.1	6.6	6.6	6.2	8	8	817177	807816	-	-	-	-									
						1.0	0.1	244	26.0	26.0	8.0	8.0	32.1	32.1	97.1	97.1	6.6	6.6	6.3	7	-	-	-	-												
					Middle	4.6	0.0	122	26.0	26.0	8.0	8.0	32.2	32.2	96.5	96.5	6.5	6.5	6.3	6	-	-	-	-	-	-	-									
						4.6	0.0	129	26.0	26.0	8.0	8.0	32.2	32.2	96.5	96.5	6.5	6.5	6.3	7	-	-	-	-	-	-	-									
					Bottom	8.2	0.0	287	25.9	25.9	8.0	8.0	32.2	32.2	96.6	96.6	6.6	6.6	6.5	6.5	11	-	-	-	-	-	-	-								
						8.2	0.0	292	25.9	25.9	8.0	8.0	32.2	32.2	96.6	96.6	6.6	6.6	6.5	6.5	9	-	-	-	-	-	-	-								
SR5A	Sunny	Moderate	11:32	4.8	Surface	1.0	0.1	295	26.0	26.0	8.0	8.0	31.9	31.9	101.5	101.5	6.9	6.9	5.3	9	9	816576	810707	-	-	-	-									
						1.0	0.1	323	26.0	25.9	8.0	8.0	31.9	31.9	101.4	101.4	6.9	6.9	5.5	7	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	3.8	0.1	295	25.9	25.9	8.0	8.0	31.9	31.9	100.3	100.3	6.8	6.8	6.4	6.4	11	-	-	-	-	-	-	-								
						3.8	0.1	300	25.9	25.9	8.0	8.0	31.9	31.9	100.4	100.4	6.8	6.8	6.4	10	-	-	-	-	-	-	-									
SR6	Sunny	Moderate	11:10	4.1	Surface	1.0	0.2	253	26.2	26.2	8.0	8.0	31.3	31.3	98.1	98.1	6.7	6.7	5.8	6	6	817889	814666	-	-	-	-									
						1.0	0.2	258	26.2	26.2	8.0	8.0	31.3	31.3	98.1	98.1	6.6	6.6	5.8	5	-	-	-	-												
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	3.1	0.1	269	26.2	26.2	8.0	8.0	31.5	31.5	97.4	97.4	6.6	6.6	6.1	6.1	6	-	-	-	-	-	-									
						3.1	0.1	282	26.3	26.3	7.9	7.9	31.5	31.5	97.4	97.4	6.6	6.6	5.7	5.7	7	-	-	-	-	-	-									
SR7	Sunny	Moderate	10:26	17.4	Surface	1.0	0.1	16	26.7	26.7	7.9	7.9																								

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 October 17 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	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value	Value			Value	Value	Value	Value	Value	Value
C1	Fine	Moderate	06:21	8.9	Surface	1.0	0.4	223	25.5	8.0	8.0	30.6	30.6	97.4	97.3	6.7	6.6	1.9	4	92	95	815606	804230	<0.2	1.2	1.2						
						1.0	0.4	226	25.5	25.5	8.0	8.0	30.6	30.6	97.2	97.3	6.7	6.6	2.0	6	91	95	<0.2	1.1								
						4.5	0.4	217	26.0	26.0	8.0	8.0	32.1	32.1	94.1	94.1	6.4	6.6	5.1	2	94	95	<0.2	1.2								
					Middle	4.5	0.4	226	26.0	26.0	8.0	8.0	32.1	32.1	94.1	94.1	6.4	6.6	5.1	4	95	95	<0.2	1.1								
						7.9	0.2	226	26.0	26.0	8.0	8.0	32.2	32.2	97.2	97.3	6.6	6.6	7.0	10	98	99	<0.2	1.1								
						7.9	0.3	230	26.0	26.0	8.0	8.0	32.2	32.2	97.4	97.3	6.6	6.6	7.0	8	99	99	<0.2	1.2								
C2	Cloudy	Moderate	07:06	11.4	Surface	1.0	0.6	166	26.2	26.2	7.9	7.9	28.9	28.9	92.2	92.1	6.3	6.2	3.8	5	94	97	<0.2	2.4	1.6							
						1.0	0.6	166	26.2	26.2	7.9	7.9	29.0	28.9	91.9	92.1	6.3	6.2	3.8	3	94	97	<0.2	2.1								
						5.7	0.4	162	26.6	26.6	7.9	7.9	31.5	31.6	90.7	90.7	6.1	6.1	3.3	6	97	97	<0.2	1.5								
					Middle	5.7	0.4	175	26.6	26.6	7.9	7.9	31.6	31.6	90.7	90.7	6.1	6.1	3.6	4	97	97	<0.2	1.5								
						10.4	0.2	139	26.6	26.6	7.9	7.9	31.8	31.8	94.0	94.0	6.3	6.4	4.7	4	98	99	<0.2	1.0								
						10.4	0.2	150	26.6	26.6	7.9	7.9	31.8	31.8	95.2	94.6	6.4	6.4	4.2	5	99	99	<0.2	0.9								
C3	Cloudy	Moderate	05:08	11.7	Surface	1.0	0.1	101	26.2	26.2	8.0	8.0	30.9	31.0	95.2	95.1	6.5	6.3	1.4	2	94	96	<0.2	1.1	1.0							
						1.0	0.1	104	26.2	26.2	8.0	8.0	31.0	31.0	94.9	95.1	6.4	6.3	1.3	4	95	96	<0.2	1.0								
						5.9	0.2	68	26.5	26.5	8.0	8.0	31.8	31.8	92.3	92.2	6.2	6.2	1.3	4	96	96	<0.2	1.0								
					Middle	5.9	0.2	69	26.5	26.5	8.0	8.0	31.8	31.8	92.0	92.2	6.2	6.2	1.3	5	96	96	<0.2	1.0								
						10.7	0.1	69	26.7	26.7	7.9	7.9	32.2	32.2	92.9	93.2	6.2	6.3	2.4	6	98	98	<0.2	1.0								
						10.7	0.1	71	26.7	26.7	7.9	7.9	32.2	32.2	93.5	93.2	6.3	6.3	2.4	8	98	98	<0.2	1.0								
IM1	Sunny	Moderate	06:42	7.4	Surface	1.0	0.3	196	25.4	25.4	8.0	8.0	30.0	30.0	97.1	97.1	6.7	6.5	3.6	6	88	94	<0.2	1.2	1.3							
						1.0	0.3	204	25.4	25.4	8.0	8.0	30.0	30.0	97.1	97.1	6.7	6.5	3.6	6	89	94	<0.2	1.4								
						3.7	0.2	191	26.0	26.0	8.0	8.0	31.7	31.7	93.4	93.4	6.3	6.3	4.5	7	94	95	<0.2	1.2								
					Middle	3.7	0.2	195	26.0	26.0	8.0	8.0	31.7	31.7	93.4	93.4	6.3	6.3	4.5	5	95	95	<0.2	1.5								
						6.4	0.2	164	26.0	26.0	8.0	8.0	31.9	31.9	94.2	94.3	6.4	6.4	5.4	6	97	98	<0.2	1.2								
						6.4	0.2	177	26.0	26.0	8.0	8.0	31.9	31.9	94.3	94.3	6.4	6.4	5.4	6	98	98	<0.2	1.0								
IM2	Sunny	Moderate	06:48	8.2	Surface	1.0	0.5	223	25.4	25.4	8.0	8.0	29.5	29.5	100.6	100.6	7.0	6.9	3.9	6	92	95	<0.2	1.3	1.2							
						1.0	0.5	228	25.4	25.4	8.0	8.0	29.5	29.5	100.6	100.6	7.0	6.9	4.0	4	92	94	<0.2	1.2								
						4.1	0.4	214	25.7	25.7	8.0	8.0	30.5	30.5	97.8	97.8	6.7	6.7	4.2	6	94	94	<0.2	1.2								
					Middle	4.1	0.4	233	25.7	25.7	8.0	8.0	30.5	30.5	97.8	97.8	6.7	6.7	4.2	4	94	94	<0.2	1.3								
						7.2	0.3	209	26.0	26.0	8.0	8.0	31.9	31.9	94.2	94.3	6.4	6.4	6.9	6	99	99	<0.2	1.2								
						7.2	0.3	209	26.0	26.0	8.0	8.0	31.9	31.9	94.3	94.3	6.4	6.4	6.9	7	100	100	<0.2	1.2								
IM3	Sunny	Moderate	06:55	8.5	Surface	1.0	0.3	213	25.5	25.5	8.0	8.0	30.0	30.1	101.1	101.1	7.0	6.8	3.6	4	91	95	<0.2	1.3	1.3							
						1.0	0.3	221	25.5	25.5	8.0	8.0	30.1	30.1	101.0	101.1	7.0	6.8	3.7	4	92	94	<0.2	1.3								
						4.3	0.4	204	25.9	25.9	8.0	8.0	31.2	31.2	96.4	96.4	6.6	6.6	7.0	6	94	95	<0.2	1.3								
					Middle	4.3	0.4	219	25.9	25.9	8.0	8.0	31.2	31.2	96.4	96.4	6.6	6.6	7.0	4	95	95	<0.2	1.3								
						7.5	0.3	196	25.9	25.9	8.0	8.0	31.4	31.4	98.3	98.3	6.7	6.7	7.4	5	97	97	<0.2	1.2								
						7.5	0.3	205	25.9	25.9	8.0	8.0	31.4	31.4	98.3	98.3	6.7	6.7	7.4	7	98	98	<0.2	1.3								
IM4	Sunny	Moderate	07:02	7.8	Surface	1.0	0.4	201	25.3	25.3	8.0	8.0	29.5	29.5	101.0	101.0	7.0	6.8	2.2	7	90	95	<0.2	1.2	1.2							
						1.0	0.4	212	25.3	25.3	8.0	8.0	29.5	29.5	100.9	100.9	7.0	6.8	2.2	5	91	95	<0.2	1.1								
						3.9	0.3	181	25.8	25.8	8.0	8.0	30.2	30.2	96.6	96.6	6.6	6.6	3.8	5	95	95	<0.2	1.4								
					Middle	3.9	0.4	184	25.8	25.8	8.0	8.0	30.2	30.2	96.5	96.6	6.6	6.6	3.9	6	95	95	<0.2	1.3								
						6.8	0.3	184	26.0	26.0	8.0	8.0	31.5	31.5	95.9	95.9	6.5	6.5	5.6	9	99	99	<0.2	1.2								
						6.8	0.3	192	26.0	26.0	8.0	8.0	31.5	31.5	95.9	95.9	6.5	6.5	5.6	9	98	98	<0.2	1.2								
IM5	Sunny	Moderate	07:14	6.8	Surface	1.0	0.5	192	25.3	25.3	8.0	8.0	28.5	28.5	100.3	100.3	7.0	6.9	2.3	5	90	95	<0.2	1.7	1.6							
						1.0	0.5	208	25.3	25.3	8.0	8.0	28.5	28.5	100.2	100.3	7.0	6.9	2.3	5	91	95	<0.2	1.6								
						3.4	0.4	193	25.6	25.6	8.0	8.0	30.3	30.2	99.1	99.1	6.8	6.8	3.3	5	94	95	<0.2	1.6								
					Middle	3.4	0.4	195	25.6	25.6	8.0	8.0	30.2	30.2	99.0	99.1	6.8	6.8	3.3	4	95	95	<0.2	1.6								
						5.8	0.3	192	26.0	26.0	8.0	8.0	31.3	31.3	97.1	97.1	6.6	6.6	5.3	7	99	99	<0.2	1.6								
						5.8	0.3	206	26.0	26.0	8.0	8.0	31.3	31.3	97.2	97.2	6.6	6.6	5.3	6	100	100	<0.2	1.6								
IM6	Sunny	Moderate	07:22	6.7	Surface	1.0	0.4	195	25.3	25.3	8.0	8.0	28.7	28.7	100.1	100.1	7.0	6.6	2.4	6	94	97	<0.2	1.7	1.7							
						1.0	0.4	205	25.3	25.3	8.0	8.0	28.7	28.7	100.1	100.1	7.0	6.6	2.4	5	94	97	<0.2	1.7								
						3.4	0.4	193	25.4	25.4	8.0	8.0	28.7	28.7	98.5	98.5	6.9	6.9	3.2	5	97	98	<0.2	1.6								
					Middle	3.4	0.4	193	25.4	25.4	8.0	8.0	28.7	28.7	98.4	98.5	6.9	6.9	3.2	6	98	98	<0.2	1.5								
						5.7	0.4	194	25.9	25.9	8.0	8.0	30.9	30.9	98.1	98.1	6.7	6.7	5.2	6	100	100	<0.2	1.8								
						5.7	0.4	196	25.9	25.9	8.0	8.0	30.9	30.9	98.3	98.2	6.7	6.7	5.2	6	101	101	<0.2	1.6								
IM7	Sunny	Moderate	07:30	8.1	Surface	1.0	0.3	211	25.6	25.6	8.0	8.0	29.1	29.1	96.8	96.8	6.7	6.6	3.5	4	95	98	<0.2	1.7	1.5							
						1.0	0.3	226	25.6	25.6	8.0	8.0	29.1	29.1	96.7	96.7	6.7	6.6	3.6	6	95	98	<0.2	1.8								
						4.1	0.2	171	25.9	25.9	8.0	8.0	30.6	30.6	95.2	95.2	6.5	6.5	5.8	4	98	99	<0.2	1.5								
					Middle	4.1	0.2	174	25.9	25.9	8.0	8.0	30.6	30.6	95.2	95.2	6.5	6.5	5.8	4	99	99	<0.2	1.7								
						7.1	0.1	174	25.9																							

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 October 17 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	Value	DA	Value	DA
C1	Fine	Moderate	18:14	8.9	Surface	1.0	0.1	117	25.8	25.8	8.1	8.1	29.5	29.5	109.2	109.2	7.5	7.0	5.4	10.4	5	7	91	91	815607	804261	<0.2	<0.2	1.7	1.6						
						1.0	0.1	128	25.8	8.1	8.1	29.5	29.5	109.2	109.2	7.5	7.0	5.4	10.4	7	7	91	91	<0.2	<0.2	1.5	1.5									
						4.5	0.2	57	26.1	26.1	8.0	8.0	32.4	32.4	96.3	96.3	6.5	6.5	11.3	6	6	97	96	<0.2	<0.2	1.6	1.6									
					4.5	0.2	59	26.1	26.1	8.0	8.0	32.4	32.4	96.3	96.3	6.5	6.5	11.3	6	6	96	96	<0.2	<0.2	1.6	1.6										
					7.9	0.2	39	26.1	26.1	8.0	8.0	32.5	32.5	101.0	101.0	6.8	6.8	14.6	6	6	102	102	<0.2	<0.2	1.6	1.6										
					7.9	0.2	39	26.1	26.1	8.0	8.0	32.5	32.5	101.0	101.0	6.8	6.8	14.6	6	6	102	102	<0.2	<0.2	1.4	1.4										
C2	Cloudy	Moderate	17:10	11.5	Surface	1.0	0.2	355	26.6	26.6	8.1	8.1	27.9	28.0	119.5	119.5	8.2	7.5	1.7	4.2	5	4	94	94	825671	806941	<0.2	<0.2	2.4	1.9						
						1.0	0.2	327	26.6	26.6	8.1	8.1	28.0	28.0	119.4	119.5	8.2	7.5	1.7	4.2	4	4	94	94	<0.2	<0.2	2.2	2.2								
						5.8	0.4	319	26.4	26.4	8.0	8.0	30.6	30.6	100.0	100.0	6.8	6.8	5.9	4	4	96	96	<0.2	<0.2	2.1	2.1									
					5.8	0.4	340	26.4	26.4	8.0	8.0	30.6	30.6	100.0	100.0	6.8	6.8	6.0	5	5	96	96	<0.2	<0.2	1.6	1.6										
					10.5	0.2	322	26.5	26.5	7.9	7.9	31.0	31.0	100.7	101.1	6.8	6.9	5.0	9	9	99	99	<0.2	<0.2	1.4	1.4										
					10.5	0.2	341	26.5	26.5	7.9	7.9	31.1	31.1	101.4	101.1	6.9	6.9	4.9	7	7	99	99	<0.2	<0.2	1.4	1.4										
C3	Cloudy	Moderate	18:45	12.2	Surface	1.0	0.1	163	26.5	26.5	8.0	8.0	31.6	31.6	93.4	93.2	6.3	6.3	1.4	2.7	3	2	96	96	822097	817822	<0.2	<0.2	0.6	0.4						
						1.0	0.1	174	26.5	26.5	8.0	8.0	31.6	31.6	92.9	93.2	6.3	6.3	1.4	2.7	2	2	96	96	<0.2	<0.2	0.5	0.5								
						6.1	0.0	211	26.7	26.7	7.9	7.9	31.9	31.9	92.3	92.7	6.2	6.2	3.1	5	5	99	99	<0.2	<0.2	0.4	0.4									
					6.1	0.0	231	26.7	26.7	7.9	7.9	31.9	31.9	93.0	92.7	6.2	6.2	3.2	5	5	99	99	<0.2	<0.2	0.4	0.4										
					11.2	0.0	306	26.7	26.7	7.9	7.9	31.9	31.9	98.1	98.9	6.6	6.7	3.6	6	6	99	99	<0.2	<0.2	0.4	0.4										
					11.2	0.0	322	26.7	26.7	7.9	7.9	32.0	31.9	99.7	98.9	6.7	6.7	3.5	5	5	100	100	<0.2	<0.2	0.3	0.3										
IM1	Fine	Moderate	17:55	7.7	Surface	1.0	0.3	87	26.0	26.0	8.1	8.1	30.4	30.4	120.4	120.4	8.2	8.1	2.9	5.0	2	4	90	89	818366	806451	<0.2	<0.2	0.7	0.8						
						1.0	0.3	91	26.0	26.0	8.1	8.1	30.4	30.4	120.3	120.4	8.2	8.1	2.9	5.0	4	4	89	89	<0.2	<0.2	1.0	1.0								
						3.9	0.3	81	26.1	26.1	8.1	8.1	30.6	30.6	116.6	116.5	8.0	8.1	4.6	4	4	95	95	<0.2	<0.2	0.8	0.8									
					3.9	0.3	84	26.1	26.1	8.1	8.1	30.6	30.6	116.4	116.5	7.9	7.9	4.7	2	2	97	97	<0.2	<0.2	0.8	0.8										
					6.7	0.0	115	26.2	26.2	8.1	8.1	31.0	31.0	111.8	111.8	7.6	7.6	7.4	5	5	101	101	<0.2	<0.2	0.8	0.8										
					6.7	0.0	123	26.2	26.2	8.1	8.1	31.0	31.0	111.7	111.8	7.6	7.6	7.4	6	6	102	102	<0.2	<0.2	0.9	0.9										
IM2	Fine	Moderate	17:50	8.5	Surface	1.0	0.2	102	25.9	25.9	8.1	8.1	30.3	30.3	117.5	117.5	8.0	7.9	3.6	5.2	4	4	92	91	818861	806195	<0.2	<0.2	0.9	0.8						
						1.0	0.2	110	25.9	25.9	8.1	8.1	30.3	30.3	117.5	117.5	8.0	7.9	3.6	5.2	5	4	91	96	<0.2	<0.2	0.8	0.8								
						4.3	0.1	181	26.0	26.0	8.1	8.1	30.7	30.7	113.5	113.5	7.7	7.7	4.9	4	4	96	96	<0.2	<0.2	0.9	0.9									
					4.3	0.1	187	26.0	26.0	8.1	8.1	30.7	30.7	113.4	113.5	7.7	7.7	4.9	4	4	97	97	<0.2	<0.2	0.8	0.8										
					7.5	0.1	137	26.1	26.1	8.0	8.0	31.2	31.2	109.6	109.6	7.5	7.5	7.0	4	4	100	100	<0.2	<0.2	0.8	0.8										
					7.5	0.1	150	26.1	26.1	8.0	8.0	31.2	31.2	109.6	109.6	7.5	7.5	7.1	5	5	99	99	<0.2	<0.2	0.7	0.7										
IM3	Fine	Moderate	17:43	8.8	Surface	1.0	0.1	67	26.0	26.0	8.1	8.1	30.1	30.1	115.5	115.4	7.9	7.7	3.4	5.1	3	4	90	89	819396	806020	<0.2	<0.2	0.8	0.9						
						1.0	0.1	72	26.0	26.0	8.1	8.1	30.1	30.1	115.3	115.4	7.9	7.7	3.4	5.1	4	4	89	89	<0.2	<0.2	1.1	1.1								
						4.4	0.2	21	26.0	26.0	8.1	8.1	30.6	30.6	108.8	108.7	7.4	7.4	4.6	3	3	93	93	<0.2	<0.2	0.7	0.7									
					4.4	0.2	21	26.0	26.0	8.1	8.1	30.6	30.6	108.6	108.7	7.4	7.4	4.6	3	3	93	93	<0.2	<0.2	1.0	1.0										
					7.8	0.1	34	25.9	25.9	8.0	8.0	31.3	31.3	103.0	103.0	7.0	7.0	7.4	4	4	99	99	<0.2	<0.2	1.0	1.0										
					7.8	0.2	35	25.9	25.9	8.0	8.0	31.3	31.3	103.0	103.0	7.0	7.0	7.4	4	4	99	99	<0.2	<0.2	1.0	1.0										
IM4	Sunny	Moderate	17:36	8.0	Surface	1.0	0.1	92	25.9	25.9	8.1	8.1	29.9	29.9	111.2	111.0	7.6	7.1	4.9	9.5	6	5	92	92	819554	805028	<0.2	<0.2	1.2	1.0						
						1.0	0.1	93	25.9	25.9	8.1	8.1	29.9	29.9	111.0	111.0	7.6	7.1	5.0	9.5	4	5	92	92	<0.2	<0.2	1.1	1.1								
						4.0	0.2	98	25.9	25.9	8.0	8.0	31.4	31.4	97.4	97.4	6.6	6.6	10.0	4	4	96	96	<0.2	<0.2	1.0	1.0									
					4.0	0.2	106	25.9	25.9	8.0	8.0	31.4	31.4	97.4	97.4	6.6	6.6	10.0	5	5	96	96	<0.2	<0.2	1.4	1.4										
					7.0	0.1	65	25.9	25.9	8.0	8.0	31.4	31.4	98.3	98.4	6.7	6.7	13.6	6	6	101	101	<0.2	<0.2	0.8	0.8										
					7.0	0.1	70	25.9	25.9	8.0	8.0	31.4	31.4	98.4	98.4	6.7	6.7	13.7	6	6	101	101	<0.2	<0.2	0.7	0.7										
IM5	Sunny	Moderate	17:24	7.2	Surface	1.0	0.2	66	25.9	25.9	8.1	8.1	29.7	29.7	112.6	112.2	7.7	7.1	5.4	10.7	6	5	89	89	820579	804932	<0.2	<0.2	1.0	1.0						
						1.0	0.2	67	25.9	25.9	8.1	8.1	29.7	29.7	111.7	112.2	7.7	7.1	5.6	10.7	5	5	89	89	<0.2	<0.2	1.2	1.2								
						3.6	0.1	44	25.9	25.9	8.0	8.0	31.3	31.3	95.5	95.5	6.5	6.5	13.3	6	6	94	94	<0.2	<0.2	0.9	0.9									
					3.6	0.1	44	25.9	25.9	8.0	8.0	31.3	31.3	95.5	95.5	6.5	6.5	13.3	5	5	94	94	<0.2	<0.2	1.0	1.0										
					6.2	0.1	29	26.0	26.0	8.0	8.0	31.5	31.5	97.6	97.6	6.6	6.6	13.2	5	5	98	98	<0.2	<0.2	1.0	1.0										
					6.2	0.1	29	26.0	26.0	8.0	8.0	31.5	31.5	97.6	97.6	6.6	6.6	13.2	4	4	98	98	<0.2	<0.2	1.1	1.1										
IM6	Sunny	Moderate	17:15	7.0	Surface	1.0	0.1	99	25.9	25.9	8.1	8.1	29.7	29.7	114.1	114.1	7.8	7.5	4.5	7.0	4	5	90	88	821050	805840	<0.2	<0.2	1.3	1.3						
						1.0	0.1	100	25.9	25.9	8.1	8.1	29.7	29.7	114.0	114.1	7.8	7.5	4.6	7.0	6	5	88	94	<0.2	<0.2	1.4	1.1								
						3.5																														

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

Water Quality Monitoring

Water Quality Monitoring Results on 28 October 17 during Mid-Flood Tide

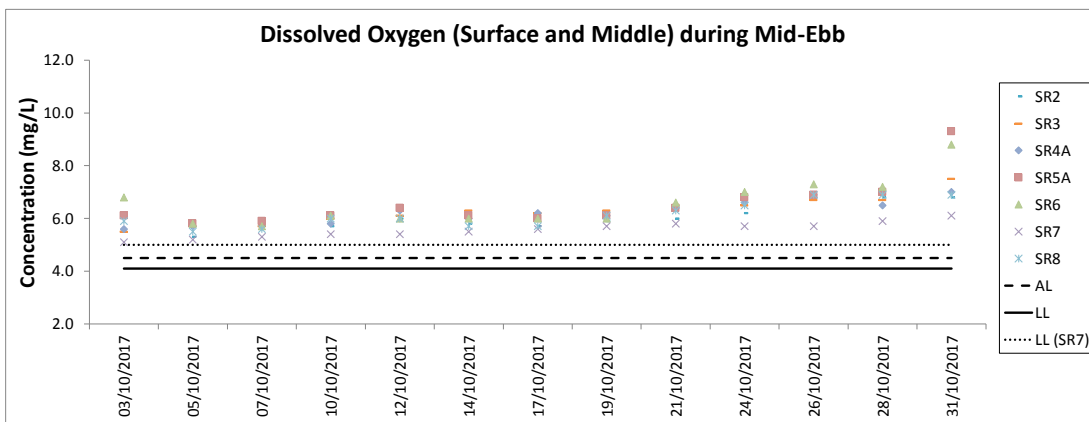
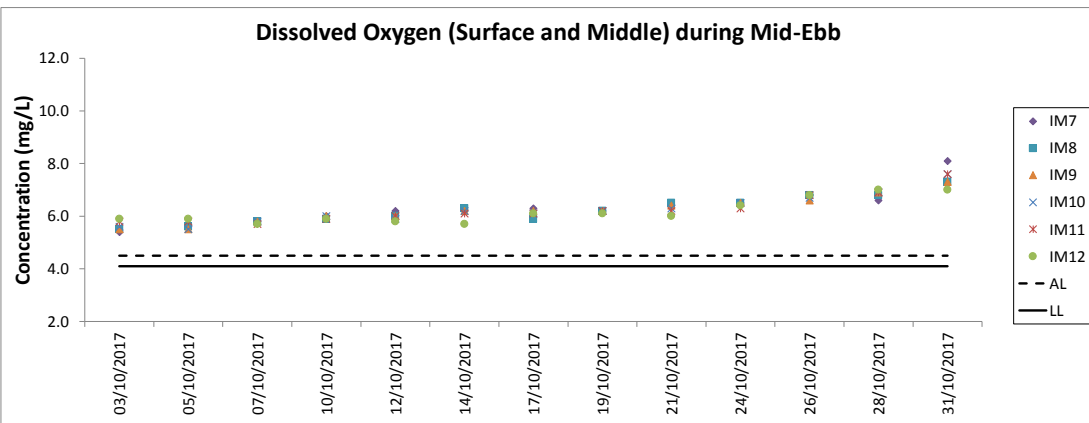
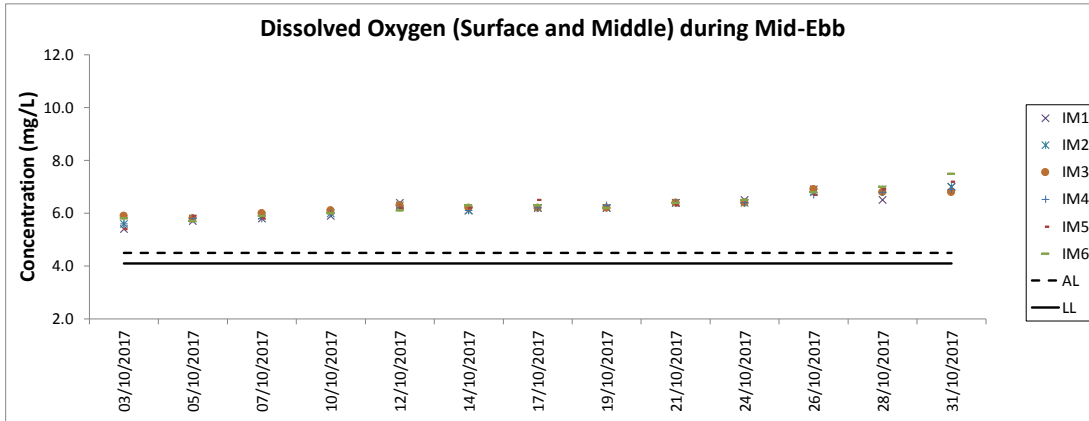
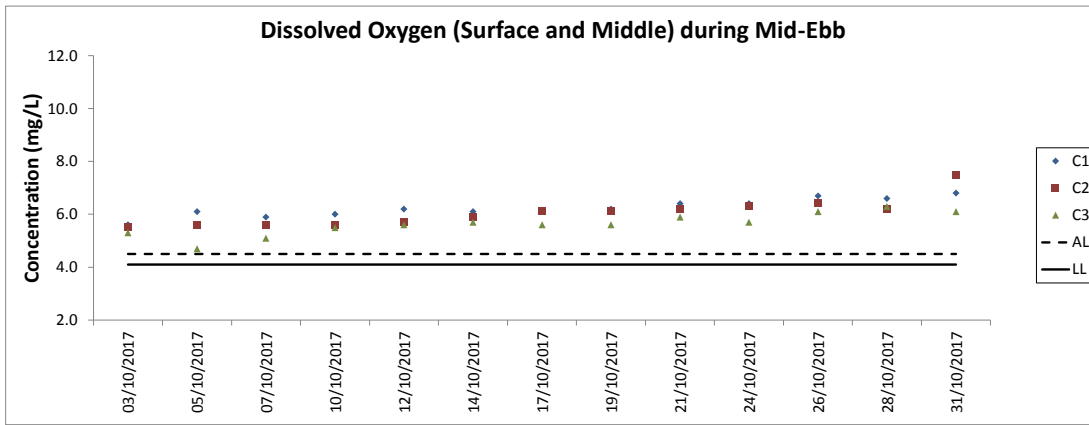
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:38	7.6	Surface	1.0	0.2	62	26.4	26.4	8.1	8.1	28.3	28.3	117.0	116.9	8.0	7.8	4.6	7.3	5	6	96	99	822112	808827	<0.2	<0.2	2.2	2.1						
						1.0	0.2	62	26.4	26.4	8.1	8.1	28.3	28.3	116.7	116.9	8.0	7.8	4.9	7.3	5	6	96	99	<0.2	<0.2	2.3	2.1								
					Middle	3.8	0.2	82	26.4	26.4	8.1	8.1	29.2	29.2	112.1	112.0	7.7	7.5	8.8	7.5	6	6	99	99	<0.2	<0.2	2.2	2.1								
						3.8	0.2	88	26.4	26.4	8.1	8.1	29.2	29.2	111.8	112.0	7.6	7.5	8.4	7.5	6	6	99	99	<0.2	<0.2	2.1	2.1								
					Bottom	6.6	0.0	10	26.3	26.3	8.0	8.0	30.2	30.2	110.0	110.1	7.5	7.5	8.3	7.5	7	7	100	98	<0.2	<0.2	2.0	2.1								
						6.6	0.0	10	26.3	26.3	8.1	8.0	30.2	30.2	110.1	110.1	7.5	7.5	8.7	7.5	7	7	101	98	<0.2	<0.2	2.0	2.0								
IM10	Cloudy	Moderate	17:45	7.3	Surface	1.0	0.1	51	26.3	26.3	8.1	8.1	28.7	28.7	118.5	118.5	8.1	8.0	5.1	7.2	4	9	96	99	822259	809854	<0.2	<0.2	2.2	2.2						
						1.0	0.1	54	26.3	26.4	8.1	8.1	28.7	28.7	118.4	118.5	8.1	8.0	5.6	7.2	3	9	97	99	<0.2	<0.2	2.3	2.2								
					Middle	3.7	0.2	356	26.4	26.4	8.1	8.1	30.3	30.3	114.3	114.2	7.8	7.6	8.6	7.6	12	9	98	99	<0.2	<0.2	2.4	2.2								
						3.7	0.2	328	26.4	26.4	8.1	8.1	30.3	30.3	114.0	114.2	7.8	7.6	9.2	7.6	12	9	99	99	<0.2	<0.2	2.3	2.2								
					Bottom	6.3	0.1	353	26.4	26.4	8.0	8.0	30.7	30.7	111.2	111.5	7.5	7.5	7.5	7.6	12	9	101	99	<0.2	<0.2	2.1	2.1								
						6.3	0.1	325	26.4	26.4	8.0	8.0	30.7	30.7	111.7	111.5	7.6	7.6	7.4	7.6	13	9	101	99	<0.2	<0.2	2.0	2.0								
IM11	Cloudy	Moderate	17:56	8.0	Surface	1.0	0.1	50	26.3	26.3	8.1	8.1	30.2	30.2	110.9	110.7	7.6	7.4	5.7	5.5	5	5	96	97	821513	810533	<0.2	<0.2	1.5	1.4						
						1.0	0.1	53	26.3	26.3	8.1	8.0	30.2	30.2	110.4	110.7	7.5	7.4	5.7	5.5	5	5	96	97	<0.2	<0.2	1.5	1.4								
					Middle	4.0	0.1	46	26.3	26.3	8.0	8.0	30.4	30.4	106.0	106.0	7.2	7.1	5.6	7.1	4	5	97	98	<0.2	<0.2	1.4	1.4								
						4.0	0.1	46	26.3	26.3	8.0	8.0	30.4	30.4	105.9	106.0	7.2	7.1	5.7	7.1	5	5	97	98	<0.2	<0.2	1.2	1.2								
					Bottom	7.0	0.0	185	26.4	26.4	8.0	8.0	30.6	30.6	104.8	105.0	7.1	7.1	5.0	7.1	5	5	98	98	<0.2	<0.2	1.2	1.4								
						7.0	0.0	189	26.4	26.4	8.0	8.0	30.6	30.6	105.2	105.0	7.1	7.1	5.5	7.1	5	5	98	98	<0.2	<0.2	1.4	1.4								
IM12	Cloudy	Moderate	18:03	8.8	Surface	1.0	0.1	173	26.3	26.3	8.0	8.0	30.6	30.6	98.8	98.4	6.7	6.6	5.1	8.3	4	7	96	98	821157	811533	<0.2	<0.2	1.3	1.3						
						1.0	0.1	189	26.3	26.3	8.0	8.0	30.7	30.6	98.0	98.4	6.7	6.6	5.8	8.3	5	7	96	99	<0.2	<0.2	1.3	1.3								
					Middle	4.4	0.1	168	26.4	26.4	8.0	8.0	31.0	31.0	95.5	95.6	6.5	6.5	8.1	6.6	7	7	99	99	<0.2	<0.2	1.2	1.2								
						4.4	0.1	183	26.4	26.4	8.0	8.0	30.9	31.0	95.7	95.6	6.5	6.5	8.4	6.6	7	7	99	99	<0.2	<0.2	1.3	1.2								
					Bottom	7.8	0.0	231	26.4	26.4	8.0	8.0	31.1	31.1	96.7	97.1	6.5	6.6	11.0	6.6	8	8	100	100	<0.2	<0.2	1.1	1.4								
						7.8	0.0	231	26.4	26.4	8.0	8.0	31.1	31.1	97.5	97.1	6.6	6.6	11.4	6.6	8	8	100	100	<0.2	<0.2	1.4	1.4								
SR2	Cloudy	Moderate	18:25	4.8	Surface	1.0	0.2	350	26.3	26.3	8.1	8.1	30.2	30.2	108.4	108.3	7.4	7.4	3.6	5.2	2	3	95	96	821460	814162	<0.2	<0.2	1.4	1.7						
						1.0	0.2	357	26.3	26.3	8.1	8.1	30.2	30.2	108.1	108.3	7.4	7.4	3.7	5.2	4	3	95	96	<0.2	<0.2	1.4	1.7								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-				
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-				
					Bottom	3.8	0.1	352	26.5	26.5	7.9	7.9	31.4	31.4	106.8	107.0	7.2	7.2	6.7	7.2	6.7	7.2	3	3	96	96	<0.2	<0.2	1.4	1.5						
						3.8	0.1	324	26.5	26.5	8.0	7.9	31.4	31.4	107.1	107.0	7.2	7.2	6.6	7.2	6.6	7.2	3	3	96	96	<0.2	<0.2	1.4	1.5						
SR3	Cloudy	Moderate	17:25	8.9	Surface	1.0	0.1	66	26.4	26.4	8.1	8.1	27.7	27.7	116.9	116.8	8.1	7.6	2.4	6.5	5	7	-	-	822146	807572	-	-	-	-						
						1.0	0.1	59	26.4	26.3	8.1	8.0	27.7	27.7	116.7	116.8	8.1	7.6	2.5	6.5	4	7	-	-	-	-	-	-	-	-						
					Middle	4.5	0.2	75	26.3	26.3	8.0	8.0	29.1	29.1	103.0	103.0	7.1	7.0	6.7	7.0	6.7	7.0	6	5	-	-	-	-	-	-	-					
						4.5	0.2	81	26.3	26.3	8.0	8.0	29.2	29.2	102.9	103.0	7.0	7.0	6.7	7.0	6.7	7.0	5	5	-	-	-	-	-	-						
					Bottom	7.9	0.2	80	26.3	26.3	8.0	8.0	30.0	30.0	102.6	102.7	7.0	7.0	10.4	7.0	10.4	7.0	10	9	-	-	-	-	-	-						
						7.9	0.2	80	26.3	26.3	8.0	8.0	30.1	30.1	102.8	102.7	7.0	7.0	10.4	7.0	10.4	7.0	9	9	-	-	-	-	-	-						
SR4A	Fine	Calm	18:34	9.4	Surface	1.0	0.1	84	26.2	26.2	8.1	8.1	30.9	30.9	112.2	112.2	7.6	7.5	4.0	6.0	5	7	-	-	817201	807825	-	-	-	-						
						1.0	0.1	89	26.2	26.1	8.1	8.0	30.9	31.0	112.1	112.1	7.6	7.5	4.1	6.0	4	7	-	-	-	-	-	-								
					Middle	4.7	0.0	62	26.1	26.1	8.0	8.0	31.0	31.0	108.0	108.0	7.3	7.3	6.1	7.2	4	7	-	-	-	-	-	-	-							
						4.7	0.0	65	26.1	26.1	8.0	8.0	31.0	31.0	107.9	108.0	7.3	7.2	6.2	7.2	4	7	-	-	-	-	-	-								
					Bottom	8.4	0.0	73	26.1	26.1	8.0	8.0	31.0	31.0	106.4	106.4	7.2	7.2	7.7	7.2	11	7.2	4	7	-	-	-	-	-							
						8.4	0.0	78	26.1	26.1	8.0	8.0	31.0	31.0	106.4	106.4	7.2	7.2	7.7	7.2	12	7.2	4	7	-	-	-	-	-							
SR5A	Fine	Calm	18:50	3.9	Surface	1.0	0.0	103	26.2	26.2	8.1	8.1	30.7	30.7	118.3	118.3	8.1	8.1	2.1	2.2	4	5	-	-	816600	810705	-	-	-	-						
						1.0	0.0	107	26.2	26.2	8.1	8.1	30.7	30.7	118.3	118.3	8.1	8.1	2.1	2.2	6	5	-	-	-	-	-	-								
					Middle	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-							
						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-							
					Bottom	2.9	0.1	107	26.2	26.2	8.1	8.1	30.8	30.8	112.3	111.4	7.6	7.6	2.2	7.6	2.2	7.6	4	5	-	-	-	-	-							
						2.9	0.1	111	26.2	26.2	8.1	8.1	30.8	30.8	110.5	111.4	7.5	7.6	2.2	7.6	2.2	7.6	5	5	-	-	-	-	-							
SR6	Fine	Calm	19:14	4.6	Surface	1.0	0.1	108	25.9	25.9	8.1	8.1	29.7	29.7	118.9	118.9	8.2	8.2	3.6	3.9	4	5	-	-	817891	814653	-	-	-	-						
						1.0	0.1	118	25.9	25.9	8.1	8.1	29.7	29.7	118.8	118.9	8.2	8.2	3.6	3.9	6	5	-	-	-											

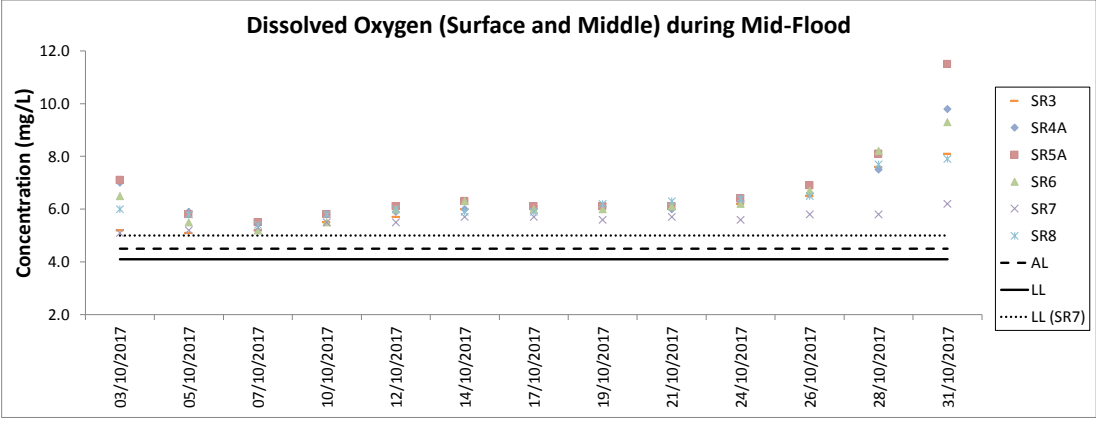
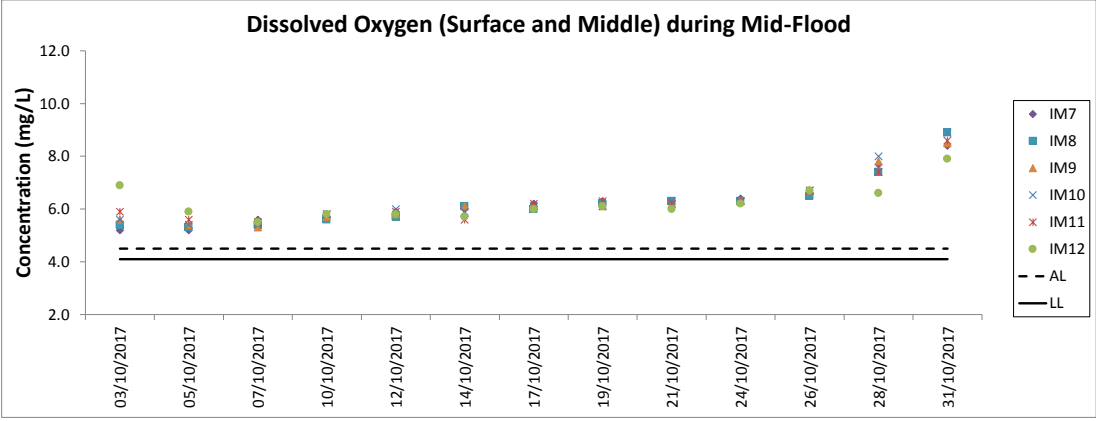
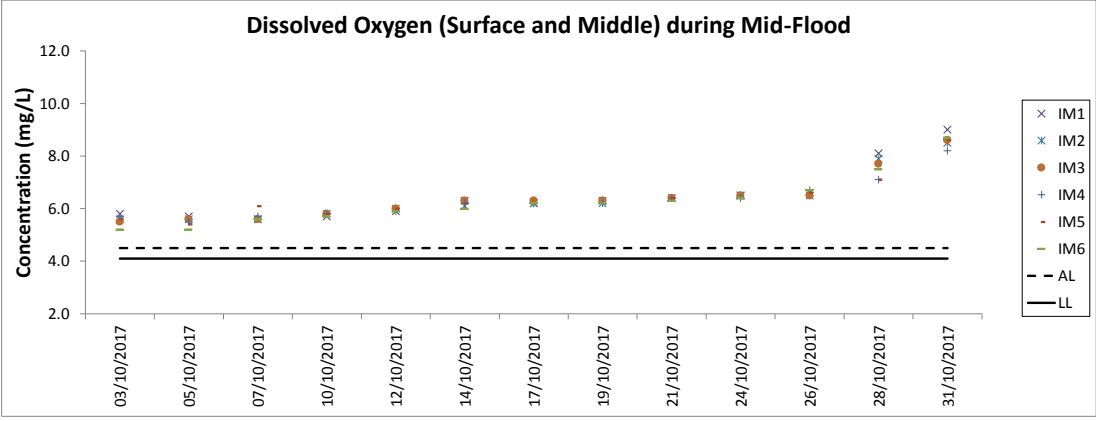
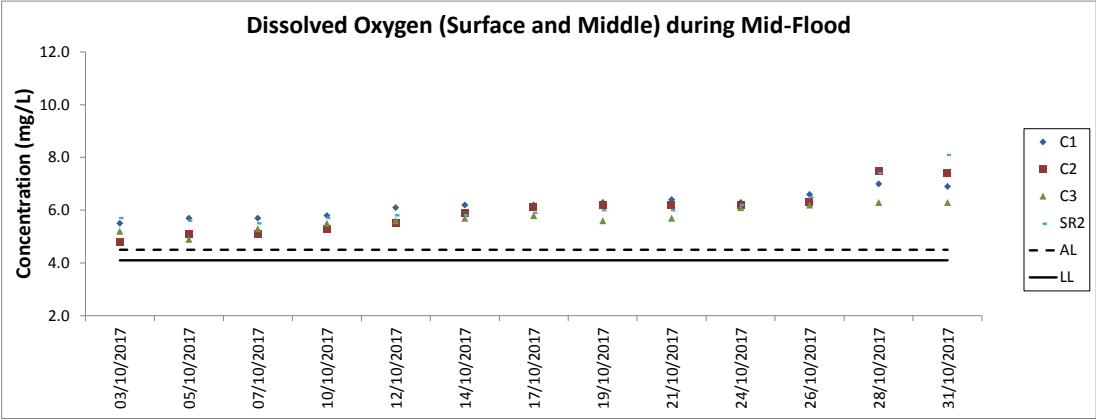
Expansion of Hong Kong International Airport into a Three-Runway System

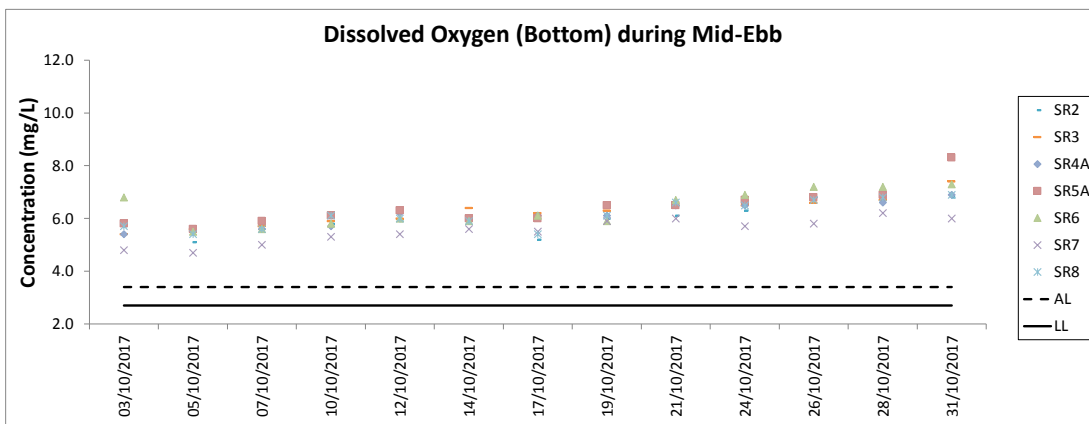
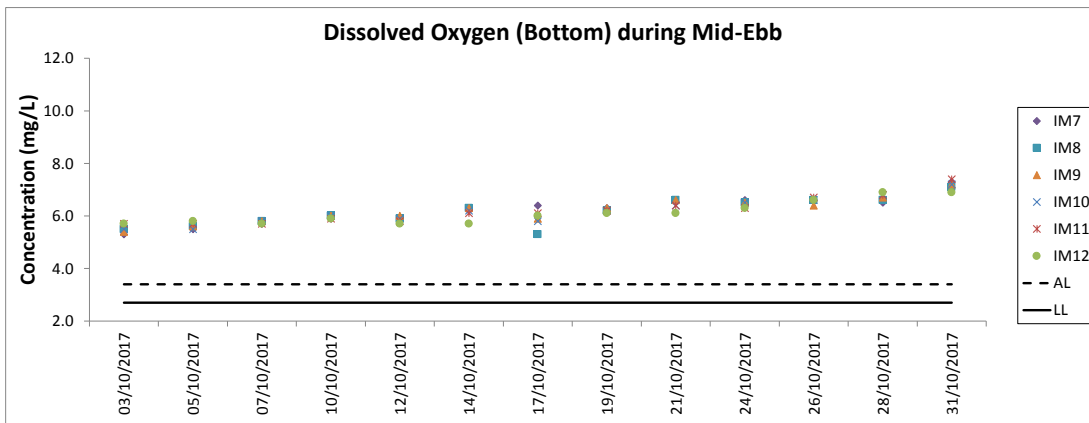
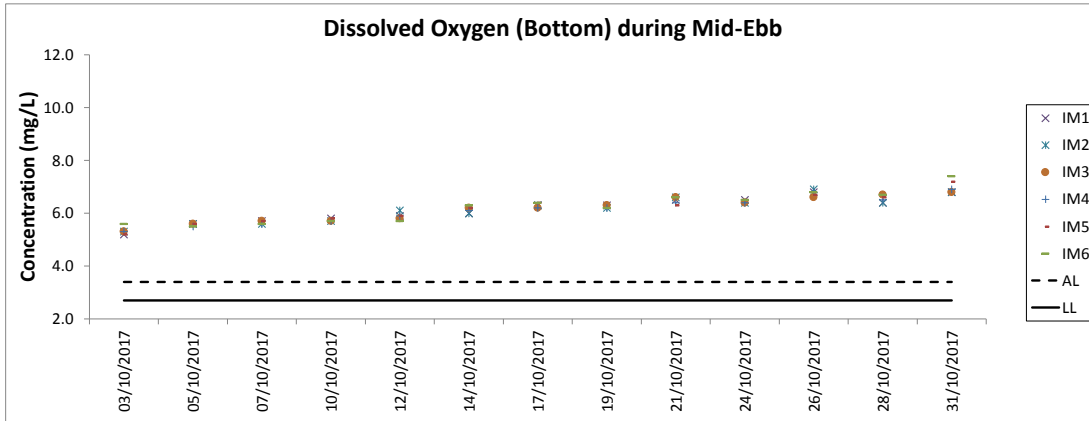
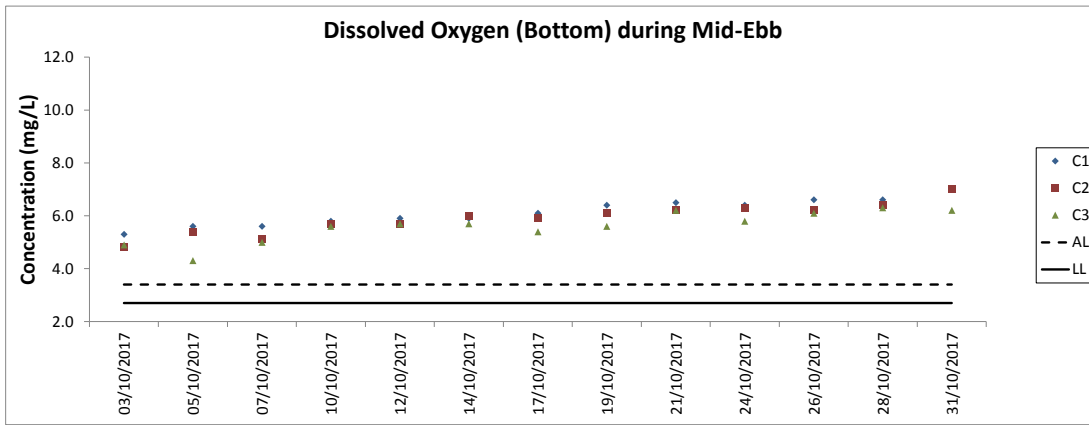
Water Quality Monitoring

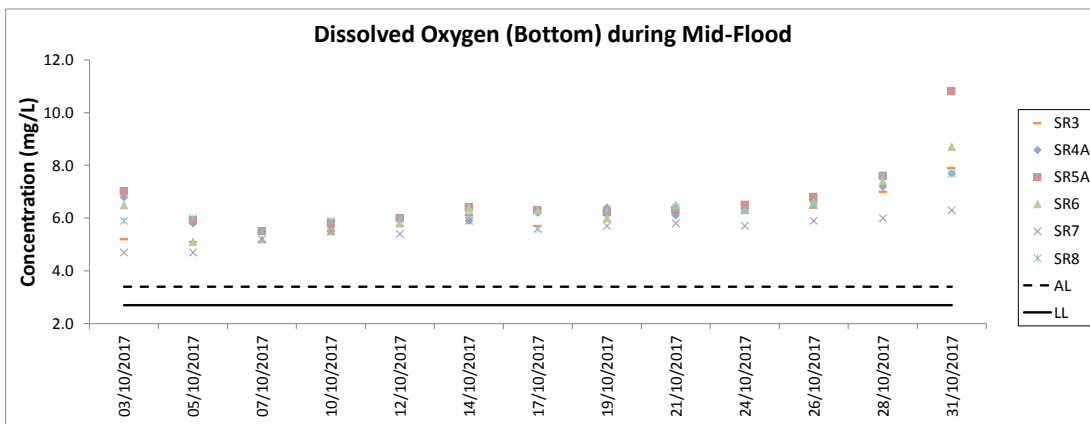
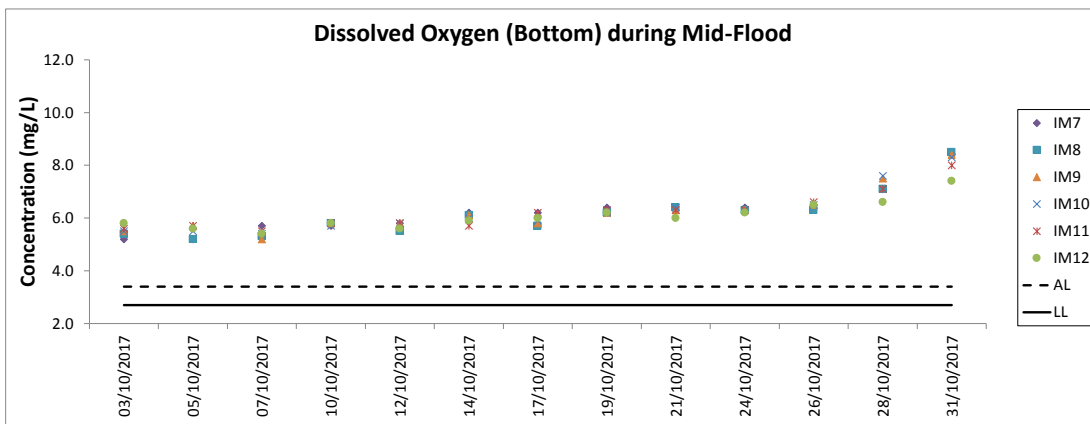
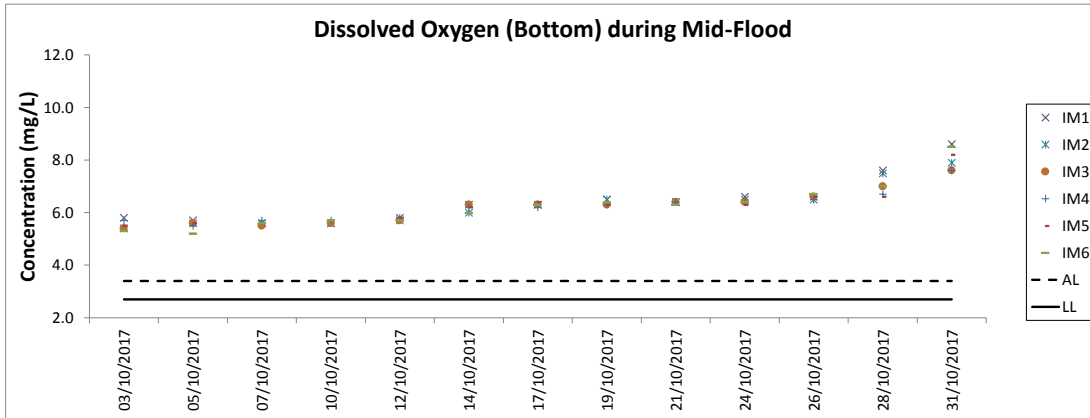
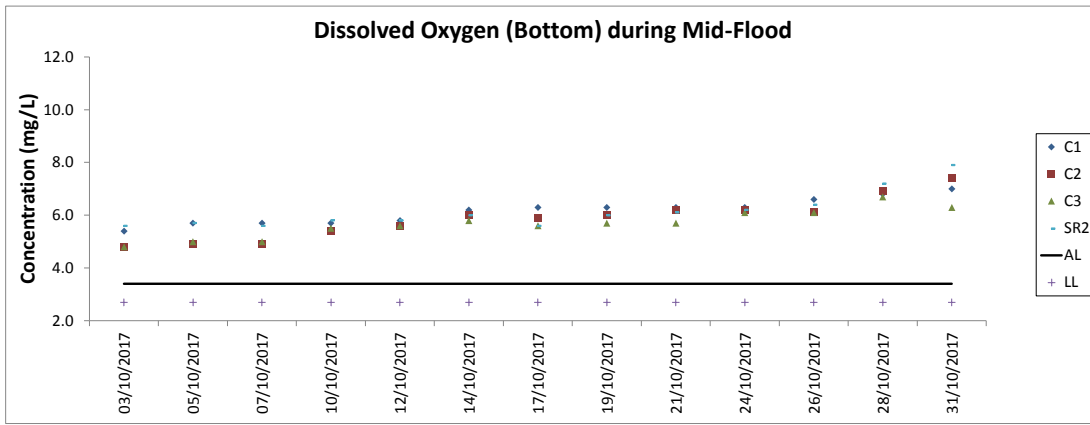
Water Quality Monitoring Results on 31 October 17 during Mid-Flood Tide

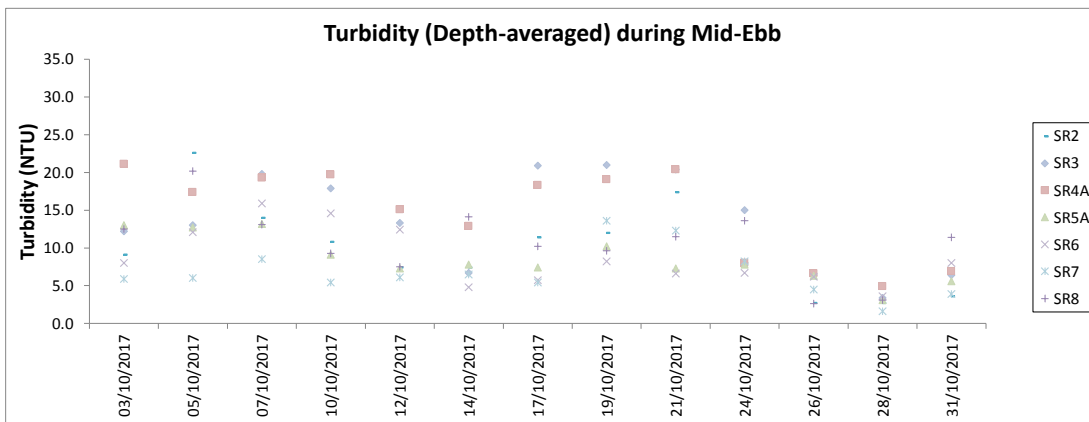
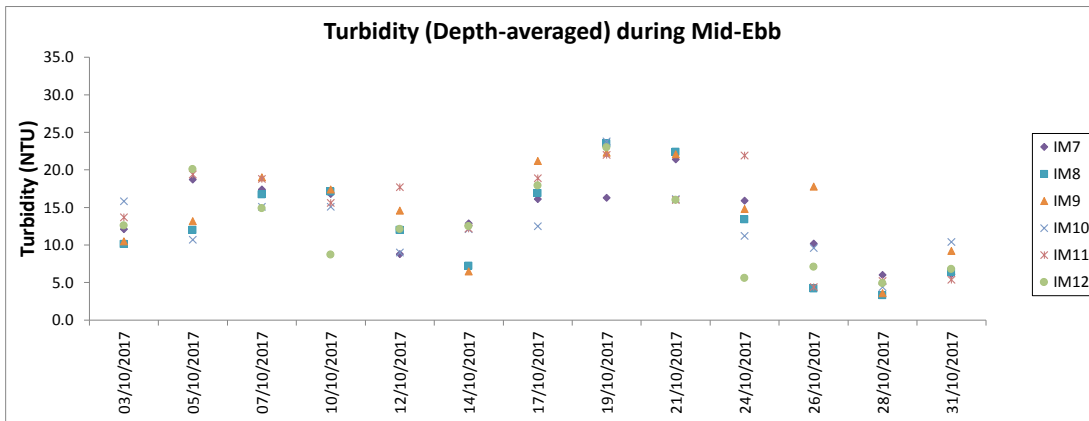
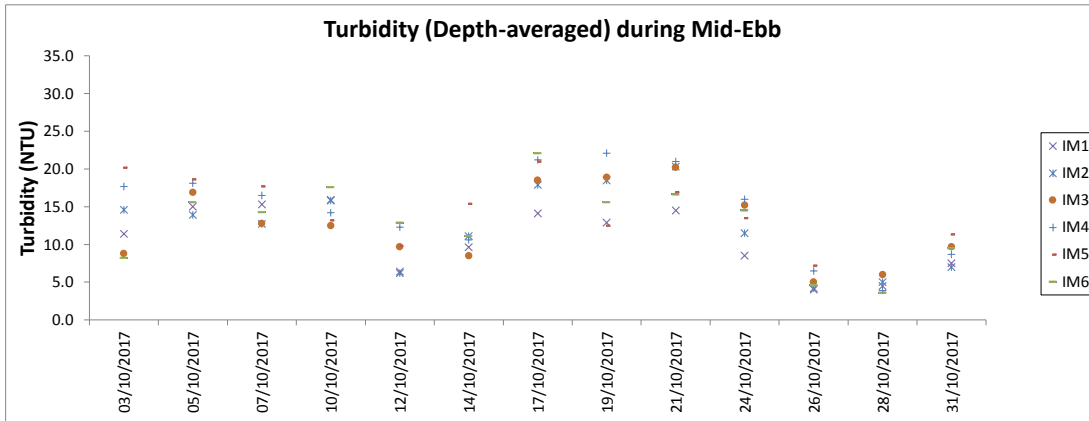
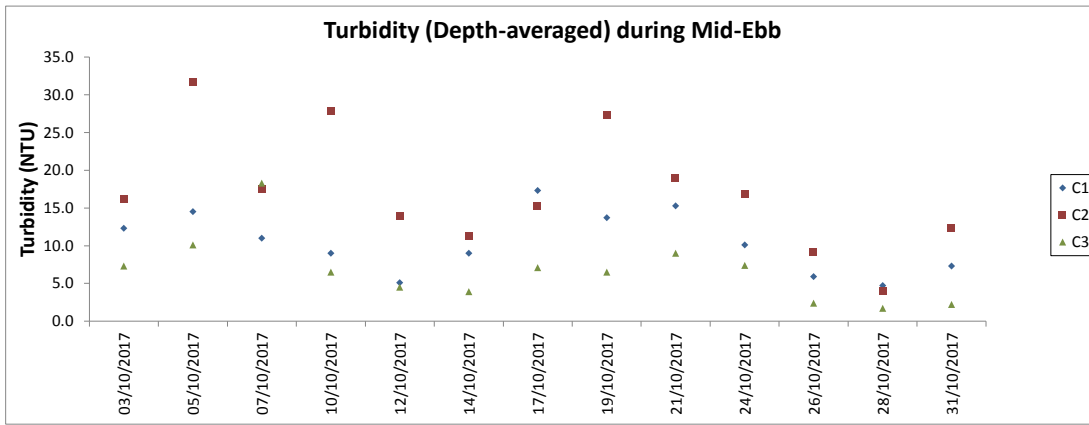
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Value	DA	Value	DA
C1	Fine	Moderate	16:13	8.7	Surface	1.0	0.4	49	25.1	8.0	8.0	32.8	32.8	101.4	101.4	6.9	7.8	8	92	96	815632	804241	<0.2	0.4	0.4											
						1.0	0.4	51	25.1	8.0	8.0	32.8	32.8	101.3	101.3	6.9	7.8	8	93	96																
					Middle	4.4	0.4	48	25.1	8.0	8.0	32.8	32.8	100.2	100.2	6.9	10.3	6	97	97	96	<0.2	0.4													
						4.4	0.5	49	25.1	8.0	8.0	32.8	32.8	100.2	100.2	6.9	10.4	7	97	97	96	<0.2	0.4													
					Bottom	7.7	0.4	46	25.1	8.0	8.0	32.8	32.8	102.5	102.5	7.0	11.7	13	99	99	99	<0.2	0.4													
						7.7	0.4	47	25.1	8.0	8.0	32.8	32.8	102.6	102.6	7.0	11.8	11	99	99	99	<0.2	0.5													
C2	Fine	Moderate	15:06	11.5	Surface	1.0	0.1	268	25.6	8.0	8.0	31.0	31.0	109.5	109.3	7.5	4.0	6	93	96	825695	806938	<0.2	0.6	0.6											
						1.0	0.1	276	25.6	8.0	8.0	31.0	31.0	109.0	109.3	7.5	4.4	5	93	96																
					Middle	5.8	0.1	301	25.7	8.0	8.0	31.8	31.8	106.9	107.0	7.3	8.7	9	96	96	96	<0.2	0.6													
						5.8	0.1	302	25.7	8.0	8.0	31.8	31.8	107.1	107.0	7.3	8.7	11	96	96	96	<0.2	0.6													
					Bottom	10.5	0.1	320	25.6	8.0	8.0	31.9	31.9	108.4	108.5	7.4	8.8	15	98	98	98	<0.2	0.5													
						10.5	0.1	329	25.6	8.0	8.0	31.9	31.9	108.5	108.5	7.4	8.7	13	99	99	99	<0.2	0.4													
C3	Fine	Moderate	16:56	12.1	Surface	1.0	0.4	280	26.2	8.0	8.0	32.4	32.4	94.5	94.4	6.4	2.7	3	95	96	822108	817789	<0.2	0.4	0.4											
						1.0	0.4	288	26.2	8.0	8.0	32.4	32.4	94.2	94.4	6.3	3.0	5	95	96																
					Middle	6.1	0.3	276	26.2	7.9	7.9	32.5	32.5	92.3	92.3	6.2	5.2	6	96	96	96	<0.2	0.4													
						6.1	0.4	295	26.2	7.9	7.9	32.5	32.5	92.3	92.3	6.2	5.4	8	96	96	96	<0.2	0.4													
					Bottom	11.1	0.3	280	26.1	7.9	7.9	32.4	32.4	93.6	93.7	6.3	6.9	11	98	98	98	<0.2	0.4													
						11.1	0.3	299	26.1	7.9	7.9	32.4	32.4	93.7	93.7	6.3	7.0	9	99	99	99	<0.2	0.4													
IM1	Fine	Moderate	15:54	7.4	Surface	1.0	0.3	17	25.1	8.2	8.2	32.2	32.2	131.8	131.8	9.1	3.3	7	93	96	818350	806476	<0.2	0.5	0.5											
						1.0	0.3	18	25.1	8.2	8.2	32.2	32.2	131.8	131.8	9.1	3.3	7	93	96																
					Middle	3.7	0.3	30	25.1	8.2	8.2	32.3	32.3	127.4	127.4	8.8	3.6	7	95	96	96	<0.2	0.5													
						3.7	0.3	30	25.1	8.2	8.2	32.3	32.3	127.3	127.3	8.8	3.6	7	95	96	96	<0.2	0.5													
					Bottom	6.4	0.2	33	25.0	8.1	8.1	32.4	32.4	125.2	125.2	8.6	5.6	13	96	96	96	<0.2	0.4													
						6.4	0.3	34	25.0	8.1	8.1	32.4	32.4	125.2	125.2	8.6	5.6	12	97	97	97	<0.2	0.4													
IM2	Fine	Moderate	15:48	8.4	Surface	1.0	0.2	20	25.1	8.2	8.2	32.3	32.3	130.5	130.5	9.0	2.7	7	92	96	818851	806205	<0.2	0.4	0.4											
						1.0	0.2	20	25.1	8.2	8.2	32.3	32.3	130.4	130.4	9.0	2.7	8	92	96																
					Middle	4.2	0.3	32	24.9	8.1	8.1	32.5	32.5	115.0	115.0	7.9	7.3	6	93	93	93	<0.2	0.4													
						4.2	0.3	32	24.9	8.1	8.1	32.5	32.5	115.0	115.0	7.9	7.3	6	94	94	94	<0.2	0.5													
					Bottom	7.4	0.3	39	24.9	8.1	8.1	32.5	32.5	114.9	115.0	7.9	11.3	10	97	97	97	<0.2	0.5													
						7.4	0.3	41	24.9	8.1	8.1	32.5	32.5	115.0	115.0	7.9	11.3	9	99	99	99	<0.2	0.4													
IM3	Fine	Moderate	15:41	8.5	Surface	1.0	0.1	295	25.1	8.2	8.2	32.0	32.0	137.5	137.4	9.5	4.5	5	93	96	819430	806004	<0.2	0.7	0.5											
						1.0	0.1	302	25.1	8.2	8.2	32.0	32.0	137.2	137.4	9.4	4.6	4	93	96																
					Middle	4.3	0.1	357	25.0	8.1	8.1	32.6	32.6	111.8	111.8	7.7	6.1	5	96	96	96	<0.2	0.4													
						4.3	0.1	328	25.0	8.1	8.1	32.6	32.6	111.8	111.8	7.7	6.1	6	96	96	96	<0.2	0.6													
					Bottom	7.5	0.1	353	24.9	8.1	8.1	32.6	32.6	110.1	110.2	7.6	8.9	9	98	98	98	<0.2	0.4													
						7.5	0.1	325	24.9	8.1	8.1	32.6	32.6	110.2	110.2	7.6	8.9	11	99	99	99	<0.2	0.4													
IM4	Fine	Moderate	15:32	7.8	Surface	1.0	0.3	307	25.0	8.2	8.2	32.0	32.0	125.2	125.2	8.6	7.4	8	91	96	819570	805047	<0.2	0.4	0.4											
						1.0	0.3	311	25.0	8.2	8.2	32.0	32.0	125.1	125.2	8.6	7.5	9	92	96																
					Middle	3.9	0.2	334	24.8	8.1	8.1	32.3	32.3	112.9	112.9	7.8	9.5	9	96	96	96	<0.2	0.4													
						3.9	0.3	334	24.8	8.1	8.1	32.3	32.3	112.8	112.9	7.8	9.5	10	96	96	96	<0.2	0.4													
					Bottom	6.8	0.2	4	24.8	8.1	8.0	32.7	32.7	109.7	109.8	7.6	13.5	12	99	99	99	<0.2	0.4													
						6.8	0.3	4	24.8	8.0	8.0	32.7	32.7	109.8	109.8	7.6	13.5	11	99	99	99	<0.2	0.5													
IM5	Fine	Moderate	15:22	6.7	Surface	1.0	0.2	331	25.0	8.2	8.2	31.9	31.9	128.4	128.4	8.9	4.4	5	92	96	820595	804920	<0.2	0.4	0.4											
						1.0	0.2	352	25.0	8.2	8.2	31.9	31.9	128.3	128.4	8.8	4.4	6	93	96																
					Middle	3.4	0.2	7	24.9	8.1	8.1	32.2	32.2	119.9	119.9	8.3	5.4	8	95	96	96	<0.2	0.4													
						3.4	0.3	7	24.9	8.1	8.1	32.2	32.2	119.9	119.9	8.3	5.4	8	96	96	96	<0.2	0.4													
					Bottom	5.7	0.2	7	24.8	8.1	8.1	32.3	32.3	118.1	118.1	8.2	8.4	8	98	98	98	<0.2	0.4													
						5.7	0.2	7	24.8	8.1	8.1	32.3	32.3	118.1	118.1	8.2	8.4	10	98	98	98	<0.2	0.5													
IM6	Fine	Moderate	15:13	6.7	Surface	1.0	0.3	315	25.3	8.1	8.1	31.8	31.8	126.9	126.9	8.7	3.2	6	93	96	821045	805825	<0.2	0.5	0.5											
						1.0	0.3	341	25.3	8.1	8.1	31.8	31.8	126.8	126.9	8.7	3.4	8	93	96																
					Middle	3.4	0.3	331	25.1	8.2	8.2	31.9	31.9	125.0	125.0	8.6	4.5	8	95	96	96	<0.2	0.4													
						3.4	0.3	332	25.1	8.2	8.2	31.9	31.9	124.9	125.0	8.6	4.6	6	95	96	96	<0.2	0.5													
					Bottom	5.7	0.3	338	24.9	8.1	8.1	32.0	32.0	122.6	122.6	8.5	8.9	13	99	99	99	<0.2	0.4													
						5.7	0.3	353	24.9	8.1	8.1	32.0	32.0	122.6	122.6	8.5	9.0	11	99	99	99	<0.2	0.4													
IM7	Fine	Moderate	15:06	8.2	Surface	1.0	0.3	283	25.3	8.1	8.1	31.6	31.6	122.4	122.4	8.4	2.7	6	92	96	821366	806851	<0.2	0.6	0.7											
						1.0	0.4	301	25.3	8.1	8.1	31.6	31.6	122.4	122.4	8.4	2.7	5	93	96																
					Middle	4.1	0.4	280	25.3	8.1	8.1	31.7	31.7	122.2	122.2	8.4	3.8	6	97	97	97	<0.2	0.8													
						4.1	0.4	307	25.3	8.1	8.1	31.7	31.7	122.2	122.2	8.4	3.6	7	97	97	97	<0.2	0.6													
					Bottom	7.2	0.2	288	25.3	8.1	8.1	31.8	31.8	122.8	122.8	8.4	5.1	7	98	98	98	<0.2	0.6													
						7.2	0.2	292	25.3	8.1	8.1	31.8	31.8	122.8	122.8	8.4	5.1	7	99	99	99	<0.2	0.7													
IM8	Fine	Moderate	15:31	7.9	Surface	1.0	0.1	213	25.7	8.1	8.1	31.7	31.7	129.7	129.8	8.9	1.4	6	92	96	821705	807840	<0.2	0.6	0.5											
						1.0																														



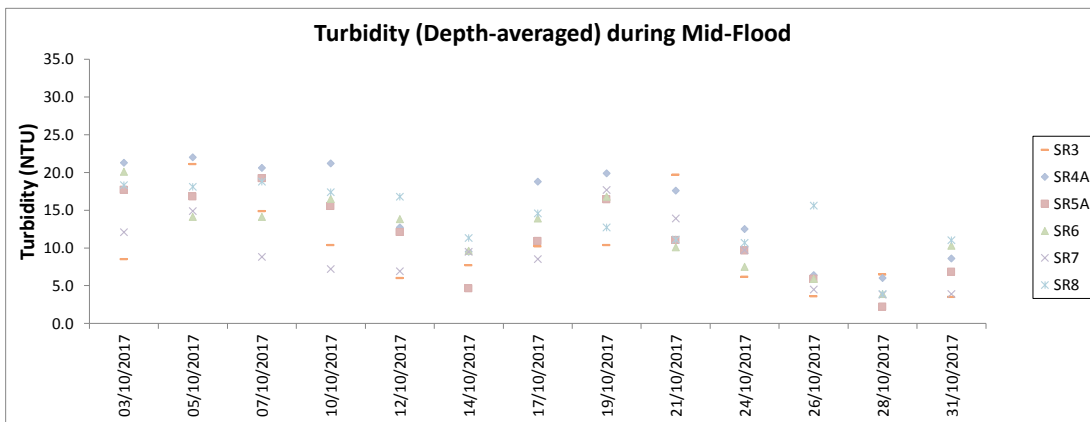
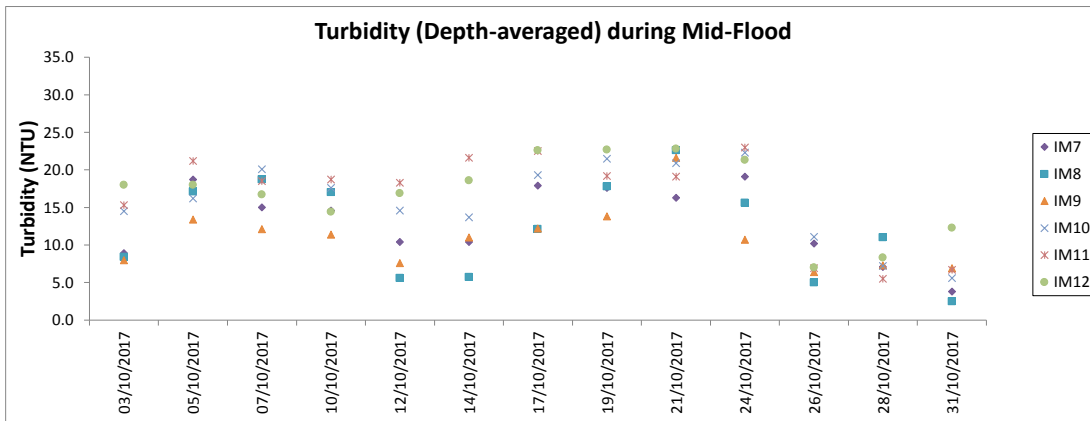
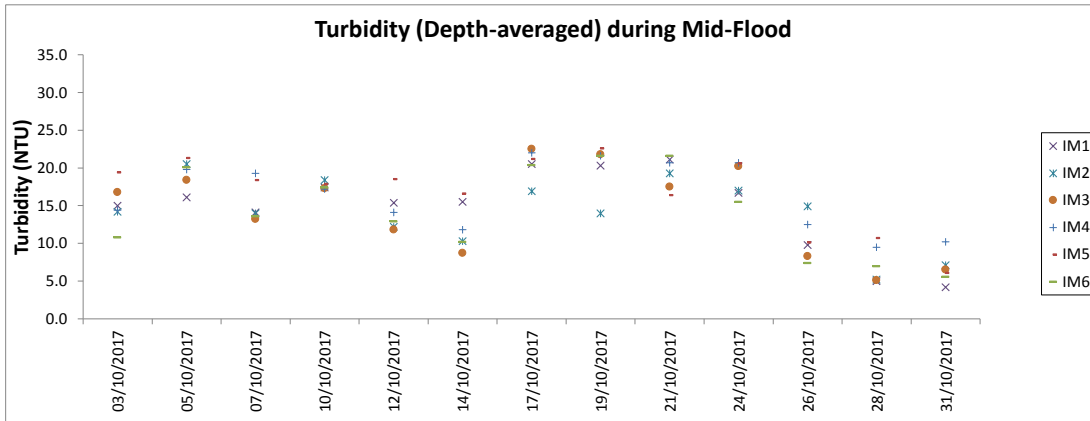
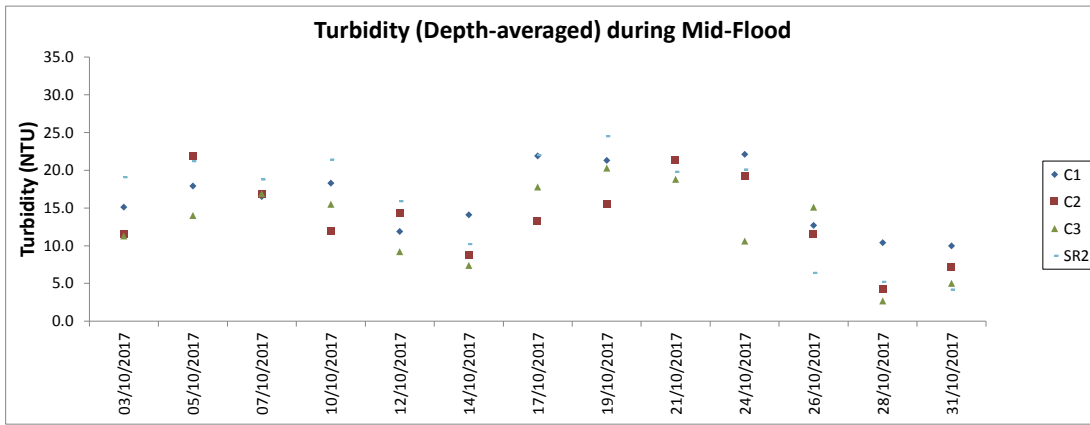




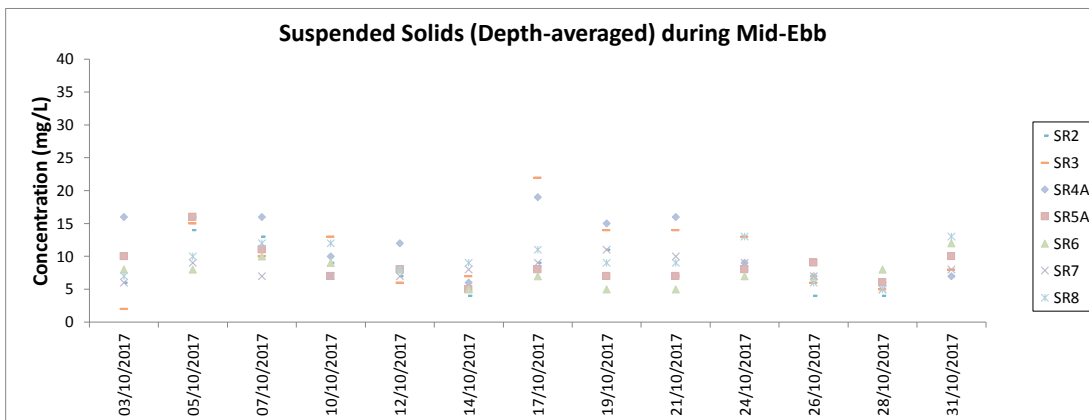
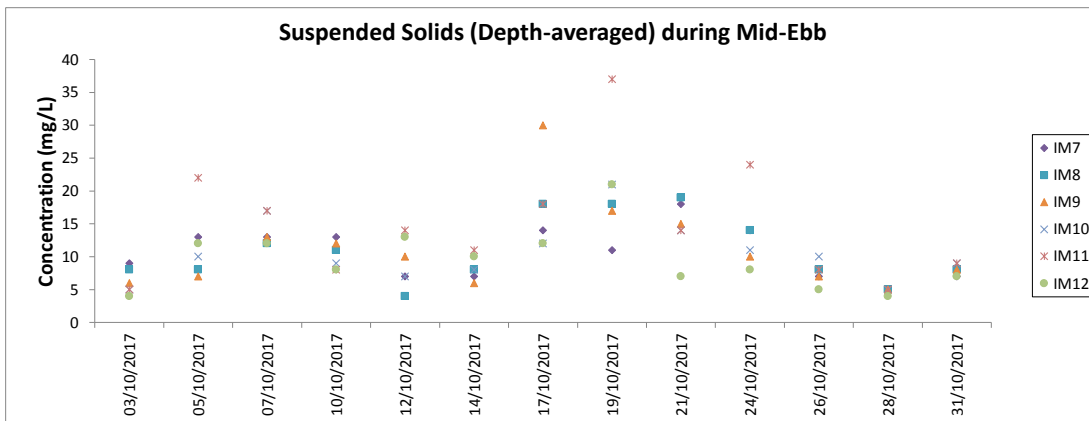
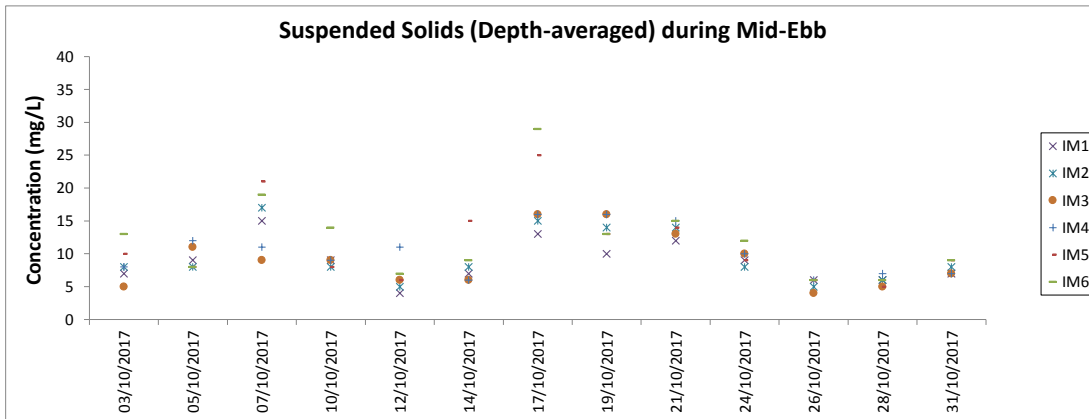
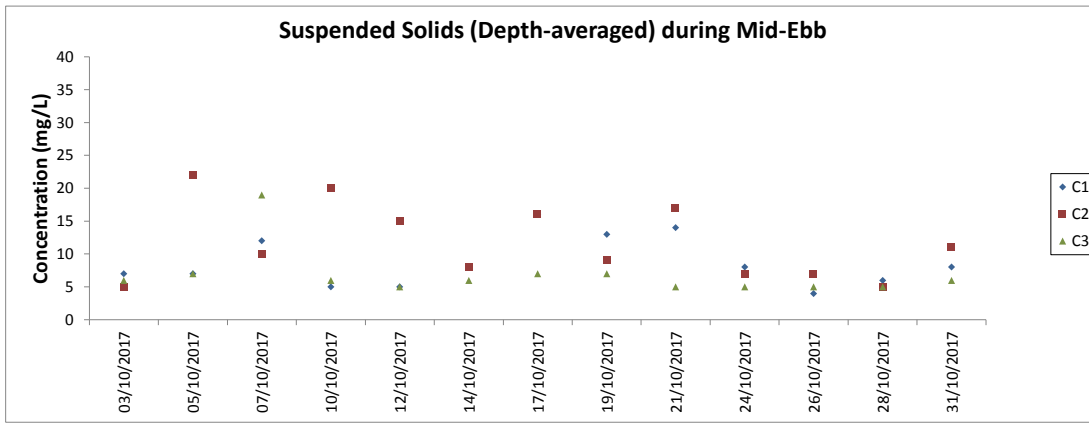




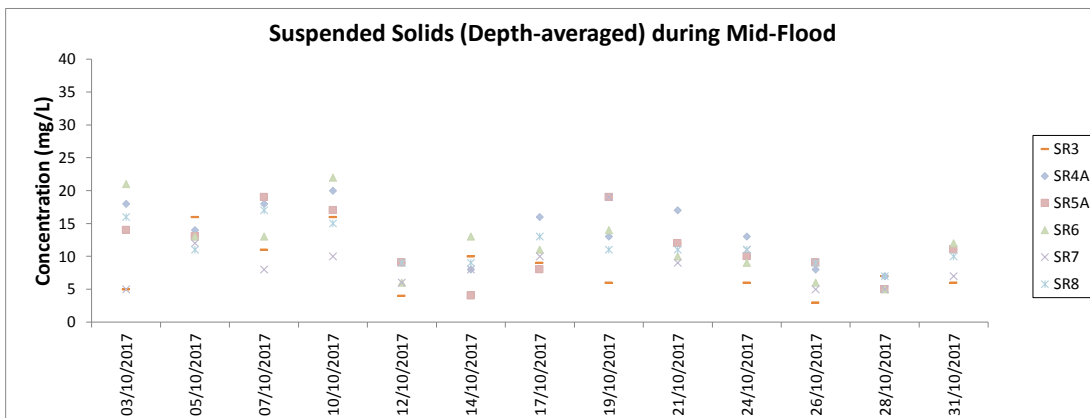
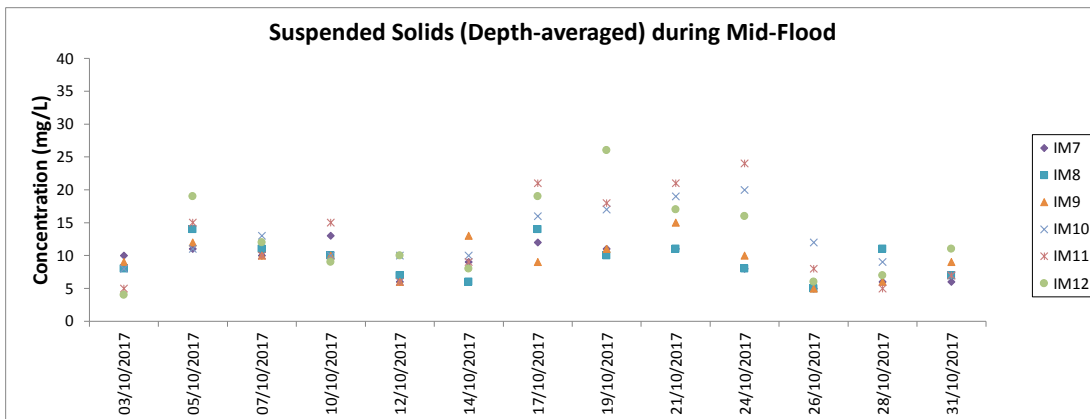
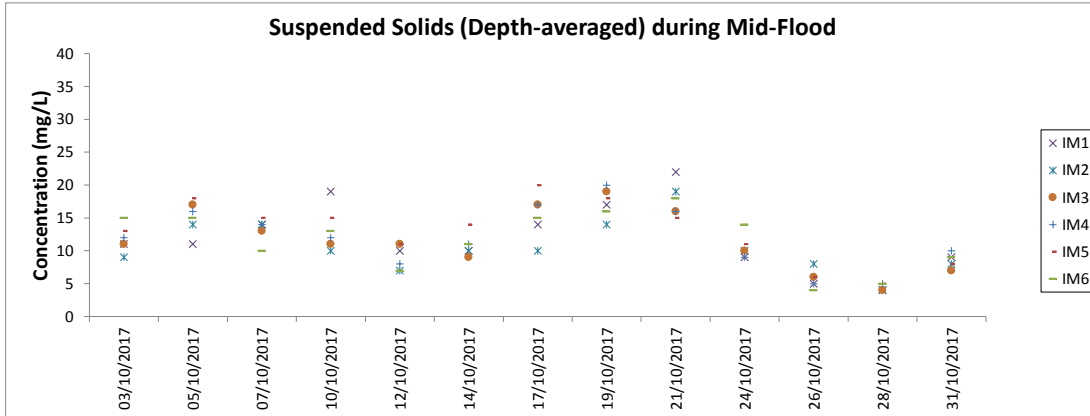
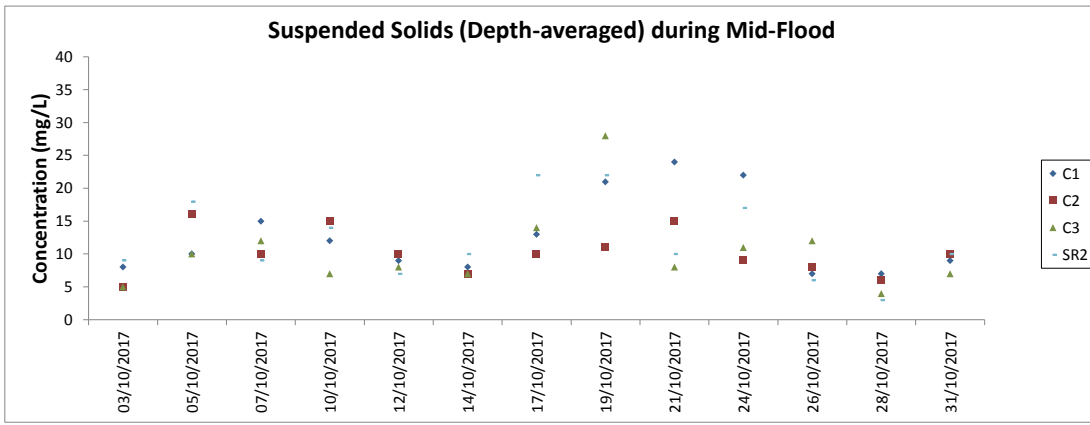
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



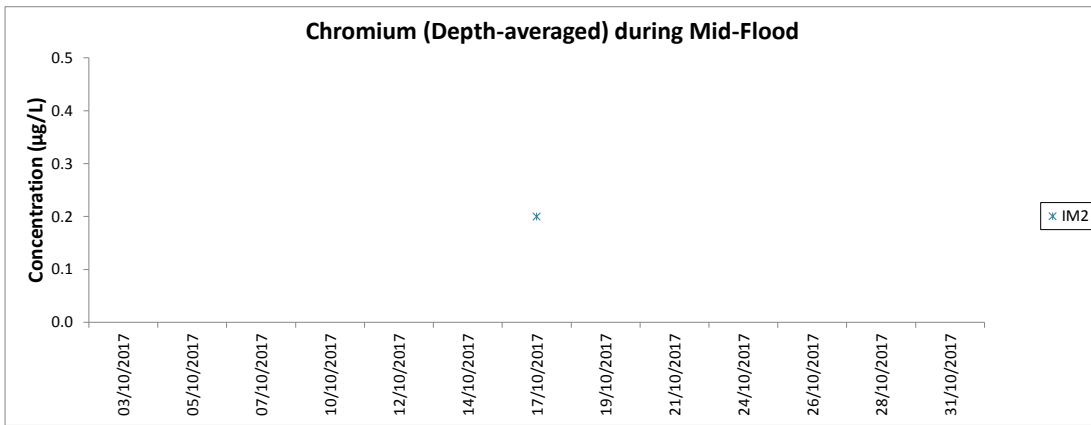
Note: The Action and Limit Level of turbidity can be referred to Table 4.2 of the monthly EM&A report.



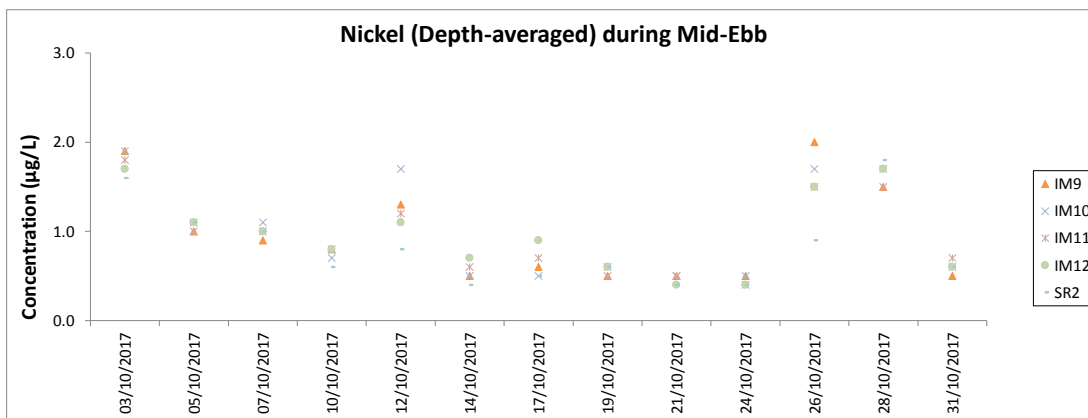
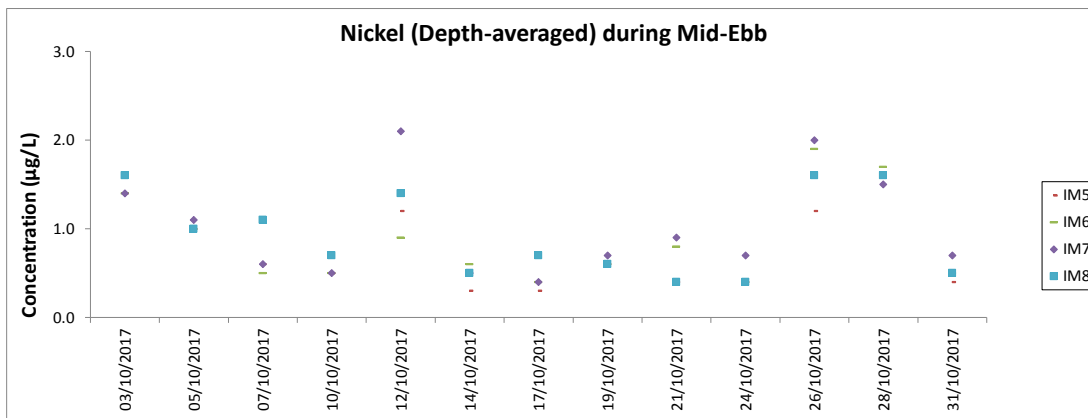
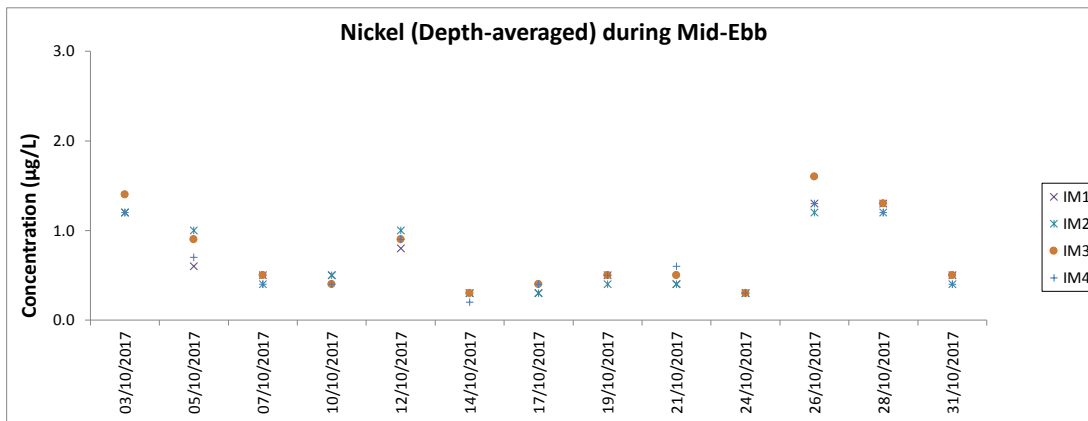
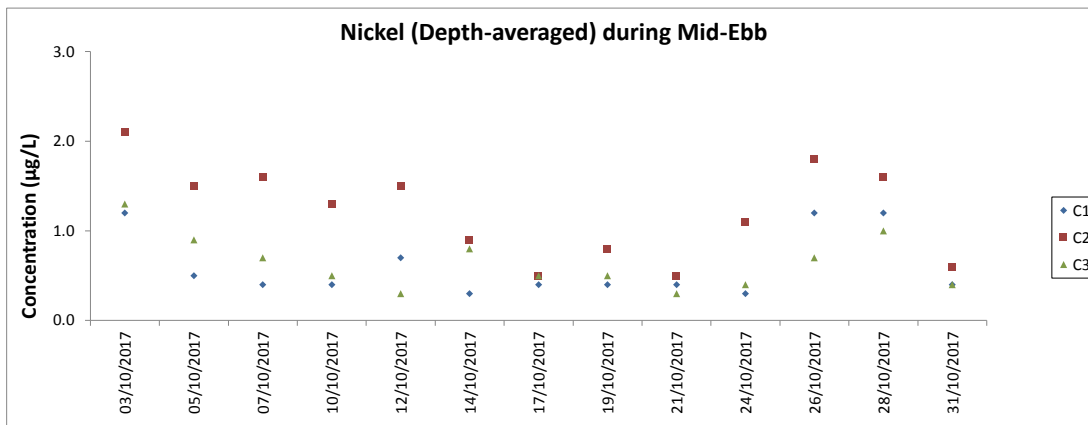
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



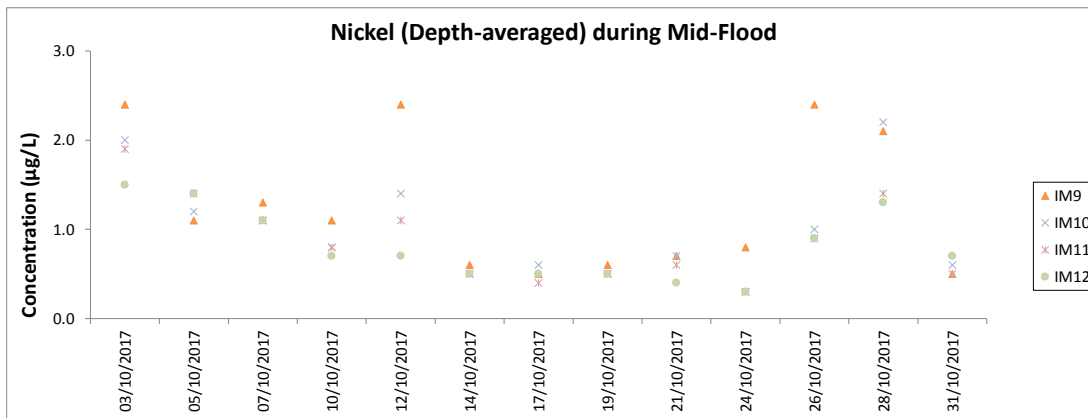
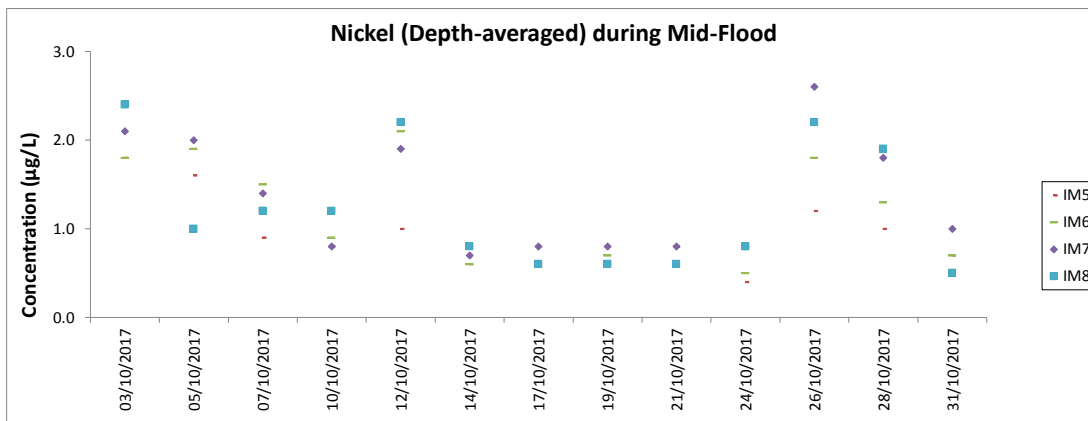
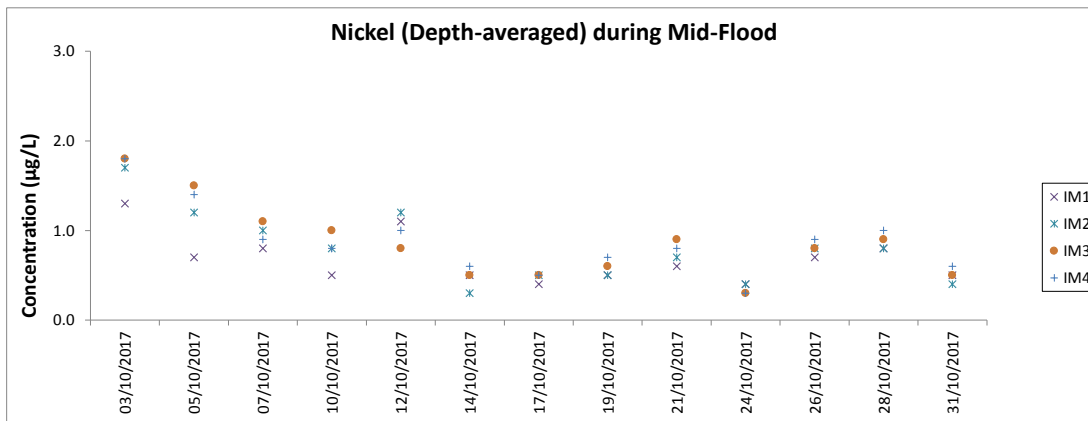
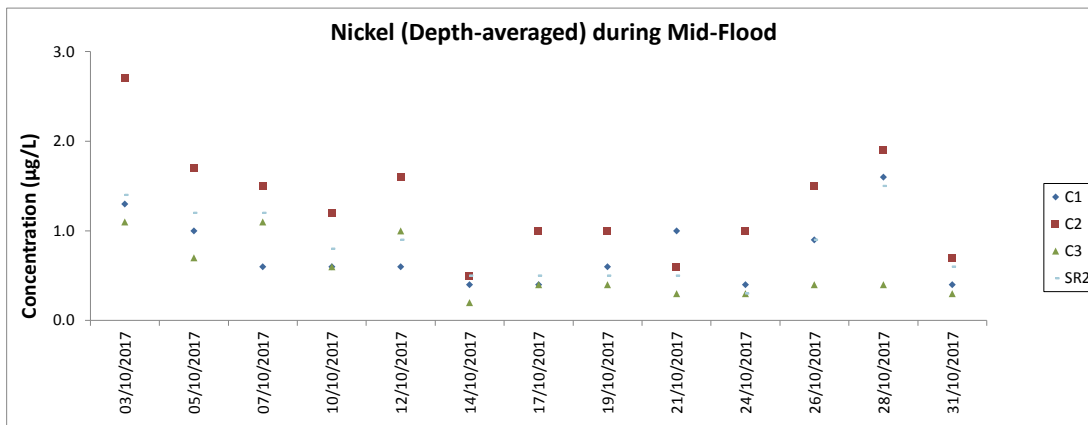
Note: The Action and Limit Level of suspended solids can be referred to Table 4.2 of the monthly EM&A report.



Note: All other chromium results in the reporting period were below the reporting limit 0.2 µg/L.



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



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

Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey

Survey Effort Data

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
04-Aug-17	NWL	1	11.000	SUMMER	32166	3RS ET
04-Aug-17	NWL	2	20.300	SUMMER	32166	3RS ET
04-Aug-17	NWL	3	42.293	SUMMER	32166	3RS ET
04-Aug-17	NWL	4	0.300	SUMMER	32166	3RS ET
08-Aug-17	NWL	3	16.760	SUMMER	32166	3RS ET
08-Aug-17	NWL	4	57.140	SUMMER	32166	3RS ET
08-Aug-17	NWL	5	0.800	SUMMER	32166	3RS ET
09-Aug-17	NEL	2	29.120	SUMMER	32166	3RS ET
09-Aug-17	NEL	3	11.010	SUMMER	32166	3RS ET
09-Aug-17	NEL	4	4.470	SUMMER	32166	3RS ET
09-Aug-17	NEL	5	2.600	SUMMER	32166	3RS ET
14-Aug-17	AW	3	1.820	SUMMER	32166	3RS ET
14-Aug-17	AW	4	2.840	SUMMER	32166	3RS ET
14-Aug-17	WL	3	12.390	SUMMER	32166	3RS ET
14-Aug-17	WL	4	20.110	SUMMER	32166	3RS ET
14-Aug-17	SWL	3	12.400	SUMMER	32166	3RS ET
15-Aug-17	SWL	2	24.510	SUMMER	32166	3RS ET
15-Aug-17	SWL	3	29.836	SUMMER	32166	3RS ET
15-Aug-17	SWL	4	0.740	SUMMER	32166	3RS ET
21-Aug-17	SWL	1	2.600	SUMMER	32166	3RS ET
21-Aug-17	SWL	2	48.228	SUMMER	32166	3RS ET
21-Aug-17	SWL	3	7.160	SUMMER	32166	3RS ET
21-Aug-17	SWL	4	1.530	SUMMER	32166	3RS ET
22-Aug-17	AW	0	1.880	SUMMER	32166	3RS ET
22-Aug-17	AW	1	2.410	SUMMER	32166	3RS ET
22-Aug-17	WL	1	9.997	SUMMER	32166	3RS ET
22-Aug-17	WL	2	9.174	SUMMER	32166	3RS ET
22-Aug-17	WL	3	12.400	SUMMER	32166	3RS ET
22-Aug-17	WL	4	0.900	SUMMER	32166	3RS ET
22-Aug-17	SWL	1	1.940	SUMMER	32166	3RS ET
22-Aug-17	SWL	2	0.252	SUMMER	32166	3RS ET
22-Aug-17	SWL	3	3.154	SUMMER	32166	3RS ET
25-Aug-17	NEL	1	1.900	SUMMER	32166	3RS ET
25-Aug-17	NEL	2	34.960	SUMMER	32166	3RS ET
25-Aug-17	NEL	3	9.940	SUMMER	32166	3RS ET
11-Sep-17	SWL	1	9.330	AUTUMN	32166	3RS ET
11-Sep-17	SWL	2	51.970	AUTUMN	32166	3RS ET
12-Sep-17	SWL	3	5.564	AUTUMN	32166	3RS ET
12-Sep-17	SWL	4	1.334	AUTUMN	32166	3RS ET
12-Sep-17	WL	2	23.366	AUTUMN	32166	3RS ET
12-Sep-17	WL	3	8.530	AUTUMN	32166	3RS ET
12-Sep-17	WL	4	0.590	AUTUMN	32166	3RS ET
12-Sep-17	AW	2	4.850	AUTUMN	32166	3RS ET
13-Sep-17	NEL	1	5.293	AUTUMN	32166	3RS ET
13-Sep-17	NEL	2	41.007	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
13-Sep-17	NEL	3	1.200	AUTUMN	32166	3RS ET
14-Sep-17	NEL	2	21.130	AUTUMN	32166	3RS ET
14-Sep-17	NEL	3	24.570	AUTUMN	32166	3RS ET
14-Sep-17	NEL	4	1.500	AUTUMN	32166	3RS ET
18-Sep-17	NWL	1	1.020	AUTUMN	32166	3RS ET
18-Sep-17	NWL	2	26.330	AUTUMN	32166	3RS ET
18-Sep-17	NWL	3	19.210	AUTUMN	32166	3RS ET
18-Sep-17	NWL	4	22.550	AUTUMN	32166	3RS ET
19-Sep-17	AW	2	2.890	AUTUMN	32166	3RS ET
19-Sep-17	AW	3	1.840	AUTUMN	32166	3RS ET
19-Sep-17	WL	1	3.460	AUTUMN	32166	3RS ET
19-Sep-17	WL	2	4.998	AUTUMN	32166	3RS ET
19-Sep-17	WL	3	7.760	AUTUMN	32166	3RS ET
19-Sep-17	WL	4	13.081	AUTUMN	32166	3RS ET
19-Sep-17	SWL	2	3.010	AUTUMN	32166	3RS ET
19-Sep-17	SWL	3	3.250	AUTUMN	32166	3RS ET
19-Sep-17	SWL	4	5.750	AUTUMN	32166	3RS ET
20-Sep-17	SWL	2	13.420	AUTUMN	32166	3RS ET
20-Sep-17	SWL	3	38.810	AUTUMN	32166	3RS ET
20-Sep-17	SWL	4	4.360	AUTUMN	32166	3RS ET
21-Sep-17	NWL	1	4.500	AUTUMN	32166	3RS ET
21-Sep-17	NWL	2	67.480	AUTUMN	32166	3RS ET
09-Oct-17	NEL	2	12.420	AUTUMN	32166	3RS ET
09-Oct-17	NEL	3	30.880	AUTUMN	32166	3RS ET
09-Oct-17	NEL	4	3.500	AUTUMN	32166	3RS ET
18-Oct-17	NEL	2	43.800	AUTUMN	32166	3RS ET
18-Oct-17	NEL	3	3.000	AUTUMN	32166	3RS ET
19-Oct-17	SWL	2	3.260	AUTUMN	32166	3RS ET
19-Oct-17	SWL	3	32.800	AUTUMN	32166	3RS ET
19-Oct-17	SWL	4	26.700	AUTUMN	32166	3RS ET
23-Oct-17	SWL	2	19.370	AUTUMN	32166	3RS ET
23-Oct-17	SWL	3	41.060	AUTUMN	32166	3RS ET
23-Oct-17	SWL	4	2.300	AUTUMN	32166	3RS ET
24-Oct-17	NWL	2	35.250	AUTUMN	32166	3RS ET
24-Oct-17	NWL	3	39.850	AUTUMN	32166	3RS ET
25-Oct-17	NWL	1	2.320	AUTUMN	32166	3RS ET
25-Oct-17	NWL	2	48.270	AUTUMN	32166	3RS ET
25-Oct-17	NWL	3	23.420	AUTUMN	32166	3RS ET
26-Oct-17	AW	2	4.880	AUTUMN	32166	3RS ET
26-Oct-17	WL	2	25.367	AUTUMN	32166	3RS ET
26-Oct-17	WL	3	7.387	AUTUMN	32166	3RS ET
26-Oct-17	SWL	2	6.890	AUTUMN	32166	3RS ET
27-Oct-17	SWL	2	3.450	AUTUMN	32166	3RS ET
27-Oct-17	SWL	3	3.360	AUTUMN	32166	3RS ET
27-Oct-17	WL	2	5.730	AUTUMN	32166	3RS ET
27-Oct-17	WL	3	20.457	AUTUMN	32166	3RS ET
27-Oct-17	WL	4	7.333	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
27-Oct-17	AW	2	4.890	AUTUMN	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. August and September 2017) 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.
04-Aug-17	1	1202	CWD	2	NWL	3	41	ON	3RS ET	22.4075	113.8878	SUMMER	NONE
04-Aug-17	2	1322	CWD	3	NWL	3	42	ON	3RS ET	22.3735	113.8980	SUMMER	NONE
04-Aug-17	3	1339	CWD	3	NWL	1	3	ON	3RS ET	22.3782	113.8978	SUMMER	NONE
08-Aug-17	1	1305	CWD	2	NWL	4	N/A	OFF	3RS ET	22.3817	113.8981	SUMMER	NONE
14-Aug-17	1	1121	CWD	1	WL	3	98	ON	3RS ET	22.2321	113.8264	SUMMER	NONE
14-Aug-17	2	1242	CWD	2	WL	4	149	ON	3RS ET	22.1874	113.8301	SUMMER	NONE
14-Aug-17	3	1252	CWD	4	WL	4	N/A	OFF	3RS ET	22.1920	113.8425	SUMMER	NONE
14-Aug-17	4	1316	CWD	1	SWL	3	N/A	OFF	3RS ET	22.1906	113.8491	SUMMER	NONE
15-Aug-17	1	1029	CWD	1	SWL	2	303	ON	3RS ET	22.2108	113.9358	SUMMER	NONE
15-Aug-17	2	1131	CWD	1	SWL	3	182	ON	3RS ET	22.1818	113.9276	SUMMER	NONE
15-Aug-17	3	1255	CWD	5	SWL	2	146	ON	3RS ET	22.1784	113.9041	SUMMER	NONE
15-Aug-17	4	1338	CWD	1	SWL	3	1090	ON	3RS ET	22.1901	113.8967	SUMMER	NONE
15-Aug-17	5	1343	CWD	8	SWL	3	477	ON	3RS ET	22.1853	113.8973	SUMMER	NONE
15-Aug-17	6	1407	CWD	1	SWL	2	783	ON	3RS ET	22.1756	113.8969	SUMMER	NONE
15-Aug-17	7	1455	CWD	3	SWL	2	11	ON	3RS ET	22.1794	113.8876	SUMMER	NONE
21-Aug-17	1	1232	CWD	3	SWL	3	156	ON	3RS ET	22.1673	113.9050	SUMMER	GILLNET
21-Aug-17	2	1333	CWD	2	SWL	2	29	ON	3RS ET	22.1789	113.8982	SUMMER	NONE
21-Aug-17	3	1344	CWD	8	SWL	2	713	ON	3RS ET	22.1741	113.8972	SUMMER	NONE
21-Aug-17	4	1431	CWD	8	SWL	2	174	ON	3RS ET	22.1729	113.8875	SUMMER	NONE
21-Aug-17	5	1516	CWD	3	SWL	2	15	ON	3RS ET	22.1796	113.8786	SUMMER	NONE
21-Aug-17	6	1539	CWD	2	SWL	2	126	ON	3RS ET	22.1665	113.8688	SUMMER	NONE
21-Aug-17	7	1549	CWD	2	SWL	2	28	ON	3RS ET	22.1720	113.8690	SUMMER	NONE
22-Aug-17	1	0943	CWD	1	AW	1	87	ON	3RS ET	22.2965	113.8825	SUMMER	NONE
22-Aug-17	2	1031	CWD	1	WL	1	37	ON	3RS ET	22.2776	113.8518	SUMMER	NONE
22-Aug-17	3	1043	CWD	2	WL	1	6	ON	3RS ET	22.2684	113.8457	SUMMER	NONE
22-Aug-17	4	1059	CWD	2	WL	1	140	ON	3RS ET	22.2656	113.8585	SUMMER	NONE
22-Aug-17	5	1112	CWD	1	WL	1	189	ON	3RS ET	22.2609	113.8550	SUMMER	NONE
22-Aug-17	6	1127	CWD	6	WL	1	84	ON	3RS ET	22.2602	113.8396	SUMMER	NONE
22-Aug-17	7	1202	CWD	4	WL	2	149	ON	3RS ET	22.2419	113.8404	SUMMER	NONE
22-Aug-17	8	1326	CWD	1	WL	3	31	ON	3RS ET	22.1875	113.8419	SUMMER	NONE
22-Aug-17	9	1335	CWD	4	WL	2	376	ON	3RS ET	22.1865	113.8386	SUMMER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
22-Aug-17	10	1408	CWD	3	SWL	3	182	ON	3RS ET	22.1718	113.8533	SUMMER	NONE
22-Aug-17	11	1432	CWD	4	SWL	2	210	ON	3RS ET	22.1748	113.8594	SUMMER	NONE
11-Sep-17	1	1131	CWD	1	SWL	2	83	ON	3RS ET	22.2054	113.9212	AUTUMN	NONE
11-Sep-17	2	1344	CWD	4	SWL	1	780	ON	3RS ET	22.1795	113.8881	AUTUMN	NONE
12-Sep-17	1	1045	CWD	1	SWL	4	93	ON	3RS ET	22.1932	113.8584	AUTUMN	NONE
12-Sep-17	2	1110	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1814	113.8492	AUTUMN	NONE
12-Sep-17	3	1211	CWD	4	WL	2	53	ON	3RS ET	22.2150	113.8309	AUTUMN	NONE
12-Sep-17	4	1347	CWD	3	WL	2	60	ON	3RS ET	22.2608	113.8471	AUTUMN	NONE
12-Sep-17	5	1358	CWD	3	WL	2	107	ON	3RS ET	22.2640	113.8582	AUTUMN	NONE
18-Sep-17	1	1009	CWD	15	NWL	2	248	ON	3RS ET	22.3365	113.8679	AUTUMN	NONE
18-Sep-17	2	1211	CWD	2	NWL	2	151	ON	3RS ET	22.4006	113.8778	AUTUMN	NONE
18-Sep-17	3	1345	CWD	1	NWL	3	65	ON	3RS ET	22.4003	113.8976	AUTUMN	NONE
19-Sep-17	1	1020	CWD	6	WL	1	860	ON	3RS ET	22.2745	113.8488	AUTUMN	NONE
19-Sep-17	2	1106	CWD	4	WL	2	57	ON	3RS ET	22.2652	113.8578	AUTUMN	NONE
19-Sep-17	3	1126	CWD	2	WL	2	428	ON	3RS ET	22.2603	113.8454	AUTUMN	NONE
19-Sep-17	4	1134	CWD	1	WL	3	30	ON	3RS ET	22.2573	113.8371	AUTUMN	NONE
19-Sep-17	5	1145	CWD	1	WL	3	18	ON	3RS ET	22.2497	113.8429	AUTUMN	NONE
19-Sep-17	6	1202	CWD	3	WL	3	73	ON	3RS ET	22.2408	113.8386	AUTUMN	NONE
19-Sep-17	7	1258	CWD	1	WL	4	113	ON	3RS ET	22.2053	113.8363	AUTUMN	NONE
19-Sep-17	8	1420	CWD	1	SWL	2	261	ON	3RS ET	22.2004	113.8659	AUTUMN	NONE
20-Sep-17	1	1215	CWD	7	SWL	2	305	ON	3RS ET	22.1643	113.9011	AUTUMN	NONE
20-Sep-17	2	1332	CWD	5	SWL	3	90	ON	3RS ET	22.1576	113.8969	AUTUMN	NONE
20-Sep-17	3	1434	CWD	3	SWL	2	496	ON	3RS ET	22.2053	113.8777	AUTUMN	NONE
20-Sep-17	4	1534	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1931	113.8450	AUTUMN	NONE
21-Sep-17	1	0952	CWD	1	NWL	2	1308	ON	3RS ET	22.3786	113.8681	AUTUMN	NONE
21-Sep-17	2	1005	CWD	1	NWL	2	N/A	OFF	3RS ET	22.3685	113.8679	AUTUMN	NONE
21-Sep-17	3	1148	CWD	1	NWL	2	284	ON	3RS ET	22.3730	113.8773	AUTUMN	NONE
21-Sep-17	4	1204	CWD	2	NWL	2	124	ON	3RS ET	22.3901	113.8784	AUTUMN	NONE
19-Oct-17	1	1228	CWD	3	SWL	3	420	ON	3RS ET	22.2031	113.9085	AUTUMN	NONE
19-Oct-17	2	1351	CWD	4	SWL	3	176	ON	3RS ET	22.2053	113.9197	AUTUMN	GILLNET
19-Oct-17	3	1436	FP	1	SWL	3	11	ON	3RS ET	22.1671	113.9271	AUTUMN	NONE
23-Oct-17	1	1110	FP	2	SWL	3	105	ON	3RS ET	22.1654	113.9271	AUTUMN	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
23-Oct-17	2	1133	CWD	1	SWL	2	18	ON	3RS ET	22.2050	113.9222	AUTUMN	NONE
24-Oct-17	1	1114	CWD	3	NWL	2	1096	ON	3RS ET	22.3346	113.8782	AUTUMN	NONE
25-Oct-17	1	1126	CWD	5	NWL	2	178	ON	3RS ET	22.3628	113.8779	AUTUMN	NONE
25-Oct-17	2	1158	CWD	4	NWL	2	459	ON	3RS ET	22.3878	113.8775	AUTUMN	NONE
26-Oct-17	1	1024	CWD	6	WL	2	174	ON	3RS ET	22.2689	113.8519	AUTUMN	NONE
26-Oct-17	2	1052	CWD	5	WL	3	84	ON	3RS ET	22.2605	113.8508	AUTUMN	NONE
26-Oct-17	3	1116	CWD	2	WL	2	814	ON	3RS ET	22.2507	113.8338	AUTUMN	GILLNET
26-Oct-17	4	1142	CWD	2	WL	3	396	ON	3RS ET	22.2413	113.8383	AUTUMN	NONE
26-Oct-17	5	1206	CWD	3	WL	3	427	ON	3RS ET	22.2410	113.8320	AUTUMN	NONE
26-Oct-17	6	1233	CWD	3	WL	3	199	ON	3RS ET	22.2323	113.8309	AUTUMN	NONE
26-Oct-17	7	1301	CWD	6	WL	2	916	ON	3RS ET	22.2237	113.8239	AUTUMN	SHRIMP TRAWLER
26-Oct-17	8	1326	CWD	4	WL	2	67	ON	3RS ET	22.2140	113.8143	AUTUMN	NONE
26-Oct-17	9	1410	CWD	4	WL	2	57	ON	3RS ET	22.1962	113.8343	AUTUMN	NONE
26-Oct-17	10	1511	CWD	2	SWL	2	143	ON	3RS ET	22.1987	113.8593	AUTUMN	NONE
27-Oct-17	1	1236	CWD	5	WL	3	35	ON	3RS ET	22.2415	113.8334	AUTUMN	NONE
27-Oct-17	2	1304	CWD	4	WL	3	257	ON	3RS ET	22.2508	113.8474	AUTUMN	NONE
27-Oct-17	3	1402	CWD	1	WL	2	320	ON	3RS ET	22.2886	113.8613	AUTUMN	NONE

Abbreviations: STG# = Sighting Number; GP SZ = Dolphin 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

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. August and September 2017) 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 October 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 418.111 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 19 on-effort sightings and total number of 67 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in October 2017 are shown as below:

Encounter Rate by Number of Dolphin Sightings (STG) in October 2017

$$STG = \frac{19}{418.111} \times 100 = 4.54$$

Encounter Rate by Number of Dolphins (ANI) in October 2017

$$ANI = \frac{67}{418.111} \times 100 = 16.02$$

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

A total of 1170.333 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 69 on-effort sightings and total number of 223 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)


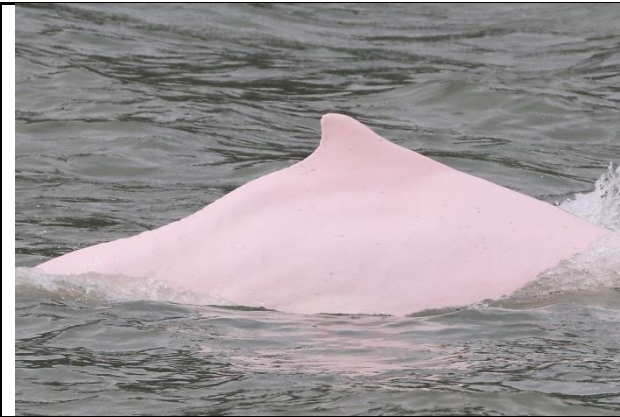






$$STG = \frac{69}{1170.333} \times 100 = 5.90$$

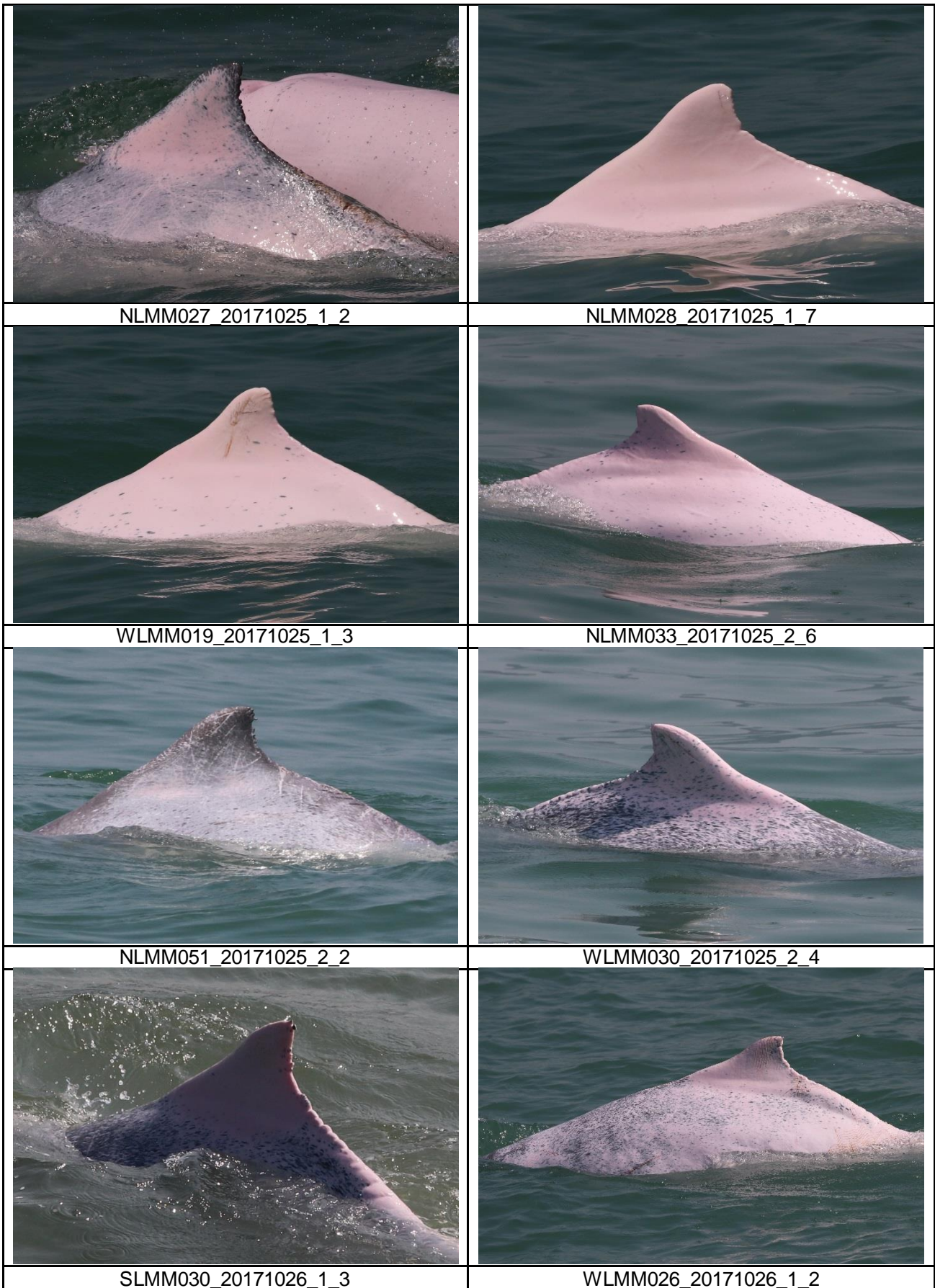
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

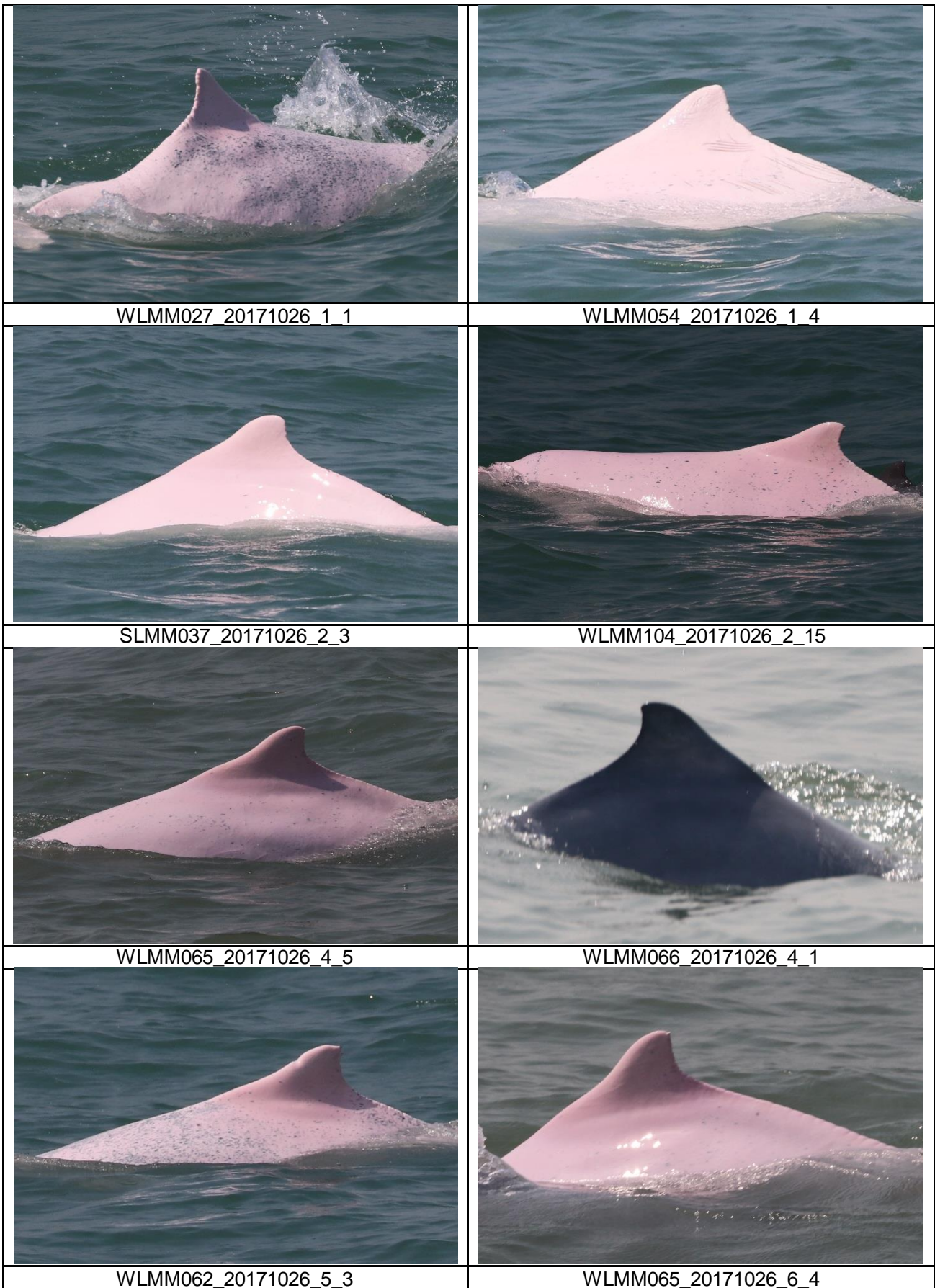
$$ANI = \frac{223}{1170.333} \times 100 = 19.05$$









CWD Small Vessel Line-transect Survey








Photo Identification

	
SLMM030_20171019_1_3	SLMM015_20171019_2_1
	
SLMM021_20171019_2_1	SLMM018_20171023_2_1
	
WLMM019_20171024_1_1	WLMM100_20171024_1_4
	
NLMM002_20171025_1_1	NLMM010_20171025_1_5





	
WLMM066_20171026_6_4	WLMM091_20171026_7_4
	
WLMM093_20171026_7_1	WLMM094_20171026_7_2
	
SLMM023_20171026_8_1	WLMM105_20171026_8_2
	
WLMM106_20171026_8_6	WLMM107_20171026_8_3

	
SLMM031_20171026_10_3	WLMM021_20171027_1_3
	
WLMM056_20171027_1_4	WLMM065_20171027_2_5
	
WLMM066_20171027_2_4_Left	WLMM075_20171027_2_3
	
NLMM015_20171027_3_6	

CWD Land-based Theodolite Tracking

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
20/Oct/17	Lung Kw u Chau	8:52	14:52	6:00	2-3	2	4	1-4
23/Oct/17	Lung Kw u Chau	8:42	14:42	6:00	3-4	3	6	2-4
25/Oct/17	Sha Chau	8:46	14:46	6:00	2	3	0	N/A
26/Oct/17	Sha Chau	9:01	15:01	6:00	2	3	0	N/A
27/Oct/17	Lung Kw u Chau	8:48	14:48	6:00	2-3	2	6	1-6

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

Ecological Monitoring

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

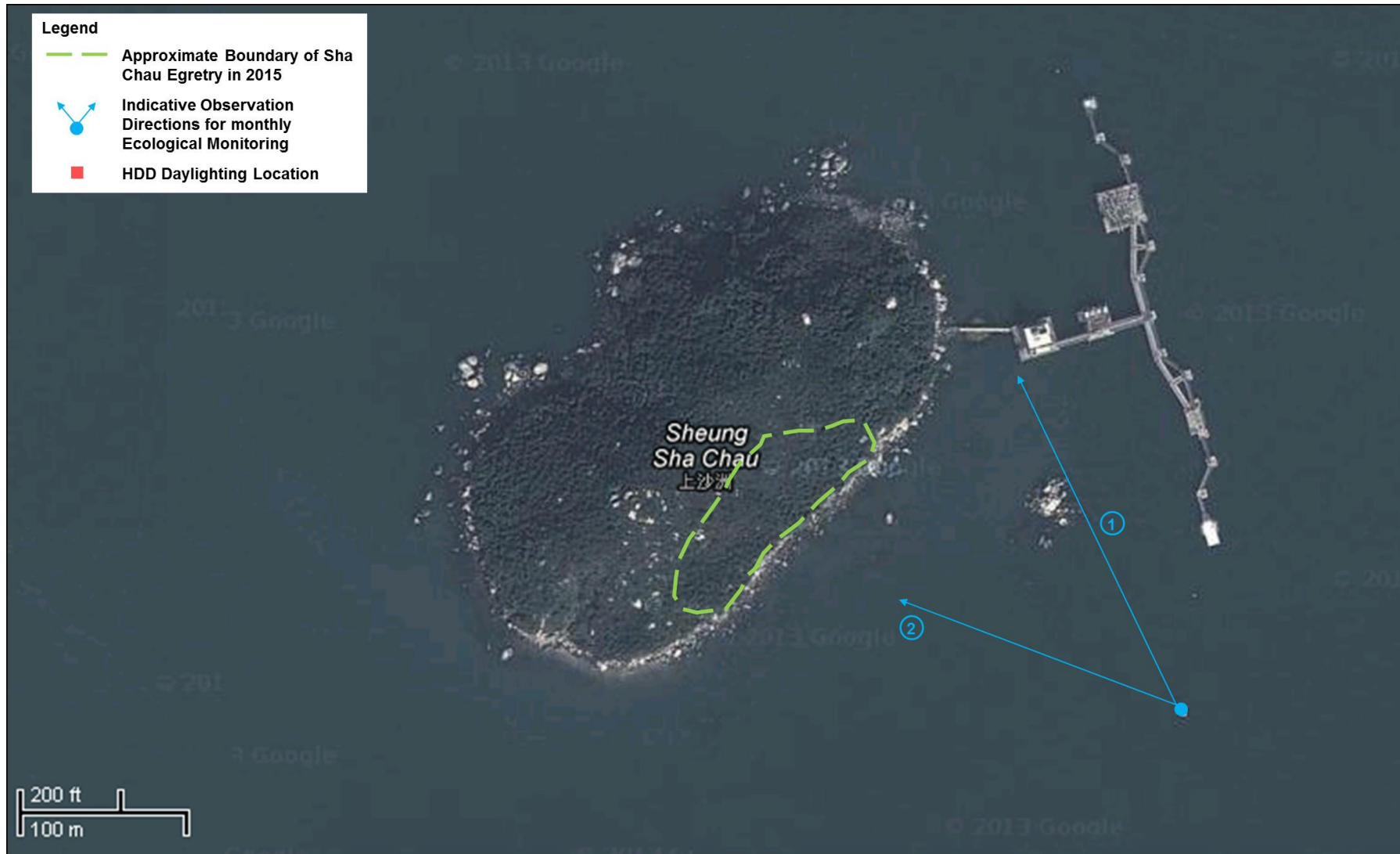


Photo record of View 1



Photo record of View 2

