

Appendix D. Monitoring Results

Air Quality Monitoring Results

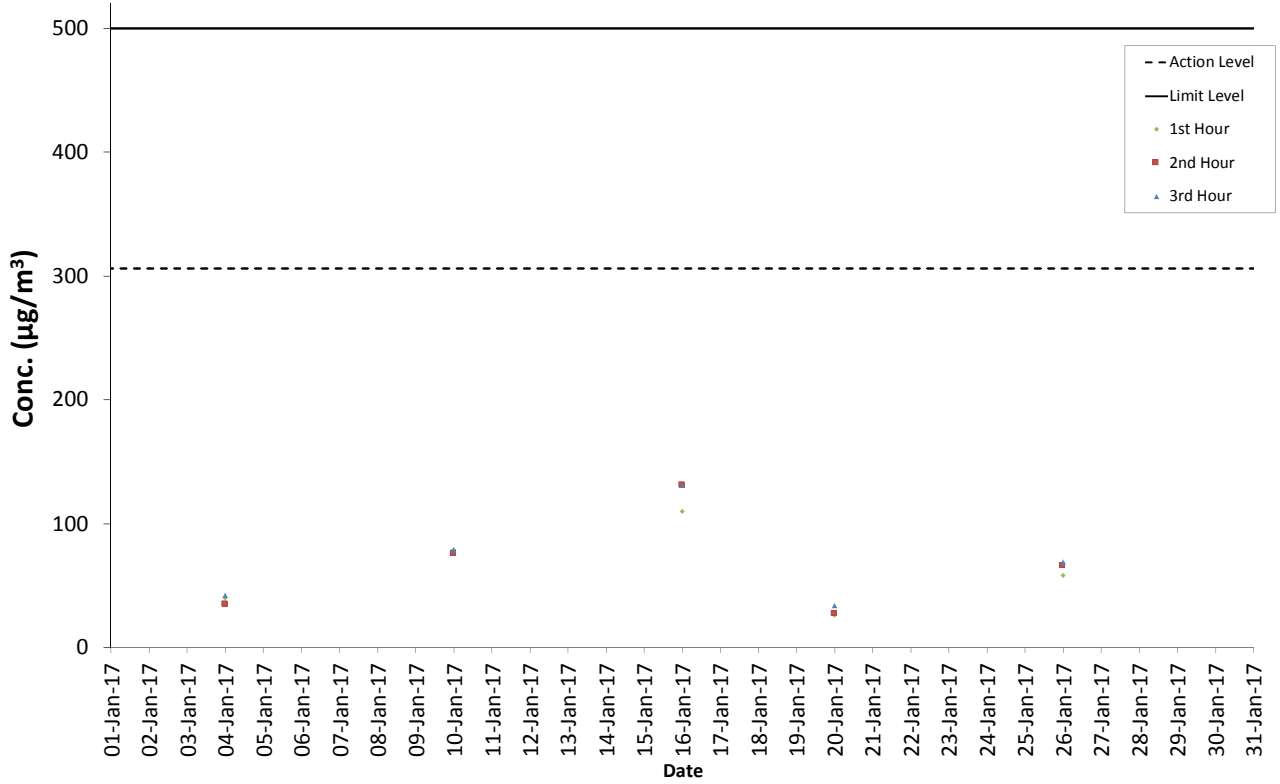
1-hour TSP Results**Station: AR1A- Man Tung Road Park**

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-Jan-17	14:35	Sunny	1.6	302	40	306	500
04-Jan-17	15:35	Sunny	5.3	129	35	306	500
04-Jan-17	16:35	Sunny	5.0	138	42	306	500
10-Jan-17	14:00	Sunny	7.2	92	79	306	500
10-Jan-17	15:00	Sunny	6.4	96	76	306	500
10-Jan-17	16:00	Sunny	6.8	107	79	306	500
16-Jan-17	09:00	Rainy	3	33	110	306	500
16-Jan-17	10:00	Rainy	2.2	43	131	306	500
16-Jan-17	11:00	Rainy	1.5	74	131	306	500
20-Jan-17	09:08	Sunny	5	358	26	306	500
20-Jan-17	10:08	Sunny	5.8	358	27	306	500
20-Jan-17	11:08	Sunny	4.3	346	34	306	500
26-Jan-17	12:56	Sunny	4.3	285	58	306	500
26-Jan-17	13:56	Sunny	4.4	267	66	306	500
26-Jan-17	14:56	Sunny	4.7	253	69	306	500

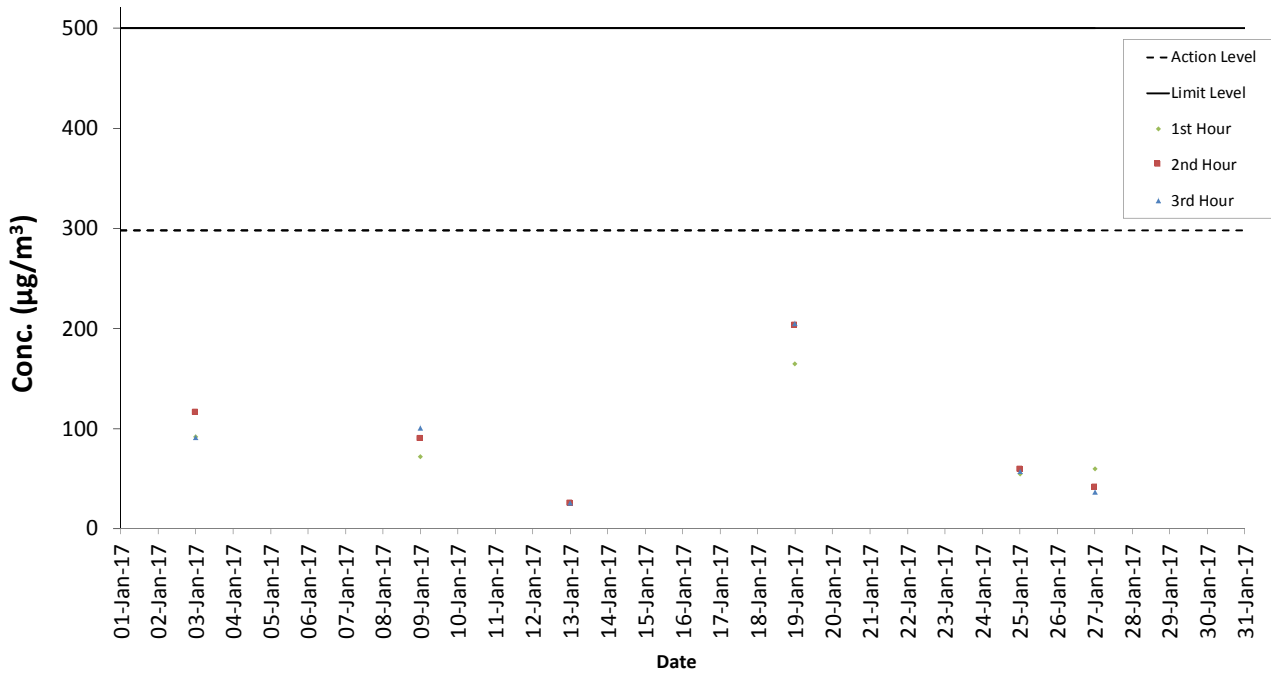
1-hour TSP Results**Station: AR2- Village House, Tin Sum**

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 ($\mu\text{g}/\text{m}^3$)
03-Jan-17	08:55	Fine	6.3	99	92	298	500
03-Jan-17	09:55	Fine	5.7	105	116	298	500
03-Jan-17	10:55	Fine	5.9	112	91	298	500
09-Jan-17	08:55	Fine	5.4	54	72	298	500
09-Jan-17	09:55	Fine	3.1	63	90	298	500
09-Jan-17	10:55	Fine	2.6	29	101	298	500
13-Jan-17	09:00	Cloudy	1.7	40	26	298	500
13-Jan-17	10:00	Cloudy	2.9	1	25	298	500
13-Jan-17	11:00	Cloudy	3.5	12	26	298	500
19-Jan-17	09:04	Cloudy	3.4	337	165	298	500
19-Jan-17	10:04	Cloudy	3.9	324	203	298	500
19-Jan-17	11:04	Cloudy	4.4	329	205	298	500
25-Jan-17	09:02	Sunny	1.6	5	55	298	500
25-Jan-17	10:02	Sunny	4.4	326	59	298	500
25-Jan-17	11:02	Sunny	3.7	303	57	298	500
27-Jan-17	09:00	Sunny	6.4	100	60	298	500
27-Jan-17	10:00	Sunny	5.8	99	41	298	500
27-Jan-17	11:00	Sunny	4.6	105	37	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-Jan-17	Sunny	14:49	71.0	54.5	71
04-Jan-17	Sunny	14:54	70.5	54.5	
04-Jan-17	Sunny	14:59	71.5	54.0	
04-Jan-17	Sunny	15:04	72.5	54.0	
04-Jan-17	Sunny	15:09	71.5	55.5	
04-Jan-17	Sunny	15:14	71.0	56.5	
10-Jan-17	Sunny	16:13	74.0	57.0	72
10-Jan-17	Sunny	16:18	71.0	55.5	
10-Jan-17	Sunny	16:23	71.5	55.0	
10-Jan-17	Sunny	16:28	72.0	54.5	
10-Jan-17	Sunny	16:33	70.5	55.0	
10-Jan-17	Sunny	16:38	73.5	56.5	
16-Jan-17	Cloudy	09:52	73.0	57.0	72
16-Jan-17	Cloudy	09:57	73.5	57.5	
16-Jan-17	Cloudy	10:02	72.0	55.5	
16-Jan-17	Cloudy	10:07	72.0	56.5	
16-Jan-17	Cloudy	10:12	74.5	58.5	
16-Jan-17	Cloudy	10:17	72.5	57.0	
26-Jan-17	Sunny	13:00	74.0	55.0	72
26-Jan-17	Sunny	13:05	73.0	56.0	
26-Jan-17	Sunny	13:10	72.0	55.0	
26-Jan-17	Sunny	13:15	71.5	56.0	
26-Jan-17	Sunny	13:20	71.0	56.0	
26-Jan-17	Sunny	13:25	73.0	56.0	

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)
05-Jan-17	Cloudy	13:00	61.5	58.5	60
05-Jan-17	Cloudy	13:05	61.5	58.5	
05-Jan-17	Cloudy	13:10	60.5	58.5	
05-Jan-17	Cloudy	13:15	61.5	58.5	
05-Jan-17	Cloudy	13:20	62.5	59.5	
05-Jan-17	Cloudy	13:25	61.0	59.0	
11-Jan-17	Cloudy	13:09	56.5	54.5	63
11-Jan-17	Cloudy	13:14	66.0	55.0	
11-Jan-17	Cloudy	13:19	68.0	55.0	
11-Jan-17	Cloudy	13:24	67.5	55.0	
11-Jan-17	Cloudy	13:29	69.0	55.5	
11-Jan-17	Cloudy	13:34	67.5	56.0	
17-Jan-17	Cloudy	09:09	66.5	55.0	57
17-Jan-17	Cloudy	09:14	66.5	56.0	
17-Jan-17	Cloudy	09:19	69.0	57.0	
17-Jan-17	Cloudy	09:24	69.0	57.0	
17-Jan-17	Cloudy	09:29	68.5	56.0	
17-Jan-17	Cloudy	09:34	69.0	56.0	
23-Jan-17	Sunny	13:30	69.5	57.5	61
23-Jan-17	Sunny	13:35	66.5	58.5	
23-Jan-17	Sunny	13:40	69.0	58.0	
23-Jan-17	Sunny	13:45	69.5	57.0	
23-Jan-17	Sunny	13:50	69.0	58.0	
23-Jan-17	Sunny	13:55	67.0	59.5	

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-Jan-17	Sunny	13:34	62.5	58.5	64
04-Jan-17	Sunny	13:39	63.5	58.5	
04-Jan-17	Sunny	13:44	65.5	59.0	
04-Jan-17	Sunny	13:49	64.0	58.0	
04-Jan-17	Sunny	13:54	62.0	58.5	
04-Jan-17	Sunny	13:59	62.0	58.0	
10-Jan-17	Sunny	13:03	66.0	61.0	66
10-Jan-17	Sunny	13:08	68.5	64.0	
10-Jan-17	Sunny	13:13	70.5	65.5	
10-Jan-17	Sunny	13:18	70.0	59.5	
10-Jan-17	Sunny	13:23	63.0	59.0	
10-Jan-17	Sunny	13:28	63.5	58.5	
16-Jan-17	Cloudy	13:44	63.0	57.5	64
16-Jan-17	Cloudy	13:49	64.0	58.0	
16-Jan-17	Cloudy	13:54	63.5	58.5	
16-Jan-17	Cloudy	13:59	62.5	59.0	
16-Jan-17	Cloudy	14:04	64.0	59.0	
16-Jan-17	Cloudy	14:09	63.5	58.5	
26-Jan-17	Sunny	14:10	61.5	57.0	63
26-Jan-17	Sunny	14:15	62.5	57.5	
26-Jan-17	Sunny	14:20	62.0	57.5	
26-Jan-17	Sunny	14:25	62.0	57.5	
26-Jan-17	Sunny	14:30	62.5	57.0	
26-Jan-17	Sunny	14:35	62.5	57.5	

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)
03-Jan-17	Fine	09:18	57.0	47.0	53
03-Jan-17	Fine	09:23	56.0	48.0	
03-Jan-17	Fine	09:28	61.0	50.5	
03-Jan-17	Fine	09:33	59.0	45.5	
03-Jan-17	Fine	09:38	55.0	45.5	
03-Jan-17	Fine	09:43	60.0	48.0	
09-Jan-17	Fine	09:06	62.0	48.0	53
09-Jan-17	Fine	09:11	57.0	48.0	
09-Jan-17	Fine	09:16	59.5	47.0	
09-Jan-17	Fine	09:21	56.0	47.5	
09-Jan-17	Fine	09:26	57.5	48.5	
09-Jan-17	Fine	09:31	62.0	49.5	
19-Jan-17	Cloudy	09:24	60.5	48.0	58
19-Jan-17	Cloudy	09:29	56.5	48.0	
19-Jan-17	Cloudy	09:34	58.0	48.0	
19-Jan-17	Cloudy	09:39	55.5	47.5	
19-Jan-17	Cloudy	09:44	56.5	47.0	
19-Jan-17	Cloudy	09:49	62.0	49.0	
25-Jan-17	Sunny	09:19	57.0	45.5	53
25-Jan-17	Sunny	09:24	55.5	49.0	
25-Jan-17	Sunny	09:29	59.5	50.0	
25-Jan-17	Sunny	09:34	63.0	50.0	
25-Jan-17	Sunny	09:39	57.5	47.5	
25-Jan-17	Sunny	09:44	52.5	45.5	

Remarks:

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

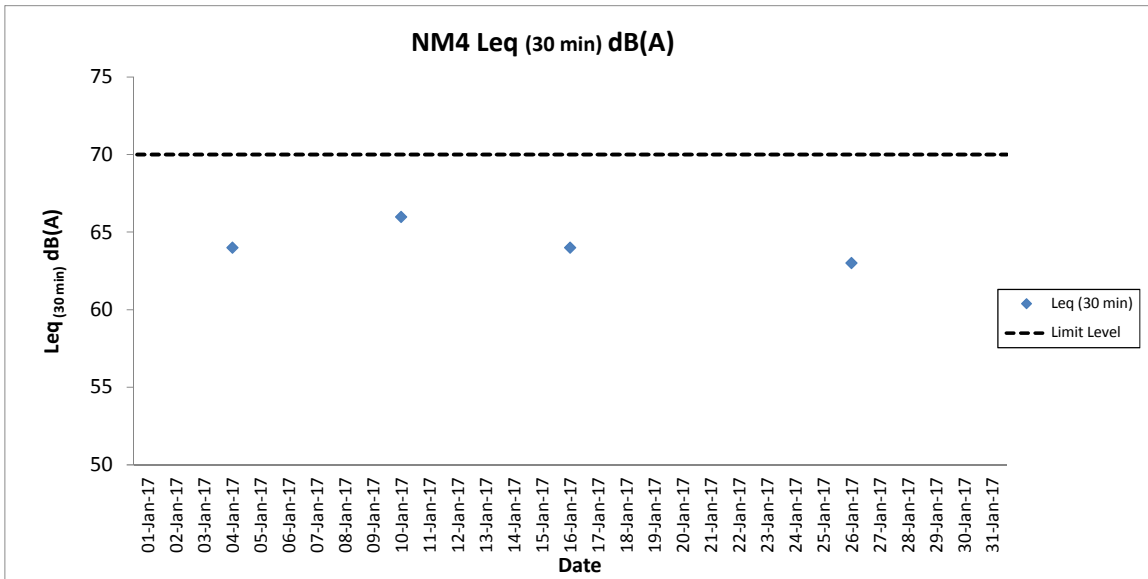
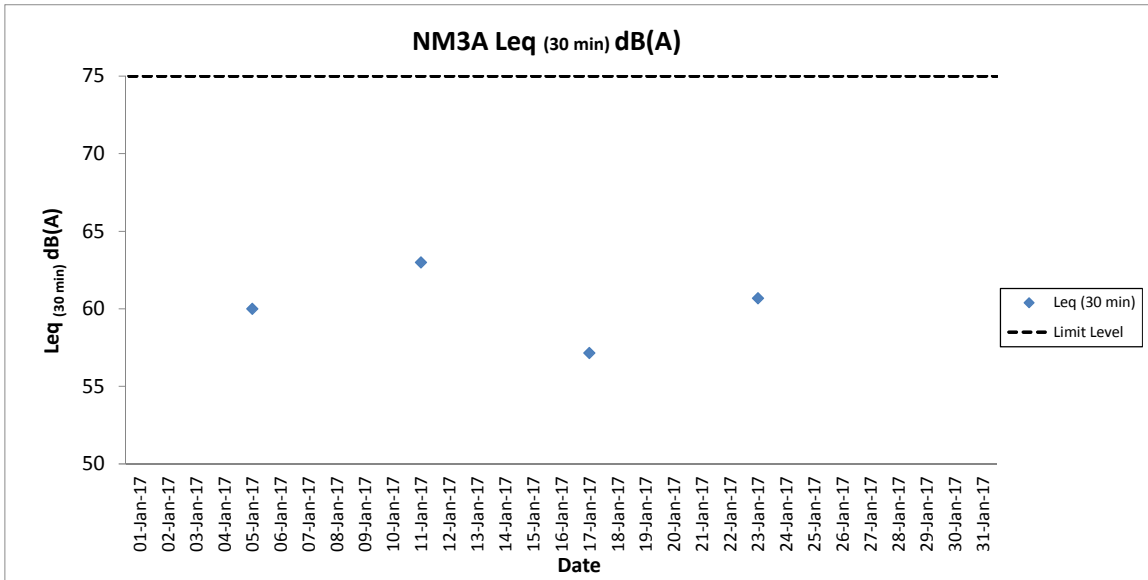
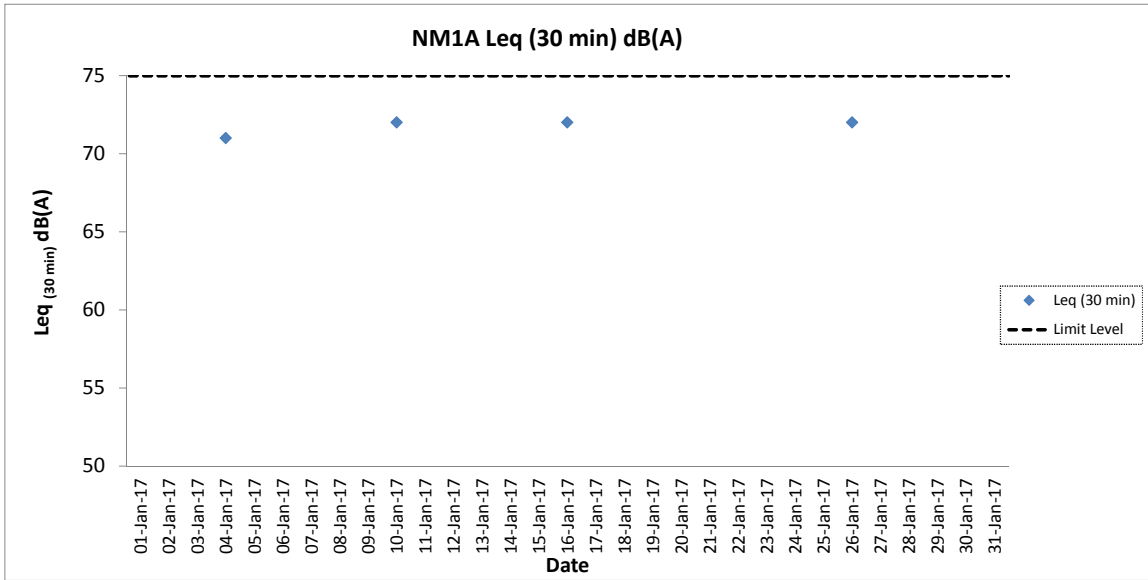
Noise Measurement Results

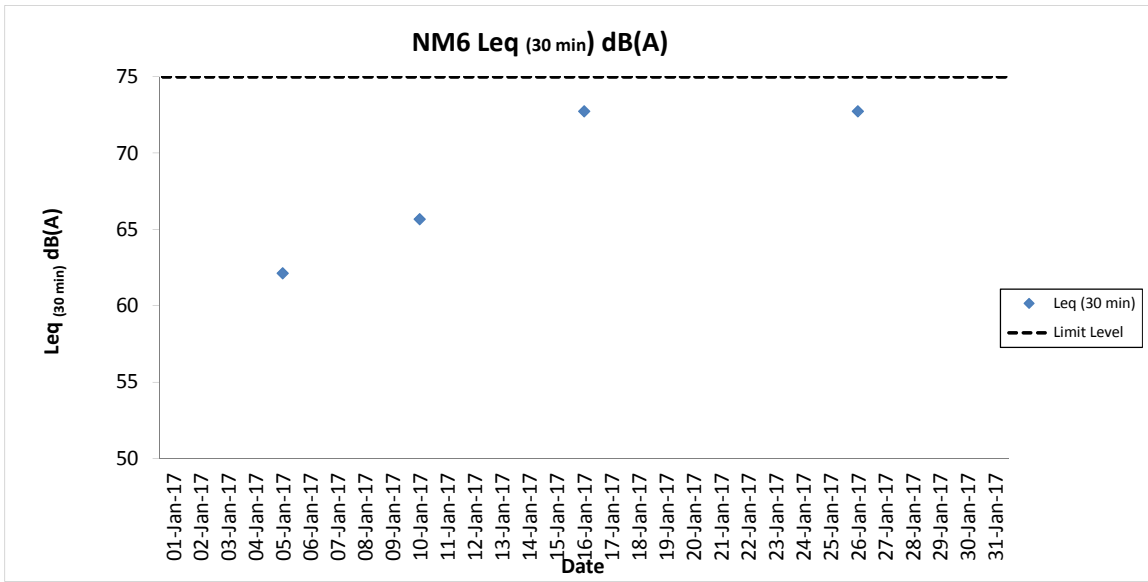
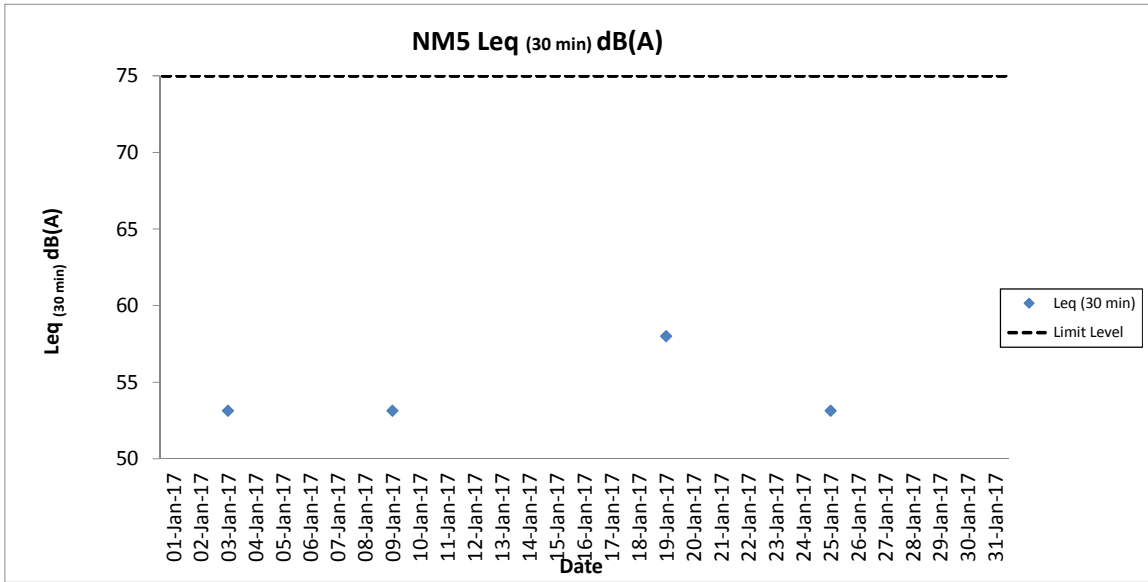
Station: NM6- House No.1 Sha Lo Wan

Date	Weather	Time	Measured L ₁₀ dB(A)	Measured L ₉₀ dB(A)	L _{eq(30mins)} dB(A)
05-Jan-17	Cloudy	09:39	69.0	55.0	62
05-Jan-17	Cloudy	09:44	72.5	60.5	
05-Jan-17	Cloudy	09:49	67.0	55.5	
05-Jan-17	Cloudy	09:54	67.5	55.0	
05-Jan-17	Cloudy	09:59	65.5	58.0	
05-Jan-17	Cloudy	10:04	65.5	57.0	
10-Jan-17	Cloudy	09:38	71.5	56.0	66
10-Jan-17	Cloudy	09:43	70.5	56.5	
10-Jan-17	Cloudy	09:48	71.5	57.5	
10-Jan-17	Cloudy	09:53	67.0	54.5	
10-Jan-17	Cloudy	09:58	69.0	55.0	
10-Jan-17	Cloudy	10:03	69.0	54.5	
16-Jan-17	Cloudy	09:38	74.0	56.0	73
16-Jan-17	Cloudy	09:43	69.5	55.5	
16-Jan-17	Cloudy	09:48	75.5	61.0	
16-Jan-17	Cloudy	09:53	78.5	59.0	
16-Jan-17	Cloudy	09:58	77.5	58.5	
16-Jan-17	Cloudy	10:03	74.0	58.0	
26-Jan-17	Fine	09:39	71.5	57.5	73
26-Jan-17	Fine	09:44	77.0	57.0	
26-Jan-17	Fine	09:49	80.0	58.0	
26-Jan-17	Fine	09:54	75.0	57.5	
26-Jan-17	Fine	09:59	73.0	57.5	
26-Jan-17	Fine	10:04	74.0	57.0	

Remarks:

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





Water Quality Monitoring Results

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

Water Quality Monitoring Results on 03 January 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						
C1	Sunny	Moderate	10:22	8.4	Surface	1.0	0.7	43	19.8	19.8	8.0	8.0	29.6	29.6	110.1	110.1	8.4	8.4	6.8	10.5	16	22	92	93	815614	804258	<0.2	<0.2	1.0	1.0								
						1.0	0.8	43	19.8		8.0	8.0	29.6	29.6	110.0	110.0	8.4		6.7		18		92				<0.2		1.1									
					Middle	4.2	0.7	44	19.7	19.7	8.0	8.0	29.6	29.6	108.5	108.5	8.3	8.3	14.3	10.5	19	22	93	94			815614		804258		<0.2	<0.2	0.9	1.0				
						4.2	0.7	46	19.7		8.0	8.0	29.6	29.6	108.5	108.5	8.3		14.5		20		94								<0.2		1.0					
					Bottom	7.4	0.6	59	19.8	19.8	7.9	7.9	29.5	29.5	103.0	103.0	7.9	7.9	10.4	10.5	30	22	94	95							815614		804258		<0.2	<0.2	1.0	1.0
						7.4	0.6	60	19.8		7.9	7.9	29.5	29.5	102.9	103.0	7.9		10.2		29		95												<0.2		1.0	
C2	Sunny	Moderate	11:51	12.3	Surface	1.0	0.5	256	20.3	20.3	8.1	8.1	26.9	26.9	105.2	105.2	8.1	8.0	4.0	8.0	5	6	85	90	825676	806955		<0.2		<0.2					2.1		2.3	
						1.0	0.6	274	20.3		8.1	8.1	26.9	26.9	105.2	105.2	8.1		4.0		5		85					<0.2							2.4			
					Middle	6.2	0.4	252	19.9	19.9	8.1	8.1	27.3	27.3	100.4	100.4	7.8	7.8	7.6	8.0	6	6	92	92			825676	806955	<0.2			<0.2		2.3	2.3			
						6.2	0.4	261	19.9		8.1	8.1	27.3	27.3	100.4	100.4	7.8		7.6		6		92						<0.2					2.3				
					Bottom	11.3	0.3	274	19.9	19.9	8.1	8.1	28.3	28.3	99.5	99.5	7.7	7.7	12.5	8.0	7	6	94	93					825676		806955		<0.2	<0.2		2.2		2.3
						11.3	0.3	283	19.9		8.1	8.1	28.3	28.3	99.5	99.5	7.7		12.5		7		93										<0.2			2.3		
C3	Sunny	Moderate	09:57	12.1	Surface	1.0	0.6	265	20.0	20.0	8.2	8.2	29.6	29.6	108.4	108.4	8.3	8.2	4.5	10.7	6	7	91	93	822095	817814				<0.2			<0.2			0.9	1.0	
						1.0	0.6	265	20.0		8.2	8.2	29.6	29.6	108.4	108.4	8.3		4.6		6		91							<0.2						1.0		
					Middle	6.1	0.5	258	20.0	20.0	8.2	8.2	29.7	29.7	106.5	106.5	8.1	8.1	8.6	10.7	6	7	93	93			822095	817814		<0.2		<0.2			1.1	1.0		
						6.1	0.6	275	20.0		8.2	8.2	29.7	29.7	106.5	106.5	8.1		8.6		6		93							<0.2					1.0			
					Bottom	11.1	0.4	249	20.0	20.0	8.2	8.2	29.7	29.7	105.8	105.8	8.1	8.1	18.9	10.7	10	7	95	94					822095	817814	<0.2			<0.2	1.1			1.1
						11.1	0.5	265	20.0		8.2	8.2	29.7	29.7	105.8	105.8	8.1		19.1		8		94								<0.2				1.1			
IM1	Sunny	Moderate	10:42	7.3	Surface	1.0	0.6	93	20.0	20.0	8.0	8.0	29.0	29.0	111.8	111.8	8.6	8.5	5.0	6.5	15	17	89	91	818342	806451					<0.2		<0.2		1.1		1.2	
						1.0	0.6	101	20.0		8.0	8.0	29.0	29.0	111.8	111.8	8.6		4.9		15		90								<0.2				1.1			
					Middle	3.7	0.6	132	20.0	20.0	8.0	8.0	28.7	28.7	109.3	109.3	8.4	8.4	5.9	6.5	18	17	91	91			818342	806451			<0.2	<0.2			1.2	1.2		
						3.7	0.6	142	20.0		8.0	8.0	28.7	28.7	109.2	109.3	8.4		5.9		17		91								<0.2				1.2			
					Bottom	6.3	0.5	125	19.9	19.9	7.9	7.9	27.6	27.6	102.9	102.9	8.0	8.0	8.6	6.5	19	17	92	93					818342	806451	<0.2			<0.2	1.2			1.2
						6.3	0.5	125	19.9		7.9	7.9	27.6	27.6	102.8	102.9	8.0		8.6		18		93								<0.2				1.2			
IM2	Sunny	Moderate	10:47	8.1	Surface	1.0	0.6	86	19.9	19.9	8.0	8.0	29.1	29.1	108.5	108.5	8.3	8.3	6.2	7.4	14	17	91	93	818848	806182					<0.2		<0.2		1.3		1.2	
						1.0	0.6	93	19.9		8.0	8.0	29.1	29.1	108.5	108.5	8.3		6.2		14		92								<0.2				1.2			
					Middle	4.1	0.5	97	19.9	19.9	8.0	8.0	28.9	28.9	107.0	107.0	8.2	8.2	7.6	7.4	17	17	92	93			818848	806182			<0.2	<0.2			1.1	1.2		
						4.1	0.6	101	19.9		8.0	8.0	28.9	28.9	106.9	106.9	8.2		7.6		19		93								<0.2				1.2			
					Bottom	7.1	0.5	117	19.9	19.9	8.0	8.0	28.4	28.4	102.3	102.3	7.9	7.9	8.5	7.4	18	17	93	94					818848	806182	<0.2			<0.2	1.2			1.3
						7.1	0.5	126	19.9		8.0	8.0	28.4	28.4	102.3	102.3	7.9		8.5		18		94								<0.2				1.3			
IM3	Sunny	Moderate	10:55	8.3	Surface	1.0	0.6	92	19.9	19.9	8.0	8.0	29.1	29.1	107.9	107.9	8.3	8.2	7.9	9.7	16	19	92	93	819399	806019					<0.2		<0.2		1.3		1.4	
						1.0	0.6	97	19.9		8.0	8.0	29.1	29.1	107.8	107.9	8.3		7.9		17		92								<0.2				1.2			
					Middle	4.2	0.5	90	19.9	19.9	8.0	8.0	28.9	28.9	106.0	106.0	8.1	8.1	9.1	9.7	16	19	93	94			819399	806019			<0.2	<0.2			1.5	1.5		
						4.2	0.6	95	19.9		8.0	8.0	28.9	28.9	105.9	106.0	8.1		9.1		16		94								<0.2				1.5			
					Bottom	7.3	0.5	97	19.9	19.9	7.9	7.9	28.5	28.5	101.1	101.0	7.8	7.8	12.0	9.7	22	19	94	94					819399	806019	<0.2			<0.2	1.4			1.5
						7.3	0.5	97	19.9		7.9	7.9	28.5	28.5	100.9	101.0	7.8		12.1		24		94								<0.2				1.5			
IM4	Sunny	Moderate	11:03	7.8	Surface	1.0	0.6	117	20.1	20.1	8.1	8.1	29.0	29.0	112.2	112.2	8.6	8.5	5.1	8.2	16	19	93	94	819585	805048					<0.2		<0.2		1.0		1.0	
						1.0	0.6	122	20.0		8.1	8.1	29.0	29.0	112.1	112.2	8.6		5.2		15		93								<0.2				1.1			
					Middle	3.9	0.6	109	19.9	19.9	8.0	8.0	28.8	28.8	109.3	109.3	8.4	8.4	8.9	8.2	16	19	94	93			819585	805048			<0.2	<0.2			0.9	1.0		
						3.9	0.6	115	19.9		8.0	8.0	28.8	28.8	109.3	109.3	8.4		9.0		16		93								<0.2				0.9			
					Bottom	6.8	0.5	120	19.9	19.9	8.0	8.0	28.4	28.4	104.3	104.3	8.0	8.0	10.5	8.2	24	19	94	95					819585	805048	<0.2			<0.2	0.9			0.9
						6.8	0.6	120	19.9		8.0	8.0	28.4	28.4	104.2	104.3	8.0		10.4		25		95								<0.2				0.9			
IM5	Sunny	Moderate	11:11	6.7	Surface	1.0	0.6	103	19.9	19.9	8.0	8.0	28.6	28.6	105.7	105.7	8.1	8.1	8.0	10.1	16	20	92	93	820554	804924					<0.2		<0.2		1.0		1.0	
						1.0	0.6	105	19.9		8.0	8.0	28.6	28.6	105.6	105.7	8.1		8.1		15		92								<0.2				1.0			
					Middle	3.4	0.5	116	19.8	19.8	8.0	8.0	28.6	28.6	104.7	104.7	8.1	8.1	10.5	10.1	20	20	93	94			820554	804924			<0.2	<0.2			1.1	1.1		
						3.4	0.6	127	19.8		8.0	8.0	28.6	28.6	104.7	104.7	8.1		10.7		19		94								<0.2				1.1			
					Bottom	5.7	0.5	100	19.8	19.8	8.0	8.0	28.6	28.6	103.7	103.7	8.0	8.0	11.6	10.1	25	20	94	94					820554	804924	<0.2			<0.2	1.1			0.9
						5.7	0.6	107	19.8		8.0	8.0	28.6	28.6	103.7	103.7	8.0		11.6		24		94								<0.2				0.9			
IM6	Sunny	Moderate	11:19	6.6	Surface	1.0	0.6	91	19.9	19.9	8.0	8.0	28.8	28.8	106.9	106.9	8.2	8.2	8.0	9.3	21	22	91	92	821044	805840					<0.2		<0.2		0.9		1.0	
						1.0	0.7	96	19.9		8.0	8.0	28.8	28.8	106.8	106.9	8.2		8.0		20		90								<0.2				0.8			
					Middle	3.3	0.6	78	19.9	19.9	8.0	8.0	28.																									

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

Water Quality Monitoring Results on 03 January 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
									IM9	Sunny	Moderate	11:04	7.4	Surface	1.0	0.5	252	19.9	19.9	8.1	8.1	27.4	27.4	104.3			104.3	8.1	8.1	4.5	8.1	4.5
					Surface	1.0	0.5	252	19.9	19.9	8.1	8.1	27.4	27.4	104.2	104.3	8.1	8.1	4.5	8.1	4.5	8.1	8	87	91	822076	808825	<0.2	1.8	<0.2	1.8	
					Middle	3.7	0.5	257	19.9	19.9	8.1	8.1	27.4	27.4	103.6	103.6	8.0	8.0	4.5	8.1	4.5	4.7	9	92	91	822076	808825	<0.2	1.9	<0.2	2.0	
					Middle	3.7	0.5	272	19.9	19.9	8.1	8.1	27.4	27.4	103.6	103.6	8.0	8.0	4.5	8.1	4.5	4.7	8	92	91	822076	808825	<0.2	2.0	<0.2	1.6	
					Bottom	6.4	0.5	249	19.9	19.9	8.1	8.1	27.5	27.5	102.9	102.9	8.0	8.0	5.2	8.0	5.2	4.7	10	93	91	822076	808825	<0.2	1.6	<0.2	1.7	
					Bottom	6.4	0.5	257	19.9	19.9	8.1	8.1	27.5	27.5	102.9	102.9	8.0	8.0	5.2	8.0	5.2	4.7	12	94	91	822076	808825	<0.2	1.7	<0.2	1.7	
IM10	Sunny	Moderate	10:54	7.2	Surface	1.0	0.6	291	19.9	19.9	8.2	8.2	28.9	28.9	108.7	108.7	8.3	8.3	8.4	8.3	8.4	10.5	16	87	91	822225	809835	<0.2	1.3	<0.2	1.2	
					Surface	1.0	0.6	315	19.9	19.9	8.2	8.2	28.9	28.9	108.7	108.7	8.3	8.3	8.4	8.3	8.4	10.5	15	88	91	822225	809835	<0.2	1.2	<0.2	1.1	
					Middle	3.6	0.6	284	19.9	19.9	8.2	8.2	28.9	28.9	107.2	107.2	8.2	8.2	11.8	8.1	11.8	10.5	15	92	91	822225	809835	<0.2	1.1	<0.2	0.9	
					Middle	3.6	0.6	305	19.9	19.9	8.2	8.2	28.9	28.9	107.2	107.2	8.2	8.2	11.5	8.1	11.5	10.5	16	92	91	822225	809835	<0.2	0.9	<0.2	1.2	
					Bottom	6.2	0.5	296	19.9	19.9	8.2	8.2	28.9	28.9	104.8	104.8	8.1	8.1	11.3	8.1	11.3	10.5	15	93	91	822225	809835	<0.2	1.2	<0.2	1.1	
					Bottom	6.2	0.5	321	19.9	19.9	8.2	8.2	28.9	28.9	104.8	104.8	8.1	8.1	11.3	8.1	11.3	10.5	15	93	91	822225	809835	<0.2	1.1	<0.2	1.1	
IM11	Sunny	Moderate	10:48	7.9	Surface	1.0	0.6	268	20.1	20.1	8.2	8.2	29.0	29.0	113.2	113.2	8.7	8.7	6.8	8.7	6.8	12.3	9	88	91	821512	810540	<0.2	0.9	<0.2	0.9	
					Surface	1.0	0.6	281	20.1	20.1	8.2	8.2	29.0	29.0	113.1	113.2	8.7	8.7	7.7	8.7	7.7	12.3	10	88	91	821512	810540	<0.2	0.9	<0.2	0.9	
					Middle	4.0	0.6	273	20.0	20.0	8.2	8.2	29.4	29.4	111.9	111.9	8.6	8.6	12.0	8.5	12.0	12.3	9	92	91	821512	810540	<0.2	0.9	<0.2	1.1	
					Middle	4.0	0.6	289	20.0	20.0	8.2	8.2	29.4	29.4	111.9	111.9	8.6	8.6	12.2	8.5	12.2	12.3	9	93	91	821512	810540	<0.2	1.1	<0.2	1.1	
					Bottom	6.9	0.6	266	19.9	19.9	8.2	8.2	29.4	29.4	111.1	111.1	8.5	8.5	17.4	8.5	17.4	12.3	12	93	91	821512	810540	<0.2	1.1	<0.2	1.1	
					Bottom	6.9	0.6	286	19.9	19.9	8.2	8.2	29.4	29.4	111.1	111.1	8.5	8.5	17.5	8.5	17.5	12.3	12	93	91	821512	810540	<0.2	1.1	<0.2	1.1	
IM12	Sunny	Moderate	10:40	8.2	Surface	1.0	0.6	277	20.0	20.0	8.2	8.2	29.5	29.5	111.1	111.1	8.5	8.5	7.5	8.5	7.5	8.9	9	89	91	821171	811512	<0.2	0.8	<0.2	0.8	
					Surface	1.0	0.7	299	20.0	20.0	8.2	8.2	29.5	29.5	111.1	111.1	8.5	8.5	7.5	8.5	7.5	8.9	9	89	91	821171	811512	<0.2	0.8	<0.2	0.8	
					Middle	4.1	0.5	272	19.9	19.9	8.2	8.2	29.7	29.7	110.0	110.0	8.4	8.4	9.3	8.3	9.3	8.9	11	92	91	821171	811512	<0.2	0.6	<0.2	0.6	
					Middle	4.1	0.6	292	19.9	19.9	8.2	8.2	29.7	29.7	110.0	110.0	8.4	8.4	9.3	8.3	9.3	8.9	13	92	91	821171	811512	<0.2	0.6	<0.2	0.6	
					Bottom	7.2	0.5	279	19.9	19.9	8.2	8.2	29.7	29.7	108.6	108.6	8.3	8.3	9.9	8.3	9.9	8.9	15	93	91	821171	811512	<0.2	0.5	<0.2	0.4	
					Bottom	7.2	0.5	295	19.9	19.9	8.2	8.2	29.7	29.7	108.6	108.6	8.3	8.3	9.8	8.3	9.8	8.9	14	93	91	821171	811512	<0.2	0.4	<0.2	0.4	
SR2	Sunny	Moderate	10:19	4.0	Surface	1.0	0.2	159	20.0	20.0	8.2	8.2	29.4	29.4	110.0	110.0	8.4	8.4	9.3	8.4	9.3	8.8	11	90	92	821463	814175	<0.2	0.9	<0.2	0.9	
					Surface	1.0	0.2	164	20.0	20.0	8.2	8.2	29.4	29.4	110.0	110.0	8.4	8.4	9.2	8.4	9.2	8.8	10	90	92	821463	814175	<0.2	0.9	<0.2	0.9	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	-	12	-	92	821463	814175	<0.2	-	<0.2	-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.8	-	12	-	92	821463	814175	<0.2	-	<0.2	-	
					Bottom	3.0	0.2	160	20.0	20.0	8.2	8.2	29.4	29.4	108.9	108.9	8.3	8.3	8.4	8.3	8.4	8.8	12	93	92	821463	814175	<0.2	0.9	<0.2	0.9	
					Bottom	3.0	0.2	160	20.0	20.0	8.2	8.2	29.4	29.4	108.8	108.9	8.3	8.3	8.3	8.3	8.3	8.8	14	93	92	821463	814175	<0.2	0.8	<0.2	0.8	
SR3	Sunny	Moderate	11:21	8.6	Surface	1.0	0.5	231	20.0	20.0	8.1	8.1	27.0	27.0	103.7	103.7	8.0	8.0	6.0	8.0	6.0	7.3	7	-	-	822136	807589	-	-	-	-	
					Surface	1.0	0.5	245	20.0	20.0	8.1	8.1	27.0	27.0	103.7	103.7	8.0	8.0	6.0	8.0	6.0	7.3	5	-	-	822136	807589	-	-	-	-	
					Middle	4.3	0.5	191	19.9	19.9	8.1	8.1	27.0	27.0	102.9	102.9	8.0	8.0	7.4	8.0	7.4	7.3	16	-	-	822136	807589	-	-	-	-	
					Middle	4.3	0.5	207	19.9	19.9	8.1	8.1	27.0	27.0	102.9	102.9	8.0	8.0	7.4	8.0	7.4	7.3	15	-	-	822136	807589	-	-	-	-	
					Bottom	7.6	0.5	212	19.9	19.9	8.1	8.1	27.2	27.2	100.5	100.5	7.8	7.8	8.5	7.8	8.5	7.3	16	-	-	822136	807589	-	-	-	-	
					Bottom	7.6	0.5	215	19.9	19.9	8.1	8.1	27.2	27.2	100.5	100.5	7.8	7.8	8.6	7.8	8.6	7.3	17	-	-	822136	807589	-	-	-	-	
SR4A	Sunny	Moderate	10:00	8.8	Surface	1.0	0.3	188	19.9	19.9	8.0	8.0	29.6	29.6	104.7	104.7	8.0	8.0	9.3	8.0	9.3	8.2	15	-	-	817204	807814	-	-	-	-	
					Surface	1.0	0.3	196	19.9	19.9	8.0	8.0	29.6	29.6	104.7	104.7	8.0	8.0	9.3	8.0	9.3	8.2	14	-	-	817204	807814	-	-	-	-	
					Middle	4.4	0.3	193	19.9	19.9	8.0	8.0	29.4	29.4	104.1	104.1	8.0	8.0	8.4	8.0	8.4	8.2	18	-	-	817204	807814	-	-	-	-	
					Middle	4.4	0.3	205	19.9	19.9	8.0	8.0	29.4	29.4	104.1	104.1	8.0	8.0	8.4	8.0	8.4	8.2	19	-	-	817204	807814	-	-	-	-	
					Bottom	7.8	0.3	195	19.9	19.9	8.0	8.0	29.1	29.1	102.9	102.9	7.9	7.9	6.8	7.9	6.8	8.2	19	-	-	817204	807814	-	-	-	-	
					Bottom	7.8	0.3	199	19.9	19.9	8.0	8.0	29.0	29.1	102.8	102.9	7.9	7.9	6.8	7.												

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

Water Quality Monitoring Results on 03 January 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	Sunny	Moderate	16:02	8.4	Surface	1.0	0.3	146	20.3	20.3	8.1	8.1	29.0	29.0	106.6	106.5	8.1	8.0	3.0	4.0	6	7	92	94	815611	804247	<0.2	0.4	<0.2	0.5				
						1.0	0.3	148	20.3	8.1	8.1	29.0	29.0	106.4	106.5	8.1	8.0	3.1	4.0	6	7	93	94	<0.2			0.6	<0.2	0.6					
					Middle	4.2	0.3	153	20.0	20.0	8.1	8.1	29.3	29.3	102.9	102.8	7.9	7.6	3.7	3.1	8	7	8	7			94	94	<0.2	0.6	<0.2	0.4		
						4.2	0.3	154	20.0	20.0	8.1	8.1	29.3	29.3	102.7	102.8	7.9	7.6	3.8	3.1	7	7	7	7			94	94	<0.2	0.4	<0.2	0.4		
					Bottom	7.4	0.3	157	19.8	19.8	8.0	8.0	29.1	29.1	98.7	98.7	7.6	7.6	5.0	5.1	5.0	5.1	7	6			7	6	94	95	<0.2	0.4	<0.2	0.4
						7.4	0.3	164	19.8	19.8	8.0	8.0	29.1	29.1	98.6	98.7	7.6	7.6	5.1	5.1	5.1	5.1	6	6			6	6	95	95	<0.2	0.4	<0.2	0.4
C2	Sunny	Moderate	14:57	12.2	Surface	1.0	0.2	178	20.2	20.2	8.2	8.2	27.1	27.1	108.9	108.9	8.4	8.3	4.1	6.3	5	8	84	90	825695	806963	<0.2	2.4	<0.2	1.5				
						1.0	0.3	180	20.2	20.2	8.2	8.2	27.1	27.1	108.9	108.9	8.4	8.3	4.1	6.3	5	8	84	90			<0.2	2.4	<0.2	1.2				
					Middle	6.1	0.2	174	20.0	20.0	8.2	8.2	28.8	28.8	105.9	105.9	8.1	8.1	6.4	6.4	8	8	8	8			92	92	<0.2	1.3	<0.2	0.9		
						6.1	0.3	187	20.0	20.0	8.2	8.2	28.8	28.8	105.9	105.9	8.1	8.1	6.4	6.4	9	8	9	8			92	92	<0.2	0.9	<0.2	0.9		
					Bottom	11.2	0.2	175	20.0	20.0	8.2	8.2	29.4	29.4	105.5	105.5	8.1	8.1	8.5	8.5	11	11	11	11			11	11	93	93	<0.2	0.9	<0.2	0.9
						11.2	0.2	190	20.0	20.0	8.2	8.2	29.4	29.4	105.5	105.5	8.1	8.1	8.5	8.5	11	11	11	11			11	11	93	93	<0.2	0.9	<0.2	0.9
C3	Sunny	Moderate	16:52	12.7	Surface	1.0	0.4	87	20.3	20.3	8.2	8.2	29.8	29.8	109.2	109.2	8.3	8.1	3.0	3.1	5	5	89	92	822114	817785	<0.2	0.5	<0.2	0.5				
						1.0	0.4	90	20.3	20.3	8.2	8.2	29.8	29.8	109.2	109.2	8.3	8.1	3.0	3.1	6	5	90	92			<0.2	0.5	<0.2	0.5				
					Middle	6.4	0.3	98	20.2	20.2	8.2	8.2	29.9	29.9	103.5	103.5	7.9	7.9	2.8	2.8	4	4	4	5			92	92	<0.2	0.5	<0.2	0.5		
						6.4	0.4	102	20.2	20.2	8.2	8.2	29.9	29.9	103.5	103.5	7.9	7.9	2.8	2.8	4	4	4	5			92	92	<0.2	0.5	<0.2	0.5		
					Bottom	11.7	0.3	116	20.1	20.1	8.2	8.2	30.1	30.1	99.8	99.8	7.6	7.6	3.6	3.6	5	7	5	7			95	94	<0.2	0.6	<0.2	0.5		
						11.7	0.3	116	20.1	20.1	8.2	8.2	30.1	30.1	99.8	99.8	7.6	7.6	3.6	3.6	7	7	7	7			94	94	<0.2	0.5	<0.2	0.5		
IM1	Sunny	Moderate	15:39	7.4	Surface	1.0	0.3	197	20.0	20.0	8.1	8.1	29.4	29.4	110.4	110.4	8.4	8.3	4.4	4.8	11	12	90	91	818364	806438	<0.2	0.4	<0.2	0.6				
						1.0	0.3	204	20.0	20.0	8.1	8.1	29.4	29.4	110.3	110.4	8.4	8.3	4.4	4.8	11	12	90	91			<0.2	0.4	<0.2	0.6				
					Middle	3.7	0.3	184	20.0	20.0	8.1	8.1	29.3	29.3	107.3	107.2	8.2	8.2	4.9	4.8	11	12	91	91			<0.2	0.8	<0.2	0.9				
						3.7	0.3	185	20.0	20.0	8.1	8.1	29.3	29.3	107.1	107.2	8.2	8.2	4.8	4.8	13	12	91	91			<0.2	0.9	<0.2	0.6				
					Bottom	6.4	0.3	161	19.9	19.9	8.1	8.1	29.1	29.1	102.0	101.9	7.8	7.8	5.1	5.1	12	11	12	11			92	92	<0.2	0.6	<0.2	0.6		
						6.4	0.3	165	19.9	19.9	8.1	8.1	29.1	29.1	101.8	101.8	7.8	7.8	5.1	5.1	11	11	11	11			92	92	<0.2	0.6	<0.2	0.6		
IM2	Sunny	Moderate	15:34	8.7	Surface	1.0	0.4	166	20.2	20.2	8.1	8.1	29.4	29.4	110.3	110.2	8.4	8.3	4.6	5.0	9	10	89	91	818839	806179	<0.2	0.5	<0.2	0.5				
						1.0	0.4	166	20.2	20.2	8.1	8.1	29.3	29.4	110.1	110.2	8.4	8.3	4.6	5.0	8	10	89	91			<0.2	0.6	<0.2	0.6				
					Middle	4.4	0.4	180	19.8	19.8	8.1	8.1	29.4	29.4	106.8	106.8	8.2	8.2	5.3	5.4	8	10	90	92			<0.2	0.6	<0.2	0.4				
						4.4	0.4	191	19.8	19.8	8.1	8.1	29.4	29.4	106.7	106.7	8.2	8.2	5.4	5.4	10	10	92	92			<0.2	0.4	<0.2	0.6				
					Bottom	7.7	0.4	175	19.8	19.8	8.0	8.0	29.2	29.2	102.4	102.3	7.9	7.9	5.0	5.0	11	12	11	12			92	92	<0.2	0.6	<0.2	0.5		
						7.7	0.4	181	19.8	19.8	8.0	8.0	29.2	29.2	102.1	102.3	7.8	7.8	5.0	5.0	12	12	12	12			92	92	<0.2	0.5	<0.2	0.5		
IM3	Sunny	Moderate	15:26	8.3	Surface	1.0	0.2	182	20.0	20.0	8.1	8.1	29.2	29.2	110.8	110.8	8.5	8.3	4.3	5.1	7	10	91	92	819392	806027	<0.2	0.7	<0.2	0.6				
						1.0	0.3	194	20.0	20.0	8.1	8.1	29.2	29.2	110.7	110.8	8.5	8.3	4.3	5.1	7	10	92	92			<0.2	0.6	<0.2	0.6				
					Middle	4.2	0.3	194	19.8	19.8	8.1	8.1	29.0	29.0	105.6	105.5	8.1	8.1	5.1	5.1	11	10	92	92			<0.2	0.6	<0.2	0.6				
						4.2	0.3	201	19.8	19.8	8.1	8.1	29.0	29.0	105.4	105.5	8.1	8.1	5.1	5.1	11	10	92	92			<0.2	0.6	<0.2	0.6				
					Bottom	7.3	0.3	165	19.8	19.8	8.0	8.0	28.5	28.5	100.4	100.3	7.8	7.8	5.9	5.9	11	11	93	93			<0.2	0.6	<0.2	0.6				
						7.3	0.3	177	19.8	19.8	8.0	8.0	28.5	28.5	100.1	100.1	7.7	7.7	5.9	5.9	11	11	93	93			<0.2	0.7	<0.2	0.7				
IM4	Sunny	Moderate	15:18	8.1	Surface	1.0	0.3	200	20.2	20.2	8.1	8.1	29.2	29.2	112.5	112.5	8.6	8.3	3.6	4.7	8	10	91	93	819576	805049	<0.2	0.6	<0.2	0.7				
						1.0	0.3	212	20.2	20.2	8.1	8.1	29.2	29.2	112.4	112.5	8.6	8.3	3.6	4.7	8	10	92	93			<0.2	0.6	<0.2	0.6				
					Middle	4.1	0.3	187	19.8	19.8	8.0	8.0	29.4	29.4	104.6	104.5	8.0	8.0	5.0	5.0	9	10	93	93			<0.2	0.8	<0.2	0.8				
						4.1	0.3	193	19.8	19.8	8.0	8.0	29.4	29.4	104.4	104.4	8.0	8.0	5.0	5.0	10	10	93	93			<0.2	0.8	<0.2	0.8				
					Bottom	7.1	0.3	160	19.8	19.8	8.0	8.0	29.4	29.4	100.5	100.4	7.7	7.7	5.5	5.5	10	12	94	94			<0.2	0.6	<0.2	0.6				
						7.1	0.3	166	19.8	19.8	8.0	8.0	29.4	29.4	100.3	100.4	7.7	7.7	5.5	5.5	12	12	94	94			<0.2	0.5	<0.2	0.5				
IM5	Sunny	Moderate	15:11	6.9	Surface	1.0	0.5	177	20.2	20.2	8.1	8.1	29.0	29.0	114.8	114.7	8.8	8.5	3.8	4.8	10	10	90	91	820562	804908	<0.2	0.6	<0.2	0.7				
						1.0	0.5	188	20.2	20.2	8.1	8.1	29.0	29.0	114.6	114.7	8.8	8.5	3.9	4.8	9	10	90	91			<0.2	0.5	<0.2	0.7				
					Middle	3.5	0.4	170	19.9	19.9	8.1	8.1	29.1	29.1	107.6	107.5	8.2	8.2	5.0	5.1	10	10	91	91			<0.2	0.7	<0.2	0.8				
						3.5	0.4	185	19.9	19.9	8.1	8.1	29.1	29.1	107.4	107.5	8.2	8.2	5.1	5.1	10	10	91	91			<0.2	0.8	<0.2	0.7				
					Bottom	5.9	0.4	172	19.8	19.8	8.0	8.0	29.3	29.3	103.2	103.2	7.9	7.9	5.5	5.5	11	11	92	92			<0.2	0.7	<0.2	0.7				
						5.9	0.4	176	19.8	19.8	8.0	8.0	29.3	29.3	103.1	103.1	7.9	7.9	5.															

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

Water Quality Monitoring Results on 05 January 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
C1	Cloudy	Moderate	11:56	8.7	Surface	1.0	0.7	49	20.1	20.1	8.1	8.1	28.2	28.2	112.5	112.5	8.6	8.5	7.1	11.0	10	25	90	91	815638	804238	<0.2	<0.2	0.8	0.8		
						1.0	0.8	51	20.1	20.1	8.1	8.1	28.2	28.2	112.4	112.4	8.6	8.5	7.3	11.0	9	25	90	91	815638	804238	<0.2	<0.2	0.8	0.8		
						4.4	0.6	54	20.0	20.0	8.0	8.0	28.4	28.4	109.5	109.5	8.4	8.0	11.9	11.0	22	25	91	91	815638	804238	<0.2	<0.2	0.8	0.8		
					4.4	0.6	55	20.0	20.0	8.0	8.0	28.4	28.4	109.5	109.5	8.4	8.0	11.8	11.0	22	25	91	91	815638	804238	<0.2	<0.2	0.8	0.8			
					7.7	0.6	60	20.0	20.0	7.9	7.9	28.4	28.4	104.2	104.2	8.0	8.0	14.0	8.0	14.0	8.0	40	25	92	91	815638	804238	<0.2	<0.2	0.6	0.6	
					7.7	0.6	63	20.0	20.0	7.9	7.9	28.4	28.4	104.1	104.1	8.0	8.0	13.9	8.0	13.9	8.0	44	25	92	91	815638	804238	<0.2	<0.2	0.7	0.7	
C2	Cloudy	Moderate	13:15	12.6	Surface	1.0	0.4	45	20.4	20.4	8.0	8.0	25.7	25.7	106.7	106.7	8.3	8.2	6.6	9.0	5	6	86	90	825675	806934	<0.2	<0.2	3.0	3.0		
						1.0	0.4	48	20.4	20.4	8.0	8.0	25.7	25.7	106.7	106.7	8.3	8.2	6.6	9.0	5	6	85	90	825675	806934	<0.2	<0.2	3.0	3.0		
						6.3	0.4	127	20.4	20.4	8.0	8.0	26.4	26.4	103.9	103.9	8.0	8.0	10.5	8.0	6	6	92	90	825675	806934	<0.2	<0.2	2.9	2.9		
					6.3	0.4	127	20.4	20.4	8.0	8.0	26.4	26.4	103.9	103.9	8.0	8.0	10.5	8.0	6	6	92	90	825675	806934	<0.2	<0.2	2.5	2.5			
					11.6	0.4	274	20.3	20.3	8.0	8.0	27.7	27.7	103.2	103.2	7.9	7.9	9.8	7.9	9.8	7.9	5	6	94	90	825675	806934	<0.2	<0.2	2.8	2.8	
					11.6	0.4	283	20.3	20.3	8.0	8.0	27.7	27.7	103.2	103.2	7.9	7.9	9.8	7.9	9.8	7.9	6	6	93	90	825675	806934	<0.2	<0.2	2.8	2.8	
C3	Cloudy	Moderate	11:20	11.9	Surface	1.0	0.5	266	20.4	20.4	8.1	8.1	28.3	28.3	109.4	109.4	8.4	8.2	4.3	8.6	4	7	91	93	822118	817784	<0.2	<0.2	1.1	1.1		
						1.0	0.6	275	20.4	20.4	8.1	8.1	28.3	28.3	109.3	109.3	8.4	8.2	4.3	8.6	3	7	91	93	822118	817784	<0.2	<0.2	1.1	1.1		
						6.0	0.6	265	20.2	20.2	8.0	8.0	28.8	28.8	103.9	103.9	7.9	7.9	9.0	7.9	9	7	93	93	822118	817784	<0.2	<0.2	0.8	0.8		
					6.0	0.6	275	20.2	20.2	8.0	8.0	28.8	28.8	103.9	103.9	7.9	7.9	9.0	7.9	9	7	93	93	822118	817784	<0.2	<0.2	0.9	0.9			
					10.9	0.4	265	20.2	20.2	8.0	8.0	28.9	28.9	102.8	102.8	7.9	7.9	12.5	7.9	10	7.9	10	7	94	93	822118	817784	<0.2	<0.2	0.9	0.9	
					10.9	0.4	272	20.2	20.2	8.0	8.0	28.9	28.9	102.8	102.8	7.9	7.9	12.5	7.9	10	7.9	10	7	94	93	822118	817784	<0.2	<0.2	0.9	0.9	
IM1	Cloudy	Moderate	12:15	7.5	Surface	1.0	0.5	119	20.5	20.5	8.1	8.1	28.0	28.0	113.9	113.9	8.7	8.6	4.0	7.5	6	13	92	93	818362	806468	<0.2	<0.2	0.9	0.9		
						1.0	0.6	125	20.5	20.5	8.1	8.1	28.0	28.0	113.8	113.8	8.7	8.6	4.1	7.5	5	13	92	93	818362	806468	<0.2	<0.2	1.1	1.1		
						3.8	0.5	145	20.1	20.1	8.0	8.0	28.1	28.2	110.2	110.2	8.5	8.1	7.6	7.5	12	13	93	93	818362	806468	<0.2	<0.2	1.1	1.1		
					3.8	0.5	156	20.1	20.1	8.0	8.0	28.2	28.2	110.1	110.1	8.5	8.1	7.7	7.5	14	13	93	93	818362	806468	<0.2	<0.2	0.9	0.9			
					6.5	0.5	158	20.1	20.1	8.0	8.0	28.1	28.1	105.8	105.8	8.1	8.1	10.7	8.1	20	8.1	20	13	94	93	818362	806468	<0.2	<0.2	0.9	0.9	
					6.5	0.5	158	20.1	20.1	8.0	8.0	28.1	28.1	105.7	105.7	8.1	8.1	10.6	8.1	22	8.1	22	13	94	93	818362	806468	<0.2	<0.2	0.9	0.9	
IM2	Cloudy	Moderate	12:27	9.1	Surface	1.0	0.5	59	20.3	20.3	8.1	8.1	27.9	27.9	110.6	110.6	8.5	8.4	4.7	5.8	10	14	89	90	818835	806197	<0.2	<0.2	1.6	1.6		
						1.0	0.5	59	20.3	20.3	8.1	8.1	27.9	27.9	110.5	110.5	8.5	8.4	4.8	5.8	11	14	89	90	818835	806197	<0.2	<0.2	1.4	1.4		
						4.6	0.4	83	20.2	20.2	8.0	8.0	28.1	28.1	106.7	106.7	8.2	8.0	6.8	5.8	16	14	90	90	818835	806197	<0.2	<0.2	1.0	1.0		
					4.6	0.5	88	20.2	20.2	8.0	8.0	28.1	28.1	106.6	106.6	8.2	8.0	6.8	5.8	14	14	90	90	818835	806197	<0.2	<0.2	1.0	1.0			
					8.1	0.5	96	20.2	20.2	7.9	7.9	28.1	28.1	101.1	101.1	7.8	7.8	5.9	7.8	17	7.8	17	14	91	90	818835	806197	<0.2	<0.2	1.1	1.1	
					8.1	0.5	105	20.2	20.2	7.9	7.9	28.1	28.1	100.9	100.9	7.7	7.8	5.9	7.8	18	7.8	18	14	92	90	818835	806197	<0.2	<0.2	1.1	1.1	
IM3	Cloudy	Moderate	12:34	8.7	Surface	1.0	0.6	95	20.3	20.3	8.1	8.1	27.3	27.3	112.6	112.6	8.7	8.5	2.9	4.0	9	12	91	93	819421	806007	<0.2	<0.2	1.3	1.3		
						1.0	0.6	99	20.3	20.3	8.1	8.1	27.3	27.3	112.5	112.5	8.6	8.5	2.7	4.0	8	12	92	93	819421	806007	<0.2	<0.2	1.4	1.4		
						4.4	0.6	109	20.3	20.3	8.0	8.0	27.3	27.3	108.3	108.3	8.3	8.0	3.7	4.0	12	12	92	93	819421	806007	<0.2	<0.2	1.1	1.1		
					4.4	0.6	114	20.3	20.3	8.0	8.0	27.3	27.3	108.1	108.1	8.3	8.0	3.7	4.0	13	12	93	93	819421	806007	<0.2	<0.2	1.0	1.0			
					7.7	0.5	71	20.2	20.2	8.0	8.0	27.7	27.7	102.7	102.7	7.9	7.9	5.5	7.9	16	7.9	16	12	93	93	819421	806007	<0.2	<0.2	1.0	1.0	
					7.7	0.6	75	20.2	20.2	8.0	8.0	27.7	27.7	102.5	102.5	7.9	7.9	5.5	7.9	15	7.9	15	12	94	93	819421	806007	<0.2	<0.2	1.0	1.0	
IM4	Cloudy	Moderate	12:42	8.1	Surface	1.0	0.5	110	20.3	20.3	8.1	8.1	27.5	27.5	112.0	112.0	8.6	8.4	4.8	7.0	14	17	93	94	819580	805056	<0.2	<0.2	1.1	1.1		
						1.0	0.5	120	20.3	20.3	8.1	8.1	27.5	27.5	111.9	111.9	8.6	8.4	4.9	7.0	15	17	93	94	819580	805056	<0.2	<0.2	1.1	1.1		
						4.1	0.5	121	20.1	20.1	8.0	8.0	27.6	27.6	107.0	106.9	8.3	8.0	8.0	8.0	16	17	94	94	819580	805056	<0.2	<0.2	1.0	1.0		
					4.1	0.6	125	20.1	20.1	8.0	8.0	27.6	27.6	106.8	106.8	8.2	8.0	8.0	8.0	15	17	94	94	819580	805056	<0.2	<0.2	0.9	0.9			
					7.1	0.4	135	20.1	20.1	8.0	8.0	27.4	27.4	103.2	103.1	8.0	8.0	8.2	8.0	22	8.0	22	17	94	94	819580	805056	<0.2	<0.2	1.0	1.0	
					7.1	0.4	146	20.1	20.1	8.0	8.0	27.4	27.4	103.0	103.0	8.0	8.0	8.2	8.0	20	8.0	20	17	95	94	819580	805056	<0.2	<0.2	1.1	1.1	
IM5	Cloudy	Moderate	12:49	6.9	Surface	1.0	0.6	143	20.4	20.4	8.1	8.1	27.1	27.1	112.4	112.3	8.6	8.5	4.6	7.4	7	12	90	91	820581	804915	<0.2	<0.2	1.6	1.6		
						1.0	0.7	154	20.4	20.4	8.1	8.1	27.1	27.1	112.2	112.3	8.6	8.5	4.7	7.4	6	12	89	91	820581	804915	<0.2	<0.2	1.7	1.		

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

Water Quality Monitoring Results on 05 January 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	18:17	8.8	Surface	1.0	0.5	127	20.1	20.1	8.1	8.1	27.9	27.9	107.7	107.6	8.3	8.1	2.6	3.1	5	6	92	93	815626	804264	<0.2	<0.2	1.3	1.0		
						1.0	0.5	127	20.1	20.1	8.1	8.1	27.9	27.9	107.5	107.6	8.3	8.1	2.6	3.1	5	6	92	93	815626	804264	<0.2	<0.2	1.4	1.0		
					Middle	4.4	0.3	139	20.0	20.0	8.1	8.1	28.3	28.4	103.2	103.2	7.9	7.7	3.3	3.1	7	6	92	93	815626	804264	<0.2	<0.2	1.0	1.0		
						4.4	0.4	141	20.0	20.0	8.1	8.1	28.4	28.4	103.2	103.2	7.9	7.7	3.3	3.1	7	6	92	93	815626	804264	<0.2	<0.2	1.0	1.0		
					Bottom	7.8	0.4	202	20.0	20.0	8.0	8.0	28.8	28.8	100.6	100.6	7.7	7.7	3.3	7.7	3.3	7	6	93	94	815626	804264	<0.2	<0.2	0.5	0.6	
						7.8	0.4	212	20.0	20.0	8.0	8.0	28.8	28.8	100.5	100.6	7.7	7.7	3.3	7.7	3.3	7	6	93	94	815626	804264	<0.2	<0.2	0.5	0.6	
C2	Cloudy	Moderate	17:06	12.4	Surface	1.0	0.3	100	20.5	20.5	8.0	8.0	26.1	26.1	110.8	110.8	8.6	8.4	4.9	5.2	5	6	85	90	825676	806964	<0.2	<0.2	1.6	1.1		
						1.0	0.3	108	20.5	20.5	8.0	8.0	26.1	26.1	110.8	110.8	8.6	8.4	4.9	5.2	5	6	84	90	825676	806964	<0.2	<0.2	1.7	1.1		
					Middle	6.2	0.2	168	20.3	20.3	8.0	8.0	28.0	28.0	106.3	106.3	8.2	8.0	5.4	5.2	6	6	92	92	825676	806964	<0.2	<0.2	1.0	0.9		
						6.2	0.2	176	20.3	20.3	8.0	8.0	28.0	28.0	106.3	106.3	8.2	8.0	5.4	5.2	6	6	92	92	825676	806964	<0.2	<0.2	0.9	0.9		
					Bottom	11.4	0.2	179	20.3	20.3	8.0	8.0	28.5	28.5	105.2	105.2	8.0	8.0	5.4	8.0	5.4	8	6	93	93	825676	806964	<0.2	<0.2	0.8	0.8	
						11.4	0.2	183	20.3	20.3	8.0	8.0	28.5	28.5	105.2	105.2	8.0	8.0	5.4	8.0	5.4	8	6	93	93	825676	806964	<0.2	<0.2	0.8	0.8	
C3	Cloudy	Moderate	18:51	12.7	Surface	1.0	0.4	80	20.3	20.3	8.0	8.0	28.8	28.8	105.1	105.1	8.0	8.0	4.1	3.8	3	6	89	92	822105	817788	<0.2	<0.2	0.9	0.7		
						1.0	0.4	80	20.3	20.3	8.0	8.0	28.8	28.8	105.1	105.1	8.0	8.0	4.1	3.8	3	6	89	92	822105	817788	<0.2	<0.2	0.9	0.7		
					Middle	6.4	0.3	85	20.3	20.3	8.0	8.0	28.9	28.9	103.3	103.3	7.9	7.8	3.6	3.8	6	6	92	93	822105	817788	<0.2	<0.2	0.6	0.6		
						6.4	0.4	85	20.3	20.3	8.0	8.0	28.9	28.9	103.3	103.3	7.9	7.8	3.6	3.8	6	6	92	93	822105	817788	<0.2	<0.2	0.6	0.6		
					Bottom	11.7	0.3	91	20.3	20.3	8.0	8.0	29.1	29.1	101.9	101.9	7.8	7.8	3.6	7.8	3.6	7	6	95	94	822105	817788	<0.2	<0.2	0.6	0.6	
						11.7	0.4	98	20.3	20.3	8.0	8.0	29.1	29.1	101.9	101.9	7.8	7.8	3.6	7.8	3.6	7	6	95	94	822105	817788	<0.2	<0.2	0.6	0.6	
IM1	Cloudy	Moderate	17:57	7.6	Surface	1.0	0.3	147	20.2	20.2	8.1	8.1	28.3	28.3	112.9	112.9	8.7	8.6	4.5	4.2	6	8	92	94	818349	806458	<0.2	<0.2	1.0	1.4		
						1.0	0.4	153	20.2	20.2	8.1	8.1	28.3	28.3	112.9	112.9	8.7	8.6	4.5	4.2	8	8	93	94	818349	806458	<0.2	<0.2	1.0	1.4		
					Middle	3.8	0.3	174	20.1	20.1	8.1	8.1	28.3	28.3	110.2	110.2	8.5	8.1	4.1	4.2	8	8	93	94	818349	806458	<0.2	<0.2	1.3	1.4		
						3.8	0.3	180	20.1	20.1	8.1	8.1	28.3	28.3	110.1	110.2	8.4	8.1	4.1	4.2	9	8	94	94	818349	806458	<0.2	<0.2	1.3	1.4		
					Bottom	6.6	0.3	192	20.2	20.2	8.1	8.1	28.3	28.3	105.2	105.1	8.1	8.1	3.8	8.1	3.9	8.1	9	8	94	95	818349	806458	<0.2	<0.2	1.7	1.4
						6.6	0.3	204	20.2	20.2	8.1	8.1	28.3	28.3	105.0	105.1	8.0	8.1	3.9	8.0	3.9	8.1	9	8	95	95	818349	806458	<0.2	<0.2	1.8	1.4
IM2	Cloudy	Moderate	17:51	8.6	Surface	1.0	0.5	141	20.3	20.3	8.2	8.2	28.3	28.3	119.1	119.1	9.1	8.9	3.3	4.0	6	7	90	91	818867	806174	<0.2	<0.2	1.6	1.4		
						1.0	0.5	151	20.3	20.3	8.2	8.2	28.3	28.3	119.1	119.1	9.1	8.9	3.3	4.0	6	7	90	91	818867	806174	<0.2	<0.2	1.6	1.4		
					Middle	4.3	0.4	159	20.2	20.2	8.2	8.2	28.3	28.3	114.0	113.9	8.7	8.1	3.9	8.1	3.9	4.0	6	7	91	91	818867	806174	<0.2	<0.2	1.4	1.4
						4.3	0.4	165	20.2	20.2	8.2	8.2	28.3	28.3	113.8	113.9	8.7	8.1	3.9	8.1	3.9	4.0	6	7	91	91	818867	806174	<0.2	<0.2	1.5	1.4
					Bottom	7.6	0.5	167	20.1	20.1	8.1	8.1	28.4	28.4	105.5	105.5	8.1	8.1	4.7	8.1	4.7	8.1	8	7	92	92	818867	806174	<0.2	<0.2	1.2	1.2
						7.6	0.5	180	20.1	20.1	8.1	8.1	28.4	28.4	105.4	105.5	8.1	8.1	4.7	8.1	4.7	8.1	8	7	92	92	818867	806174	<0.2	<0.2	1.2	1.2
IM3	Cloudy	Moderate	17:44	9.0	Surface	1.0	0.3	140	20.2	20.2	8.1	8.1	28.2	28.2	115.2	115.2	8.8	8.6	3.4	4.2	5	7	93	94	819419	806002	<0.2	<0.2	0.8	0.7		
						1.0	0.3	151	20.2	20.2	8.1	8.1	28.2	28.2	115.1	115.2	8.8	8.6	3.4	4.2	6	7	94	94	819419	806002	<0.2	<0.2	0.8	0.7		
					Middle	4.5	0.3	143	20.1	20.1	8.1	8.1	28.2	28.2	107.9	107.8	8.3	8.1	4.3	4.2	8	7	94	94	819419	806002	<0.2	<0.2	0.6	0.7		
						4.5	0.3	146	20.1	20.1	8.1	8.1	28.2	28.2	107.7	107.8	8.3	8.1	4.4	4.2	9	7	94	94	819419	806002	<0.2	<0.2	0.7	0.7		
					Bottom	8.0	0.3	143	20.1	20.1	8.0	8.0	28.3	28.3	103.2	103.1	7.9	7.9	4.8	7.9	4.8	7.9	8	7	95	94	819419	806002	<0.2	<0.2	0.7	0.7
						8.0	0.3	156	20.1	20.1	8.0	8.0	28.2	28.2	103.0	103.0	7.9	7.9	4.8	7.9	4.8	7.9	7	7	94	94	819419	806002	<0.2	<0.2	0.7	0.7
IM4	Cloudy	Moderate	17:38	8.2	Surface	1.0	0.3	156	20.3	20.3	8.2	8.2	28.0	28.0	116.2	116.2	8.9	8.8	3.7	4.6	7	9	92	93	819554	805036	<0.2	<0.2	0.6	0.7		
						1.0	0.3	163	20.2	20.3	8.2	8.2	28.0	28.0	116.1	116.2	8.9	8.8	3.8	4.6	7	9	92	93	819554	805036	<0.2	<0.2	0.6	0.7		
					Middle	4.1	0.3	160	20.1	20.1	8.1	8.1	28.2	28.3	112.4	112.4	8.6	8.5	4.9	4.6	10	9	93	93	819554	805036	<0.2	<0.2	0.5	0.7		
						4.1	0.3	172	20.1	20.1	8.1	8.1	28.3	28.3	112.4	112.4	8.6	8.5	4.9	4.6	10	9	93	93	819554	805036	<0.2	<0.2	0.5	0.7		
					Bottom	7.2	0.3	161	20.1	20.1	8.1	8.1	28.3	28.3	110.6	110.6	8.5	8.5	5.2	8.5	5.2	8.5	10	9	94	94	819554	805036	<0.2	<0.2	1.0	1.0
						7.2	0.4	168	20.1	20.1	8.1	8.1	28.3	28.3	110.6	110.6	8.5	8.5	5.2	8.5	5.2	8.5	11	9	94	94	819554	805036	<0.2	<0.2	1.0	1.0
IM5	Cloudy	Moderate	17:30	7.1	Surface	1.0	0.4	173	20.2	20.2	8.1	8.1	28.1	28.1	115.3	115.2	8.8	8.6	3.7	4.3	8	9	92	93	820582	804943	<0.2	<0.2	1.1	1.1		
						1.0	0.4	181	20.2	20.2	8.1	8.1	28.1	28.1	115.1	115.2	8.8	8.6	3.7	4.3	7	9	9									

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

Water Quality Monitoring Results on 05 January 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		
IM9	Cloudy	Moderate	17:46	7.5	Surface	1.0	0.4	111	20.5	20.5	8.1	8.1	25.7	25.7	114.2	114.2	8.8	8.8	5.2	7.0	6	13	85	90	822091	808819	<0.2	<0.2	3.0	2.2				
						1.0	0.4	116	20.5	8.1	8.1	25.7	25.7	114.2	114.2	8.8	8.8	5.2	7.0	5	6	86	92	86	92	86	92	<0.2	<0.2	3.0	2.2			
					Middle	3.8	0.4	96	20.3	20.3	8.1	8.1	27.7	27.7	111.2	111.2	8.5	8.5	6.9	6.9	6	7	6	7	92	92	92	92	<0.2	<0.2	2.4	2.2		
						3.8	0.4	98	20.3	20.3	8.1	8.1	27.7	27.7	111.1	111.1	8.5	8.5	6.9	6.9	6	7	92	92	92	92	92	92	<0.2	<0.2	2.3	2.2		
					Bottom	6.5	0.4	103	20.3	20.3	8.1	8.1	27.9	27.9	106.3	106.3	8.2	8.2	8.8	8.8	8.8	8.8	26	26	26	26	93	94	93	94	<0.2	<0.2	1.1	1.1
						6.5	0.4	107	20.3	20.3	8.1	8.1	27.9	27.9	106.3	106.3	8.2	8.2	8.8	8.8	8.8	8.8	26	26	26	26	93	94	93	94	<0.2	<0.2	1.1	1.1
IM10	Cloudy	Moderate	17:54	7.6	Surface	1.0	0.5	91	20.6	20.6	8.1	8.1	26.6	26.6	115.6	115.6	8.9	8.9	5.8	8.9	4	6	86	91	822222	809822	<0.2	<0.2	2.0	1.7				
						1.0	0.5	95	20.6	20.6	8.1	8.1	26.6	26.6	115.6	115.6	8.9	8.9	5.8	8.9	5	6	86	92	86	92	86	92	<0.2	<0.2	1.9	1.7		
					Middle	3.8	0.4	112	20.3	20.3	8.1	8.1	27.7	27.7	111.5	111.5	8.6	8.6	8.5	8.6	8.5	8.9	7	6	92	91	92	92	<0.2	<0.2	1.7	1.7		
						3.8	0.4	121	20.3	20.3	8.1	8.1	27.7	27.7	111.4	111.4	8.6	8.6	8.6	8.6	8.6	8.9	6	6	92	92	92	92	<0.2	<0.2	1.7	1.7		
					Bottom	6.6	0.3	113	20.4	20.4	8.1	8.1	27.9	27.9	106.6	106.6	8.2	8.2	12.3	12.3	12.3	12.3	8	8	8	8	94	93	94	93	<0.2	<0.2	1.6	1.5
						6.6	0.3	115	20.4	20.4	8.1	8.1	27.9	27.9	106.6	106.6	8.2	8.2	12.3	12.3	12.3	12.3	8	8	8	8	94	93	94	93	<0.2	<0.2	1.6	1.5
IM11	Cloudy	Moderate	18:02	8.6	Surface	1.0	0.5	97	20.5	20.5	8.1	8.1	27.4	27.4	108.4	108.4	8.3	8.3	8.9	8.6	5	9	87	91	821515	810530	<0.2	<0.2	1.5	1.3				
						1.0	0.5	106	20.5	20.5	8.1	8.1	27.4	27.4	108.4	108.4	8.3	8.3	8.9	8.6	4	9	87	92	87	92	87	92	<0.2	<0.2	1.5	1.3		
					Middle	4.3	0.4	98	20.4	20.4	8.1	8.1	27.8	27.8	108.7	108.7	8.3	8.3	8.9	8.9	8.9	8.6	12	9	92	91	92	92	<0.2	<0.2	1.2	1.3		
						4.3	0.4	104	20.4	20.4	8.1	8.1	27.8	27.8	108.7	108.7	8.3	8.3	8.9	8.9	8.9	8.6	10	9	92	92	92	92	<0.2	<0.2	1.1	1.3		
					Bottom	7.6	0.4	102	20.4	20.4	8.1	8.1	28.1	28.1	107.1	107.1	8.2	8.2	7.9	7.9	7.9	8.6	10	9	93	91	93	94	<0.2	<0.2	1.1	1.3		
						7.6	0.4	107	20.4	20.4	8.1	8.1	28.1	28.1	107.1	107.1	8.2	8.2	7.9	7.9	7.9	8.6	11	9	94	92	94	94	<0.2	<0.2	1.2	1.3		
IM12	Cloudy	Moderate	18:10	9.1	Surface	1.0	0.5	106	20.6	20.6	8.1	8.1	26.8	26.8	117.1	117.1	9.0	9.0	4.7	6.0	5	6	88	91	821159	811524	<0.2	<0.2	1.8	1.7				
						1.0	0.6	113	20.6	20.6	8.1	8.1	26.8	26.8	117.0	117.0	9.0	9.0	4.7	6.0	4	6	88	92	88	92	<0.2	<0.2	2.0	1.7				
					Middle	4.6	0.5	108	20.4	20.4	8.1	8.1	27.9	27.9	109.7	109.7	8.4	8.4	6.4	6.4	6.4	6.0	6	6	92	91	92	92	<0.2	<0.2	1.8	1.7		
						4.6	0.5	114	20.4	20.4	8.1	8.1	27.9	27.9	109.7	109.7	8.4	8.4	6.4	6.4	6.4	6.0	5	6	92	92	92	92	<0.2	<0.2	1.7	1.7		
					Bottom	8.1	0.4	121	20.3	20.3	8.0	8.0	28.2	28.2	105.4	105.4	8.1	8.1	7.0	7.0	7.0	6.0	8	6	8	91	94	94	94	<0.2	<0.2	1.4	1.7	
						8.1	0.4	123	20.3	20.3	8.0	8.0	28.2	28.2	105.4	105.4	8.1	8.1	7.0	7.0	7.0	6.0	7	6	94	91	94	94	<0.2	<0.2	1.5	1.7		
SR2	Cloudy	Moderate	18:32	4.4	Surface	1.0	0.3	88	20.5	20.5	8.1	8.1	27.1	27.1	118.2	118.2	9.1	9.1	3.9	4.0	5	5	88	91	821476	814172	<0.2	<0.2	1.8	1.7				
						1.0	0.4	95	20.5	20.5	8.1	8.1	27.1	27.1	118.1	118.1	9.1	9.1	4.0	4.0	5	5	89	91	89	91	<0.2	<0.2	1.7	1.7				
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	5	-	91	821476	814172	-	<0.2	-	1.7		
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.0	5	-	91	821476	814172	-	<0.2	-	1.7		
					Bottom	3.4	0.3	90	20.5	20.5	8.1	8.1	27.7	27.7	116.3	116.3	8.9	8.9	4.1	4.1	4.1	4.0	5	5	94	91	94	94	<0.2	<0.2	1.6	1.7		
						3.4	0.3	96	20.5	20.5	8.1	8.1	27.7	27.7	116.3	116.3	8.9	8.9	4.1	4.1	4.1	4.0	5	5	94	91	94	94	<0.2	<0.2	1.8	1.7		
SR3	Cloudy	Moderate	17:33	9.1	Surface	1.0	0.3	156	20.3	20.3	8.0	8.0	26.8	26.8	114.6	114.7	8.8	8.9	5.8	6.9	6	7	-	-	822139	807586	-	-	-	-				
						1.0	0.3	156	20.3	20.3	8.0	8.0	26.8	26.8	114.7	114.7	8.9	8.9	5.7	6.9	5	7	-	7	-	-	822139	807586	-	-	-	-		
					Middle	4.6	0.3	100	20.4	20.4	8.0	8.0	27.1	27.1	117.2	117.3	9.0	9.0	6.1	6.1	6.1	6.9	8	7	-	-	822139	807586	-	-	-	-		
						4.6	0.4	104	20.4	20.4	8.0	8.0	27.0	27.1	117.3	117.3	9.0	9.0	6.1	6.1	6.1	6.9	8	7	-	-	822139	807586	-	-	-	-		
					Bottom	8.1	0.3	91	20.4	20.4	8.1	8.1	28.0	28.0	120.4	120.4	9.2	9.2	8.9	8.9	8.9	6.9	7	7	-	-	822139	807586	-	-	-	-		
						8.1	0.4	92	20.4	20.4	8.1	8.1	28.0	28.0	120.4	120.4	9.2	9.2	8.9	8.9	8.9	6.9	8	7	-	-	822139	807586	-	-	-	-		
SR4A	Cloudy	Moderate	18:37	9.7	Surface	1.0	0.4	91	20.3	20.3	8.2	8.2	28.1	28.1	118.2	118.2	9.0	8.9	3.2	4.3	7	9	-	-	817180	807793	-	-	-	-				
						1.0	0.4	93	20.3	20.3	8.2	8.2	28.1	28.1	118.2	118.2	9.0	8.8	3.3	4.3	8	9	-	9	-	-	817180	807793	-	-	-	-		
					Middle	4.9	0.4	91	20.3	20.3	8.1	8.1	28.1	28.1	115.5	115.5	8.8	8.8	4.4	4.4	4.4	4.3	6	9	-	-	817180	807793	-	-	-	-		
						4.9	0.4	93	20.3	20.3	8.1	8.1	28.1	28.1	115.4	115.4	8.8	8.8	4.4	4.4	4.4	4.3	7	9	-	-	817180	807793	-	-	-	-		
					Bottom	8.7	0.3	90	20.3	20.3	8.1	8.1	28.1	28.1	111.5	111.4	8.5	8.5	5.1	5.1	5.1	4.3	11	9	-	-	817180	807793	-	-	-	-		
						8.7	0.3	98	20.3	20.3	8.1	8.1	28.1	28.1	111.3	111.3	8.5	8.5	5.1	5.1	5.1	4.3	13	9	-	-	817180	807793	-	-	-	-		
SR5A	Cloudy	Calm	18:53	3.8	Surface	1.0	0.2	130	20.6	20.6	8.1	8.1	28.9	28.9	109.0	109.0	8.3	8.3	8.5	9.7	8	9	-	-	816602	810684	-	-	-	-				
						1.0	0.2	133	20.6	20.6	8.1	8.1	28.9	28.9	108.9	108.9	8.3	8.3	8.7	9.7	10	9	-	9	-	-	816602	810684	-	-	-	-		
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7	9	-	9	-								

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

Water Quality Monitoring Results on 07 January 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
C1	Sunny	Moderate	13:39	8.3	Surface	1.0	0.5	89	20.4	20.4	8.2	8.2	28.3	28.3	111.6	111.4	8.5	8.4	3.2	8.4	3	5.5	8	11	92	94	815623	804244	<0.2	<0.2	1.0	0.8
						1.0	0.5	90	20.4	8.2	8.2	28.3	28.3	111.2	111.4	8.5	8.4	3.3	5.5	7	11	93	94	815623	804244	<0.2	<0.2	1.1	0.8			
					Middle	4.2	0.5	95	20.2	8.2	8.2	28.8	28.8	106.9	106.9	8.2	8.2	4.7	6.7	4.7	10	94	94	815623	804244	<0.2	<0.2	1.0	0.8			
						4.2	0.5	100	20.2	8.2	8.2	28.8	28.8	106.8	106.8	8.2	8.2	4.7	6.7	4.7	10	94	94	815623	804244	<0.2	<0.2	1.0	0.8			
					Bottom	7.3	0.5	94	20.1	8.1	8.1	29.0	29.0	102.7	102.7	7.8	7.8	8.6	7.8	8.6	7.8	13	94	94	815623	804244	<0.2	<0.2	0.5	0.6		
						7.3	0.5	96	20.1	8.1	8.1	29.0	29.0	102.6	102.6	7.8	7.8	8.7	7.8	8.7	7.8	15	95	95	815623	804244	<0.2	<0.2	0.6	0.6		
C2	Cloudy	Moderate	12:41	11.9	Surface	1.0	0.2	189	21.2	21.2	8.0	8.0	23.2	23.2	107.5	107.5	8.3	8.2	3.7	8.2	3	3.7	10	10	85	90	825677	806931	<0.2	<0.2	4.1	3.8
						1.0	0.2	196	21.2	8.0	8.0	23.2	23.2	107.5	107.5	8.3	8.2	3.7	3.7	9	9	85	90	825677	806931	<0.2	<0.2	4.3	3.8			
					Middle	6.0	0.2	189	20.6	8.0	8.0	26.7	26.7	104.2	104.2	8.0	8.0	3.8	6.7	3.8	9	91	91	825677	806931	<0.2	<0.2	4.5	3.8			
						6.0	0.2	195	20.6	8.0	8.0	26.7	26.7	104.2	104.2	8.0	8.0	3.8	6.7	3.8	10	91	91	825677	806931	<0.2	<0.2	4.5	3.8			
					Bottom	10.9	0.3	263	20.6	8.0	8.0	27.2	27.2	103.9	103.9	8.0	8.0	3.7	8.0	3.7	10	93	93	825677	806931	<0.2	<0.2	2.7	3.8			
						10.9	0.3	288	20.6	8.0	8.0	27.2	27.2	103.9	103.9	8.0	8.0	3.7	8.0	3.7	9	93	93	825677	806931	<0.2	<0.2	2.5	3.8			
C3	Sunny	Moderate	14:42	12.2	Surface	1.0	0.5	259	20.7	20.7	8.1	8.1	28.4	28.4	111.8	111.8	8.5	8.2	3.1	8.2	3	6.7	5	8	89	92	822114	817811	<0.2	<0.2	1.1	1.1
						1.0	0.5	268	20.7	8.1	8.1	28.4	28.4	111.8	111.8	8.5	8.2	3.1	6.7	6	4	89	92	822114	817811	<0.2	<0.2	1.2	1.1			
					Middle	6.1	0.4	260	20.5	8.0	8.0	28.7	28.7	103.9	103.9	7.9	8.0	6.9	6.7	6.9	4	93	93	822114	817811	<0.2	<0.2	1.1	1.1			
						6.1	0.4	262	20.5	8.0	8.0	28.7	28.7	103.9	103.9	7.9	8.0	7.0	6.7	7.0	4	93	93	822114	817811	<0.2	<0.2	1.2	1.1			
					Bottom	11.2	0.3	269	20.5	8.0	8.0	28.8	28.8	102.8	102.8	7.8	8.0	10.2	7.8	10.2	12	94	94	822114	817811	<0.2	<0.2	0.8	1.1			
						11.2	0.4	295	20.5	8.0	8.0	28.8	28.8	102.8	102.8	7.8	8.0	9.8	7.8	9.8	14	95	95	822114	817811	<0.2	<0.2	0.9	1.1			
IM1	Sunny	Moderate	13:16	7.2	Surface	1.0	0.4	166	20.5	20.5	8.2	8.2	27.7	27.7	115.6	115.6	8.8	8.8	2.4	8.8	2	3.7	6	9	90	91	818346	806448	<0.2	<0.2	1.2	1.3
						1.0	0.4	170	20.5	8.2	8.2	27.7	27.7	115.6	115.6	8.8	8.8	2.2	3.7	4	9	90	91	818346	806448	<0.2	<0.2	1.2	1.3			
					Middle	3.6	0.4	200	20.4	8.2	8.2	28.0	28.0	113.3	113.3	8.7	8.2	3.1	3.7	3.1	10	91	91	818346	806448	<0.2	<0.2	1.1	1.3			
						3.6	0.4	211	20.4	8.2	8.2	28.0	28.0	113.3	113.3	8.7	8.2	3.1	3.7	3.1	10	92	92	818346	806448	<0.2	<0.2	1.0	1.3			
					Bottom	6.2	0.4	187	20.3	8.1	8.1	28.6	28.6	108.0	108.0	8.3	8.3	5.7	8.3	5.7	13	93	93	818346	806448	<0.2	<0.2	1.5	1.3			
						6.2	0.4	202	20.3	8.1	8.1	28.6	28.6	107.9	107.9	8.3	8.3	5.6	8.3	5.6	12	92	92	818346	806448	<0.2	<0.2	1.6	1.3			
IM2	Sunny	Moderate	13:09	8.3	Surface	1.0	0.4	176	20.6	20.6	8.2	8.2	27.9	27.9	109.4	109.3	8.3	8.1	2.1	8.1	2	3.8	8	10	89	90	818865	806179	<0.2	<0.2	1.1	1.1
						1.0	0.5	189	20.6	8.2	8.2	27.9	27.9	109.2	109.3	8.3	8.1	2.1	3.8	7	9	89	90	818865	806179	<0.2	<0.2	1.2	1.1			
					Middle	4.2	0.4	195	20.3	8.1	8.1	28.1	28.2	102.9	102.8	7.9	8.1	3.8	3.8	3.8	9	90	90	818865	806179	<0.2	<0.2	0.9	1.1			
						4.2	0.4	213	20.3	8.1	8.1	28.2	28.2	102.7	102.8	7.9	8.1	3.9	3.8	3.9	10	92	92	818865	806179	<0.2	<0.2	0.9	1.1			
					Bottom	7.3	0.4	193	20.2	8.0	8.0	28.6	28.6	100.0	100.0	7.7	8.0	5.4	7.7	5.4	12	91	91	818865	806179	<0.2	<0.2	1.1	1.1			
						7.3	0.4	206	20.2	8.0	8.0	28.6	28.6	100.0	100.0	7.7	8.0	5.2	7.7	5.2	11	91	91	818865	806179	<0.2	<0.2	1.1	1.1			
IM3	Sunny	Moderate	13:02	8.1	Surface	1.0	0.4	251	20.9	20.9	8.2	8.2	25.4	25.4	114.5	114.4	8.8	8.5	1.5	8.5	6	2.4	6	8	90	92	819415	806004	<0.2	<0.2	1.0	1.4
						1.0	0.4	260	20.9	8.2	8.2	25.4	25.4	114.2	114.4	8.8	8.5	1.5	2.4	7	9	91	92	819415	806004	<0.2	<0.2	1.0	1.4			
					Middle	4.1	0.4	271	20.6	8.1	8.1	27.2	27.2	106.8	106.7	8.2	8.1	2.3	2.4	2.3	10	91	91	819415	806004	<0.2	<0.2	1.6	1.4			
						4.1	0.5	281	20.6	8.1	8.1	27.2	27.2	106.5	106.7	8.2	8.1	2.3	2.4	2.3	10	91	91	819415	806004	<0.2	<0.2	1.5	1.4			
					Bottom	7.1	0.4	247	20.4	8.0	8.0	28.2	28.2	101.4	101.4	7.8	8.0	3.5	7.8	3.5	9	92	92	819415	806004	<0.2	<0.2	1.6	1.4			
						7.1	0.4	256	20.4	8.0	8.0	28.2	28.2	101.3	101.3	7.7	8.0	3.5	7.8	3.5	8	93	93	819415	806004	<0.2	<0.2	1.6	1.4			
IM4	Sunny	Moderate	12:54	7.7	Surface	1.0	0.3	252	20.7	20.7	8.1	8.1	25.7	25.7	111.1	111.0	8.6	8.3	1.6	8.3	8	2.1	8	10	90	92	819550	805035	<0.2	<0.2	2.5	2.0
						1.0	0.4	258	20.7	8.1	8.1	25.7	25.7	110.9	111.0	8.5	8.3	1.7	2.1	6	11	91	92	819550	805035	<0.2	<0.2	2.5	2.0			
					Middle	3.9	0.3	227	20.5	8.1	8.1	26.9	26.9	105.4	105.3	8.1	8.1	2.2	2.1	2.2	11	92	92	819550	805035	<0.2	<0.2	1.8	2.0			
						3.9	0.3	237	20.4	8.1	8.1	26.9	26.9	105.2	105.3	8.1	8.1	2.2	2.1	2.2	11	92	92	819550	805035	<0.2	<0.2	1.7	2.0			
					Bottom	6.7	0.3	182	20.4	7.9	7.9	27.2	27.2	100.1	100.0	7.7	7.9	2.4	7.7	2.4	12	93	93	819550	805035	<0.2	<0.2	1.7	2.0			
						6.7	0.3	182	20.4	7.9	7.9	27.2	27.2	99.8	100.0	7.7	7.9	2.4	7.7	2.4	10	93	93	819550	805035	<0.2	<0.2	1.6	2.0			
IM5	Sunny	Moderate	12:45	6.4	Surface	1.0	0.5	270	20.7	20.7	8.1	8.1	25.7	25.8	109.7	109.7	8.5	8.3	1.6	8.3	9	2.3	9	10	90	92	820561	804928	<0.2	<0.2	2.4	2.1
						1.0	0.6	287	20.7	8.1	8.1	25.8	25.8	109.6	109.7	8.4	8.3	1.6	2.3	7	11	91	92	820561	804928	<0.2	<0.2	2.4	2.1			
					Middle	3.2	0.4	260	20.6	8.1	8.1	26.0	26.0	106.2	106.1	8.2	8.1	2.1	2.3	2.1	7	91	91	820561	804928	<0.2	<0.2	2.0	2.1			
						3.2	0.4	272</																								

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

Water Quality Monitoring Results on 07 January 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	06:43	8.1	Surface	1.0	0.5	216	20.3	8.2	8.2	27.6	27.6	111.4	111.4	8.5	8.4	1.5	2.2	3	5	89	91	815631	804266	<0.2	<0.2	2.2	1.9			
						1.0	0.5	233	20.3	8.2	8.2	27.6	27.6	111.3	111.4	8.5	8.4	1.6	2.2	2	5	90	91	815631	804266	<0.2	<0.2	2.4	1.9			
					Middle	4.1	0.5	222	20.2	8.2	8.2	28.1	28.1	108.0	108.0	8.3	8.4	1.8	2.2	4	5	91	91	815631	804266	<0.2	<0.2	1.7	1.9			
						4.1	0.5	227	20.2	8.2	8.2	28.1	28.1	108.0	108.0	8.3	8.4	1.8	2.2	6	5	91	91	815631	804266	<0.2	<0.2	1.8	1.9			
					Bottom	7.1	0.4	218	20.1	8.1	8.1	28.9	28.9	101.2	101.2	7.7	7.7	3.2	7.7	7	5	92	92	815631	804266	<0.2	<0.2	1.8	1.9			
						7.1	0.4	225	20.1	8.1	8.1	28.9	28.9	101.1	101.2	7.7	7.7	3.2	7.7	5	5	92	92	815631	804266	<0.2	<0.2	1.7	1.9			
C2	Cloudy	Moderate	08:23	11.6	Surface	1.0	0.6	179	20.8	7.9	7.9	23.1	23.1	106.3	106.3	8.3	8.2	4.0	4.9	4	5	84	90	825685	806960	<0.2	<0.2	3.0	1.9			
						1.0	0.6	184	20.8	7.9	7.9	23.1	23.1	106.3	106.3	8.3	8.2	4.0	4.9	4	5	85	90	825685	806960	<0.2	<0.2	3.2	1.9			
					Middle	5.8	0.6	174	20.6	8.0	8.0	26.6	26.6	103.6	103.6	8.0	8.2	4.6	4.9	5	5	91	90	825685	806960	<0.2	<0.2	1.5	1.9			
						5.8	0.6	186	20.6	8.0	8.0	26.6	26.6	103.6	103.6	8.0	8.2	4.6	4.9	7	5	91	90	825685	806960	<0.2	<0.2	1.3	1.9			
					Bottom	10.6	0.3	178	20.5	8.0	8.0	27.4	27.4	103.2	103.2	7.9	7.9	6.1	7.9	5	5	94	90	825685	806960	<0.2	<0.2	1.2	1.9			
						10.6	0.3	180	20.5	8.0	8.0	27.4	27.4	103.2	103.2	7.9	7.9	6.1	7.9	6	5	93	90	825685	806960	<0.2	<0.2	1.1	1.9			
C3	Cloudy	Moderate	06:17	12.1	Surface	1.0	0.3	130	20.4	8.0	8.0	27.8	27.8	108.2	108.2	8.3	8.2	3.3	3.5	2	4	89	92	822128	817795	<0.2	<0.2	1.5	1.3			
						1.0	0.3	136	20.4	8.0	8.0	27.8	27.8	108.1	108.2	8.3	8.2	3.3	3.5	4	4	90	92	822128	817795	<0.2	<0.2	1.4	1.3			
					Middle	6.1	0.2	162	20.5	8.0	8.0	28.3	28.3	105.9	105.9	8.1	8.2	3.6	3.5	6	4	93	92	822128	817795	<0.2	<0.2	1.4	1.3			
						6.1	0.2	162	20.5	8.0	8.0	28.3	28.3	105.9	105.9	8.1	8.2	3.6	3.5	4	4	93	92	822128	817795	<0.2	<0.2	1.3	1.3			
					Bottom	11.1	0.2	152	20.5	8.0	8.0	28.7	28.7	103.0	103.0	7.8	7.8	3.7	7.8	4	4	94	92	822128	817795	<0.2	<0.2	1.0	1.3			
						11.1	0.2	165	20.5	8.0	8.0	28.7	28.7	103.0	103.0	7.8	7.8	3.7	7.8	4	4	95	92	822128	817795	<0.2	<0.2	1.1	1.3			
IM1	Sunny	Moderate	07:07	6.9	Surface	1.0	0.4	206	20.4	8.2	8.2	27.6	27.6	105.1	105.1	8.1	7.9	2.7	3.0	6	7	90	92	818351	806456	<0.2	<0.2	2.2	1.8			
						1.0	0.5	212	20.4	8.2	8.2	27.6	27.6	105.0	105.1	8.0	7.9	2.7	3.0	6	7	91	92	818351	806456	<0.2	<0.2	2.4	1.8			
					Middle	3.5	0.4	205	20.3	8.2	8.2	28.1	28.2	101.4	101.4	7.8	7.9	3.1	3.0	7	7	91	92	818351	806456	<0.2	<0.2	1.5	1.8			
						3.5	0.4	221	20.2	8.2	8.2	28.2	28.2	101.3	101.4	7.8	7.9	3.1	3.0	7	7	92	92	818351	806456	<0.2	<0.2	1.6	1.8			
					Bottom	5.9	0.3	219	20.2	8.1	8.1	28.4	28.4	99.2	99.2	7.6	7.6	3.1	7.6	7	6	92	92	818351	806456	<0.2	<0.2	1.4	1.8			
						5.9	0.3	240	20.2	8.1	8.1	28.4	28.4	99.1	99.2	7.6	7.6	3.1	7.6	6	6	93	92	818351	806456	<0.2	<0.2	1.5	1.8			
IM2	Sunny	Moderate	07:13	7.7	Surface	1.0	0.6	222	20.6	8.2	8.2	26.6	26.6	109.9	109.8	8.4	8.3	2.0	3.2	3	4	91	92	818846	806207	<0.2	<0.2	1.7	1.9			
						1.0	0.7	226	20.6	8.2	8.2	26.6	26.6	109.7	109.8	8.4	8.3	2.1	3.2	3	4	91	92	818846	806207	<0.2	<0.2	1.8	1.9			
					Middle	3.9	0.6	216	20.4	8.2	8.2	27.1	27.1	106.2	106.1	8.2	8.3	3.8	3.2	5	4	92	92	818846	806207	<0.2	<0.2	1.8	1.9			
						3.9	0.6	223	20.4	8.2	8.2	27.1	27.1	106.0	106.1	8.1	8.3	3.9	3.2	3	4	92	92	818846	806207	<0.2	<0.2	1.9	1.9			
					Bottom	6.7	0.4	207	20.3	8.1	8.1	27.4	27.4	103.1	103.1	7.9	7.9	3.8	7.9	3	4	93	92	818846	806207	<0.2	<0.2	2.2	1.9			
						6.7	0.4	218	20.3	8.1	8.1	27.4	27.4	103.0	103.1	7.9	7.9	3.8	7.9	5	4	93	92	818846	806207	<0.2	<0.2	2.0	1.9			
IM3	Sunny	Moderate	07:22	7.8	Surface	1.0	0.6	238	20.6	8.2	8.2	26.0	26.0	113.1	113.1	8.7	8.5	1.2	2.4	4	6	93	94	819403	806027	<0.2	<0.2	2.4	2.0			
						1.0	0.6	250	20.6	8.2	8.2	26.0	26.0	113.0	113.1	8.7	8.5	1.2	2.4	4	6	93	94	819403	806027	<0.2	<0.2	2.3	2.0			
					Middle	3.9	0.5	234	20.5	8.2	8.2	26.4	26.4	107.6	107.5	8.3	8.5	3.0	2.4	7	6	94	94	819403	806027	<0.2	<0.2	1.5	2.0			
						3.9	0.5	241	20.5	8.2	8.2	26.4	26.4	107.4	107.5	8.3	8.5	3.0	2.4	5	6	93	94	819403	806027	<0.2	<0.2	1.6	2.0			
					Bottom	6.8	0.4	232	20.4	8.1	8.1	27.1	27.1	103.6	103.5	8.0	8.0	2.9	8.0	7	6	94	94	819403	806027	<0.2	<0.2	1.9	2.0			
						6.8	0.4	246	20.4	8.1	8.1	27.1	27.1	103.4	103.5	8.0	8.0	2.9	8.0	7	6	94	94	819403	806027	<0.2	<0.2	2.0	2.0			
IM4	Sunny	Moderate	07:28	7.3	Surface	1.0	0.7	225	20.7	8.2	8.2	25.9	25.9	113.7	113.7	8.8	8.7	1.0	1.6	4	6	92	94	819568	805032	<0.2	<0.2	1.3	1.5			
						1.0	0.7	244	20.7	8.2	8.2	25.9	25.9	113.6	113.7	8.8	8.7	1.0	1.6	5	6	93	94	819568	805032	<0.2	<0.2	1.3	1.5			
					Middle	3.7	0.6	226	20.5	8.1	8.1	26.3	26.3	111.3	111.3	8.6	8.7	1.3	1.6	5	6	94	94	819568	805032	<0.2	<0.2	2.0	1.5			
						3.7	0.6	244	20.5	8.1	8.1	26.3	26.3	111.2	111.3	8.6	8.7	1.4	1.6	6	6	94	94	819568	805032	<0.2	<0.2	2.2	1.5			
					Bottom	6.3	0.4	213	20.4	8.1	8.1	26.9	26.9	103.7	103.4	8.0	8.0	2.5	8.0	6	6	94	94	819568	805032	<0.2	<0.2	1.2	1.5			
						6.3	0.5	224	20.4	8.1	8.1	26.9	26.9	103.1	103.4	7.9	8.0	2.6	8.0	7	6	95	94	819568	805032	<0.2	<0.2	1.1	1.5			
IM5	Sunny	Moderate	07:37	6.3	Surface	1.0	0.4	230	20.6	8.1	8.1	25.9	25.9	111.8	111.8	8.6	8.5	2.0	3.0	5	6	90	91	820568	804936	<0.2	<0.2	2.1	1.7			
						1.0	0.4	250	20.6	8.1	8.1	25.9	25.9	111.8	111.8	8.6	8.5	2.0	3.0	4	6	90	91	820568	804936	<0.2	<0.2	2.0	1.7			
					Middle	3.2	0.4	242	20.6	8.1	8.1	26.1	26.1	109.4	109.4	8.4	8.5	3.0	3.0	7	6	91	91	820568	804936	<0.2	<0.2	1.4	1.7			
						3.2	0.4	261	20.6	8.1	8.1	26.1	26.1	109.3	109.4	8.4	8.5	3.0	3.0	6	6	92	91	820568	804936	<0.2	<0.2	1.4	1.7			
					Bottom	5.3	0.3	236	20.5	8.1	8.1	26.5	26.5	105.6	105.6	8.1	8.1	4.0	8.1	7	6	92</										

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

Water Quality Monitoring Results on 07 January 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			
IM9	Cloudy	Moderate	07:34	6.9	Surface	1.0	0.5	192	20.6	20.6	8.0	8.0	25.4	25.4	115.2	115.2	8.9	8.9	3.3	3.3	6	6	86	86	91	822076	808799	<0.2	<0.2	2.6	2.6				
						1.0	0.5	203	20.6	8.0	8.0	25.4	25.4	115.2	115.2	8.9	8.9	3.3	3.3	5	5	85	85												
					Middle	3.5	0.5	195	20.6	8.0	8.0	25.7	25.7	113.5	113.5	8.8	8.8	3.7	3.7	4.2	4.2	5	5	92	92	91	822076	808799	<0.2	<0.2	2.1	2.1			
						3.5	0.5	212	20.6	8.0	8.0	25.7	25.7	113.4	113.4	8.8	8.8	3.8	3.8	7	7	92	92												
					Bottom	5.9	0.4	195	20.6	8.0	8.0	27.1	27.1	109.8	109.8	8.4	8.4	5.5	5.5	8.4	8.4	5.5	5.5	7	7	94	94	91	822076	808799	<0.2	<0.2	2.4	2.4	
						5.9	0.4	208	20.6	8.0	8.0	27.1	27.1	109.8	109.8	8.4	8.4	5.5	5.5	8.4	8.4	5.5	5.5	8	8	94	94								
IM10	Cloudy	Moderate	07:24	7.2	Surface	1.0	0.4	173	20.7	20.7	8.0	8.0	26.0	26.0	115.0	115.0	8.9	8.9	2.9	2.9	3	3	86	86	91	822242	809842	<0.2	<0.2	2.2	2.2				
						1.0	0.4	184	20.7	8.0	8.0	26.0	26.0	115.0	115.0	8.9	8.9	3.0	3.0	7.3	7.3	3	3	85	85										
					Middle	3.6	0.3	177	20.7	8.0	8.0	26.7	26.7	110.0	110.0	8.4	8.4	6.8	6.8	4	4	5	5	92	92	91	822242	809842	<0.2	<0.2	1.7	1.7			
						3.6	0.4	181	20.7	8.0	8.0	26.7	26.7	110.0	110.0	8.4	8.4	6.8	6.8	7	7	4	4	92	92										
					Bottom	6.2	0.4	185	20.7	8.0	8.0	27.2	27.2	108.0	108.0	8.3	8.3	12.1	12.1	8.3	8.3	12.1	12.1	7	7	94	94	91	822242	809842	<0.2	<0.2	1.4	1.4	
						6.2	0.4	189	20.7	8.0	8.0	27.2	27.2	108.0	108.0	8.3	8.3	12.3	12.3	8.3	8.3	12.3	12.3	7	7	94	94								
IM11	Cloudy	Moderate	07:15	7.9	Surface	1.0	0.4	186	20.7	20.7	8.0	8.0	26.1	26.1	112.7	112.7	8.7	8.7	3.0	3.0	4	4	86	86	91	821489	810552	<0.2	<0.2	2.5	2.5				
						1.0	0.4	190	20.7	8.0	8.0	26.1	26.1	112.7	112.7	8.7	8.7	3.0	3.0	4.0	4.0	5	5	86	86										
					Middle	4.0	0.3	197	20.7	8.0	8.0	26.8	26.8	111.9	111.9	8.6	8.6	3.3	3.3	4.0	4.0	3	3	92	92	91	821489	810552	<0.2	<0.2	2.4	2.4			
						4.0	0.4	205	20.7	8.0	8.0	26.8	26.8	111.9	111.9	8.6	8.6	3.3	3.3	4.0	4.0	3	3	92	92										
					Bottom	6.9	0.3	168	20.5	8.0	8.0	27.3	27.3	109.2	109.2	8.4	8.4	5.8	5.8	8.4	8.4	5.8	5.8	3	3	94	94	91	821489	810552	<0.2	<0.2	1.9	1.9	
						6.9	0.3	168	20.5	8.0	8.0	27.3	27.3	109.2	109.2	8.4	8.4	5.8	5.8	8.4	8.4	5.8	5.8	3	3	94	94								
IM12	Cloudy	Moderate	07:06	8.4	Surface	1.0	0.4	164	20.7	20.7	8.0	8.0	26.5	26.5	114.1	114.1	8.8	8.8	2.9	2.9	4	4	86	86	91	821149	811502	<0.2	<0.2	1.9	1.9				
						1.0	0.4	170	20.7	8.0	8.0	26.5	26.5	114.1	114.1	8.8	8.8	2.9	2.9	4.2	4.2	2	2	86	86										
					Middle	4.2	0.4	150	20.6	8.0	8.0	26.7	26.7	113.0	113.0	8.7	8.7	3.4	3.4	4.2	4.2	3	3	93	93	91	821149	811502	<0.2	<0.2	1.9	1.9			
						4.2	0.4	156	20.6	8.0	8.0	26.7	26.7	113.0	113.0	8.7	8.7	3.4	3.4	4.2	4.2	2	2	93	93										
					Bottom	7.4	0.4	126	20.5	8.0	8.0	27.5	27.5	108.9	108.9	8.3	8.3	6.3	6.3	8.3	8.3	6.3	6.3	6	6	94	94	91	821149	811502	<0.2	<0.2	1.4	1.4	
						7.4	0.5	126	20.5	8.0	8.0	27.5	27.5	108.9	108.9	8.3	8.3	6.3	6.3	8.3	8.3	6.3	6.3	5	5	94	94								
SR2	Cloudy	Moderate	06:42	3.7	Surface	1.0	0.3	79	20.5	20.5	8.0	8.0	27.6	27.6	112.4	112.4	8.6	8.6	4.7	4.7	4	4	87	87	91	821466	814181	<0.2	<0.2	1.5	1.5				
						1.0	0.3	81	20.5	8.0	8.0	27.6	27.6	112.4	112.4	8.6	8.6	4.7	4.7	4.9	4.9	4	4	87	87										
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821466	814181	<0.2	<0.2	1.4	1.4	
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
					Bottom	2.7	0.3	81	20.5	8.0	8.0	27.6	27.6	111.4	111.4	8.5	8.5	5.1	5.1	8.5	8.5	5.1	5.1	4	4	94	94	91	821466	814181	<0.2	<0.2	1.4	1.4	
						2.7	0.3	83	20.5	8.0	8.0	27.6	27.6	111.4	111.4	8.5	8.5	5.1	5.1	8.5	8.5	5.1	5.1	6	6	94	94								
SR3	Cloudy	Moderate	07:49	8.2	Surface	1.0	0.5	188	20.7	20.7	8.0	8.0	25.0	25.0	113.5	113.5	8.8	8.8	3.3	3.3	2	2	-	-	-	-	822139	807566	-	-	-	-			
						1.0	0.6	203	20.7	8.0	8.0	25.0	25.0	113.5	113.5	8.8	8.8	3.3	3.3	4.4	4.4	4	4	-	-	-	-								
					Middle	4.1	0.5	182	20.6	8.0	8.0	25.5	25.5	110.3	110.3	8.5	8.5	4.7	4.7	4.4	4.4	4	4	-	-	-	-	822139	807566	-	-	-	-		
						4.1	0.6	190	20.6	8.0	8.0	25.5	25.5	110.3	110.3	8.5	8.5	4.7	4.7	4.4	4.4	5	5	-	-	-	-								
					Bottom	7.2	0.4	203	20.6	8.0	8.0	27.1	27.1	109.3	109.3	8.4	8.4	5.2	5.2	8.4	8.4	5.2	5.2	4	4	-	-	-	-	822139	807566	-	-	-	-
						7.2	0.4	206	20.6	8.0	8.0	27.1	27.1	109.3	109.3	8.4	8.4	5.2	5.2	8.4	8.4	5.2	5.2	4	4	-	-	-	-						
SR4A	Cloudy	Calm	06:22	7.3	Surface	1.0	0.3	227	20.3	20.3	8.1	8.1	28.2	28.2	107.9	107.9	8.3	8.3	6.3	6.3	11	11	-	-	-	-	817179	807793	-	-	-	-			
						1.0	0.3	242	20.3	8.1	8.1	28.2	28.2	107.9	107.9	8.3	8.3	6.3	6.3	6.2	6.2	10	10	-	-	-	-								
					Middle	3.7	0.3	209	20.3	8.1	8.1	28.2	28.2	106.9	106.9	8.2	8.2	6.1	6.1	6.2	6.2	10	10	-	-	-	-	817179	807793	-	-	-	-		
						3.7	0.3	227	20.3	8.1	8.1	28.2	28.2	106.9	106.9	8.2	8.2	6.1	6.1	6.2	6.2	10	10	-	-	-	-								
					Bottom	6.3	0.3	211	20.3	8.1	8.1	28.2	28.2	104.8	104.8	8.0	8.0	6.3	6.3	8.0	8.0	6.3	6.3	13	13	-	-	-	-	817179	807793	-	-	-	-
						6.3	0.3	224	20.3	8.1	8.1	28.2	28.2	104.7	104.7	8.0	8.0	6.3	6.3	8.0	8.0	6.3	6.3	12	12	-	-	-	-						
SR5A	Cloudy	Calm	06:03	3.8	Surface	1.0	0.2	291	20.6	20.6	8.1	8.1	28.1	28.1	110.2	110.2	8.4	8.4	3.3	3.3	2	2	-	-	-	-	816590	810680	-	-	-	-			
						1.0	0.2	312	20.6	8.1	8.1	28.1	28.1	110.2	110.2	8.4	8.4	3.3	3.3	3.6	3.6	2	2	-	-	-	-								
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816590	810680	-	-	-	-	
						1.																													

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

Water Quality Monitoring Results on 10 January 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		
C1	Sunny	Moderate	16:08	9.0	Surface	1.0	0.4	129	20.6	20.6	8.2	8.2	28.8	28.8	109.4	109.3	8.3	8.2	3.4	4.9	9	10	92	94	815603	804232	<0.2	<0.2	0.9	0.8				
						1.0	0.5	129	20.6	8.2	8.2	28.8	28.8	109.2	109.3	8.3	8.2	3.4	4.9	7	10	93	94	<0.2	<0.2	0.9	0.8							
					Middle	4.5	0.4	98	20.5	20.5	8.2	8.2	29.0	29.0	105.5	105.4	8.0	7.7	4.6	8.0	8	10	93	94	94	94	<0.2	<0.2	0.7	0.8				
						4.5	0.4	104	20.5	20.5	8.2	8.2	29.0	29.0	105.3	105.4	8.0	7.7	4.7	8.0	8	10	94	94	94	94	<0.2	<0.2	0.8	0.8				
					Bottom	8.0	0.4	117	20.3	20.3	8.1	8.1	29.4	29.4	101.1	101.1	7.7	7.7	6.6	7.7	6.6	7.7	13	9	94	94	94	94	<0.2	<0.2	0.8	0.8		
						8.0	0.4	118	20.3	20.3	8.1	8.1	29.4	29.4	101.0	101.1	7.7	7.7	6.5	7.7	6.5	7.7	14	9	95	94	94	94	<0.2	<0.2	0.8	0.8		
C2	Sunny	Moderate	15:01	12.1	Surface	1.0	0.6	277	21.1	21.1	8.0	8.0	25.8	25.8	116.1	116.0	8.9	8.7	5.2	7.9	6	9	84	90	825691	806926	<0.2	<0.2	2.5	2.4				
						1.0	0.6	297	21.1	21.1	8.0	8.0	25.8	25.8	115.9	116.0	8.9	8.7	5.2	7.9	8	9	85	90	90	90	<0.2	<0.2	2.5	2.4				
					Middle	6.1	0.6	271	21.0	21.0	8.0	8.0	26.6	26.6	109.6	109.6	8.4	8.1	7.2	8.1	9	9	92	9	92	91	90	90	<0.2	<0.2	2.6	2.4		
						6.1	0.6	280	21.0	21.0	8.0	8.0	26.6	26.6	109.6	109.6	8.4	8.1	7.2	8.1	10	9	91	9	91	91	90	90	<0.2	<0.2	2.7	2.4		
					Bottom	11.1	0.5	274	20.8	20.8	8.0	8.0	27.8	27.8	106.5	106.5	8.1	8.1	11.2	8.1	10	8.1	10	8.1	11.2	9	94	93	825691	806926	<0.2	<0.2	2.0	2.0
						11.1	0.5	281	20.8	20.8	8.0	8.0	27.8	27.8	106.5	106.5	8.1	8.1	11.2	8.1	9	8.1	9	8.1	11.2	9	93	93	825691	806926	<0.2	<0.2	2.0	2.0
C3	Sunny	Moderate	17:15	12.8	Surface	1.0	0.3	202	20.8	20.8	8.0	8.0	28.8	28.8	100.2	100.2	7.6	7.5	5.1	8.0	8	11	89	92	822093	817817	<0.2	<0.2	1.2	1.1				
						1.0	0.3	207	20.8	20.8	8.0	8.0	28.8	28.8	100.1	100.2	7.6	7.5	5.1	8.0	6	11	89	92	92	92	822093	817817	<0.2	<0.2	1.2	1.1		
					Middle	6.4	0.2	220	20.7	20.7	8.0	8.0	29.0	29.0	98.0	98.0	7.4	7.4	8.6	7.4	13	11	93	11	93	93	92	92	<0.2	<0.2	1.1	1.1		
						6.4	0.2	224	20.7	20.7	8.0	8.0	29.0	29.0	98.0	98.0	7.4	7.4	8.8	7.4	12	11	93	11	93	93	92	92	<0.2	<0.2	1.1	1.1		
					Bottom	11.8	0.3	181	20.7	20.7	8.0	8.0	29.0	29.0	97.7	97.7	7.4	7.4	10.1	7.4	15	7.4	15	7.4	15	11	94	94	822093	817817	<0.2	<0.2	1.1	1.1
						11.8	0.4	192	20.7	20.7	8.0	8.0	29.0	29.0	97.7	97.7	7.4	7.4	10.1	7.4	13	7.4	13	7.4	13	11	94	94	822093	817817	<0.2	<0.2	1.0	1.0
IM1	Sunny	Moderate	15:46	7.6	Surface	1.0	0.4	208	20.4	20.4	8.2	8.2	28.5	28.5	108.3	108.3	8.3	8.2	3.3	3.8	8	8	92	93	818348	806455	<0.2	<0.2	1.0	1.1				
						1.0	0.4	213	20.4	20.4	8.2	8.2	28.5	28.5	108.3	108.3	8.3	8.2	3.4	3.8	9	8	93	8	93	93	818348	806455	<0.2	<0.2	1.2	1.1		
					Middle	3.8	0.4	159	20.4	20.4	8.2	8.2	28.5	28.5	106.6	106.6	8.1	7.7	3.6	7.7	9	7.7	9	8	93	94	93	93	818348	806455	<0.2	<0.2	1.0	1.1
						3.8	0.4	173	20.4	20.4	8.2	8.2	28.5	28.5	106.5	106.6	8.1	7.7	3.4	7.7	8	7.7	8	8	94	94	94	94	818348	806455	<0.2	<0.2	1.2	1.1
					Bottom	6.6	0.4	132	20.3	20.3	8.1	8.1	28.7	28.7	100.7	100.6	7.7	7.7	4.6	7.7	7	7.7	7	7.7	7	8	94	94	818348	806455	<0.2	<0.2	1.1	1.0
						6.6	0.4	133	20.3	20.3	8.1	8.1	28.6	28.7	100.5	100.6	7.7	7.7	4.4	7.7	8	7.7	8	7.7	8	8	94	94	818348	806455	<0.2	<0.2	1.0	1.0
IM2	Sunny	Moderate	15:40	8.5	Surface	1.0	0.4	219	20.7	20.7	8.1	8.1	27.6	27.6	109.9	109.9	8.4	8.3	2.8	3.3	7	9	89	91	818854	806183	<0.2	<0.2	1.5	1.4				
						1.0	0.4	219	20.7	20.7	8.1	8.1	27.6	27.6	109.8	109.9	8.4	8.3	2.8	3.3	9	9	90	9	90	91	818854	806183	<0.2	<0.2	1.6	1.4		
					Middle	4.3	0.4	206	20.5	20.5	8.1	8.1	28.0	28.0	106.1	106.1	8.1	7.7	3.2	7.7	10	7.7	10	9	90	91	818854	806183	<0.2	<0.2	1.5	1.4		
						4.3	0.4	214	20.5	20.5	8.1	8.1	27.9	28.0	106.0	106.1	8.1	7.7	3.2	7.7	9	7.7	9	9	91	91	91	91	818854	806183	<0.2	<0.2	1.4	1.4
					Bottom	7.5	0.4	163	20.3	20.3	8.1	8.1	28.4	28.4	101.1	101.0	7.7	7.7	3.9	7.7	8	7.7	8	7.7	8	9	92	92	818854	806183	<0.2	<0.2	1.2	1.2
						7.5	0.4	172	20.3	20.3	8.1	8.1	28.3	28.4	100.9	101.0	7.7	7.7	3.8	7.7	9	7.7	9	7.7	9	9	92	92	818854	806183	<0.2	<0.2	1.2	1.2
IM3	Sunny	Moderate	15:33	8.4	Surface	1.0	0.4	251	21.0	21.0	8.2	8.2	26.8	26.8	116.6	116.6	8.9	8.6	2.2	2.4	7	8	89	91	819396	806019	<0.2	<0.2	2.1	1.9				
						1.0	0.5	275	21.0	21.0	8.2	8.2	26.7	26.8	116.5	116.6	8.9	8.6	2.2	2.4	6	8	90	8	91	91	819396	806019	<0.2	<0.2	2.0	1.9		
					Middle	4.2	0.4	252	20.9	20.9	8.1	8.1	26.9	26.9	108.6	108.5	8.3	7.8	2.3	7.8	8	7.8	8	8	91	91	91	91	819396	806019	<0.2	<0.2	1.9	1.9
						4.2	0.4	253	20.9	20.9	8.1	8.1	26.9	26.9	108.3	108.5	8.3	7.8	2.3	7.8	6	7.8	6	7.8	6	8	91	91	819396	806019	<0.2	<0.2	1.9	1.9
					Bottom	7.4	0.3	192	20.5	20.5	8.1	8.1	27.9	28.0	102.6	102.2	7.8	7.8	2.6	7.8	11	7.8	11	7.8	11	8	92	92	819396	806019	<0.2	<0.2	1.6	1.6
						7.4	0.3	193	20.5	20.5	8.1	8.1	28.0	28.0	101.7	101.7	7.8	7.8	2.7	7.8	9	7.8	9	7.8	9	8	92	92	819396	806019	<0.2	<0.2	1.7	1.7
IM4	Sunny	Moderate	15:23	8.2	Surface	1.0	0.5	256	20.9	20.9	8.1	8.1	26.5	26.5	116.2	116.2	8.9	8.8	2.4	2.9	8	10	88	90	819578	805051	<0.2	<0.2	2.1	2.0				
						1.0	0.5	268	20.9	20.9	8.1	8.1	26.5	26.5	116.1	116.2	8.9	8.8	2.4	2.9	7	10	89	10	89	90	819578	805051	<0.2	<0.2	2.1	2.0		
					Middle	4.1	0.5	224	20.9	20.9	8.1	8.1	26.5	26.5	112.6	112.6	8.6	8.2	2.8	8.2	10	8.2	10	10	90	90	90	90	819578	805051	<0.2	<0.2	2.0	2.0
						4.1	0.5	229	20.9	20.9	8.1	8.1	26.5	26.5	112.5	112.6	8.6	8.2	2.8	8.2	11	8.2	11	10	90	91	90	90	819578	805051	<0.2	<0.2	2.0	2.0
					Bottom	7.2	0.5	168	20.5	20.5	8.1	8.1	27.3	27.3	106.3	106.3	8.2	8.2	3.4	8.2	11	8.2	11	8.2	11	10	91	91	819578	805051	<0.2	<0.2	1.8	1.8
						7.2	0.5	174	20.5	20.5	8.1	8.1	27.3	27.3	106.2	106.3	8.1	8.2	3.4	8.2	11	8.2	11	8.2	11	10	92	92	819578	805051	<0.2	<0.2	1.8	1.8
IM5	Sunny	Moderate	15:13	6.9	Surface	1.0	0.3	248	20.9	20.9	8.1	8.1	26.6	26.6	113.8</																			

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

Water Quality Monitoring Results on 10 January 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		
IM9	Sunny	Moderate	15:51	7.5	Surface	1.0	0.6	291	21.1	21.1	8.1	8.1	26.9	26.9	119.4	119.4	9.1	9.0	5.3	5.9	6	9	86	91	822081	808822	<0.2	<0.2	1.9	1.8				
						1.0	0.6	306	21.1	8.1	8.1	26.9	26.9	119.4	119.4	9.1	9.0	5.3	5.9	8	9	86	91	822081	808822	<0.2	<0.2	1.9	1.8					
					Middle	3.8	0.4	274	21.0	21.0	8.1	8.1	27.1	27.1	116.8	116.8	8.9	8.7	5.8	5.9	9	11	92	94	91	822081	808822	<0.2	<0.2	1.8	1.8			
						3.8	0.5	284	21.0	21.0	8.1	8.1	27.1	27.1	116.8	116.8	8.9	8.7	5.8	5.9	8	11	92	94	91	822081	808822	<0.2	<0.2	1.9	1.8			
					Bottom	6.5	0.3	251	20.6	20.6	8.1	8.1	27.7	27.7	114.3	114.3	8.7	8.7	6.7	8.7	6.7	8.7	11	10	94	94	91	822081	808822	<0.2	<0.2	1.5	1.6	
						6.5	0.3	255	20.6	20.6	8.1	8.1	27.7	27.7	114.3	114.3	8.7	8.7	6.7	8.7	6.7	8.7	10	9	94	94	91	822081	808822	<0.2	<0.2	1.6	1.6	
IM10	Sunny	Moderate	16:01	8.2	Surface	1.0	0.7	289	21.2	21.2	8.1	8.1	26.9	26.9	126.9	126.9	9.6	9.6	4.3	5.1	10	11	86	91	822235	809826	<0.2	<0.2	2.0	2.0				
						1.0	0.7	315	21.2	21.2	8.1	8.1	26.9	26.9	126.9	126.9	9.6	9.6	4.3	5.1	8	11	86	91	822235	809826	<0.2	<0.2	1.9	2.0				
					Middle	4.1	0.5	288	21.0	21.0	8.1	8.1	27.2	27.2	124.2	124.2	9.5	9.0	4.6	5.1	12	11	92	94	91	822235	809826	<0.2	<0.2	2.0	2.0			
						4.1	0.5	296	21.0	21.0	8.1	8.1	27.2	27.2	124.2	124.2	9.5	9.0	4.6	5.1	11	11	92	94	91	822235	809826	<0.2	<0.2	2.0	2.0			
					Bottom	7.2	0.4	286	20.8	20.8	8.1	8.1	27.5	27.5	118.7	118.7	9.0	9.0	6.5	9.0	6.5	9.0	12	11	94	94	91	822235	809826	<0.2	<0.2	2.0	1.9	
						7.2	0.4	288	20.8	20.8	8.1	8.1	27.5	27.5	118.7	118.7	9.0	9.0	6.5	9.0	6.5	9.0	11	11	94	94	91	822235	809826	<0.2	<0.2	2.0	1.9	
IM11	Sunny	Moderate	16:12	8.3	Surface	1.0	0.8	276	21.2	21.2	8.1	8.1	27.2	27.2	121.5	121.5	9.2	9.0	6.7	10.3	8	11	87	91	821520	810562	<0.2	<0.2	1.9	1.8				
						1.0	0.8	300	21.2	21.2	8.1	8.1	27.2	27.2	121.5	121.5	9.2	9.0	6.7	10.3	9	11	87	91	821520	810562	<0.2	<0.2	1.8	1.8				
					Middle	4.2	0.7	282	20.9	20.9	8.1	8.1	27.5	27.5	115.5	115.5	8.8	8.7	12.0	10.3	9	11	92	94	91	821520	810562	<0.2	<0.2	1.7	1.6			
						4.2	0.7	301	20.9	20.9	8.1	8.1	27.5	27.5	115.4	115.4	8.8	8.7	12.3	10.3	11	11	92	94	91	821520	810562	<0.2	<0.2	1.6	1.8			
					Bottom	7.3	0.5	279	20.9	20.9	8.1	8.1	27.5	27.5	114.2	114.2	8.7	8.7	11.9	10.3	15	11	94	94	91	821520	810562	<0.2	<0.2	1.8	1.8			
						7.3	0.6	297	20.9	20.9	8.1	8.1	27.5	27.5	114.2	114.2	8.7	8.7	11.9	10.3	14	11	94	94	91	821520	810562	<0.2	<0.2	1.8	1.8			
IM12	Sunny	Moderate	16:23	7.9	Surface	1.0	0.7	284	20.9	20.9	8.1	8.1	27.7	27.7	117.5	117.5	8.9	8.9	6.7	8.1	9	11	87	91	821149	811535	<0.2	<0.2	1.5	1.6				
						1.0	0.7	287	20.9	20.9	8.1	8.1	27.7	27.7	117.5	117.5	8.9	8.9	6.7	8.1	11	11	87	91	821149	811535	<0.2	<0.2	1.5	1.6				
					Middle	4.0	0.7	281	20.9	20.9	8.1	8.1	27.7	27.7	115.3	115.3	8.8	8.5	7.8	8.1	11	11	92	94	91	821149	811535	<0.2	<0.2	1.6	1.6			
						4.0	0.7	288	20.9	20.9	8.1	8.1	27.7	27.7	115.3	115.3	8.8	8.5	7.9	8.1	10	11	93	94	91	821149	811535	<0.2	<0.2	1.6	1.6			
					Bottom	6.9	0.6	284	20.9	20.9	8.1	8.1	27.7	27.7	111.3	111.3	8.5	8.5	9.6	8.5	14	11	94	94	91	821149	811535	<0.2	<0.2	1.6	1.6			
						6.9	0.6	289	20.9	20.9	8.1	8.1	27.7	27.7	111.3	111.3	8.5	8.5	9.6	8.5	13	11	94	94	91	821149	811535	<0.2	<0.2	1.6	1.6			
SR2	Sunny	Moderate	16:50	5.1	Surface	1.0	0.3	175	21.0	21.0	8.1	8.1	27.8	27.8	115.0	115.0	8.7	8.7	6.7	6.8	10	11	88	91	821450	814169	<0.2	<0.2	1.5	1.5				
						1.0	0.3	183	21.0	21.0	8.1	8.1	27.8	27.8	115.0	115.0	8.7	8.7	6.7	6.8	9	11	89	91	821450	814169	<0.2	<0.2	1.5	1.5				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821450	814169	<0.2	<0.2	-	-	
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821450	814169	<0.2	<0.2	-	-
					Bottom	4.1	0.2	138	21.0	21.0	8.1	8.1	27.9	27.9	114.6	114.6	8.7	8.7	6.8	8.7	6.8	8.7	12	11	94	94	91	821450	814169	<0.2	<0.2	1.5	1.6	
						4.1	0.2	145	21.0	21.0	8.1	8.1	27.9	27.9	114.6	114.6	8.7	8.7	6.8	8.7	6.8	8.7	11	11	94	94	91	821450	814169	<0.2	<0.2	1.6	1.6	
SR3	Sunny	Moderate	15:32	9.1	Surface	1.0	0.4	260	21.3	21.3	8.1	8.1	26.4	26.4	124.0	124.0	9.4	9.3	4.2	5.0	8	11	-	-	822139	807576	-	-	-	-				
						1.0	0.4	279	21.3	21.3	8.1	8.1	26.4	26.4	124.0	124.0	9.4	9.3	4.2	5.0	9	11	-	-	-	-	822139	807576	-	-	-	-		
					Middle	4.6	0.4	248	21.2	21.2	8.1	8.1	26.5	26.5	121.2	120.2	9.2	9.3	4.2	5.0	10	11	-	-	-	-	822139	807576	-	-	-	-		
						4.6	0.5	270	21.2	21.2	8.1	8.1	26.5	26.5	119.1	120.2	9.1	9.3	4.5	5.0	11	11	-	-	-	-	822139	807576	-	-	-	-		
					Bottom	8.1	0.4	221	20.6	20.6	8.0	8.0	28.0	28.0	110.4	110.4	8.4	8.4	6.4	8.4	6.4	8.4	12	11	-	-	-	-	822139	807576	-	-	-	-
						8.1	0.4	239	20.6	20.6	8.0	8.0	28.0	28.0	110.4	110.4	8.4	8.4	6.5	8.4	6.5	8.4	14	11	-	-	-	-	822139	807576	-	-	-	-
SR4A	Sunny	Moderate	16:29	9.5	Surface	1.0	0.5	225	20.9	20.9	8.2	8.2	27.6	27.6	112.8	112.8	8.6	8.5	6.7	6.8	14	15	-	-	817184	807824	-	-	-	-				
						1.0	0.5	228	20.9	20.9	8.2	8.2	27.6	27.6	112.7	112.8	8.6	8.5	6.7	6.8	13	15	-	-	-	-	817184	807824	-	-	-	-		
					Middle	4.8	0.4	229	20.9	20.9	8.1	8.1	27.6	27.6	108.8	108.7	8.3	8.5	6.7	6.8	16	15	-	-	-	-	817184	807824	-	-	-	-		
						4.8	0.4	240	20.9	20.9	8.1	8.1	27.6	27.6	108.5	108.7	8.3	8.5	6.8	6.8	16	15	-	-	-	-	817184	807824	-	-	-	-		
					Bottom	8.5	0.5	231	20.7	20.7	8.1	8.1	27.6	27.6	103.0	102.9	7.8	8.1	6.9	8.1	6.9	8.1	16	15	-	-	-	-	817184	807824	-	-	-	-
						8.5	0.5	240	20.7	20.7	8.1	8.1	27.6	27.6	102.8	102.9	7.8	8.1	6.9	8.1	6.9	8.1	16	15	-	-	-	-	817184	807824	-	-	-	-
SR5A	Sunny	Calm	16:48	4.5	Surface	1.0	0.3	280	21.2	21.2	8.2	8.2	27.4	27.4	115.0	115.0	8.7	8.7	3.7	3.9	9	10	-	-	816592	810689	-	-	-	-				
						1.0	0.3	296	21.2	21.2	8.2	8.2	27.4	27.4	115.0	115.0	8.7	8.7	3.8	3.9	10	10	-	-	-	-	816592	810689	-	-	-	-		
					Middle	2.3	-	-																										

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

Water Quality Monitoring Results on 10 January 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	Sunny	Moderate	10:37	8.7	Surface	1.0	0.6	216	20.3	20.3	8.1	8.1	29.1	29.1	105.6	105.6	8.0	7.9	3.6	4.2	6	8	93	94	815636	804246	<0.2	<0.2	0.6	0.5			
						1.0	0.6	235	20.3	8.1	8.1	29.0	29.1	105.6	105.6	8.0	7.9	3.6	4.2	6	8	92	94	94	94	815636	804246	<0.2	<0.2	0.5	0.5		
					Middle	4.4	0.5	207	20.3	8.1	8.1	29.1	29.1	101.3	101.3	7.7	7.5	4.1	4.2	8	8	8	8	8	8	94	94	815636	804246	<0.2	<0.2	0.5	0.5
						4.4	0.5	217	20.2	8.1	8.1	29.1	29.1	101.2	101.3	7.7	7.5	4.2	4.2	7	8	7	8	7	8	94	94	815636	804246	<0.2	<0.2	0.5	0.4
					Bottom	7.7	0.5	197	20.1	8.1	8.1	29.6	29.6	98.6	98.6	7.5	7.5	4.8	4.8	8	7.5	8	10	8	10	95	95	815636	804246	<0.2	<0.2	0.4	0.4
						7.7	0.6	213	20.1	8.1	8.1	29.6	29.6	98.5	98.6	7.5	7.5	4.8	4.8	8	7.5	10	10	8	10	95	95	815636	804246	<0.2	<0.2	0.4	0.4
C2	Cloudy	Moderate	12:20	11.9	Surface	1.0	0.4	85	21.1	21.1	8.0	8.0	25.9	25.9	116.1	116.1	8.9	8.6	5.0	6.2	3	5	84	90	825697	806955	<0.2	<0.2	2.2	2.1			
						1.0	0.4	86	21.1	8.0	8.0	25.9	25.9	116.0	116.1	8.9	8.6	5.0	6.2	5	5	84	91	90	90	825697	806955	<0.2	<0.2	2.1	2.1		
					Middle	6.0	0.3	102	20.8	8.0	8.0	26.6	26.6	108.8	108.8	8.3	8.1	6.3	6.2	4	5	4	5	4	5	91	91	825697	806955	<0.2	<0.2	2.1	2.1
						6.0	0.3	108	20.8	8.0	8.0	26.6	26.6	108.8	108.8	8.3	8.1	6.3	6.2	5	5	5	5	5	5	91	91	825697	806955	<0.2	<0.2	2.1	2.1
					Bottom	10.9	0.3	100	20.8	8.0	8.0	27.9	27.9	106.8	106.8	8.1	8.1	7.3	8.1	6	8.1	6	6	6	6	94	93	825697	806955	<0.2	<0.2	2.0	2.0
						10.9	0.3	104	20.8	8.0	8.0	27.9	27.9	106.8	106.8	8.1	8.1	7.3	8.1	6	8.1	6	6	6	6	94	93	825697	806955	<0.2	<0.2	2.0	2.0
C3	Cloudy	Moderate	10:18	12.6	Surface	1.0	0.6	178	20.8	20.8	8.0	8.0	28.8	28.8	102.0	102.0	7.7	7.7	3.8	4.3	2	3	89	92	822098	817808	<0.2	<0.2	0.9	0.8			
						1.0	0.7	193	20.8	8.0	8.0	28.8	28.8	101.9	102.0	7.7	7.7	3.8	4.3	3	3	90	93	92	92	822098	817808	<0.2	<0.2	0.8	0.9		
					Middle	6.3	0.6	174	20.7	8.0	8.0	28.8	28.8	100.3	100.3	7.6	7.4	3.8	7.7	3	3	3	3	3	3	93	93	822098	817808	<0.2	<0.2	0.9	1.0
						6.3	0.6	177	20.7	8.0	8.0	28.8	28.8	100.3	100.3	7.6	7.4	3.8	7.7	3	3	3	3	3	3	93	93	822098	817808	<0.2	<0.2	0.9	1.0
					Bottom	11.6	0.4	146	20.7	8.0	8.0	28.9	28.9	98.3	98.3	7.4	7.4	5.2	7.4	5	7.4	5	3	5	3	94	94	822098	817808	<0.2	<0.2	0.9	0.8
						11.6	0.4	157	20.7	8.0	8.0	28.9	28.9	98.3	98.3	7.4	7.4	5.1	7.4	3	7.4	3	3	3	3	94	94	822098	817808	<0.2	<0.2	0.8	0.8
IM1	Sunny	Moderate	11:01	7.3	Surface	1.0	0.5	200	20.4	20.4	8.1	8.1	28.2	28.2	106.0	106.0	8.1	8.0	3.8	5.2	6	9	93	94	818368	806459	<0.2	<0.2	0.9	0.7			
						1.0	0.5	202	20.4	8.1	8.1	28.2	28.2	105.9	106.0	8.1	8.0	3.8	5.2	6	9	93	94	94	94	818368	806459	<0.2	<0.2	0.9	0.7		
					Middle	3.7	0.4	181	20.3	8.1	8.1	28.4	28.4	103.2	103.2	7.9	7.7	5.0	7.7	8	8	8	9	8	9	94	94	818368	806459	<0.2	<0.2	0.7	0.7
						3.7	0.4	193	20.3	8.1	8.1	28.4	28.4	103.1	103.2	7.9	7.7	5.0	7.7	8	7.7	8	9	8	9	93	94	818368	806459	<0.2	<0.2	0.7	0.7
					Bottom	6.3	0.3	181	20.1	8.1	8.1	28.8	28.8	100.2	100.2	7.7	7.7	6.8	7.7	12	7.7	12	11	12	11	94	95	818368	806459	<0.2	<0.2	0.6	0.5
						6.3	0.4	182	20.1	8.1	8.1	28.8	28.8	100.1	100.2	7.7	7.7	6.8	7.7	11	7.7	11	11	11	11	95	95	818368	806459	<0.2	<0.2	0.5	0.5
IM2	Sunny	Moderate	11:07	8.4	Surface	1.0	0.4	210	20.5	20.5	8.1	8.1	27.8	27.8	108.1	108.1	8.3	8.2	2.8	3.6	5	6	91	92	818835	806208	<0.2	<0.2	1.0	1.0			
						1.0	0.5	227	20.5	8.1	8.1	27.8	27.8	108.1	108.1	8.3	8.2	2.8	3.6	4	6	4	6	91	92	92	92	818835	806208	<0.2	<0.2	1.0	1.0
					Middle	4.2	0.4	197	20.5	8.1	8.1	27.8	27.8	105.4	105.4	8.1	7.8	3.5	7.8	6	6	6	6	6	6	92	93	818835	806208	<0.2	<0.2	1.0	0.8
						4.2	0.4	203	20.5	8.1	8.1	27.8	27.8	105.3	105.4	8.0	7.8	3.5	7.8	4	7.8	4	6	4	6	93	93	818835	806208	<0.2	<0.2	1.0	0.8
					Bottom	7.4	0.3	167	20.3	8.1	8.1	28.3	28.3	101.5	101.5	7.8	7.8	4.6	7.8	8	7.8	8	8	8	8	93	94	818835	806208	<0.2	<0.2	0.8	0.8
						7.4	0.3	181	20.3	8.1	8.1	28.3	28.3	101.4	101.5	7.8	7.8	4.5	7.8	8	7.8	8	8	8	8	94	94	818835	806208	<0.2	<0.2	0.8	0.8
IM3	Sunny	Moderate	11:15	8.3	Surface	1.0	0.6	219	20.6	20.6	8.2	8.2	27.7	27.7	112.4	112.4	8.6	8.5	2.8	3.4	5	7	91	93	819394	806029	<0.2	<0.2	1.1	1.1			
						1.0	0.6	235	20.6	8.2	8.2	27.7	27.7	112.4	112.4	8.6	8.5	2.8	3.4	5	7	5	7	92	93	93	93	819394	806029	<0.2	<0.2	1.1	1.1
					Middle	4.2	0.6	201	20.6	8.2	8.2	27.7	27.7	109.7	109.7	8.4	8.0	3.3	8.0	6	8	6	7	6	7	93	93	819394	806029	<0.2	<0.2	1.2	1.1
						4.2	0.7	216	20.6	8.2	8.2	27.7	27.7	109.6	109.7	8.4	8.0	3.3	8.0	8	8	8	7	8	7	93	93	819394	806029	<0.2	<0.2	1.1	0.9
					Bottom	7.3	0.6	173	20.3	8.1	8.1	28.4	28.4	105.0	105.0	8.0	8.0	4.1	8.0	9	8.0	9	8	9	8	94	94	819394	806029	<0.2	<0.2	0.9	1.0
						7.3	0.6	186	20.3	8.1	8.1	28.4	28.4	105.0	105.0	8.0	8.0	3.9	8.0	8	8.0	8	8	8	8	94	94	819394	806029	<0.2	<0.2	1.0	1.0
IM4	Sunny	Moderate	11:23	7.8	Surface	1.0	0.6	196	20.6	20.6	8.2	8.2	27.9	27.9	113.9	113.8	8.7	8.4	3.6	3.9	7	8	91	92	819568	805047	<0.2	<0.2	1.0	1.0			
						1.0	0.7	198	20.6	8.2	8.2	27.9	27.9	113.7	113.8	8.7	8.4	3.6	3.9	8	8	8	8	8	8	92	92	819568	805047	<0.2	<0.2	1.0	1.0
					Middle	3.9	0.6	191	20.5	8.2	8.2	28.0	28.0	106.5	106.4	8.1	7.8	3.9	7.8	7	8	7	8	7	8	92	93	819568	805047	<0.2	<0.2	0.9	0.9
						3.9	0.6	206	20.5	8.2	8.2	28.0	28.0	106.3	106.4	8.1	7.8	3.9	7.8	9	8	9	8	9	8	93	93	819568	805047	<0.2	<0.2	0.9	0.9
					Bottom	6.8	0.4	205	20.3	8.1	8.1	28.5	28.5	102.2	101.8	7.8	7.8	4.2	7.8	7	7.8	7	7	7	7	93	93	819568	805047	<0.2	<0.2	1.0	1.0
						6.8	0.5	218	20.4	8.1	8.1	28.4	28.5	101.3	101.8	7.7	7.8	4.2	7.7	7	7.8	7	7	7	7	93	93	819568	805047	<0.2	<0.2	1.0	1.0
IM5	Sunny	Moderate	11:32	6.6	Surface	1.0	0.6	182	20.8	20.8	8.																						

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

Water Quality Monitoring Results on 10 January 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		
IM9	Cloudy	Moderate	11:32	7.1	Surface	1.0	0.5	138	20.9	20.9	8.1	8.1	26.9	26.9	114.0	114.0	8.7	8.6	6.2	8.1	10	11	86	90	822103	808797	<0.2	<0.2	1.6	1.7				
						1.0	0.6	142	20.9	8.1	8.1	26.9	26.9	114.0	114.0	8.7	8.6	6.2	8.1	9	11	86	90	86	90	86	90	<0.2	<0.2	1.7	1.7			
					Middle	3.6	0.6	114	20.6	20.6	8.1	8.1	27.4	27.4	109.4	109.4	8.4	8.6	8.7	8.1	8.7	8.1	10	11	92	91	822103	808797	<0.2	<0.2	1.7	1.7		
						3.6	0.6	119	20.6	20.6	8.1	8.1	27.4	27.4	109.4	109.4	8.4	8.6	8.7	8.1	8.7	8.1	10	11	92	91	822103	808797	<0.2	<0.2	1.7	1.7		
					Bottom	6.1	0.6	126	20.5	20.5	8.1	8.1	28.0	28.0	107.2	107.2	8.2	8.2	9.3	8.2	9.3	8.2	9.3	8.2	14	9	93	94	822103	808797	<0.2	<0.2	1.7	1.6
						6.1	0.7	135	20.5	20.5	8.1	8.1	28.0	28.0	107.2	107.2	8.2	8.2	9.3	8.2	9.3	8.2	9.3	8.2	13	9	94	94	822103	808797	<0.2	<0.2	1.6	1.6
IM10	Cloudy	Moderate	11:24	8.2	Surface	1.0	0.5	144	20.8	20.8	8.1	8.1	27.3	27.3	116.8	116.8	8.9	8.7	5.5	6.8	10	9	87	91	822259	809831	<0.2	<0.2	1.5	1.5				
						1.0	0.5	148	20.8	20.8	8.1	8.1	27.3	27.3	116.8	116.8	8.9	8.7	5.5	6.8	8	9	87	91	87	91	87	91	<0.2	<0.2	1.5	1.5		
					Middle	4.1	0.5	127	20.7	20.7	8.1	8.1	27.5	27.5	109.6	109.6	8.4	8.7	7.2	8.3	7.2	6.8	8	9	92	92	822259	809831	<0.2	<0.2	1.7	1.6		
						4.1	0.5	135	20.7	20.7	8.1	8.1	27.5	27.5	109.6	109.6	8.4	8.7	7.2	8.3	7.2	6.8	8	9	92	92	822259	809831	<0.2	<0.2	1.6	1.6		
					Bottom	7.2	0.4	126	20.6	20.6	8.1	8.1	27.7	27.7	108.2	108.2	8.3	8.3	7.6	8.3	7.6	8.3	8.3	8.3	10	9	94	93	822259	809831	<0.2	<0.2	1.4	1.5
						7.2	0.4	138	20.6	20.6	8.1	8.1	27.7	27.7	108.2	108.2	8.3	8.3	7.6	8.3	7.6	8.3	8.3	8.3	9	9	93	93	822259	809831	<0.2	<0.2	1.4	1.5
IM11	Cloudy	Moderate	11:15	8.0	Surface	1.0	0.6	116	20.8	20.8	8.1	8.1	27.4	27.4	115.2	115.2	8.8	8.6	6.5	7.7	11	11	87	91	821511	810555	<0.2	<0.2	1.6	1.5				
						1.0	0.6	118	20.8	20.8	8.1	8.1	27.4	27.4	115.2	115.2	8.8	8.6	6.5	7.7	10	11	87	91	87	91	87	91	<0.2	<0.2	1.7	1.5		
					Middle	4.0	0.6	119	20.7	20.7	8.1	8.1	27.5	27.5	109.8	109.8	8.4	8.6	8.3	8.2	8.3	7.7	11	11	92	92	821511	810555	<0.2	<0.2	1.4	1.5		
						4.0	0.6	127	20.7	20.7	8.1	8.1	27.5	27.5	109.8	109.8	8.4	8.6	8.3	8.2	8.3	7.7	11	11	92	92	821511	810555	<0.2	<0.2	1.5	1.5		
					Bottom	7.0	0.6	120	20.7	20.7	8.0	8.0	27.6	27.6	108.0	108.0	8.2	8.2	8.3	8.2	8.3	8.2	8.2	8.2	11	9	94	94	821511	810555	<0.2	<0.2	1.5	1.5
						7.0	0.6	121	20.7	20.7	8.0	8.0	27.6	27.6	108.0	108.0	8.2	8.2	8.3	8.2	8.3	8.2	8.2	8.2	10	9	94	94	821511	810555	<0.2	<0.2	1.5	1.5
IM12	Cloudy	Moderate	11:06	9.1	Surface	1.0	0.5	116	20.9	20.9	8.1	8.1	27.3	27.3	118.4	118.4	9.0	8.7	5.5	7.6	9	9	88	92	821181	811512	<0.2	<0.2	1.6	1.5				
						1.0	0.5	116	20.9	20.9	8.1	8.1	27.3	27.3	118.4	118.4	9.0	8.7	5.5	7.6	10	9	88	92	88	92	821181	811512	<0.2	<0.2	1.6	1.5		
					Middle	4.6	0.5	119	20.7	20.7	8.1	8.1	27.6	27.6	109.1	109.1	8.3	8.2	7.9	8.2	7.9	7.6	8	9	92	94	821181	811512	<0.2	<0.2	1.6	1.3		
						4.6	0.5	124	20.7	20.7	8.1	8.1	27.6	27.6	109.1	109.1	8.3	8.2	7.9	8.2	7.9	7.6	8	9	93	94	821181	811512	<0.2	<0.2	1.5	1.4		
					Bottom	8.1	0.5	122	20.7	20.7	8.0	8.0	27.7	27.7	107.4	107.4	8.2	8.2	9.3	8.2	9.3	8.2	8.2	8.2	8	9	94	94	821181	811512	<0.2	<0.2	1.3	1.4
						8.1	0.5	128	20.7	20.7	8.0	8.0	27.7	27.7	107.4	107.4	8.2	8.2	9.3	8.2	9.3	8.2	8.2	8.2	9	9	94	94	821181	811512	<0.2	<0.2	1.4	1.4
SR2	Cloudy	Moderate	10:43	4.7	Surface	1.0	0.2	115	20.8	20.8	8.1	8.1	27.7	27.7	109.8	109.8	8.4	8.4	5.5	5.6	8	7	89	92	821449	814160	<0.2	<0.2	1.3	1.4				
						1.0	0.3	120	20.8	20.8	8.1	8.1	27.7	27.7	109.8	109.8	8.4	8.4	5.5	5.6	7	7	89	92	89	92	89	92	<0.2	<0.2	1.4	1.4		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	5.6	-	7	-	92	821449	814160	-	<0.2	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.6	5.6	-	7	-	92	821449	814160	-	<0.2	-	-
					Bottom	3.7	0.2	134	20.8	20.8	8.0	8.0	27.8	27.8	107.4	107.4	8.2	8.2	5.8	8.2	5.8	8.2	8.2	8.2	6	6	94	94	821449	814160	<0.2	<0.2	1.5	1.4
						3.7	0.2	146	20.8	20.8	8.0	8.0	27.8	27.8	107.4	107.4	8.2	8.2	5.4	8.2	5.4	8.2	8.2	8.2	6	6	94	94	821449	814160	<0.2	<0.2	1.4	1.4
SR3	Cloudy	Moderate	11:47	8.9	Surface	1.0	0.5	179	20.9	20.9	8.0	8.0	26.4	26.4	112.4	112.4	8.6	8.6	5.6	7.5	6	7	-	-	822153	807552	-	-	-	-				
						1.0	0.5	190	20.9	20.9	8.0	8.0	26.4	26.4	112.4	112.4	8.6	8.6	5.6	7.5	8	7	-	7	-	-	822153	807552	-	-	-	-		
					Middle	4.5	0.3	197	20.8	20.8	8.0	8.0	26.6	26.6	110.8	110.8	8.5	8.4	7.2	8.4	7.2	7.5	6	7	-	-	822153	807552	-	-	-	-		
						4.5	0.3	215	20.8	20.8	8.0	8.0	26.6	26.6	110.8	110.8	8.5	8.4	7.2	8.4	7.2	7.5	6	7	-	-	822153	807552	-	-	-	-		
					Bottom	7.9	0.3	158	20.5	20.5	8.1	8.1	27.9	27.9	109.8	109.8	8.4	8.4	9.8	8.4	9.8	8.4	8.4	8.4	8	7	-	-	822153	807552	-	-	-	-
						7.9	0.3	164	20.5	20.5	8.1	8.1	27.9	27.9	109.8	109.8	8.4	8.4	9.8	8.4	9.8	8.4	8.4	8.4	10	7	-	-	822153	807552	-	-	-	-
SR4A	Sunny	Moderate	10:17	9.4	Surface	1.0	0.3	140	20.5	20.5	8.1	8.1	27.8	27.8	108.7	108.7	8.3	8.2	7.6	8.2	17	19	-	-	817173	807796	-	-	-	-				
						1.0	0.3	147	20.5	20.5	8.1	8.1	27.8	27.8	108.6	108.6	8.3	8.2	7.7	8.2	15	19	-	19	-	-	817173	807796	-	-	-	-		
					Middle	4.7	0.3	109	20.4	20.4	8.1	8.1	27.8	27.8	105.7	105.7	8.1	8.2	8.8	8.1	8.7	8.2	21	19	-	-	817173	807796	-	-	-	-		
						4.7	0.3	113	20.4	20.4	8.1	8.1	27.8	27.8	105.6	105.6	8.1	8.2	8.7	8.1	8.7	8.2	20	19	-	-	817173	807796	-	-	-	-		
					Bottom	8.4	0.4	84	20.3	20.3	8.1	8.1	27.9	27.9	102.7	102.7	7.9	7.9	8.1	7.9	8.1	7.9	7.9	19	19	-	-	817173	807796	-	-	-	-	
						8.4	0.4	85	20.3	20.3	8.1	8.1	27.9	27.9	102.6	102.6	7.9	7.9	8.1	7.9	8.1	7.9	7.9	20	19	-	-	817173	807796	-	-	-	-	
SR5A	Sunny	Calm	09:59	3.4	Surface	1.0	0.2	204	21.0	21.0	8.1	8.1	27.3	27.3	111.2	111.1	8.4	8.4	2.9	2.9	8	7	-	-	816587	810696								

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

Water Quality Monitoring Results on 12 January 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
C1	Cloudy	Moderate	07:01	8.5	Surface	1.0	0.6	59	20.2	20.2	8.1	8.1	27.9	27.9	101.8	101.8	7.8	7.8	9.5	7.8	18	25	92	93	815635	804255	<0.2	<0.2	0.9	0.8		
						1.0	0.7	59	20.2	8.1	8.1	27.9	27.9	101.8	101.8	7.8	7.8	9.6	7.8	17	13.7	17	92	92	92	93	<0.2	<0.2	0.9	0.8		
					Middle	4.3	0.5	76	20.2	8.0	8.0	28.3	28.3	100.6	100.6	7.7	7.7	13.9	7.6	13.7	18	25	93	93	93	94	<0.2	<0.2	0.8	0.8		
						4.3	0.5	78	20.2	8.0	8.0	28.3	28.3	100.5	100.5	7.7	7.7	14.1	7.6	13.7	20	25	94	94	94	94	<0.2	<0.2	0.8	0.8		
					Bottom	7.5	0.5	70	20.2	8.0	8.0	28.8	28.8	98.9	98.9	7.6	7.6	17.6	7.6	7.6	17.6	25	94	94	94	94	<0.2	<0.2	0.8	0.8		
						7.5	0.5	71	20.2	7.9	8.0	28.8	28.8	98.9	98.9	7.6	7.6	17.2	7.6	7.6	17.2	41	94	94	94	94	<0.2	<0.2	0.8	0.8		
C2	Cloudy	Moderate	08:41	12.4	Surface	1.0	0.4	133	21.0	21.0	7.9	7.9	25.5	25.5	100.9	100.9	7.8	7.8	9.2	11.6	7	8	86	91	825676	806955	<0.2	<0.2	2.6	2.3		
						1.0	0.4	136	21.0	7.9	7.9	25.5	25.5	100.9	100.9	7.8	7.8	9.3	7.8	11.6	8	87	91	87	91	<0.2	<0.2	2.5	2.3			
					Middle	6.2	0.3	113	20.9	7.9	7.9	25.9	25.9	100.3	100.3	7.7	7.7	11.4	7.7	11.6	7	8	92	91	92	91	<0.2	<0.2	2.6	2.3		
						6.2	0.3	122	20.9	7.9	7.9	25.9	25.9	100.3	100.3	7.7	7.7	11.5	7.7	11.6	7	8	92	91	92	91	<0.2	<0.2	2.7	2.3		
					Bottom	11.4	0.2	138	20.8	7.9	7.9	26.4	26.4	99.8	99.8	7.7	7.7	14.1	7.7	14.1	10	9	94	91	94	91	<0.2	<0.2	1.5	1.6		
						11.4	0.2	147	20.8	7.9	7.9	26.4	26.4	99.8	99.8	7.7	7.7	14.1	7.7	14.1	10	9	94	91	94	91	<0.2	<0.2	1.5	1.6		
C3	Cloudy	Moderate	06:38	11.1	Surface	1.0	0.5	243	20.6	20.6	8.0	8.0	28.5	28.5	98.4	98.4	7.5	7.5	8.0	12.4	5	9	91	93	822113	817818	<0.2	<0.2	0.9	1.0		
						1.0	0.5	243	20.6	8.0	8.0	28.5	28.5	98.4	98.4	7.5	7.5	8.0	7.5	5	9	91	93	91	93	<0.2	<0.2	0.9	1.0			
					Middle	5.6	0.5	251	20.7	8.0	8.0	28.5	28.5	97.8	97.8	7.4	7.4	11.6	7.4	12.4	8	9	93	93	93	93	<0.2	<0.2	1.0	1.0		
						5.6	0.5	256	20.7	8.0	8.0	28.5	28.5	97.8	97.8	7.4	7.4	11.6	7.4	12.4	10	9	92	93	92	93	<0.2	<0.2	1.2	1.0		
					Bottom	10.1	0.4	249	20.7	8.0	8.0	28.6	28.6	97.5	97.5	7.4	7.4	17.5	7.4	7.4	12	9	94	93	94	93	<0.2	<0.2	0.9	1.0		
						10.1	0.4	271	20.7	8.0	8.0	28.6	28.6	97.5	97.5	7.4	7.4	17.5	7.4	7.4	13	9	94	93	94	93	<0.2	<0.2	1.0	1.0		
IM1	Cloudy	Moderate	07:21	7.7	Surface	1.0	0.5	119	20.3	20.3	8.0	8.0	28.1	28.1	99.5	99.5	7.6	7.6	7.5	9.6	14	17	91	92	818350	806477	<0.2	<0.2	1.0	1.0		
						1.0	0.6	123	20.3	8.0	8.0	28.1	28.1	99.5	99.5	7.6	7.6	7.6	9.6	14	17	91	92	91	92	<0.2	<0.2	1.1	1.0			
					Middle	3.9	0.4	135	20.3	8.0	8.0	28.1	28.1	98.8	98.8	7.6	7.6	10.7	7.6	9.6	17	17	92	92	92	92	<0.2	<0.2	1.0	1.0		
						3.9	0.5	145	20.3	8.0	8.0	28.1	28.1	98.8	98.8	7.6	7.6	10.7	7.6	9.6	15	17	93	92	93	92	<0.2	<0.2	0.9	1.0		
					Bottom	6.7	0.4	171	20.3	8.0	8.0	28.1	28.1	98.5	98.5	7.5	7.5	10.5	7.5	7.5	19	17	93	92	93	92	<0.2	<0.2	1.0	1.0		
						6.7	0.4	179	20.3	8.0	8.0	28.1	28.1	98.5	98.5	7.5	7.5	10.3	7.5	7.5	21	17	93	92	93	92	<0.2	<0.2	1.0	1.0		
IM2	Cloudy	Moderate	07:27	8.6	Surface	1.0	0.5	110	20.3	20.3	8.1	8.1	28.2	28.2	100.9	100.9	7.7	7.7	13.4	16.7	28	31	89	91	818858	806189	<0.2	<0.2	1.0	1.0		
						1.0	0.5	118	20.3	8.1	8.1	28.2	28.2	100.9	100.9	7.7	7.7	13.3	7.7	16.7	29	31	90	91	90	91	<0.2	<0.2	1.0	1.0		
					Middle	4.3	0.5	119	20.3	8.0	8.0	28.2	28.2	100.3	100.3	7.7	7.7	16.9	7.7	16.7	27	31	90	91	90	91	<0.2	<0.2	1.0	1.0		
						4.3	0.5	127	20.3	8.0	8.0	28.2	28.2	100.2	100.2	7.7	7.7	16.9	7.7	16.7	28	31	91	91	91	91	<0.2	<0.2	1.0	1.0		
					Bottom	7.6	0.5	116	20.3	8.0	8.0	28.2	28.2	99.5	99.5	7.6	7.6	19.9	7.6	7.6	36	31	91	91	91	91	<0.2	<0.2	0.9	1.0		
						7.6	0.5	117	20.3	8.0	8.0	28.2	28.2	99.5	99.5	7.6	7.6	19.9	7.6	7.6	39	31	92	91	92	91	<0.2	<0.2	1.0	1.0		
IM3	Cloudy	Moderate	07:35	8.8	Surface	1.0	0.6	145	20.3	20.3	8.1	8.1	28.3	28.3	100.7	100.7	7.7	7.7	16.3	18.4	24	29	91	92	819419	806001	<0.2	<0.2	0.9	0.9		
						1.0	0.6	153	20.3	8.1	8.1	28.3	28.3	100.7	100.7	7.7	7.7	16.4	7.7	18.4	23	29	92	92	92	92	<0.2	<0.2	0.9	0.9		
					Middle	4.4	0.5	110	20.3	8.1	8.1	28.3	28.3	100.6	100.6	7.7	7.7	18.6	7.7	18.4	30	29	92	92	92	92	<0.2	<0.2	0.9	0.9		
						4.4	0.6	116	20.3	8.1	8.1	28.3	28.3	100.6	100.6	7.7	7.7	18.5	7.7	18.4	28	29	92	92	92	92	<0.2	<0.2	0.9	0.9		
					Bottom	7.8	0.6	120	20.3	8.1	8.1	28.3	28.3	100.5	100.5	7.7	7.7	20.4	7.7	18.4	35	29	93	92	93	92	<0.2	<0.2	0.9	0.9		
						7.8	0.6	129	20.3	8.1	8.1	28.3	28.3	100.5	100.5	7.7	7.7	20.0	7.7	18.4	32	29	93	92	93	92	<0.2	<0.2	1.0	1.0		
IM4	Cloudy	Moderate	07:44	8.4	Surface	1.0	0.7	85	20.3	20.3	8.1	8.1	27.9	27.9	102.6	102.6	7.9	7.9	6.4	12.8	11	18	89	90	819554	805040	<0.2	<0.2	1.1	1.0		
						1.0	0.7	88	20.3	8.1	8.1	27.9	27.9	102.5	102.5	7.9	7.9	6.5	7.9	12.8	12	18	89	90	89	90	<0.2	<0.2	1.1	1.0		
					Middle	4.2	0.6	105	20.3	8.1	8.1	28.2	28.2	101.6	101.7	7.8	7.8	11.6	7.8	12.8	14	18	90	90	90	90	<0.2	<0.2	1.2	1.0		
						4.2	0.7	106	20.3	8.1	8.1	28.2	28.2	101.7	101.7	7.8	7.8	11.8	7.8	12.8	16	18	90	90	90	90	<0.2	<0.2	1.0	1.0		
					Bottom	7.4	0.6	133	20.3	8.1	8.1	28.4	28.4	101.7	101.7	7.8	7.8	20.5	7.8	7.8	26	18	91	90	91	90	<0.2	<0.2	0.9	0.8		
						7.4	0.6	136	20.3	8.1	8.1	28.4	28.4	101.7	101.7	7.8	7.8	19.8	7.8	7.8	26	18	90	90	90	90	<0.2	<0.2	0.8	0.8		
IM5	Cloudy	Moderate	07:53	7.2	Surface	1.0	0.6	88	20.4	20.4	8.1	8.1	27.6	27.6	101.4	101.4	7.8	7.8	7.7	12.0	19	21	92	94	820555	804927	<0.2	<0.2	1.0	1.1		
						1.0	0.7	94	20.3	8.1	8.1	27.6	27.6	101.4	101.4	7.8	7.8	7.9	7.8	12.0	18	21	93	94	93	94	<0.2	<0.2	1.1	1.1		
					Middle	3.6	0.6	87	20.3	8.1	8.1	27.9	27.9	101.1	101.1	7.8	7.8	12.8	7.8	12.0	22	21	93	94	93	94	<0.2	<0.2	1.1	1.1		
						3.6	0.6	89	20.3	8.1	8.1	27.9	27.9	101.0	101.1	7.7	7.7	13.1	7.7	12.0	21											

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

Water Quality Monitoring Results on 12 January 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					
IM9	Cloudy	Moderate	07:48	7.3	Surface	1.0	0.4	151	20.8	20.8	8.0	8.0	26.6	26.6	102.5	102.5	7.9	7.9	10.0	7.9	12	14	87	91	822107	808814	<0.2	1.9	<0.2	1.9							
						1.0	0.4	163	20.8	8.0	8.0	26.6	26.6	102.5	102.5	7.9	7.9	10.0	7.9	12	14	87	91														
					Middle	3.7	0.3	129	20.8	20.8	8.0	8.0	26.7	26.7	101.9	101.9	7.8	7.8	12.4	13.3	15	14	92	91			<0.2	1.8			<0.2	1.8					
						3.7	0.3	139	20.8	20.8	8.0	8.0	26.7	26.7	101.9	101.9	7.8	7.8	12.4	13.3	16	14	92	91			<0.2	2.0			<0.2	2.0					
					Bottom	6.3	0.3	139	20.8	20.8	8.0	8.0	26.9	26.9	100.8	100.9	7.7	7.7	17.7	13.3	14	14	94	91			<0.2	2.1			<0.2	2.1					
						6.3	0.3	151	20.8	20.8	8.0	8.0	26.9	26.9	100.9	100.9	7.7	7.7	17.4	13.3	13	14	94	91			<0.2	2.1			<0.2	2.1					
IM10	Cloudy	Moderate	07:39	8.1	Surface	1.0	0.5	271	20.6	20.6	8.0	8.0	27.7	27.7	102.5	102.5	7.8	7.8	9.2	7.8	12	14	87	91	822256	809830	<0.2	1.5	<0.2	1.5							
						1.0	0.5	291	20.6	20.6	8.0	8.0	27.7	27.7	102.5	102.5	7.8	7.8	9.1	7.8	13	14	88	91			<0.2	1.4			<0.2	1.4					
					Middle	4.1	0.5	273	20.6	20.6	8.0	8.0	27.9	27.9	102.1	102.1	7.8	7.8	11.5	11.2	14	14	92	91			<0.2	1.5			<0.2	1.5					
						4.1	0.5	292	20.6	20.6	8.0	8.0	27.9	27.9	102.1	102.1	7.8	7.8	11.5	11.2	15	14	92	91			<0.2	1.4			<0.2	1.4					
					Bottom	7.1	0.4	233	20.6	20.6	8.0	8.0	27.9	27.9	101.1	101.1	7.7	7.7	13.0	11.2	16	14	94	91			<0.2	1.5			<0.2	1.5					
						7.1	0.4	245	20.6	20.6	8.0	8.0	27.9	27.9	101.1	101.1	7.7	7.7	12.8	11.2	16	14	94	91			<0.2	1.5			<0.2	1.5					
IM11	Cloudy	Moderate	07:31	8.3	Surface	1.0	0.4	251	20.6	20.6	8.0	8.0	27.7	27.7	102.1	102.1	7.8	7.8	8.8	7.8	12	13	88	91	821520	810561	<0.2	1.6	<0.2	1.6							
						1.0	0.4	270	20.6	20.6	8.0	8.0	27.7	27.7	102.1	102.1	7.8	7.8	8.8	7.8	11	13	88	91			<0.2	1.5			<0.2	1.5					
					Middle	4.2	0.4	244	20.6	20.6	8.0	8.0	27.8	27.8	101.6	101.6	7.8	7.8	11.5	11.0	12	13	92	91			<0.2	1.6			<0.2	1.6					
						4.2	0.4	257	20.6	20.6	8.0	8.0	27.8	27.8	101.6	101.6	7.8	7.8	11.5	11.0	11	13	93	91			<0.2	1.6			<0.2	1.6					
					Bottom	7.3	0.3	241	20.6	20.6	8.0	8.0	27.8	27.8	100.8	100.8	7.7	7.7	12.6	11.0	16	13	93	91			<0.2	1.6			<0.2	1.6					
						7.3	0.3	250	20.6	20.6	8.0	8.0	27.8	27.8	100.8	100.8	7.7	7.7	12.6	11.0	14	13	94	91			<0.2	1.5			<0.2	1.5					
IM12	Cloudy	Moderate	07:23	8.6	Surface	1.0	0.4	263	20.6	20.6	8.0	8.0	27.8	27.8	103.1	103.1	7.9	7.9	10.0	7.9	9	13	89	92	821147	811503	<0.2	1.4	<0.2	1.4							
						1.0	0.5	286	20.6	20.6	8.0	8.0	27.8	27.8	103.1	103.1	7.9	7.9	10.1	7.9	8	13	88	92			<0.2	1.5			<0.2	1.5					
					Middle	4.3	0.5	262	20.6	20.6	8.0	8.0	27.9	27.9	103.0	103.0	7.9	7.9	14.6	13.9	16	13	93	92			<0.2	1.3			<0.2	1.3					
						4.3	0.5	282	20.6	20.6	8.0	8.0	27.9	27.9	103.0	103.0	7.9	7.9	15.0	13.9	16	13	92	92			<0.2	1.4			<0.2	1.4					
					Bottom	7.6	0.4	271	20.6	20.6	8.0	8.0	27.9	27.9	102.5	102.5	7.8	7.8	16.8	13.9	16	13	94	92			<0.2	1.4			<0.2	1.4					
						7.6	0.4	280	20.6	20.6	8.0	8.0	27.9	27.9	102.5	102.5	7.8	7.8	16.9	13.9	15	13	94	92			<0.2	1.5			<0.2	1.5					
SR2	Cloudy	Moderate	07:00	4.5	Surface	1.0	0.2	159	20.6	20.6	8.0	8.0	27.9	27.9	101.5	101.5	7.8	7.8	8.3	7.8	12	15	90	92	821479	814154	<0.2	1.4	<0.2	1.4							
						1.0	0.2	169	20.6	20.6	8.0	8.0	27.9	27.9	101.5	101.5	7.8	7.8	8.3	7.8	11	15	89	92			<0.2	1.4			<0.2	1.4					
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	15			-	-			92	821479	814154	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.3	-	-	15			-	-			92	821479	814154	-	-	-	-
					Bottom	3.5	0.2	191	20.6	20.6	8.0	8.0	27.9	27.9	101.2	101.2	7.7	7.7	8.2	7.7	7.7	7.7	17	15			94	92			<0.2	1.4	<0.2	1.4			
						3.5	0.2	205	20.6	20.6	8.0	8.0	27.9	27.9	101.2	101.2	7.7	7.7	8.2	7.7	7.7	7.7	18	15			94	92			<0.2	1.4	<0.2	1.4			
SR3	Cloudy	Moderate	08:05	9.1	Surface	1.0	0.6	46	20.7	20.7	8.0	8.0	26.5	26.5	102.8	102.8	7.9	7.9	9.1	7.9	12	13	-	-	822129	807553	-	-	-	-							
						1.0	0.6	49	20.7	20.7	8.0	8.0	26.5	26.5	102.8	102.8	7.9	7.9	9.1	7.9	10	13	-	-			-	-									
					Middle	4.6	0.6	62	20.8	20.8	8.0	8.0	26.8	26.8	101.6	101.6	7.8	7.8	11.2	10.9	14	13	-	-			-	-			-	-	-	-	-	-	
						4.6	0.7	62	20.8	20.8	8.0	8.0	26.8	26.8	101.6	101.6	7.8	7.8	11.2	10.9	14	13	-	-			-	-			-	-	-	-	-	-	
					Bottom	8.1	0.4	105	20.6	20.6	8.0	8.0	27.5	27.5	100.8	100.8	7.7	7.7	12.4	10.9	14	13	-	-			-	-			-	-	-	-	-	-	-
						8.1	0.5	108	20.6	20.6	8.0	8.0	27.5	27.5	100.7	100.7	7.7	7.7	12.5	10.9	12	13	-	-			-	-			-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	06:37	8.9	Surface	1.0	0.3	162	20.3	20.3	8.0	8.0	28.0	28.0	98.5	98.5	7.5	7.5	4.6	7.5	15	14	-	-	817207	807817	-	-	-	-							
						1.0	0.3	177	20.3	20.3	8.0	8.0	28.0	28.0	98.5	98.5	7.5	7.5	4.6	7.5	14	14	-	-			-	-									
					Middle	4.5	0.2	135	20.3	20.3	8.0	8.0	28.0	28.0	98.2	98.2	7.5	7.5	5.2	4.7	13	14	-	-			-	-			-	-	-	-	-	-	
						4.5	0.3	142	20.3	20.3	8.0	8.0	28.0	28.0	98.2	98.2	7.5	7.5	5.2	4.7	14	14	-	-			-	-			-	-	-	-	-	-	
					Bottom	7.9	0.3	134	20.3	20.3	7.9	7.9	27.9	27.9	97.8	97.8	7.5	7.5	4.4	4.7	14	14	-	-			-	-			-	-	-	-	-	-	-
						7.9	0.3	144	20.3	20.3	7.9	7.9	27.9	27.9	97.8	97.8	7.5	7.5	4.4	4.7	15	14	-	-			-	-			-	-	-	-	-	-	-
SR5A	Cloudy	Moderate	06:20	4.3	Surface	1.0	0.1	299	20.4	20.4	8.0	8.0	27.5	27.5	98.6	98.6	7.6	7.6	5.2	7.6	13	14	-	-	816589	810679	-	-	-	-							
						1.0	0.2	310	20.4	20.4	7.9	7.9	27.4	27.4	98.6	98.6	7.6	7.6	5.3	7.6	12	14	-	-			-	-									
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	14			-	-			-	-	-	-	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	-	-	14			-	-			-	-	-	-	-	-	
					Bottom	3.3	0.2	285	20.4	20.4	7.9	7.9	27.3	27.3	98.2	98.2	7.5	7.5	4.7	7.5	14	14	-	-			-	-			-	-	-	-	-	-	-
						3.3	0.2	304	20.4	20.4	7.9	7.9	27.3	27.3	98.2	98.2	7.5	7.5	4.7	7.5	15	14	-	-			-	-			-	-	-	-	-	-	-
SR6	Cloudy	Moderate	05:55	4.5	Surface	1.0	0.1	215	20.4	20.4	7.9	7.9	26.8	26.8	98.7	98.7	7.6																				

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

Water Quality Monitoring Results on 12 January 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
C1	Cloudy	Moderate	12:22	8.8	Surface	1.0	0.5	188	20.2	20.2	8.1	8.1	28.4	28.4	101.0	101.0	7.7	7.7	5.0	5.0	8	8	92	93	815629	804248	<0.2	<0.2	1.0	1.0	
						1.0	0.5	202	20.2	8.1	8.1	28.4	28.4	101.0	101.0	7.7	7.7	5.0	5.0	7	7	8	8	93			94	<0.2	<0.2	0.9	1.0
						4.4	0.4	179	20.2	8.1	8.1	28.6	28.6	100.0	100.0	7.7	7.7	5.5	5.3	8	8	93	94	94			94	<0.2	<0.2	1.0	1.0
					4.4	0.4	192	20.2	8.1	8.1	28.6	28.6	100.0	100.0	7.6	7.6	5.5	5.3	8	8	94	94	94	94			<0.2	<0.2	1.0	1.0	
					7.8	0.4	196	20.2	8.0	8.0	29.0	29.0	99.9	99.9	7.6	7.6	5.5	5.3	9	9	94	94	94	94			<0.2	<0.2	3.4	3.6	
					7.8	0.4	201	20.2	8.0	8.0	29.0	29.0	99.9	99.9	7.6	7.6	5.5	5.3	10	10	95	95	95	95			<0.2	<0.2	3.4	3.6	
C2	Cloudy	Moderate	11:19	12.3	Surface	1.0	0.3	118	20.9	20.9	7.9	7.9	25.5	25.5	100.7	100.7	7.8	7.8	9.3	9.3	9	9	86	86	825691	806928	<0.2	<0.2	3.1	2.9	
						1.0	0.3	124	20.9	7.9	7.9	25.5	25.5	100.7	100.7	7.8	7.8	9.3	9.3	8	8	85	85	<0.2			<0.2	2.8	2.7		
						6.2	0.3	114	20.8	7.9	7.9	26.1	26.1	100.6	100.6	7.7	7.7	12.4	15.9	10	10	92	91	<0.2			<0.2	2.7	2.7		
					6.2	0.3	116	20.8	7.9	7.9	26.1	26.1	100.6	100.6	7.7	7.7	12.4	15.9	10	10	91	91	<0.2	<0.2			2.7	2.7			
					11.3	0.3	260	20.7	8.0	8.0	27.5	27.5	100.7	100.7	7.7	7.7	25.9	25.9	13	13	93	93	<0.2	<0.2			2.9	3.0			
					11.3	0.3	265	20.7	8.0	8.0	27.5	27.5	100.7	100.7	7.7	7.7	25.9	25.9	12	12	93	93	<0.2	<0.2			2.9	3.0			
C3	Cloudy	Moderate	13:16	12.5	Surface	1.0	0.4	77	20.6	20.6	8.0	8.0	28.2	28.2	99.6	99.6	7.6	7.6	5.7	5.7	5	5	89	89	822125	817798	<0.2	<0.2	1.0	1.0	
						1.0	0.5	83	20.6	8.0	8.0	28.2	28.2	99.6	99.6	7.6	7.6	5.7	5.7	7	7	89	89	<0.2			<0.2	0.9	0.9		
						6.3	0.4	86	20.6	8.0	8.0	28.4	28.4	97.0	97.0	7.4	7.4	7.5	9.3	8	8	93	93	<0.2			<0.2	1.1	1.0		
					6.3	0.4	90	20.6	8.0	8.0	28.4	28.4	97.0	97.0	7.4	7.4	7.5	9.3	8	8	93	93	<0.2	<0.2			1.0	1.0			
					11.5	0.4	105	20.6	7.9	7.9	28.7	28.7	95.8	95.8	7.3	7.3	14.6	14.6	9	9	95	95	<0.2	<0.2			0.9	0.9			
					11.5	0.4	107	20.6	7.9	7.9	28.7	28.7	95.8	95.8	7.3	7.3	14.6	14.6	11	11	94	94	<0.2	<0.2			1.1	1.1			
IM1	Cloudy	Moderate	12:01	7.4	Surface	1.0	0.3	170	20.3	20.3	8.1	8.1	28.1	28.1	100.4	100.4	7.7	7.7	6.3	6.3	11	11	92	93	818335	806472	<0.2	<0.2	1.2	1.1	
						1.0	0.3	185	20.3	8.1	8.1	28.1	28.1	100.4	100.4	7.7	7.7	6.3	6.3	10	10	93	93	<0.2			<0.2	1.0	1.0		
						3.7	0.3	169	20.3	8.1	8.1	28.1	28.1	100.3	100.3	7.7	7.7	7.0	6.8	10	11	93	94	<0.2			<0.2	1.1	1.0		
					3.7	0.3	169	20.3	8.1	8.1	28.1	28.1	100.3	100.3	7.7	7.7	6.9	6.8	11	11	94	94	<0.2	<0.2			1.0	1.0			
					6.4	0.3	160	20.2	8.0	8.0	28.4	28.4	99.4	99.4	7.6	7.6	7.2	7.2	11	11	94	94	<0.2	<0.2			1.2	1.1			
					6.4	0.3	170	20.2	8.0	8.0	28.4	28.4	99.4	99.4	7.6	7.6	7.2	7.2	12	12	94	94	<0.2	<0.2			1.1	1.1			
IM2	Cloudy	Moderate	11:56	8.5	Surface	1.0	0.5	150	20.2	20.2	8.1	8.1	28.3	28.3	102.5	102.5	7.9	7.9	5.7	5.6	9	10	89	88	818849	806189	<0.2	<0.2	1.0	0.9	
						1.0	0.5	162	20.2	8.1	8.1	28.2	28.3	102.5	102.5	7.9	7.9	5.6	5.6	10	10	88	88	<0.2			<0.2	0.9	0.9		
						4.3	0.5	171	20.2	8.1	8.1	28.3	28.3	101.1	101.1	7.8	7.8	6.5	6.7	10	10	89	90	<0.2			<0.2	1.1	0.9		
					4.3	0.5	174	20.2	8.1	8.1	28.3	28.3	101.0	101.0	7.7	7.7	6.5	6.7	10	10	90	90	<0.2	<0.2			0.9	0.9			
					7.5	0.4	144	20.2	8.1	8.1	28.5	28.5	100.2	100.2	7.7	7.7	7.9	7.7	11	11	91	91	<0.2	<0.2			1.0	1.0			
					7.5	0.5	150	20.2	8.0	8.1	28.5	28.5	100.2	100.2	7.7	7.7	7.9	7.7	11	11	90	90	<0.2	<0.2			1.0	1.0			
IM3	Cloudy	Moderate	11:49	8.7	Surface	1.0	0.4	103	20.2	20.2	8.1	8.1	28.1	28.1	102.2	102.2	7.8	7.8	5.7	5.7	9	9	89	89	819430	806013	<0.2	<0.2	1.0	1.0	
						1.0	0.5	108	20.2	8.1	8.1	28.1	28.1	102.1	102.1	7.8	7.8	5.8	6.8	11	11	89	90	<0.2			<0.2	1.1	1.0		
						4.4	0.4	158	20.2	8.1	8.1	28.2	28.2	101.2	101.2	7.8	7.8	6.4	6.8	10	11	90	90	<0.2			<0.2	1.0	0.9		
					4.4	0.4	160	20.2	8.1	8.1	28.2	28.2	101.2	101.2	7.8	7.8	6.5	6.8	12	12	90	90	<0.2	<0.2			0.9	0.9			
					7.7	0.3	157	20.2	8.1	8.1	28.6	28.6	100.0	100.0	7.6	7.6	8.3	7.6	12	12	91	91	<0.2	<0.2			0.9	0.9			
					7.7	0.4	167	20.2	8.1	8.1	28.6	28.6	100.0	100.0	7.6	7.6	8.3	7.6	12	12	92	92	<0.2	<0.2			1.0	1.0			
IM4	Cloudy	Moderate	11:41	8.7	Surface	1.0	0.4	115	20.3	20.3	8.1	8.1	27.7	27.7	102.8	102.8	7.9	7.9	5.5	5.5	11	11	88	88	819556	805040	<0.2	<0.2	1.1	1.1	
						1.0	0.4	117	20.3	8.1	8.1	27.7	27.7	102.8	102.8	7.9	7.9	5.6	7.3	9	10	88	89	<0.2			<0.2	1.2	1.1		
						4.4	0.4	121	20.3	8.1	8.1	28.0	28.0	101.4	101.4	7.8	7.8	6.5	7.3	8	10	89	90	<0.2			<0.2	1.1	1.2		
					4.4	0.4	126	20.3	8.1	8.1	28.0	28.0	101.4	101.4	7.8	7.8	6.5	7.3	9	10	90	90	<0.2	<0.2			1.2	1.2			
					7.7	0.3	162	20.2	8.1	8.1	28.7	28.7	100.2	100.2	7.7	7.7	9.9	7.7	11	11	91	91	<0.2	<0.2			0.8	0.8			
					7.7	0.4	167	20.2	8.1	8.1	28.7	28.7	100.3	100.3	7.7	7.7	9.6	7.7	12	12	91	91	<0.2	<0.2			0.9	0.9			
IM5	Cloudy	Moderate	11:34	7.2	Surface	1.0	0.4	127	20.3	20.3	8.1	8.1	27.5	27.5	102.5	102.5	7.9	7.9	5.5	5.5	9	9	92	93	820582	804940	<0.2	<0.2	1.3	1.2	
						1.0	0.4	132	20.3	8.1	8.1	27.5	27.5	102.5	102.5	7.9	7.9	5.5	7.5	8	11	93	94	<0.2			<0.2	1.2	1.3		
						3.6	0.4	120	20.3	8.1	8.1	27.7	27.7	101.4	101.4	7.8	7.8	6.8	7.5	8	11	93	94	<0.2			<0.2	1.3	1.2		
					3.6	0.5	130	20.3	8.1	8.1	27.7	27.7	101.4	101.4	7.8	7.8	6.9	7.5	10	11	94	94	<0.2	<0.2			1.2	1.2			
					6.2	0.4	142	20.3	8.0	8.0	28.5	28.5	100.1	100.1	7.7	7.7	10.3	7.7	14	14	94	94	<0.2	<0.2			0.9	0.9			
					6.2	0.4	156	20.3	8.0	8.0	28.5	28.5	100.1	100.1	7.7	7.7	10.2	7.7	14	14	95	95	<0.2	<0.2			1.0	1.0			
IM6	Cloudy	Moderate	11:26	7.2	Surface	1.0	0.4	137	20.3	20.3	8.1	8.1	27.9	27.9	102.2	102.2	7.8	7.8	6.4	6.4	10	10	94	93	821077	805829	<0.2	<0.2	1.1	1.0	
						1.0	0.4	149	20.3	8.1	8.1	27.9	27.9	102.2	102.2	7.8	7.8	6.4	6.4	10	10	93	93	<0.2			<0.2	1.1	1.1		
						3.6	0.3	129	20.3	8.1	8.1	28.0	28.0	101.8	101.8	7.8	7.8	7.9	9.6	16											

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

Water Quality Monitoring Results on 12 January 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	
IM9	Cloudy	Moderate	12:05	7.5	Surface	1.0	0.5	78	20.5	8.0	8.0	27.9	27.9	103.1	103.1	7.9	7.9	11.7	11.7	12	12	87	87	91	822108	808810	<0.2	<0.2	1.1	1.2			
						1.0	0.5	78	20.5	8.0	8.0	27.9	27.9	103.1	103.1	7.9	7.9	11.7	11.7	11	11	87	87	91	822108	808810	<0.2	<0.2	1.2	1.2			
					Middle	3.8	0.5	85	20.5	8.0	8.0	27.9	27.9	103.0	103.0	7.9	7.9	13.6	13.6	14	14	92	92	91	822108	808810	<0.2	<0.2	1.2	1.2			
						3.8	0.5	90	20.5	8.0	8.0	27.9	27.9	103.0	103.0	7.9	7.9	13.7	13.7	12	12	92	92	91	822108	808810	<0.2	<0.2	1.1	1.2			
					Bottom	6.5	0.5	87	20.5	8.0	8.0	28.0	28.0	103.0	103.0	7.9	7.9	18.7	18.7	14	14	94	94	91	822108	808810	<0.2	<0.2	1.2	1.2			
						6.5	0.5	92	20.5	8.0	8.0	28.0	28.0	103.0	103.0	7.9	7.9	18.7	18.7	14	14	93	93	91	822108	808810	<0.2	<0.2	1.2	1.2			
IM10	Cloudy	Moderate	12:14	8.0	Surface	1.0	0.5	94	20.6	8.0	8.0	27.4	27.4	101.4	101.4	7.8	7.8	10.0	10.0	6	6	87	87	91	822223	809842	<0.2	<0.2	1.5	1.5			
						1.0	0.5	99	20.6	8.0	8.0	27.4	27.4	101.4	101.4	7.8	7.8	10.0	10.0	7	7	87	87	91	822223	809842	<0.2	<0.2	1.6	1.6			
					Middle	4.0	0.4	97	20.6	8.0	8.0	27.5	27.5	101.2	101.2	7.7	7.7	11.6	11.6	9	9	92	92	91	822223	809842	<0.2	<0.2	1.6	1.5			
						4.0	0.4	102	20.6	8.0	8.0	27.5	27.5	101.2	101.2	7.7	7.7	11.5	11.5	8	8	92	92	91	822223	809842	<0.2	<0.2	1.5	1.5			
					Bottom	7.0	0.3	104	20.6	8.0	8.0	27.6	27.6	100.9	100.9	7.7	7.7	13.1	13.1	17	17	94	94	91	822223	809842	<0.2	<0.2	1.3	1.3			
						7.0	0.3	111	20.6	8.0	8.0	27.6	27.6	100.9	100.9	7.7	7.7	13.0	13.0	19	19	93	93	91	822223	809842	<0.2	<0.2	1.3	1.3			
IM11	Cloudy	Moderate	12:23	7.6	Surface	1.0	0.6	101	20.7	8.0	8.0	27.1	27.1	102.7	102.7	7.9	7.9	7.1	7.1	6	6	87	87	91	821503	810552	<0.2	<0.2	1.5	1.4			
						1.0	0.7	104	20.7	8.0	8.0	27.1	27.1	102.7	102.7	7.9	7.9	7.2	7.2	7	7	87	87	91	821503	810552	<0.2	<0.2	1.4	1.4			
					Middle	3.8	0.5	111	20.6	8.0	8.0	27.6	27.6	101.8	101.8	7.8	7.8	8.2	8.2	6	6	93	93	91	821503	810552	<0.2	<0.2	1.5	1.5			
						3.8	0.5	116	20.6	8.0	8.0	27.6	27.6	101.8	101.8	7.8	7.8	8.2	8.2	8	8	92	92	91	821503	810552	<0.2	<0.2	1.5	1.5			
					Bottom	6.6	0.5	118	20.6	8.0	8.0	27.8	27.8	101.0	101.0	7.7	7.7	8.9	8.9	10	10	94	94	91	821503	810552	<0.2	<0.2	1.3	1.2			
						6.6	0.5	126	20.6	8.0	8.0	27.8	27.8	101.0	101.0	7.7	7.7	8.9	8.9	12	12	94	94	91	821503	810552	<0.2	<0.2	1.2	1.2			
IM12	Cloudy	Moderate	12:31	9.0	Surface	1.0	0.6	95	20.7	8.0	8.0	26.9	26.9	103.1	103.1	7.9	7.9	6.4	6.4	6	6	88	88	92	821177	811515	<0.2	<0.2	1.6	1.6			
						1.0	0.6	101	20.7	8.0	8.0	26.9	26.9	103.1	103.1	7.9	7.9	6.4	6.4	6	6	88	88	92	821177	811515	<0.2	<0.2	1.6	1.6			
					Middle	4.5	0.5	99	20.6	8.0	8.0	27.6	27.6	101.4	101.4	7.8	7.8	8.6	8.6	7	7	93	93	92	821177	811515	<0.2	<0.2	1.7	1.5			
						4.5	0.5	106	20.6	8.0	8.0	27.6	27.6	101.4	101.4	7.8	7.8	8.6	8.6	7	7	92	92	92	821177	811515	<0.2	<0.2	1.5	1.5			
					Bottom	8.0	0.4	108	20.6	8.0	8.0	27.9	27.9	100.7	100.7	7.7	7.7	12.6	12.6	8	8	94	94	92	821177	811515	<0.2	<0.2	1.3	1.3			
						8.0	0.4	112	20.6	8.0	8.0	27.9	27.9	100.7	100.7	7.7	7.7	12.6	12.6	7	7	94	94	92	821177	811515	<0.2	<0.2	1.3	1.3			
SR2	Cloudy	Moderate	12:55	4.3	Surface	1.0	0.4	64	20.6	8.0	8.0	28.0	28.0	102.0	102.0	7.8	7.8	6.6	6.6	6	6	88	88	91	821448	814158	<0.2	<0.2	1.1	1.1			
						1.0	0.5	68	20.6	8.0	8.0	28.0	28.0	102.0	102.0	7.8	7.8	6.6	6.6	8	8	88	88	91	821448	814158	<0.2	<0.2	1.1	1.1			
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821448	814158	<0.2	<0.2	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821448	814158	<0.2	<0.2	-	-
					Bottom	3.3	0.4	74	20.6	8.0	8.0	28.0	28.0	101.6	101.6	7.8	7.8	6.6	6.6	8	8	94	94	91	821448	814158	<0.2	<0.2	1.2	1.1			
						3.3	0.4	75	20.6	8.0	8.0	28.0	28.0	101.6	101.6	7.8	7.8	6.7	6.7	8	8	94	94	91	821448	814158	<0.2	<0.2	1.1	1.1			
SR3	Cloudy	Moderate	11:48	8.2	Surface	1.0	0.5	104	20.6	8.0	8.0	26.9	26.9	103.8	103.8	8.0	8.0	11.2	11.2	11	11	-	-	-	822151	807577	-	-	-	-			
						1.0	0.5	113	20.6	8.0	8.0	26.9	26.9	103.8	103.8	8.0	8.0	11.3	11.3	11	11	-	-	-	822151	807577	-	-	-	-			
					Middle	4.1	0.5	77	20.5	8.0	8.0	27.8	27.8	103.3	103.3	7.9	7.9	14.6	14.6	16	16	-	-	-	822151	807577	-	-	-	-			
						4.1	0.5	80	20.5	8.0	8.0	27.8	27.8	103.3	103.3	7.9	7.9	14.7	14.7	15	15	-	-	-	822151	807577	-	-	-	-			
					Bottom	7.2	0.4	74	20.5	8.0	8.0	28.0	28.0	102.8	102.8	7.9	7.9	21.8	21.8	17	17	-	-	-	822151	807577	-	-	-	-			
						7.2	0.4	78	20.5	8.0	8.0	28.0	28.0	102.8	102.8	7.9	7.9	21.8	21.8	19	19	-	-	-	822151	807577	-	-	-	-			
SR4A	Cloudy	Moderate	12:43	9.7	Surface	1.0	0.4	85	20.3	8.1	8.1	28.0	28.0	100.6	100.6	7.7	7.7	6.6	6.6	11	11	-	-	-	817179	807823	-	-	-	-			
						1.0	0.4	87	20.3	8.1	8.1	28.0	28.0	100.6	100.6	7.7	7.7	6.6	6.6	13	13	-	-	-	817179	807823	-	-	-	-			
					Middle	4.9	0.4	87	20.3	8.1	8.1	28.0	28.0	100.3	100.3	7.7	7.7	6.8	6.8	12	12	-	-	-	817179	807823	-	-	-	-			
						4.9	0.4	89	20.3	8.1	8.1	28.0	28.0	100.3	100.3	7.7	7.7	6.8	6.8	12	12	-	-	-	817179	807823	-	-	-	-			
					Bottom	8.7	0.3	82	20.3	8.0	8.0	28.0	28.0	100.2	100.2	7.7	7.7	6.6	6.6	15	15	-	-	-	817179	807823	-	-	-	-			
						8.7	0.3	85	20.3	8.0	8.0	28.0	28.0	100.2	100.2	7.7	7.7	6.6	6.6	13	13	-	-	-	817179	807823	-	-	-	-			
SR5A	Cloudy	Calm	12:59	4.1	Surface	1.0	0.2	97	20.4	8.0	8.0	28.1	28.1	99.4	99.4	7.6	7.6	5.1	5.1	10	10	-	-	-	816574	810687	-	-	-	-			
						1.0	0.2	100	20.4	8.0	8.0	28.1	28.1	99.4	99.4	7.6	7.6	5.1	5.1	9	9	-	-	-	816574	810687	-	-	-	-			
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	816574	810687	-	-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	816574	810687	-	-	-	-
					Bottom	3.1	0.1	104	20.4	7.9	7.9	28.1	28.1	98.9	98.9	7.6	7.6	5.5	5.5	9	9	-	-	-	816574	810687	-	-	-	-			

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

Water Quality Monitoring Results on 14 January 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
C1	Rainy	Moderate	08:27	8.3	Surface	1.0	0.8	77	19.3	19.3	8.0	8.0	29.1	29.1	94.7	94.7	7.3	7.4	12.7	12.3	27	26	91	93	815600	804246	<0.2	<0.2	1.0	0.9		
						1.0	0.8	80	19.3		8.0	8.0	29.1	29.1	94.7	94.7	7.3		12.7		25		92				<0.2		1.0			
						4.2	0.7	85	19.3		8.0	8.0	29.0	29.0	94.8	94.8	7.4		12.4		26		93				<0.2		0.8			
					4.2	0.8	92	19.3	8.0	8.0	29.0	29.0	94.8	94.8	7.4	12.5	27	93	<0.2	0.8												
					7.3	0.8	79	19.3	8.0	8.0	29.0	29.0	95.0	95.0	7.4	11.9	26	94	<0.2	0.9												
					7.3	0.8	85	19.3	8.0	8.0	29.0	29.0	95.0	95.0	7.4	11.8	27	94	<0.2	0.8												
C2	Rainy	Moderate	10:03	12.2	Surface	1.0	0.6	293	20.0	20.0	7.9	7.9	26.5	26.5	92.5	92.5	7.2	7.2	8.4	15.2	9	11	86	91	825663	806957	<0.2	<0.2	2.0	2.0		
						1.0	0.6	310	20.0		7.9	7.9	26.5	26.5	92.5	92.5	7.2		8.4		10		86				<0.2		2.2			
						6.1	0.6	250	20.0		7.9	7.9	26.8	26.8	92.1	92.1	7.2		14.8		12		92				<0.2		2.0			
					6.1	0.6	262	20.0	7.9	7.9	26.8	26.8	92.1	92.1	7.2	15.0	12	92	<0.2	2.0												
					11.2	0.4	96	19.9	7.9	7.9	27.2	27.2	92.0	92.1	7.1	22.8	11	93	<0.2	1.8												
					11.2	0.4	97	19.9	7.9	7.9	27.2	27.2	92.1	92.1	7.2	21.9	11	94	<0.2	1.9												
C3	Rainy	Moderate	08:00	10.9	Surface	1.0	0.6	260	19.9	19.9	8.0	8.0	28.3	28.3	94.2	94.2	7.3	7.3	8.8	11.2	7	9	89	92	822103	817801	<0.2	<0.2	1.0	1.0		
						1.0	0.6	268	19.9		8.0	8.0	28.3	28.3	94.2	94.2	7.3		8.8		8		90				<0.2		1.0			
						5.5	0.6	270	19.8		8.0	8.0	28.3	28.3	94.1	94.1	7.3		11.5		9		93				<0.2		1.0			
					5.5	0.6	276	19.8	8.0	8.0	28.3	28.3	94.1	94.1	7.3	11.5	8	92	<0.2	1.0												
					9.9	0.4	264	19.8	8.0	8.0	28.3	28.3	94.0	94.0	7.3	13.3	13	94	<0.2	1.1												
					9.9	0.4	289	19.8	8.0	8.0	28.3	28.3	94.0	94.0	7.3	13.4	11	94	<0.2	1.0												
IM1	Rainy	Moderate	08:48	7.3	Surface	1.0	0.6	78	19.6	19.6	8.0	8.0	28.1	28.1	92.6	92.6	7.2	7.2	8.3	14.2	11	20	88	90	818333	806469	<0.2	<0.2	1.1	0.9		
						1.0	0.6	80	19.6		8.0	8.0	28.1	28.1	92.6	92.6	7.2		8.4		10		89				<0.2		1.0			
						3.7	0.6	113	19.6		7.9	7.9	28.2	28.3	93.1	93.2	7.2		13.4		18		90				<0.2		0.9			
					3.7	0.6	121	19.6	7.9	7.9	28.3	28.3	93.2	93.2	7.2	13.4	18	91	<0.2	0.9												
					6.3	0.6	169	19.6	7.9	7.9	28.5	28.5	95.4	95.5	7.4	20.7	33	91	<0.2	0.8												
					6.3	0.6	175	19.6	7.9	7.9	28.5	28.5	95.5	95.5	7.4	20.7	31	92	<0.2	0.8												
IM2	Rainy	Moderate	08:54	8.1	Surface	1.0	0.6	114	19.7	19.7	8.0	8.0	28.1	28.1	92.4	92.4	7.2	7.2	18.4	20.0	24	24	91	93	818859	806174	<0.2	<0.2	1.0	1.0		
						1.0	0.7	118	19.7		8.0	8.0	28.1	28.1	92.4	92.4	7.2		18.5		23		92				<0.2		1.0			
						4.1	0.6	101	19.7		7.9	7.9	28.1	28.1	92.8	92.8	7.2		20.6		25		93				<0.2		1.0			
					4.1	0.6	110	19.7	7.9	7.9	28.1	28.1	92.8	92.8	7.2	20.8	23	93	<0.2	0.9												
					7.1	0.6	99	19.7	7.9	7.9	28.1	28.1	93.5	93.5	7.3	21.0	26	93	<0.2	1.2												
					7.1	0.6	104	19.7	7.9	7.9	28.0	28.1	93.5	93.5	7.3	20.5	25	94	<0.2	1.0												
IM3	Rainy	Moderate	09:02	8.5	Surface	1.0	0.6	92	19.8	19.8	7.9	7.9	27.9	27.9	90.8	90.8	7.0	7.0	15.0	18.1	17	20	92	94	819425	806031	<0.2	<0.2	1.1	1.0		
						1.0	0.7	99	19.8		7.9	7.9	27.9	27.9	90.8	90.8	7.0		15.1		19		93				<0.2		1.0			
						4.3	0.7	101	19.8		7.9	7.9	27.9	27.9	90.8	90.8	7.0		18.2		17		94				<0.2		1.0			
					4.3	0.7	108	19.8	7.9	7.9	27.9	27.9	90.8	90.8	7.0	18.2	17	94	<0.2	1.0												
					7.5	0.6	113	19.8	7.9	7.9	27.9	27.9	90.9	90.9	7.0	21.1	24	94	<0.2	1.0												
					7.5	0.7	122	19.8	7.9	7.9	27.9	27.9	90.9	90.9	7.0	21.0	26	95	<0.2	1.1												
IM4	Rainy	Moderate	09:12	7.9	Surface	1.0	0.9	113	19.7	19.7	7.9	7.9	28.0	28.0	93.2	93.2	7.2	7.3	16.8	17.6	17	20	92	93	819571	805036	<0.2	<0.2	1.2	1.0		
						1.0	0.9	115	19.7		7.9	7.9	28.0	28.0	93.2	93.2	7.2		16.9		15		92				<0.2		1.1			
						4.0	0.9	80	19.7		7.9	7.9	28.0	28.0	93.8	93.8	7.3		17.5		20		92				<0.2		0.9			
					4.0	0.9	83	19.7	7.9	7.9	28.0	28.0	93.8	93.8	7.3	17.6	21	93	<0.2	0.9												
					6.9	0.8	119	19.7	7.9	7.9	28.0	28.0	95.4	95.4	7.4	18.3	25	93	<0.2	0.9												
					6.9	0.9	125	19.7	7.9	7.9	28.0	28.0	95.4	95.4	7.4	18.4	24	94	<0.2	1.0												
IM5	Rainy	Moderate	09:21	6.8	Surface	1.0	0.7	116	19.8	19.8	7.9	7.9	27.7	27.7	91.7	91.7	7.1	7.1	16.3	18.2	21	26	91	92	820564	804909	<0.2	<0.2	1.2	1.1		
						1.0	0.7	123	19.8		7.9	7.9	27.7	27.7	91.7	91.7	7.1		16.0		20		92				<0.2		1.2			
						3.4	0.7	105	19.8		7.9	7.9	27.7	27.7	92.0	92.1	7.1		17.0		29		92				<0.2		0.9			
					3.4	0.7	105	19.8	7.9	7.9	27.7	27.7	92.1	92.1	7.1	17.0	28	93	<0.2	1.0												
					5.8	0.7	99	19.8	7.9	7.9	27.7	27.7	92.7	92.7	7.2	21.4	31	93	<0.2	1.1												
					5.8	0.7	105	19.8	7.9	7.9	27.7	27.7	92.7	92.7	7.2	21.4	29	93	<0.2	1.2												
IM6	Rainy	Moderate	09:28	7.0	Surface	1.0	0.7	94	19.7	19.7	7.9	7.9	27.2	27.2	91.2	91.2	7.1	7.1	12.0	16.0	19	19	91	93	821058	805823	<0.2	<0.2	1.3	1.3		
						1.0	0.7	102	19.7		7.9	7.9	27.2	27.2	91.2	91.2	7.1		12.0		19		92				<0.2		1.4			
						3.5	0.6	99	19.8		7.9	7.9	27.2	27.2	91.2	91.2	7.1		16.0		18		92				<0.2		1.2			
					3.5	0.6	107	19.8	7.9	7.9	27.2	27.2	91.2	91.2	7.1	16.0	18	93	<0.2	1.1												
					6.0	0.6	101	19.8	7.9	7.9	27.3	27.3	91.9	91.9	7.1	20.0	20	94	<0.2	1.5												
					6.0	0.6	102	19.8	7.9	7.9	27.3	27.3	91.9	91.9	7.1	20.0	19	94	<0.2	1.3												
IM7	Rainy	Moderate	09:40	8.6	Surface	1.0	0.9	77	19.8	19.8	7.9	7.9	27.6	27.6	93.1	93.2	7.2	7.3	11.8	12.3	10	15	92	94	821366	806821	<0.2	<0.2	1.2	1.2		
						1.0	1.0	79	19.8		7.9	7.9	27.6	27.6	93.2	93.2	7.2		11.8		10		93				<0.2		1.2			
						4.3	0.8	84	19.8		7.9	7.9	27.6	27.6	94.0	94.1	7.3		12.0		17		93				<0.2		1.3			
					4.3	0.9	92	19.7	7.9	7.9	27.6	27.6	94.1	94.1	7.3	12.1	17	94	<0.2	1.2												
					7.6	0.8	90	19.7	7.9	7.9	28.1	28.1	96.9	97.0	7.5	13.0	18	94	<0.2	1.0												
					7.6	0.8	92	19.7	7.9	7.9	28.0	28.1	97.0	97.0	7.5	13.0	18	95	<0.2	1.2												
IM8	Rainy	Moderate	09:28	7.8	Surface	1.0	0.3	190	20.0	20.0	7.9	7.9	27.0	27.0	92.6	92.6	7.2	7.2	14.9	16.2	17	22	86	91	821706	807831	<0.2	<0.2	1.7			

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

Water Quality Monitoring Results on 14 January 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			
IM9	Rainy	Moderate	09:12	7.5	Surface	1.0	0.4	243	19.9	19.9	7.9	7.9	27.4	27.4	93.7	93.7	7.3	7.3	11.4	11.4	11	13	87	87	91	822084	808829	<0.2	<0.2	1.2	1.3				
						1.0	0.4	248	19.9	7.9	7.9	27.4	27.4	93.7	93.7	7.3	7.3	11.4	11.4	13	13	87	87												
					Middle	3.8	0.4	249	19.9	7.9	7.9	27.4	27.4	94.0	94.0	7.3	7.3	12.0	12.0	13	12	92	92												
						3.8	0.4	251	19.9	7.9	7.9	27.4	27.4	94.0	94.0	7.3	7.3	12.0	12.0	12	12	92	92												
					Bottom	6.5	0.4	254	19.9	7.9	7.9	27.5	27.5	96.3	96.3	7.5	7.5	14.0	14.0	14	14	94	94												
						6.5	0.4	271	19.9	7.9	7.9	27.5	27.5	96.3	96.3	7.5	7.5	14.0	14.0	15	15	94	94												
IM10	Rainy	Moderate	09:03	7.2	Surface	1.0	0.6	296	19.9	19.9	8.0	8.0	27.8	27.8	94.0	94.0	7.3	7.3	16.2	16.2	16	16	88	87	91	822259	809854	<0.2	<0.2	1.1	1.0				
						1.0	0.6	307	19.9	8.0	8.0	27.8	27.8	94.0	94.0	7.3	7.3	16.3	16.3	16	16	87	87												
					Middle	3.6	0.5	297	19.9	8.0	8.0	27.8	27.8	93.7	93.7	7.3	7.3	19.0	19.0	14	14	92	92												
						3.6	0.5	326	19.9	8.0	8.0	27.8	27.8	93.7	93.7	7.3	7.3	19.1	19.1	16	16	92	92												
					Bottom	6.2	0.4	271	19.9	8.0	8.0	27.9	27.9	93.5	93.5	7.2	7.2	22.7	22.7	18	18	94	94												
						6.2	0.5	280	19.9	8.0	8.0	27.9	27.9	93.5	93.5	7.2	7.2	22.7	22.7	19	19	93	93												
IM11	Rainy	Moderate	08:56	8.1	Surface	1.0	0.5	269	19.9	19.9	8.0	8.0	27.8	27.8	93.9	93.9	7.3	7.3	15.9	15.9	14	15	88	88	91	821513	810553	<0.2	<0.2	1.0	1.1				
						1.0	0.5	279	19.9	8.0	8.0	27.8	27.8	93.9	93.9	7.3	7.3	15.9	15.9	15	15	88	88												
					Middle	4.1	0.5	283	19.9	8.0	8.0	27.8	27.8	93.7	93.7	7.3	7.3	19.5	19.5	15	15	92	92												
						4.1	0.6	292	19.9	8.0	8.0	27.8	27.8	93.7	93.7	7.3	7.3	19.5	19.5	17	17	92	92												
					Bottom	7.1	0.5	281	19.9	8.0	8.0	27.8	27.8	93.6	93.6	7.2	7.2	20.1	20.1	16	16	94	94												
						7.1	0.6	281	19.9	8.0	8.0	27.8	27.8	93.6	93.6	7.2	7.2	20.1	20.1	18	18	94	94												
IM12	Rainy	Moderate	08:46	8.5	Surface	1.0	0.6	271	19.9	19.9	8.0	8.0	27.8	27.8	93.9	93.9	7.3	7.3	15.1	15.1	18	17	89	89	92	821145	811507	<0.2	<0.2	1.1	1.1				
						1.0	0.6	274	19.9	8.0	8.0	27.8	27.8	93.9	93.9	7.3	7.3	15.1	15.1	17	17	89	89												
					Middle	4.3	0.5	268	19.9	8.0	8.0	27.8	27.8	93.7	93.7	7.3	7.3	20.1	20.1	17	17	93	92												
						4.3	0.6	293	19.9	8.0	8.0	27.8	27.8	93.7	93.7	7.3	7.3	20.1	20.1	18	18	92	92												
					Bottom	7.5	0.5	273	19.9	8.0	8.0	27.8	27.8	93.8	93.8	7.3	7.3	23.3	23.3	18	18	94	94												
						7.5	0.5	280	19.9	8.0	8.0	27.8	27.8	93.8	93.8	7.3	7.3	23.3	23.3	18	18	94	94												
SR2	Rainy	Moderate	08:22	4.0	Surface	1.0	0.2	113	19.8	19.8	8.0	8.0	28.1	28.1	93.2	93.3	7.2	7.2	18.8	18.9	18	18	89	89	92	821456	814177	<0.2	<0.2	1.0	1.1				
						1.0	0.3	114	19.8	8.0	8.0	28.1	28.1	93.3	93.3	7.2	7.2	18.9	18.9	18	18	89	89												
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	3.0	0.2	119	19.8	8.0	8.0	28.1	28.1	93.7	93.9	7.2	7.3	23.9	22.6	20	21	94	94												
						3.0	0.2	121	19.8	8.0	8.0	28.1	28.1	94.0	93.9	7.3	7.3	22.6	22.6	21	21	94	94												
SR3	Rainy	Moderate	09:34	8.7	Surface	1.0	0.5	140	20.1	20.1	7.9	7.9	26.9	26.9	92.7	92.7	7.2	7.2	13.3	13.3	11	11	-	-	-	822139	807590	-	-	-	-				
						1.0	0.6	151	20.1	7.9	7.9	26.9	26.9	92.7	92.7	7.2	7.2	13.3	13.3	11	11	-	-												
					Middle	4.4	0.5	199	20.0	7.9	7.9	26.9	26.9	93.0	93.0	7.2	7.2	12.3	12.3	10	10	-	-												
						4.4	0.6	211	20.0	7.9	7.9	26.9	26.9	93.0	93.0	7.2	7.2	12.3	12.3	12	12	-	-												
					Bottom	7.7	0.5	175	20.0	7.9	7.9	26.9	26.9	96.2	96.2	7.5	7.5	12.1	12.1	11	11	-	-												
						7.7	0.6	185	20.0	7.9	7.9	26.9	26.9	96.2	96.2	7.5	7.5	12.1	12.1	11	11	-	-												
SR4A	Rainy	Rough	08:02	8.6	Surface	1.0	0.3	180	19.4	19.4	7.9	7.9	28.1	28.1	90.5	90.5	7.0	7.1	8.9	8.9	14	14	-	-	-	817182	807804	-	-	-	-				
						1.0	0.3	184	19.4	7.9	7.9	28.1	28.1	90.5	90.5	7.0	7.1	8.9	8.9	14	14	-	-												
					Middle	4.3	0.3	170	19.4	7.9	7.9	28.1	28.1	91.6	91.6	7.1	7.1	9.5	9.5	14	15	-	-												
						4.3	0.3	184	19.4	7.9	7.9	28.1	28.1	91.6	91.6	7.1	7.1	9.5	9.5	15	15	-	-												
					Bottom	7.6	0.2	192	19.3	7.8	7.8	28.1	28.1	95.7	95.8	7.5	7.5	10.2	10.2	13	13	-	-												
						7.6	0.2	208	19.3	7.8	7.8	28.1	28.1	95.8	95.8	7.5	7.5	10.2	10.2	15	15	-	-												
SR5A	Rainy	Moderate	07:46	3.8	Surface	1.0	0.2	274	19.5	19.5	7.8	7.8	27.9	27.9	92.6	92.7	7.2	7.2	7.7	7.7	14	14	-	-	-	816583	810701	-	-	-	-				
						1.0	0.2	275	19.5	7.8	7.8	27.9	27.9	92.7	92.7	7.2	7.2	7.7	7.7	14	14	-	-												
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	2.8	0.2	281	19.4	7.6	7.6	27.9	27.9	96.5	96.5	7.5	7.5	7.5	7.5	14	14	-	-												
						2.8	0.2	287	19.4	7.6	7.6	27.9	27.9	96.5	96.5	7.5	7.5	7.6	7.6	13	13	-	-												
SR6	Rainy	Moderate	07:23	3.8	Surface	1.0	0.1	201	19.8	19.8	7.8	7.8	26.9	26.9	92.6	92.7	7.2	7.2	5.3	5.4	12	14	-	-	-	817889	814649	-	-	-	-				
						1.0	0.1	216	19.8	7.8	7.8	26.9	26.9	92.7	92.7	7.2	7.2	5.4	5.4	14	14	-	-												
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
					Bottom	2.8	0.1	211	19.8	7.6	7.6	25.6	25.6	99.3	99.4	7.8	7.8	5.8	5.8	12	12	-	-												
						2.8	0.1	224	19.8	7.6	7.6	25.6	25.6	99.5	99.4	7.8	7.8	5.8	5.8	13	13	-	-												
SR7	Rainy	Moderate	07:27	16.2	Surface	1.0	0.3	289	20.1	20.1	8.0	8.0	28.8	28.8	91.5	91.5	7.0	7.0	10.2	10.2	8	8	-	-	-	823643	823745	-	-	-	-				
						1.0	0.3	315	20.1	8.0	8.0	28.8	28.8	91.5	91.5	7.0	7.0	10.2	10.2	8	8	-	-												
					Middle	8.1	0.3	291	20.1	8.0	8.0	28.8	28.8	91.3	91.3	7.0	7.0	12.2	12.2	10	10	-	-												
						8.1	0.3	304	20.1	8.0	8.0	28.8	28.8	91.3	91.3	7.0	7.0	12.2	12.2	10	10	-	-												
					Bottom	15.2	0.2	255	20.1	8.0	8.0	28.8	28.8	93																					

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

Water Quality Monitoring Results on 14 January 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	13:50	8.5	Surface	1.0	0.6	193	19.4	19.4	8.0	8.0	30.1	30.1	97.1	97.1	7.5	7.5	8.5	8.5	13	13	92	92	815613	804237	<0.2	<0.2	0.3	0.3								
						1.0	0.6	193	19.4	8.0	8.0	30.1	30.1	97.1	97.1	7.5	7.5	8.6	8.6	12	12	93	93															
					Middle	4.3	0.6	178	19.4	19.4	8.0	8.0	30.1	30.1	98.2	98.3	7.5	7.5	9.5	9.5	9.3	9.3	14	14							94	94	<0.2	<0.2	0.3	0.3		
						4.3	0.6	181	19.4	19.4	8.0	8.0	30.1	30.1	98.3	98.3	7.6	7.6	9.5	9.5	9.3	9.3	12	12							93	93	<0.2	<0.2	0.3	0.3		
					Bottom	7.5	0.5	188	19.4	19.4	7.9	7.9	30.1	30.1	100.7	100.7	7.7	7.7	9.9	9.9	7.8	7.8	9.9	9.9							16	16	94	94	<0.2	<0.2	0.2	0.2
						7.5	0.5	199	19.4	19.4	7.9	7.9	30.1	30.1	100.7	100.7	7.7	7.7	9.8	9.8	7.8	7.8	9.8	9.8							17	17	95	95	<0.2	<0.2	0.3	0.3
C2	Cloudy	Moderate	12:47	12.4	Surface	1.0	0.2	136	19.9	19.9	7.9	7.9	26.8	26.8	92.1	92.1	7.2	7.2	12.0	12.0	11	11	85	85	825681	806944	<0.2	<0.2	1.6	1.7								
						1.0	0.3	143	19.9	19.9	7.9	7.9	26.8	26.8	92.1	92.1	7.2	7.2	12.0	12.0	7.2	7.2	11	11							86	86						
					Middle	6.2	0.2	105	20.0	20.0	7.9	7.9	26.9	26.9	92.0	92.0	7.1	7.1	13.2	13.2	13.3	13.3	12	12							92	92	<0.2	<0.2	2.0	2.0		
						6.2	0.3	114	20.0	20.0	7.9	7.9	26.9	26.9	92.0	92.0	7.1	7.1	13.2	13.2	13.3	13.3	11	11							92	92	<0.2	<0.2	1.8	1.8		
					Bottom	11.4	0.2	207	19.9	19.9	7.9	7.9	27.3	27.3	92.6	92.6	7.2	7.2	14.8	14.8	7.2	7.2	14.8	14.8							14	14	93	93	<0.2	<0.2	1.5	1.5
						11.4	0.3	208	19.9	19.9	7.9	7.9	27.3	27.3	92.6	92.6	7.2	7.2	14.8	14.8	7.2	7.2	14.8	14.8							12	12	93	93	<0.2	<0.2	1.5	1.5
C3	Cloudy	Moderate	14:42	12.2	Surface	1.0	0.5	97	20.0	20.0	7.9	7.9	28.9	28.9	91.1	91.1	7.0	7.0	6.6	6.6	6	6	89	89	822127	817821	<0.2	<0.2	0.9	0.9								
						1.0	0.5	105	20.0	20.0	7.9	7.9	28.9	28.9	91.0	91.0	7.0	7.0	6.8	6.8	7	7	89	89														
					Middle	6.1	0.5	89	20.0	20.0	7.9	7.9	29.0	29.0	90.7	90.7	7.0	7.0	9.7	9.7	9.9	9.9	6	6							93	93	<0.2	<0.2	1.0	1.0		
						6.1	0.5	90	20.0	20.0	7.9	7.9	29.0	29.0	90.7	90.7	7.0	7.0	9.7	9.7	9.9	9.9	7	7							93	93	<0.2	<0.2	1.0	1.0		
					Bottom	11.2	0.4	97	20.0	20.0	7.9	7.9	29.0	29.0	90.8	90.8	7.0	7.0	13.3	13.3	7.0	7.0	13.3	13.3							7	7	95	95	<0.2	<0.2	0.9	0.9
						11.2	0.5	101	20.0	20.0	7.9	7.9	29.0	29.0	90.8	90.8	7.0	7.0	13.3	13.3	7.0	7.0	13.3	13.3							7	7	94	94	<0.2	<0.2	0.9	0.9
IM1	Cloudy	Moderate	13:30	7.6	Surface	1.0	0.3	178	19.4	19.4	8.0	8.0	28.5	28.6	96.3	96.4	7.5	7.5	8.4	8.4	11	11	90	90	818337	806442	<0.2	<0.2	0.9	0.8								
						1.0	0.3	190	19.4	19.4	8.0	8.0	28.6	28.6	96.4	96.4	7.5	7.5	8.4	8.4	12	12	90	90														
					Middle	3.8	0.3	140	19.3	19.3	8.0	8.0	29.1	29.2	98.1	98.1	7.6	7.6	12.0	12.0	10.9	10.9	19	19							91	91	<0.2	<0.2	0.6	0.6		
						3.8	0.3	150	19.3	19.3	8.0	8.0	29.2	29.2	98.1	98.1	7.6	7.6	12.2	12.2	10.9	10.9	19	19							91	91	<0.2	<0.2	0.7	0.7		
					Bottom	6.6	0.4	126	19.3	19.3	7.9	7.9	29.3	29.3	99.9	100.0	7.7	7.7	12.3	12.3	7.8	7.8	12.3	12.3							24	24	92	92	<0.2	<0.2	0.7	0.7
						6.6	0.4	130	19.3	19.3	7.9	7.9	29.3	29.3	100.0	100.0	7.8	7.8	12.1	12.1	7.8	7.8	12.1	12.1							25	25	93	93	<0.2	<0.2	0.7	0.7
IM2	Cloudy	Moderate	13:23	8.6	Surface	1.0	0.5	201	19.4	19.4	8.0	8.0	28.6	28.6	96.1	96.1	7.5	7.5	7.7	7.7	9	9	93	93	818860	806177	<0.2	<0.2	0.9	0.7								
						1.0	0.5	217	19.4	19.4	8.0	8.0	28.6	28.6	96.1	96.1	7.5	7.5	7.8	7.8	10	10	92	92														
					Middle	4.3	0.5	144	19.3	19.3	8.0	8.0	29.1	29.1	97.7	97.8	7.6	7.6	10.7	10.7	10.0	10.0	10	10							93	93	<0.2	<0.2	0.8	0.8		
						4.3	0.5	144	19.3	19.3	8.0	8.0	29.1	29.1	97.8	97.8	7.6	7.6	10.8	10.8	10.0	10.0	10	10							93	93	<0.2	<0.2	0.6	0.6		
					Bottom	7.6	0.5	136	19.3	19.3	7.9	7.9	29.3	29.3	100.3	100.4	7.8	7.8	11.6	11.6	7.8	7.8	11.6	11.6							23	23	94	94	<0.2	<0.2	0.6	0.6
						7.6	0.5	142	19.3	19.3	7.9	7.9	29.3	29.3	100.4	100.4	7.8	7.8	11.4	11.4	7.8	7.8	11.4	11.4							23	23	94	94	<0.2	<0.2	0.5	0.5
IM3	Cloudy	Moderate	13:16	8.9	Surface	1.0	0.4	142	19.3	19.3	8.0	8.0	29.2	29.2	96.9	97.0	7.5	7.5	13.6	13.6	20	20	90	90	819416	806033	<0.2	<0.2	0.6	0.6								
						1.0	0.5	149	19.3	19.3	8.0	8.0	29.2	29.2	97.0	97.0	7.5	7.5	13.8	13.8	20	20	90	90														
					Middle	4.5	0.4	133	19.3	19.3	8.0	8.0	29.2	29.2	98.1	98.2	7.6	7.6	15.5	15.5	15.7	15.7	18	18							92	92	<0.2	<0.2	0.5	0.5		
						4.5	0.4	141	19.3	19.3	8.0	8.0	29.2	29.2	98.2	98.2	7.6	7.6	15.7	15.7	15.7	15.7	20	20							91	91	<0.2	<0.2	0.5	0.5		
					Bottom	7.9	0.4	149	19.3	19.3	7.9	7.9	29.2	29.2	100.3	100.3	7.8	7.8	17.6	17.6	7.8	7.8	17.6	17.6							28	28	92	92	<0.2	<0.2	0.7	0.7
						7.9	0.5	150	19.3	19.3	7.9	7.9	29.2	29.2	100.3	100.3	7.8	7.8	17.7	17.7	7.8	7.8	17.7	17.7							30	30	92	92	<0.2	<0.2	0.6	0.6
IM4	Cloudy	Moderate	13:10	8.3	Surface	1.0	0.5	133	19.3	19.3	8.0	8.0	28.7	28.7	96.4	96.4	7.5	7.5	12.8	12.8	14	14	90	90	819564	805034	<0.2	<0.2	0.8	0.7								
						1.0	0.5	137	19.3	19.3	8.0	8.0	28.7	28.7	96.4	96.4	7.5	7.5	12.9	12.9	15.5	15.5	14	14							89	89						
					Middle	4.2	0.5	145	19.4	19.4	8.0	8.0	29.0	29.0	97.5	97.6	7.6	7.6	16.8	16.8	15.5	15.5	18	18							92	92	<0.2	<0.2	0.8	0.8		
						4.2	0.5	157	19.4	19.4	8.0	8.0	29.0	29.0	97.6	97.6	7.6	7.6	17.0	17.0	15.5	15.5	18	18							93	93	<0.2	<0.2	0.7	0.7		
					Bottom	7.3	0.5	142	19.4	19.4	7.9	7.9	29.2	29.2	100.3	100.3	7.8	7.8	17.0	17.0	7.8	7.8	17.0	17.0							25	25	93	93	<0.2	<0.2	0.6	0.6
						7.3	0.6	143	19.4	19.4	7.9	7.9	29.2	29.2	100.3	100.3	7.8	7.8	16.5	16.5	7.8	7.8	16.5	16.5							25	25	93	93	<0.2	<0.2	0.6	0.6
IM5	Cloudy	Moderate	13:02	7.1	Surface	1.0	0.5	135	19.3	19.3	8.0	8.0	28.4	28.5	97.2	97.2	7.6	7.6	8.6	8.6	9	9	89	89	820555	804921	<0.2	<0.2	0.8	0.8								
						1.0	0.5	137	19.3	19.3	8.0	8.0	28.5	28.5	97.2	97.2	7.6	7.6	8.7	8.7	11.6	11.6	9	9							90	90						
					Middle	3.6	0.5	124	19.3	19.3	7.9	7.9	28.6	28.6	98.5	98.6	7.7	7.7	12.2	12.2	11.6	11.6	12	12							90	90	<0.2	<0.2	0.8	0.8		
						3.6	0.5	135	19.3	19.3	7.9	7.9	28.6	28.6	98.6	98.6	7.7	7.7	12.4	12.4	11.6	11.6	13</															

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

Water Quality Monitoring Results on 14 January 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	Cloudy	Moderate	13:35	7.4	Surface	1.0	0.4	92	19.7	19.7	8.0	8.0	28.4	28.4	94.9	94.9	7.3	7.3	12.2	12.2	11	13	83	90	822107	808792	<0.2	<0.2	1.0	1.0			
						1.0	0.5	94	19.7	8.0	8.0	28.4	28.4	94.9	94.9	7.3	7.3	12.2	12.2	12	13	86	92										
					Middle	3.7	0.4	89	19.7	8.0	8.0	28.4	28.4	94.7	94.7	7.3	7.3	15.4	15.4	16.0	13	13	92	92									
						3.7	0.4	97	19.7	8.0	8.0	28.4	28.4	94.7	94.7	7.3	7.3	15.4	15.4	16.0	13	13	92	92									
					Bottom	6.4	0.4	92	19.7	8.0	8.0	28.4	28.4	94.6	94.6	7.3	7.3	20.5	20.5	16.0	14	13	93	93									
						6.4	0.4	92	19.7	8.0	8.0	28.4	28.4	94.6	94.6	7.3	7.3	20.5	20.5	16.0	13	13	93	93									
IM10	Cloudy	Moderate	13:43	7.9	Surface	1.0	0.5	98	19.8	19.8	8.0	8.0	28.1	28.1	94.3	94.3	7.3	7.3	12.7	12.7	13	14	87	91	822226	809836	<0.2	<0.2	1.1	1.0			
						1.0	0.5	105	19.8	8.0	8.0	28.1	28.1	94.3	94.3	7.3	7.3	12.7	12.7	14	16	87	92										
					Middle	4.0	0.4	105	19.8	8.0	8.0	28.1	28.1	94.7	94.8	7.3	7.3	16.4	16.5	15.7	16	15	92	92									
						4.0	0.4	112	19.8	8.0	8.0	28.1	28.1	94.8	94.8	7.3	7.3	16.5	16.5	15.7	16	15	92	92									
					Bottom	6.9	0.4	113	19.8	7.9	7.9	28.1	28.1	96.5	96.5	7.5	7.5	18.0	18.0	15.7	15	15	94	94									
						6.9	0.4	123	19.8	7.9	7.9	28.1	28.1	96.5	96.5	7.5	7.5	18.0	18.0	15.7	17	15	93	93									
IM11	Cloudy	Moderate	13:52	8.3	Surface	1.0	0.5	100	19.8	19.8	7.9	7.9	27.8	27.8	95.1	95.1	7.4	7.4	10.3	10.3	7	6	88	91	821513	810559	<0.2	<0.2	1.3	1.2			
						1.0	0.5	105	19.8	7.9	7.9	27.8	27.8	95.1	95.1	7.4	7.4	10.3	10.3	11.0	9	8	87	93									
					Middle	4.2	0.5	100	19.7	7.9	7.9	27.9	27.9	95.4	95.4	7.4	7.4	10.5	10.5	11.0	9	8	93	92									
						4.2	0.5	106	19.7	7.9	7.9	27.9	27.9	95.4	95.4	7.4	7.4	10.5	10.5	11.0	10	8	92	92									
					Bottom	7.3	0.4	109	19.7	7.9	7.9	28.2	28.2	97.3	97.3	7.5	7.5	12.1	12.1	11.0	8	9	94	94									
						7.3	0.4	109	19.7	7.9	7.9	28.2	28.2	97.3	97.3	7.5	7.5	12.1	12.1	11.0	9	9	93	93									
IM12	Cloudy	Moderate	13:59	8.7	Surface	1.0	0.5	96	19.8	19.8	8.0	8.0	28.0	28.0	94.8	94.8	7.3	7.3	9.6	9.6	10	10	89	92	821153	811536	<0.2	<0.2	1.1	1.1			
						1.0	0.5	100	19.8	8.0	8.0	28.0	28.0	94.8	94.8	7.3	7.3	9.6	9.6	9.9	10	11	89	93									
					Middle	4.4	0.4	99	19.8	8.0	8.0	28.2	28.2	94.9	94.9	7.3	7.3	10.0	10.0	9.9	10	11	93	92									
						4.4	0.4	101	19.8	8.0	8.0	28.2	28.2	94.9	94.9	7.3	7.3	10.0	10.0	9.9	12	11	92	92									
					Bottom	7.7	0.3	116	19.8	7.9	7.9	28.3	28.3	96.3	96.3	7.5	7.5	10.2	10.2	9.9	12	11	94	94									
						7.7	0.3	120	19.8	7.9	7.9	28.3	28.3	96.3	96.3	7.5	7.5	10.2	10.2	9.9	11	11	94	94									
SR2	Cloudy	Moderate	14:22	4.7	Surface	1.0	0.3	104	19.9	19.9	7.9	7.9	28.4	28.4	92.5	92.5	7.1	7.1	9.8	9.8	7	8	89	92	821458	814160	<0.2	<0.2	1.3	1.2			
						1.0	0.3	105	19.9	7.9	7.9	28.4	28.4	92.5	92.5	7.1	7.1	9.8	9.8	10.3	8	7	89	89									
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.3	108	19.9	7.9	7.9	28.4	28.4	92.6	92.6	7.1	7.1	10.7	10.7	10.3	7	7	94	94									
						3.7	0.3	111	19.9	7.9	7.9	28.4	28.4	92.6	92.6	7.1	7.1	10.7	10.7	10.3	7	7	94	94									
SR3	Cloudy	Moderate	13:20	8.8	Surface	1.0	0.4	108	19.6	19.6	8.0	8.0	28.4	28.4	95.9	95.9	7.4	7.4	13.0	13.1	15	14	-	-	822128	807564	-	-	-	-			
						1.0	0.4	113	19.6	8.0	8.0	28.4	28.4	95.9	95.9	7.4	7.4	13.1	13.1	17.4	14	16	-	-									
					Middle	4.4	0.4	83	19.6	8.0	8.0	28.7	28.7	95.5	95.5	7.4	7.4	18.8	18.8	17.4	15	16	-	-	-	-	-	-	-	-	-		
						4.4	0.5	87	19.6	8.0	8.0	28.7	28.7	95.5	95.5	7.4	7.4	18.8	18.8	17.4	16	16	-	-	-	-	-	-	-	-	-		
					Bottom	7.8	0.4	85	19.6	8.0	8.0	28.7	28.7	95.6	95.6	7.4	7.4	20.4	20.4	17.4	17	17	-	-	-	-	-	-	-	-	-	-	
						7.8	0.4	89	19.6	8.0	8.0	28.7	28.7	95.6	95.6	7.4	7.4	20.4	20.4	17.4	19	17	-	-	-	-	-	-	-	-	-	-	
SR4A	Cloudy	Moderate	14:12	8.8	Surface	1.0	0.4	86	19.4	19.4	8.0	8.0	28.7	28.7	95.5	95.5	7.4	7.4	11.2	11.3	13	14	-	-	817203	807799	-	-	-	-			
						1.0	0.4	93	19.4	8.0	8.0	28.7	28.7	95.5	95.5	7.4	7.4	11.3	11.3	11.5	14	16	-	-									
					Middle	4.4	0.3	95	19.3	8.0	8.0	28.8	28.8	97.5	97.6	7.6	7.6	11.7	11.7	11.5	17	16	-	-	-	-	-	-	-	-	-		
						4.4	0.4	100	19.3	8.0	8.0	28.8	28.8	97.6	97.6	7.6	7.6	11.7	11.7	11.5	17	16	-	-	-	-	-	-	-	-	-		
					Bottom	7.8	0.3	103	19.3	7.9	7.9	28.8	28.8	100.0	100.1	7.8	7.8	11.6	11.6	11.5	18	16	-	-	-	-	-	-	-	-	-	-	
						7.8	0.3	110	19.3	7.9	7.9	28.8	28.8	100.1	100.1	7.8	7.8	11.6	11.6	11.5	17	16	-	-	-	-	-	-	-	-	-	-	
SR5A	Cloudy	Moderate	14:27	4.6	Surface	1.0	0.2	173	19.4	19.4	7.9	7.9	28.1	28.1	96.6	96.7	7.5	7.5	10.2	10.4	6	6	-	-	816599	810703	-	-	-	-			
						1.0	0.2	180	19.4	7.9	7.9	28.1	28.1	96.7	96.7	7.5	7.5	10.4	10.4	10.6	6	8	-	-									
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.6	0.2	136	19.3	7.8	7.8	28.1	28.1	100.0	100.1	7.8	7.8	10.8	10.8	10.6	10	8	-	-	-	-	-	-	-	-	-	-	
						3.6	0.2	138	19.3	7.8	7.8	28.1	28.1	100.1	100.1	7.8	7.8	10.8	10.9	10.6	8	8	-	-	-	-	-	-	-	-	-	-	
SR6	Cloudy	Moderate	14:50	4.5	Surface	1.0	0.1	133	19.6	19.6	7.8	7.8	27.9	27.9	96.3	96.2	7.5	7.5	4.3	4.3	18	18	-	-	817890	814675	-	-	-	-			
						1.0	0.1	133	19.6	7.8	7.8	27.9	27.9	96.3	96.2	7.5	7.5	4.3	4.3	4.4	18	17	-	-									
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.5	0.1	152	19.5	7.7	7.7	28.0	28.0	99.9	99.9	7.8	7.8	4.4	4.4	4.4	16	16	-	-	-	-	-	-	-	-	-	-	
						3.5	0.1	159	19.5	7.7	7.7	28.0	28.0	99.9	99.9	7.8	7.8	4.4	4.4	4.4	16	16	-	-	-	-	-	-	-	-	-	-	
SR7	Cloudy	Moderate	15:10	16.2	Surface	1.0	0.5	88	20.0	20.0	7.9	7.9	29.1	29.1	90.7	90.7	7.0	7.0	6.0	6.1	5	6	-	-	823631	823751	-						

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

Water Quality Monitoring Results on 17 January 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
C1	Cloudy	Moderate	10:22	8.3	Surface	1.0	0.6	88	18.8	8.0	8.0	29.6	29.6	92.6	92.6	7.2	7.2	18.0	18.0	15	17	92	93	93	815630	804242	<0.2	<0.2	0.8	0.8		
						1.0	0.6	95	18.8	8.0	8.0	29.6	29.6	92.6	92.6	7.2	7.2	18.0	18.0	14	17	93	93	93	815630	804242	<0.2	<0.2	0.8	0.8		
					Middle	4.2	0.5	82	18.8	8.0	8.0	29.6	29.6	92.7	92.7	7.2	7.2	19.0	19.3	16	17	93	93	93	815630	804242	<0.2	<0.2	1.0	0.9		
						4.2	0.5	87	18.8	8.0	8.0	29.6	29.6	92.7	92.7	7.2	7.2	19.0	19.3	15	17	93	93	93	815630	804242	<0.2	<0.2	1.0	0.9		
					Bottom	7.3	0.6	90	18.8	7.9	7.9	29.6	29.6	93.1	93.2	7.3	7.3	21.0	21.0	22	19.3	17	94	94	94	815630	804242	<0.2	<0.2	0.9	1.0	
						7.3	0.6	96	18.8	7.9	7.9	29.6	29.6	93.2	93.2	7.3	7.3	21.0	21.0	22	19.3	17	95	95	95	815630	804242	<0.2	<0.2	1.0	1.0	
C2	Cloudy	Moderate	12:15	12.6	Surface	1.0	0.5	220	19.4	7.9	7.9	27.1	27.1	89.0	89.0	7.0	7.0	8.8	12.8	5	11	87	86	92	825675	806931	<0.2	<0.2	1.9	1.8		
						1.0	0.5	221	19.4	7.9	7.9	27.1	27.1	89.0	89.0	7.0	7.0	8.9	12.8	5	11	86	86	92	825675	806931	<0.2	<0.2	2.0	1.8		
					Middle	6.3	0.4	195	19.4	7.9	7.9	27.4	27.4	88.4	88.4	6.9	6.9	13.9	12.8	13	11	94	94	94	825675	806931	<0.2	<0.2	1.9	1.7		
						6.3	0.4	200	19.4	7.9	7.9	27.4	27.4	88.4	88.4	6.9	6.9	13.9	12.8	12	11	94	94	94	825675	806931	<0.2	<0.2	1.7	1.7		
					Bottom	11.6	0.4	215	19.4	7.9	7.9	27.4	27.4	89.0	89.0	7.0	7.0	15.5	14.0	14	11	95	95	95	825675	806931	<0.2	<0.2	1.7	1.6		
						11.6	0.4	232	19.4	7.9	7.9	27.4	27.4	89.0	89.0	7.0	7.0	15.5	14.0	15	11	95	95	95	825675	806931	<0.2	<0.2	1.6	1.6		
C3	Cloudy	Moderate	10:00	12.0	Surface	1.0	0.6	272	19.3	7.9	7.9	28.9	28.9	90.3	90.3	7.0	7.0	7.4	14.5	5	9	92	92	93	822092	817807	<0.2	<0.2	0.8	0.9		
						1.0	0.6	279	19.3	7.9	7.9	28.9	28.9	90.3	90.3	7.0	7.0	7.4	14.5	5	9	92	92	93	822092	817807	<0.2	<0.2	0.9	0.8		
					Middle	6.0	0.6	281	19.3	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	11.5	14.5	8	9	93	93	93	822092	817807	<0.2	<0.2	0.8	0.8		
						6.0	0.6	283	19.3	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	11.5	14.5	9	9	93	93	93	822092	817807	<0.2	<0.2	0.8	0.8		
					Bottom	11.0	0.4	283	19.3	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	24.7	14.0	15	9	94	94	94	822092	817807	<0.2	<0.2	1.0	1.1		
						11.0	0.5	284	19.3	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	24.7	14.0	13	9	94	94	94	822092	817807	<0.2	<0.2	1.1	1.1		
IM1	Cloudy	Moderate	10:42	7.5	Surface	1.0	0.5	130	18.9	7.9	7.9	28.0	28.0	93.1	93.1	7.3	7.4	11.1	12.9	15	16	90	90	91	818356	806473	<0.2	<0.2	0.8	0.8		
						1.0	0.5	131	18.9	7.9	7.9	28.0	28.0	93.1	93.1	7.3	7.4	11.3	12.9	16	16	90	90	91	818356	806473	<0.2	<0.2	0.8	0.8		
					Middle	3.8	0.5	129	18.9	7.9	7.9	27.8	27.8	93.7	93.7	7.4	7.4	13.4	12.9	15	16	90	91	91	818356	806473	<0.2	<0.2	0.8	0.7		
						3.8	0.5	135	18.9	7.9	7.9	27.8	27.8	93.7	93.7	7.4	7.4	13.4	12.9	16	16	91	91	91	818356	806473	<0.2	<0.2	0.7	0.8		
					Bottom	6.5	0.4	104	18.9	7.8	7.8	27.1	27.1	95.7	95.8	7.6	7.6	14.0	14.0	18	16	92	92	92	818356	806473	<0.2	<0.2	0.8	0.7		
						6.5	0.4	110	18.9	7.8	7.8	27.0	27.1	95.8	95.8	7.6	7.6	14.0	14.0	18	16	92	92	92	818356	806473	<0.2	<0.2	0.7	0.7		
IM2	Cloudy	Moderate	10:51	8.5	Surface	1.0	0.5	90	18.9	7.9	7.9	28.2	28.2	92.7	92.7	7.3	7.3	12.2	12.7	22	24	91	92	93	818843	806176	<0.2	<0.2	0.8	0.8		
						1.0	0.5	96	18.9	7.9	7.9	28.2	28.2	92.7	92.7	7.3	7.3	12.3	12.7	22	24	92	92	93	818843	806176	<0.2	<0.2	0.8	0.8		
					Middle	4.3	0.5	69	18.9	7.9	7.9	28.1	28.1	93.2	93.2	7.3	7.3	13.4	12.7	26	24	92	93	93	818843	806176	<0.2	<0.2	0.8	0.8		
						4.3	0.5	69	18.9	7.9	7.9	28.1	28.1	93.2	93.2	7.3	7.3	13.4	12.7	24	24	93	93	93	818843	806176	<0.2	<0.2	0.8	0.8		
					Bottom	7.5	0.5	73	18.9	7.9	7.9	27.6	27.6	94.9	95.0	7.5	7.5	12.6	12.5	25	24	94	94	94	818843	806176	<0.2	<0.2	0.8	0.8		
						7.5	0.5	74	18.9	7.9	7.9	27.6	27.6	95.0	95.0	7.5	7.5	12.5	12.5	26	24	93	93	93	818843	806176	<0.2	<0.2	0.8	0.8		
IM3	Cloudy	Moderate	10:59	8.6	Surface	1.0	0.6	110	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	17.8	18.5	27	29	89	89	90	819407	806030	<0.2	<0.2	0.9	0.8		
						1.0	0.6	113	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	18.1	18.5	27	29	89	89	90	819407	806030	<0.2	<0.2	0.8	0.8		
					Middle	4.3	0.5	94	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	18.9	18.5	28	29	90	90	90	819407	806030	<0.2	<0.2	0.7	0.9		
						4.3	0.5	99	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	19.0	18.5	27	29	90	90	90	819407	806030	<0.2	<0.2	0.9	0.8		
					Bottom	7.6	0.6	74	18.9	7.9	7.9	28.4	28.4	90.7	90.8	7.1	7.1	18.4	18.5	31	29	91	91	91	819407	806030	<0.2	<0.2	0.8	0.8		
						7.6	0.6	76	18.9	7.9	7.9	28.4	28.4	90.8	90.8	7.1	7.1	18.6	18.5	34	29	91	91	91	819407	806030	<0.2	<0.2	0.9	0.9		
IM4	Cloudy	Moderate	11:09	8.1	Surface	1.0	0.6	75	18.8	8.0	8.0	28.5	28.5	92.1	92.1	7.2	7.2	14.0	18.9	21	22	92	92	93	819573	805035	<0.2	<0.2	0.8	0.8		
						1.0	0.6	79	18.8	8.0	8.0	28.5	28.5	92.1	92.1	7.2	7.2	14.0	18.9	21	22	92	92	93	819573	805035	<0.2	<0.2	0.8	0.8		
					Middle	4.1	0.6	61	18.8	8.0	8.0	28.5	28.5	92.2	92.2	7.2	7.2	20.9	18.9	21	22	93	93	93	819573	805035	<0.2	<0.2	0.8	0.8		
						4.1	0.6	61	18.8	8.0	8.0	28.5	28.5	92.2	92.2	7.2	7.2	21.1	18.9	23	22	93	93	93	819573	805035	<0.2	<0.2	0.8	0.8		
					Bottom	7.1	0.6	84	18.8	8.0	8.0	28.4	28.4	92.7	92.7	7.3	7.3	21.9	18.9	24	22	94	94	94	819573	805035	<0.2	<0.2	0.7	0.8		
						7.1	0.6	86	18.8	8.0	8.0	28.4	28.4	92.7	92.7	7.3	7.3	21.4	18.9	24	22	93	93	93	819573	805035	<0.2	<0.2	0.8	0.8		
IM5	Cloudy	Moderate	11:16	7.0	Surface	1.0	0.6	77	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	16.3	16.5	17	19	92	93	93	820550	804940	<0.2	<0.2	0.8	0.8		
						1.0	0.6	81	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	16.3	16.5	15	19	93	93	93	820550	804940	<0.2	<0.2	0.8	0.8		
					Middle	3.5	0.6	111	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	17.4	16.5	16	19	93										

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

Water Quality Monitoring Results on 17 January 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		
IM9	Cloudy	Moderate	11:29	7.3	Surface	1.0	0.5	175	19.3	7.9	7.9	28.3	28.3	91.1	91.1	7.1	7.1	10.6	10.6	11	11	90	90	93	93	822102	808828	<0.2	1.2	1.0	1.1			
						1.0	0.5	179	19.3	7.9	7.9	28.3	28.3	91.1	91.1	7.1	7.1	10.6	10.6	11	11	91	91											
					Middle	3.7	0.5	176	19.2	7.9	7.9	28.6	28.6	91.4	91.4	7.1	7.1	13.1	13.4	13	13	93	93											
						3.7	0.5	177	19.2	7.9	7.9	28.6	28.6	91.4	91.4	7.1	7.1	13.1	13.4	13	13	93	93											
					Bottom	6.3	0.5	196	19.2	7.9	7.9	28.6	28.6	91.6	91.6	7.1	7.1	16.5	16.5	16	16	94	94											
						6.3	0.5	199	19.2	7.9	7.9	28.6	28.6	91.6	91.6	7.1	7.1	16.5	16.5	17	17	94	94											
IM10	Cloudy	Moderate	11:21	7.4	Surface	1.0	0.8	266	19.1	8.0	8.0	28.9	28.9	92.5	92.5	7.2	7.2	12.1	12.1	15	15	89	89	93	93	822258	809852	<0.2	0.8	0.8	0.8			
						1.0	0.9	288	19.1	8.0	8.0	28.9	28.9	92.5	92.5	7.2	7.2	12.1	12.1	15	15	88	88											
					Middle	3.7	0.7	243	19.1	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	13.3	14.5	15	15	93	93											
						3.7	0.8	245	19.1	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	13.3	14.5	16	16	93	93											
					Bottom	6.4	0.7	233	19.0	8.0	8.0	29.0	29.0	92.4	92.4	7.2	7.2	18.2	18.2	19	19	94	94											
						6.4	0.7	249	19.0	8.0	8.0	29.0	29.0	92.4	92.4	7.2	7.2	18.2	18.2	20	20	93	93											
IM11	Cloudy	Moderate	11:13	8.3	Surface	1.0	0.5	272	19.1	8.0	8.0	29.1	29.1	91.9	91.9	7.2	7.2	14.6	14.6	19	19	87	87	93	93	821486	810526	<0.2	0.6	0.7	0.8			
						1.0	0.5	294	19.1	8.0	8.0	29.1	29.1	91.9	91.9	7.2	7.2	15.1	15.1	17	17	88	88											
					Middle	4.2	0.5	283	19.1	8.0	8.0	29.1	29.1	91.3	91.3	7.1	7.1	19.3	19.7	18	18	92	92											
						4.2	0.5	302	19.1	8.0	8.0	29.1	29.1	91.3	91.3	7.1	7.1	19.3	19.7	19	19	93	93											
					Bottom	7.3	0.6	258	19.1	7.9	7.9	29.1	29.1	90.4	90.4	7.1	7.1	24.8	24.8	22	22	94	94											
						7.3	0.6	277	19.1	7.9	7.9	29.1	29.1	90.4	90.4	7.1	7.1	24.8	24.8	21	21	94	94											
IM12	Cloudy	Moderate	11:05	7.9	Surface	1.0	0.8	276	19.2	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	12.3	12.3	13	13	89	89	93	93	821175	811527	<0.2	0.8	0.8	0.9			
						1.0	0.8	280	19.2	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	12.3	12.3	11	11	89	89											
					Middle	4.0	0.7	271	19.1	8.0	8.0	29.0	29.0	92.1	92.1	7.2	7.2	14.3	14.3	16	16	90	90											
						4.0	0.8	296	19.1	8.0	8.0	29.0	29.0	92.1	92.1	7.2	7.2	14.3	14.3	17	17	90	90											
					Bottom	6.9	0.7	274	19.1	8.0	8.0	29.1	29.1	92.6	92.6	7.2	7.2	16.2	16.2	16	16	94	94											
						6.9	0.7	279	19.1	8.0	8.0	29.1	29.1	92.6	92.6	7.2	7.2	16.2	16.2	15	15	94	94											
SR2	Cloudy	Moderate	10:21	3.5	Surface	1.0	0.4	72	19.2	7.9	7.9	29.0	29.0	91.1	91.1	7.1	7.1	13.7	13.7	20	20	88	88	93	93	821475	814148	<0.2	0.9	0.8	0.9			
						1.0	0.4	78	19.2	7.9	7.9	29.0	29.0	91.1	91.1	7.1	7.1	13.7	13.7	20	20	90	90											
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	2.5	0.4	80	19.2	7.9	7.9	29.0	29.0	91.6	91.6	7.1	7.1	14.0	14.0	19	19	88	88											
						2.5	0.4	87	19.2	7.9	7.9	29.0	29.0	91.6	91.6	7.1	7.1	14.0	14.0	20	20	91	91											
SR3	Cloudy	Moderate	11:44	9.9	Surface	1.0	0.6	160	19.4	7.9	7.9	27.3	27.3	91.1	91.1	7.1	7.1	7.6	7.6	12	12	-	-	-	-	822163	807573	-	-	-	-			
						1.0	0.7	161	19.4	7.9	7.9	27.3	27.3	91.1	91.1	7.1	7.1	7.6	7.6	11	11	-	-											
					Middle	5.0	0.7	135	19.2	7.9	7.9	27.6	27.6	89.9	89.9	7.1	7.1	15.0	14.1	18	18	-	-											
						5.0	0.8	135	19.2	7.9	7.9	27.6	27.6	89.9	89.9	7.1	7.1	15.0	14.1	18	18	-	-											
					Bottom	8.9	0.6	150	19.2	7.9	7.9	27.7	27.7	89.7	89.7	7.0	7.0	19.6	19.6	21	21	-	-											
						8.9	0.7	152	19.2	7.9	7.9	27.7	27.7	89.7	89.7	7.0	7.0	19.6	19.6	19	19	-	-											
SR4A	Sunny	Moderate	09:59	8.2	Surface	1.0	0.3	204	18.7	7.9	7.9	28.7	28.7	89.6	89.6	7.0	7.0	12.3	12.3	18	18	-	-	-	-	817181	807813	-	-	-	-			
						1.0	0.3	216	18.7	7.9	7.9	28.7	28.7	89.6	89.6	7.0	7.0	12.4	12.4	18	18	-	-											
					Middle	4.1	0.3	206	18.7	7.9	7.9	28.6	28.6	90.2	90.2	7.1	7.1	12.5	12.7	23	23	-	-											
						4.1	0.3	216	18.7	7.9	7.9	28.6	28.6	90.2	90.2	7.1	7.1	12.5	12.7	23	23	-	-											
					Bottom	7.2	0.2	175	18.7	7.8	7.8	28.6	28.6	91.5	91.5	7.2	7.2	13.4	13.4	26	26	-	-											
						7.2	0.3	181	18.7	7.8	7.8	28.6	28.6	91.5	91.5	7.2	7.2	13.3	13.3	27	27	-	-											
SR5A	Sunny	Calm	09:42	4.3	Surface	1.0	0.2	288	18.6	7.8	7.8	27.0	27.0	90.7	90.8	7.2	7.2	7.8	7.8	16	16	-	-	-	-	816604	810677	-	-	-	-			
						1.0	0.3	314	18.6	7.8	7.8	27.0	27.0	90.8	90.8	7.2	7.2	7.8	7.8	16	16	-	-											
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-
					Bottom	3.3	0.2	272	18.6	7.6	7.6	25.7	25.7	95.0	95.1	7.6	7.6	8.4	8.1	17	17	-	-											
						3.3	0.3	299	18.6	7.6	7.6	25.6	25.6	95.2	95.2	7.6	7.6	8.4	8.1	18	18	-	-											
SR6	Sunny	Moderate	09:18	3.9	Surface	1.0	0.2	250	18.8	7.8	7.8	27.5	27.5	87.2	87.3	6.9	6.9	16.5	16.5	32	32	-	-	-	-	817906	814667	-	-	-	-			
						1.0	0.2	253	18.8	7.8	7.8	27.5	27.5	87.3	87.3	6.9	6.9	16.5	16.5	29	29	-	-											
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	
					Bottom	2.9	0.2	247	18.8	7.7	7.7	26.9	26.9	89.4	89.4	7.1	7.1	18.9	17.7	48	48	-	-											
						2.9	0.2	261	18.8	7.7	7.7	26.8	26.8	89.4	89.4	7.1	7.1	18.9	17.7	45	45	-	-											
SR7	Cloudy	Moderate	09:24	16.4	Surface	1.0	0.4	113	19.5	7.9	7.9	29.3	29.3	88.5	88.5	6.8	6.8	8.0	8.0	7	7	-	-	-	-	823647	823747	-	-	-	-			
						1.0	0.4	116	19.5	7.9	7.9	29.3	29.3	88.5	88.5	6.8	6.8	8.0	8.0	7	7	-	-											
					Middle	8.2	0.5	91	19.5	7.9	7.9	29.3	29.3	88.4	88.4	6.8	6.8	8.7	7.9	11	11	-	-											
						8.2	0.5	94	19.5	7.9	7.9	29.3	29.3	88.4	88.4	6.8	6.8	8.7	7.9	11	11	-	-											
					Bottom	15.4	0.5	98	19.5	7.9	7.9	29.3	29.3	89.4	89.4	6.9	6.9	7.1	6.9	14	14													

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

Water Quality Monitoring Results on 17 January 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	15:58	8.9	Surface	1.0	0.4	223	19.0	19.0	8.0	8.0	29.6	29.6	92.6	92.6	7.2	7.2	18.0	18.0	11	11	90	90	815625	804235	<0.2	<0.2	0.2	0.2		
						1.0	0.5	244	19.0	8.0	8.0	29.6	29.6	92.6	92.6	7.2	7.2	18.0	18.0	11	11	91	91									
					Middle	4.5	0.4	210	19.1	8.0	8.0	29.6	29.6	92.7	92.7	7.2	7.2	19.0	19.0	11	11	92	92									
						4.5	0.4	215	19.0	8.0	8.0	29.6	29.6	92.7	92.7	7.2	7.2	19.0	19.0	10	10	92	92									
					Bottom	7.9	0.4	206	19.0	7.9	7.9	29.6	29.6	93.1	93.1	7.3	7.3	21.0	21.0	11	11	92	92									
						7.9	0.4	215	19.0	7.9	7.9	29.6	29.6	93.2	93.2	7.3	7.3	21.0	21.0	12	12	93	93									
C2	Cloudy	Moderate	14:49	13.0	Surface	1.0	0.3	119	19.4	19.4	7.9	7.9	27.1	27.1	89.0	89.0	7.0	7.0	8.8	8.8	5	5	87	87	825672	806950	<0.2	<0.2	1.7	1.7		
						1.0	0.3	120	19.4	7.9	7.9	27.1	27.1	89.0	89.0	7.0	7.0	8.9	8.9	5	5	87	87									
					Middle	6.5	0.3	124	19.2	7.9	7.9	27.4	27.4	88.4	88.4	6.9	6.9	13.9	13.9	11	11	89	89									
						6.5	0.3	127	19.2	7.9	7.9	27.4	27.4	88.4	88.4	6.9	6.9	13.9	13.9	11	11	90	90									
					Bottom	12.0	0.2	196	19.2	7.9	7.9	27.4	27.4	89.0	89.0	7.0	7.0	15.5	15.5	11	11	92	92									
						12.0	0.3	208	19.2	7.9	7.9	27.4	27.4	89.0	89.0	7.0	7.0	15.5	15.5	15	15	92	92									
C3	Cloudy	Moderate	16:52	12.5	Surface	1.0	0.4	72	19.4	19.4	7.9	7.9	28.9	28.9	90.3	90.3	7.0	7.0	7.4	7.4	7	7	90	90	822111	817797	<0.2	<0.2	0.6	0.6		
						1.0	0.5	73	19.4	7.9	7.9	28.9	28.9	90.3	90.3	7.0	7.0	7.4	7.4	5	5	90	90									
					Middle	6.3	0.4	79	19.5	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	11.5	11.5	7	7	94	94									
						6.3	0.5	82	19.5	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	11.5	11.5	8	8	93	93									
					Bottom	11.5	0.5	101	19.5	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	24.7	24.7	7	7	95	95									
						11.5	0.5	108	19.5	7.9	7.9	29.0	29.0	89.4	89.4	7.0	7.0	24.7	24.7	7	7	94	94									
IM1	Cloudy	Moderate	15:36	7.9	Surface	1.0	0.3	190	18.9	18.9	7.9	7.9	28.0	28.0	93.1	93.1	7.3	7.3	11.1	11.1	9	9	89	89	818351	806469	<0.2	<0.2	0.4	0.4		
						1.0	0.3	197	18.9	7.9	7.9	28.0	28.0	93.1	93.1	7.3	7.3	11.3	11.3	9	9	89	89									
					Middle	4.0	0.3	157	18.9	7.9	7.9	27.8	27.8	93.7	93.7	7.4	7.4	13.4	13.4	11	11	90	90									
						4.0	0.3	163	18.9	7.9	7.9	27.8	27.8	93.7	93.7	7.4	7.4	13.4	13.4	10	10	90	90									
					Bottom	6.9	0.3	188	19.0	7.8	7.8	27.1	27.1	95.7	95.8	7.6	7.6	14.0	14.0	11	11	91	91									
						6.9	0.3	202	19.0	7.8	7.8	27.0	27.1	95.8	95.8	7.6	7.6	14.0	14.0	16	16	91	91									
IM2	Cloudy	Moderate	15:31	8.8	Surface	1.0	0.5	213	18.9	18.9	7.9	7.9	28.2	28.2	92.7	92.7	7.3	7.3	12.2	12.2	11	11	90	90	818867	806192	<0.2	<0.2	0.4	0.4		
						1.0	0.5	224	18.9	7.9	7.9	28.2	28.2	92.7	92.7	7.3	7.3	12.3	12.3	12	12	90	90									
					Middle	4.4	0.4	194	18.9	7.9	7.9	28.1	28.1	93.2	93.2	7.3	7.3	13.4	13.4	13	13	91	91									
						4.4	0.4	210	18.9	7.9	7.9	28.1	28.1	93.2	93.2	7.3	7.3	13.4	13.4	12	12	91	91									
					Bottom	7.8	0.4	197	19.0	7.9	7.9	27.6	27.6	94.9	95.0	7.5	7.5	12.6	12.6	13	13	91	91									
						7.8	0.4	215	19.0	7.9	7.9	27.6	27.6	95.0	95.0	7.5	7.5	12.5	12.5	17	17	93	93									
IM3	Cloudy	Moderate	15:24	9.1	Surface	1.0	0.6	138	18.9	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	17.8	17.8	15	15	92	92	819421	806029	<0.2	<0.2	0.4	0.4		
						1.0	0.6	144	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	18.1	18.1	14	14	92	92									
					Middle	4.6	0.5	134	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	18.9	18.9	16	16	93	93									
						4.6	0.6	135	18.9	8.0	8.0	28.5	28.5	90.8	90.8	7.1	7.1	19.0	19.0	15	15	93	93									
					Bottom	8.1	0.6	143	18.9	7.9	7.9	28.4	28.4	90.7	90.8	7.1	7.1	18.4	18.4	16	16	94	94									
						8.1	0.6	149	18.9	7.9	7.9	28.4	28.4	90.8	90.8	7.1	7.1	18.6	18.6	18	18	94	94									
IM4	Cloudy	Moderate	15:16	8.3	Surface	1.0	0.3	139	19.0	19.0	8.0	8.0	28.5	28.5	92.1	92.1	7.2	7.2	14.0	14.0	15	15	90	90	819571	805040	<0.2	<0.2	0.3	0.3		
						1.0	0.4	145	19.0	8.0	8.0	28.5	28.5	92.1	92.1	7.2	7.2	14.0	14.0	15	15	90	90									
					Middle	4.2	0.3	162	19.0	8.0	8.0	28.5	28.5	92.2	92.2	7.2	7.2	20.9	20.9	17	17	91	91									
						4.2	0.3	172	19.0	8.0	8.0	28.5	28.5	92.2	92.2	7.2	7.2	21.1	21.1	15	15	91	91									
					Bottom	7.3	0.3	160	19.0	8.0	8.0	28.4	28.4	92.7	92.7	7.3	7.3	21.9	21.9	17	17	92	92									
						7.3	0.3	163	19.0	8.0	8.0	28.4	28.4	92.7	92.7	7.3	7.3	21.4	21.4	22	22	92	92									
IM5	Cloudy	Moderate	15:05	7.3	Surface	1.0	0.4	167	18.9	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	16.3	16.3	10	10	92	92	820544	804920	<0.2	<0.2	0.5	0.5		
						1.0	0.4	177	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	16.3	16.3	10	10	92	92									
					Middle	3.7	0.4	172	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	17.4	17.4	11	11	93	93									
						3.7	0.4	177	18.9	8.0	8.0	28.6	28.6	91.2	91.2	7.1	7.1	17.5	17.5	11	11	93	93									
					Bottom	6.3	0.4	168	18.9	8.0	8.0	28.6	28.6	91.6	91.6	7.2	7.2	15.8	15.8	11	11	94	94									
						6.3	0.4	172	18.9	8.0	8.0	28.6	28.6	91.6	91.6	7.2	7.2	15.8	15.8	12	12	94	94									
IM6	Cloudy	Moderate	14:56	7.2	Surface	1.0	0.3	149	18.9	18.9	7.9	7.9	27.9	27.9	91.9	91.9	7.2	7.2	8.3	8.3	25	25	93	93	821076	805817	<0.2	<0.2	0.6	0.6		
						1.0	0.3	160	18.9	7.9	7.9	27.9	27.9	91.9	91.9	7.2	7.2	8.4	8.4	26	26	93	93									
					Middle	3.6	0.3	147	18.9	7.9	7.9	27.9	27.9	92.9	93.0	7.3	7.3	11.7	11.7	28	28	94	94									
						3.6	0.4	155	18.9	7.9	7.9	27.9	27.9	93.0	93.0	7.3	7.3	11.7	11.7	26	26	94	94									
					Bottom	6.2	0.3	144	18.9	7.9	7.9	28.1	28.1	94.8	94.9	7.4	7.4	11.7	11.7	31	31	94	94									
						6.2	0.3	156	18.9	7.9	7.9	28.0	28.1	94.9	94.9	7.5	7.5	11.7	11.7	32	32	95	95									
IM7	Cloudy	Moderate	14:49	8.6	Surface	1.0	0.3	118	18.9	18.9	7.9	7.9	27.6	27.6	92.3	92.4	7.3	7.3	5.9	5.9	10	10	92	92	821341	806844	<0.2	<0.2	0.4	0.4		
						1.0	0.3	127	18.9	7.9	7.9	27.6	27.6	92.4	92.4	7.3	7.3	5.9	5.9	11	11	93	93									
					Middle	4.3	0.3	105	18.9	7.9	7.9	27.7	27.7	93.4	93.5	7.3	7.3	7.0	7.0	11	11	93	93									
						4.3	0.3	112	18.9	7.9	7.9	27.8	27.8	93.5	93.5	7.3	7.3	7.1														

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

Water Quality Monitoring Results on 17 January 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		
IM9	Cloudy	Moderate	15:34	8.6	Surface	1.0	0.4	116	19.0	19.0	7.9	7.9	28.3	28.3	91.1	91.1	7.1	7.1	10.6	10.6	13	14	86	87	822078	808829	<0.2	<0.2	0.7	0.6				
						1.0	0.4	120	19.0	7.9	7.9	28.3	28.3	91.1	91.1	7.1	7.1	10.6	10.6	18	18	86	87											
					Middle	4.3	0.4	99	19.0	19.0	7.9	7.9	28.6	28.6	91.4	91.4	7.1	7.1	13.1	13.4	16	16	91	91							91	91		
						4.3	0.4	106	19.0	19.0	7.9	7.9	28.6	28.6	91.4	91.4	7.1	7.1	13.1	13.4	18	18	92	92										
					Bottom	7.6	0.4	103	19.0	19.0	7.9	7.9	28.6	28.6	91.6	91.6	7.1	7.1	16.5	16.5	25	25	93	93							93	93		
						7.6	0.4	104	19.0	19.0	7.9	7.9	28.6	28.6	91.6	91.6	7.1	7.1	16.5	16.5	24	24	94	94							94	94		
IM10	Cloudy	Moderate	15:45	7.3	Surface	1.0	0.7	108	19.1	19.1	8.0	8.0	28.9	28.9	92.5	92.5	7.2	7.2	12.1	12.1	12	12	87	87	822222	809845	<0.2	<0.2	0.7	0.7				
						1.0	0.7	110	19.1	19.1	8.0	8.0	28.9	28.9	92.5	92.5	7.2	7.2	12.1	12.1	12	12	87	87										
					Middle	3.7	0.7	100	19.1	19.1	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	13.3	14.5	16	16	91	91							91	91		
						3.7	0.7	108	19.1	19.1	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	13.3	14.5	16	16	92	92										
					Bottom	6.3	0.7	112	19.0	19.0	8.0	8.0	29.0	29.0	92.4	92.4	7.2	7.2	18.2	18.2	15	15	93	93							93	93		
						6.3	0.7	121	19.0	19.0	8.0	8.0	29.0	29.0	92.4	92.4	7.2	7.2	18.2	18.2	17	17	93	93							93	93		
IM11	Cloudy	Moderate	15:53	7.7	Surface	1.0	0.5	114	19.2	19.2	8.0	8.0	29.1	29.1	91.9	91.9	7.2	7.2	14.6	15.1	9	7	89	88	821487	810557	<0.2	<0.2	0.9	0.8				
						1.0	0.5	124	19.2	19.2	8.0	8.0	29.1	29.1	91.9	91.9	7.2	7.2	15.1	15.1	7	7	88	88										
					Middle	3.9	0.5	110	19.1	19.1	8.0	8.0	29.1	29.1	91.3	91.3	7.1	7.1	19.3	19.7	10	10	91	91							91	91		
						3.9	0.5	119	19.1	19.1	8.0	8.0	29.1	29.1	91.3	91.3	7.1	7.1	19.3	19.7	10	10	92	92										
					Bottom	6.7	0.5	102	19.1	19.1	7.9	7.9	29.1	29.1	90.4	90.4	7.1	7.1	24.8	24.8	12	12	93	93							93	93		
						6.7	0.5	107	19.1	19.1	7.9	7.9	29.1	29.1	90.4	90.4	7.1	7.1	24.8	24.8	11	11	93	93							93	93		
IM12	Cloudy	Moderate	16:00	8.6	Surface	1.0	0.5	123	19.2	19.2	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	12.3	12.3	7	7	86	86	821181	811529	<0.2	<0.2	0.8	0.8				
						1.0	0.5	123	19.2	19.2	8.0	8.0	29.0	29.0	92.2	92.2	7.2	7.2	12.3	12.3	7	7	86	86										
					Middle	4.3	0.5	126	19.2	19.2	8.0	8.0	29.0	29.0	92.1	92.1	7.2	7.2	14.3	14.3	7	7	92	92							90	90		
						4.3	0.6	134	19.2	19.2	8.0	8.0	29.0	29.0	92.1	92.1	7.2	7.2	14.3	14.3	8	8	92	92										
					Bottom	7.6	0.5	136	19.2	19.2	8.0	8.0	29.1	29.1	92.6	92.6	7.2	7.2	16.2	16.2	12	12	93	93							93	93		
						7.6	0.5	142	19.2	19.2	8.0	8.0	29.1	29.1	92.6	92.6	7.2	7.2	16.2	16.2	11	11	93	93							93	93		
SR2	Cloudy	Moderate	16:31	4.5	Surface	1.0	0.3	85	19.3	19.3	7.9	7.9	29.0	29.0	91.1	91.1	7.1	7.1	13.7	13.7	10	10	88	89	821461	814166	<0.2	<0.2	0.8	0.8				
						1.0	0.4	92	19.3	19.3	7.9	7.9	29.0	29.0	91.1	91.1	7.1	7.1	13.7	13.7	10	10	89	89										
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	91	91
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	91	91
					Bottom	3.5	0.3	81	19.3	19.3	7.9	7.9	29.0	29.0	91.6	91.6	7.1	7.1	14.0	14.0	11	11	94	94							94	94		
						3.5	0.3	83	19.3	19.3	7.9	7.9	29.0	29.0	91.6	91.6	7.1	7.1	14.0	14.0	10	10	94	94							94	94		
SR3	Cloudy	Moderate	15:09	9.5	Surface	1.0	0.5	133	19.3	19.3	7.9	7.9	27.3	27.3	91.1	91.1	7.1	7.1	7.6	7.6	6	6	-	-	822128	807570	-	-	-	-				
						1.0	0.5	140	19.3	19.3	7.9	7.9	27.3	27.3	91.1	91.1	7.1	7.1	7.6	7.6	6	6	-	-										
					Middle	4.8	0.4	121	19.3	19.3	7.9	7.9	27.6	27.6	89.9	89.9	7.1	7.1	15.0	14.1	8	8	-	-							-	-		
						4.8	0.4	125	19.3	19.3	7.9	7.9	27.6	27.6	89.9	89.9	7.1	7.1	15.0	14.1	7	7	-	-							-	-		
					Bottom	8.5	0.5	141	19.3	19.3	7.9	7.9	27.7	27.7	89.7	89.7	7.0	7.0	19.6	19.6	8	8	-	-							-	-		
						8.5	0.5	141	19.3	19.3	7.9	7.9	27.7	27.7	89.7	89.7	7.0	7.0	19.6	19.6	8	8	-	-							-	-		
SR4A	Cloudy	Moderate	16:19	8.3	Surface	1.0	0.4	99	18.9	18.9	7.9	7.9	28.7	28.7	89.6	89.6	7.0	7.0	12.3	12.3	11	12	-	-	817190	807829	-	-	-	-				
						1.0	0.4	102	18.9	18.9	7.9	7.9	28.7	28.7	89.6	89.6	7.0	7.0	12.4	12.7	12	12	-	-										
					Middle	4.2	0.4	85	18.9	18.9	7.9	7.9	28.6	28.6	90.2	90.2	7.1	7.1	12.5	12.7	11	11	-	-							-	-		
						4.2	0.4	92	18.9	18.9	7.9	7.9	28.6	28.6	90.2	90.2	7.1	7.1	12.5	12.7	12	12	-	-							-	-		
					Bottom	7.3	0.4	86	18.9	18.9	7.8	7.8	28.6	28.6	91.5	91.5	7.2	7.2	13.4	13.4	13	13	-	-							-	-		
						7.3	0.4	94	18.9	18.9	7.8	7.8	28.6	28.6	91.5	91.5	7.2	7.2	13.3	13.3	14	14	-	-							-	-		
SR5A	Cloudy	Calm	16:35	4.4	Surface	1.0	0.1	186	18.7	18.7	7.8	7.8	27.0	27.0	90.7	90.8	7.2	7.2	7.8	7.8	10	9	-	-	816592	810683	-	-	-	-				
						1.0	0.1	192	18.7	18.7	7.8	7.8	27.0	27.0	90.8	90.8	7.2	7.2	7.8	7.8	9	9	-	-										
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Bottom	3.4	0.1	178	18.7	18.7	7.6	7.6	25.7	25.7	95.0	95.1	7.6	7.6	8.4	8.4	9	9	-	-							-	-		
						3.4	0.1	193	18.7	18.7	7.6	7.6	25.6	25.6	95.2	95.2	7.6	7.6	8.4	8.4	10	10	-	-							-	-		
SR6	Cloudy	Calm	16:57	4.3	Surface	1.0	0.3	63	18.8	18.8	7.8	7.8	27.5	27.5	87.2	87.3	6.9	6.9	16.5	16.5	8	8	-	-	817880	814676	-	-	-	-				
						1.0	0.3	63	18.8	18.8	7.8	7.8	27.5	27.5	87.3	87.3	6.9	6.9	16.5	16.5	8	8	-	-										
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-							-	-	-	-
					Bottom	3.3	0.3	82	18.7	18.7	7.7	7.7	26.9	26.9	89.4	89.4	7.1	7.1	18.9	18.9	10	10	-	-							-	-		
						3.3	0.3	87	18.7	18.7	7.7	7.7	26.8	26.8	89.4	89.4	7.1	7.1	18.9	18.9	10	10	-	-							-	-		
SR7	Cloudy	Moderate	17:19	16.2	Surface	1.0	0.3	77	19.6	19.6	7.9	7.9	29.3	29.3	88.5	88.5	6.8	6.8	8.0	8.0	3	4	-	-	823643	823722	-	-	-	-				

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

Water Quality Monitoring Results on 19 January 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
C1	Cloudy	Moderate	11:58	8.6	Surface	1.0	0.7	96	19.1	19.1	8.0	8.0	28.0	28.0	93.8	93.8	7.3	7.3	4.9	13.1	5	17	91	91	815633	804262	<0.2	<0.2	1.8	1.3		
						1.0	0.7	96	19.1	19.1	8.0	8.0	28.0	28.0	93.8	93.8	7.3	7.3	5.0	13.1	5	17	90	91	815633	804262	<0.2	<0.2	1.7	1.3		
					Middle	4.3	0.7	86	19.0	19.0	8.0	8.0	29.1	29.1	93.0	93.0	7.3	7.3	13.4	13.1	18	17	91	91	815633	804262	<0.2	<0.2	1.2	1.3		
						4.3	0.8	92	19.0	19.0	8.0	8.0	29.1	29.1	92.9	93.0	7.3	7.3	13.5	13.1	19	17	91	91	815633	804262	<0.2	<0.2	1.2	1.3		
					Bottom	7.6	0.7	81	19.0	19.0	8.1	8.1	29.5	29.5	92.5	92.5	7.2	7.2	20.8	20.8	26	17	93	92	815633	804262	<0.2	<0.2	1.0	1.3		
						7.6	0.8	85	19.0	19.0	8.1	8.1	29.5	29.5	92.5	92.5	7.2	7.2	20.8	20.8	26	17	92	92	815633	804262	<0.2	<0.2	1.0	1.3		
C2	Cloudy	Moderate	13:18	12.7	Surface	1.0	0.5	240	19.7	19.7	7.8	7.8	25.5	25.5	91.7	91.7	7.2	7.1	4.7	8.8	7	8	87	92	825680	806959	<0.2	<0.2	2.4	1.9		
						1.0	0.6	245	19.7	19.7	7.8	7.8	25.5	25.5	91.7	91.7	7.2	7.1	4.7	8.8	6	8	87	92	825680	806959	<0.2	<0.2	2.3	1.9		
					Middle	6.4	0.6	244	19.3	19.3	7.8	7.8	27.7	27.7	90.0	90.0	7.0	7.0	7.4	8.8	7	8	93	92	825680	806959	<0.2	<0.2	2.1	1.9		
						6.4	0.6	260	19.3	19.3	7.8	7.8	27.7	27.7	90.0	90.0	7.0	7.0	7.4	8.8	6	8	94	92	825680	806959	<0.2	<0.2	2.2	1.9		
					Bottom	11.7	0.6	239	19.3	19.3	7.9	7.9	28.0	28.0	89.7	89.7	7.0	7.0	14.4	14.3	9	8	94	92	825680	806959	<0.2	<0.2	1.2	1.9		
						11.7	0.6	254	19.3	19.3	7.9	7.9	28.0	28.0	89.7	89.7	7.0	7.0	14.3	14.3	10	8	95	92	825680	806959	<0.2	<0.2	1.3	1.9		
C3	Cloudy	Moderate	11:14	11.7	Surface	1.0	0.5	252	19.4	19.4	7.9	7.9	28.6	28.6	89.0	89.0	6.9	6.9	5.2	7.9	5	7	90	92	822105	817816	<0.2	<0.2	0.9	0.9		
						1.0	0.5	274	19.4	19.4	7.9	7.9	28.6	28.6	89.0	89.0	6.9	6.9	5.2	7.9	7	7	90	92	822105	817816	<0.2	<0.2	1.0	0.9		
					Middle	5.9	0.5	284	19.4	19.4	7.9	7.9	29.0	29.0	87.4	87.4	6.8	6.8	7.2	7.9	8	7	90	92	822105	817816	<0.2	<0.2	0.8	0.9		
						5.9	0.5	285	19.4	19.4	7.9	7.9	29.0	29.0	87.4	87.4	6.8	6.8	7.2	7.9	6	7	91	92	822105	817816	<0.2	<0.2	0.8	0.9		
					Bottom	10.7	0.4	227	19.4	19.4	7.8	7.8	29.2	29.2	87.5	87.5	6.8	6.8	11.4	11.4	9	6	95	92	822105	817816	<0.2	<0.2	0.8	0.9		
						10.7	0.4	240	19.4	19.4	7.8	7.8	29.2	29.2	87.5	87.5	6.8	6.8	11.4	11.4	8	6	96	92	822105	817816	<0.2	<0.2	0.8	0.9		
IM1	Cloudy	Moderate	12:22	7.5	Surface	1.0	0.7	105	19.1	19.1	8.0	8.0	28.6	28.6	92.8	92.8	7.3	7.3	6.1	11.6	5	13	90	93	818368	806475	<0.2	<0.2	0.9	0.8		
						1.0	0.7	107	19.1	19.1	8.0	8.0	28.6	28.6	92.8	92.8	7.3	7.3	6.2	11.6	5	13	91	93	818368	806475	<0.2	<0.2	1.1	0.8		
					Middle	3.8	0.6	143	18.9	18.9	8.0	8.0	29.2	29.2	92.1	92.1	7.2	7.2	12.5	11.6	15	13	94	93	818368	806475	<0.2	<0.2	0.9	0.8		
						3.8	0.6	152	18.9	18.9	8.0	8.0	29.2	29.2	92.1	92.1	7.2	7.2	12.7	11.6	14	13	93	93	818368	806475	<0.2	<0.2	0.7	0.8		
					Bottom	6.5	0.5	144	18.9	18.9	8.0	8.0	29.2	29.2	91.9	91.9	7.2	7.2	16.2	16.1	19	13	94	93	818368	806475	<0.2	<0.2	0.7	0.8		
						6.5	0.5	155	18.9	18.9	8.0	8.0	29.2	29.2	91.9	91.9	7.2	7.2	16.1	16.1	19	13	95	93	818368	806475	<0.2	<0.2	0.7	0.8		
IM2	Cloudy	Moderate	12:35	8.5	Surface	1.0	0.8	113	19.3	19.3	8.0	8.0	28.2	28.2	93.8	93.8	7.3	7.3	2.5	6.1	5	9	90	91	818855	806204	<0.2	<0.2	1.1	1.0		
						1.0	0.9	124	19.3	19.3	8.0	8.0	28.2	28.2	93.7	93.8	7.3	7.3	2.5	6.1	3	9	90	91	818855	806204	<0.2	<0.2	1.3	1.0		
					Middle	4.3	0.7	130	19.0	19.0	8.0	8.0	28.8	28.8	92.6	92.6	7.2	7.2	5.8	6.1	7	9	91	91	818855	806204	<0.2	<0.2	1.0	1.0		
						4.3	0.7	133	19.0	19.0	8.0	8.0	28.8	28.8	92.6	92.6	7.2	7.2	5.8	6.1	7	9	91	91	818855	806204	<0.2	<0.2	1.0	1.0		
					Bottom	7.5	0.8	161	19.0	19.0	8.0	8.0	29.2	29.2	92.1	92.1	7.2	7.2	9.9	7.2	15	9	92	92	818855	806204	<0.2	<0.2	0.8	1.0		
						7.5	0.8	163	19.0	19.0	8.0	8.0	29.2	29.2	92.1	92.1	7.2	7.2	9.9	7.2	15	9	92	92	818855	806204	<0.2	<0.2	0.8	1.0		
IM3	Cloudy	Moderate	12:48	8.8	Surface	1.0	0.5	81	19.3	19.3	8.0	8.0	28.2	28.2	93.6	93.6	7.3	7.3	2.0	5.2	4	7	90	91	819424	805999	<0.2	<0.2	1.2	1.1		
						1.0	0.6	87	19.3	19.3	8.0	8.0	28.2	28.2	93.6	93.6	7.3	7.3	2.0	5.2	4	7	89	91	819424	805999	<0.2	<0.2	1.2	1.1		
					Middle	4.4	0.5	108	19.2	19.2	8.0	8.0	28.2	28.2	92.9	93.0	7.3	7.3	3.1	5.2	7	7	91	91	819424	805999	<0.2	<0.2	1.2	1.1		
						4.4	0.5	110	19.2	19.2	8.0	8.0	28.2	28.2	93.0	93.0	7.3	7.3	3.2	5.2	6	7	91	91	819424	805999	<0.2	<0.2	1.2	1.1		
					Bottom	7.8	0.4	155	19.0	19.0	8.1	8.1	29.3	29.3	92.2	92.2	7.2	7.2	10.3	7.2	9	7	91	91	819424	805999	<0.2	<0.2	1.0	1.1		
						7.8	0.5	161	19.0	19.0	8.1	8.1	29.3	29.3	92.2	92.2	7.2	7.2	10.3	7.2	11	7	92	91	819424	805999	<0.2	<0.2	1.0	1.1		
IM4	Cloudy	Moderate	13:03	8.2	Surface	1.0	0.6	110	19.3	19.3	8.0	8.0	27.9	27.9	93.8	93.8	7.3	7.3	1.8	6.2	6	10	89	91	819577	805056	<0.2	<0.2	1.2	1.1		
						1.0	0.6	110	19.3	19.3	8.0	8.0	27.9	27.9	93.8	93.8	7.3	7.3	1.8	6.2	7	10	89	91	819577	805056	<0.2	<0.2	1.2	1.1		
					Middle	4.1	0.6	83	19.1	19.1	8.0	8.0	27.9	27.9	92.8	92.8	7.3	7.3	3.1	6.2	6	10	91	91	819577	805056	<0.2	<0.2	1.2	1.1		
						4.1	0.6	83	19.1	19.1	8.0	8.0	27.9	27.9	92.7	92.8	7.3	7.3	3.1	6.2	7	10	90	91	819577	805056	<0.2	<0.2	1.0	1.1		
					Bottom	7.2	0.6	126	19.0	19.0	8.1	8.1	29.1	29.1	92.0	92.0	7.2	7.2	13.7	7.2	16	10	93	93	819577	805056	<0.2	<0.2	0.9	1.1		
						7.2	0.6	128	19.0	19.0	8.1	8.1	29.1	29.1	92.0	92.0	7.2	7.2	13.8	7.2	17	10	93	93	819577	805056	<0.2	<0.2	0.9	1.1		
IM5	Cloudy	Moderate	13:17	7.0	Surface	1.0	0.7	118	19.5	19.5	8.0	8.0	27.6	27.6	93.3	93.3	7.3	7.3	2.1	7.0	3	6	93	94	820567	804910	<0.2	<0.2	1.4	1.4		
						1.0	0.8	118	19.5	19.5	8.0	8.0	27.6	27.6	93.3	93.3	7.3	7.3	2.2	7.0	2	6	93	94	820567	804910	<0.2	<0.2	1.4	1.4		
					Middle	3.5	0.7	108	19.2	19.2	8.0	8.0	27.9	27.9	92.7	92.7	7.3	7.3	3.3	7.0	5	6	93	94	820567	804910	<0.2	<0.2	1			

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 January 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	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	12:30	7.4	Surface	1.0	0.4	209	19.8	19.8	7.8	7.8	27.1	27.1	93.9	93.9	7.3	7.3	7.3	7.3	10	87	91	822085	808828	<0.2	<0.2	1.9	1.8			
						1.0	0.4	216	19.8	7.8	7.8	27.1	27.1	93.9	93.9	7.3	7.3	7.3	7.3	11	88	91	822085	808828	<0.2	<0.2	2.0	1.8				
					Middle	3.7	0.5	243	19.5	19.5	7.9	7.9	27.7	27.7	93.0	93.0	7.3	7.3	14.2	12.6	13	92	91	822085	808828	<0.2	<0.2	1.7	1.8			
						3.7	0.5	252	19.5	19.5	7.9	7.9	27.7	27.7	93.0	93.0	7.3	7.3	14.2	12.6	13	93	91	822085	808828	<0.2	<0.2	1.7	1.8			
					Bottom	6.4	0.5	252	19.5	19.5	7.8	7.8	27.8	27.8	93.7	94.0	7.3	7.3	16.9	12.6	14	94	91	822085	808828	<0.2	<0.2	1.7	1.8			
						6.4	0.5	263	19.5	19.5	7.8	7.8	27.8	27.8	94.2	94.0	7.3	7.3	15.9	12.6	14	94	91	822085	808828	<0.2	<0.2	1.7	1.8			
IM10	Cloudy	Moderate	12:21	7.7	Surface	1.0	0.7	262	19.4	19.4	7.9	7.9	28.0	28.0	93.6	93.6	7.3	7.3	6.9	7.3	8	88	92	822249	809847	<0.2	<0.2	1.7	1.5			
						1.0	0.8	266	19.4	19.4	7.9	7.9	28.0	28.0	93.6	93.6	7.3	7.3	6.9	7.3	8	87	92	822249	809847	<0.2	<0.2	1.7	1.5			
					Middle	3.9	0.7	269	19.2	19.2	7.9	7.9	28.3	28.3	92.3	92.3	7.2	7.2	11.1	11.9	9	93	92	822249	809847	<0.2	<0.2	1.4	1.5			
						3.9	0.7	289	19.2	19.2	7.9	7.9	28.3	28.3	92.3	92.3	7.2	7.2	11.1	11.9	8	93	92	822249	809847	<0.2	<0.2	1.4	1.5			
					Bottom	6.7	0.6	256	19.2	19.2	7.9	7.9	28.4	28.4	92.8	92.8	7.3	7.3	17.7	11.9	24	94	92	822249	809847	<0.2	<0.2	1.3	1.5			
						6.7	0.7	264	19.2	19.2	7.9	7.9	28.4	28.4	92.8	92.8	7.3	7.3	17.7	11.9	26	94	92	822249	809847	<0.2	<0.2	1.3	1.5			
IM11	Cloudy	Moderate	12:12	8.3	Surface	1.0	0.6	266	19.5	19.5	7.9	7.9	28.0	28.0	92.6	92.6	7.2	7.1	7.5	7.1	8	88	92	821481	810538	<0.2	<0.2	1.6	1.4			
						1.0	0.6	276	19.5	19.5	7.9	7.9	28.0	28.0	92.6	92.6	7.2	7.1	7.6	7.1	8	87	92	821481	810538	<0.2	<0.2	1.6	1.4			
					Middle	4.2	0.5	268	19.2	19.2	7.9	7.9	28.5	28.5	90.0	90.0	7.0	7.0	16.5	16.4	13	93	92	821481	810538	<0.2	<0.2	1.4	1.4			
						4.2	0.6	286	19.2	19.2	7.9	7.9	28.5	28.5	90.0	90.0	7.0	7.0	16.5	16.4	12	93	92	821481	810538	<0.2	<0.2	1.4	1.4			
					Bottom	7.3	0.5	252	19.2	19.2	7.9	7.9	28.5	28.5	89.7	89.7	7.0	7.0	25.0	16.4	24	94	92	821481	810538	<0.2	<0.2	1.0	1.4			
						7.3	0.5	262	19.2	19.2	7.9	7.9	28.5	28.5	89.7	89.7	7.0	7.0	25.0	16.4	25	94	92	821481	810538	<0.2	<0.2	1.1	1.4			
IM12	Cloudy	Moderate	12:01	9.0	Surface	1.0	0.6	284	19.3	19.3	7.9	7.9	28.4	28.4	90.3	90.3	7.0	7.0	11.9	7.0	14	91	93	821180	811525	<0.2	<0.2	1.1	1.1			
						1.0	0.6	304	19.3	19.3	7.9	7.9	28.4	28.4	90.3	90.3	7.0	7.0	11.9	7.0	12	90	93	821180	811525	<0.2	<0.2	1.1	1.1			
					Middle	4.5	0.5	287	19.2	19.2	7.9	7.9	28.5	28.5	89.2	89.2	7.0	7.0	15.8	15.9	20	93	93	821180	811525	<0.2	<0.2	1.1	1.1			
						4.5	0.5	295	19.2	19.2	7.9	7.9	28.5	28.5	89.2	89.2	7.0	7.0	15.8	15.9	20	93	93	821180	811525	<0.2	<0.2	1.0	1.1			
					Bottom	8.0	0.4	283	19.2	19.2	7.8	7.8	28.6	28.6	89.1	89.1	6.9	6.9	19.9	15.9	20	94	93	821180	811525	<0.2	<0.2	1.2	1.1			
						8.0	0.5	308	19.2	19.2	7.8	7.8	28.6	28.6	89.0	89.1	6.9	6.9	19.8	15.9	19	94	93	821180	811525	<0.2	<0.2	1.1	1.1			
SR2	Cloudy	Moderate	11:38	4.1	Surface	1.0	0.3	100	19.4	19.4	7.8	7.8	28.4	28.4	91.9	91.9	7.1	7.1	9.3	7.1	10	86	89	821463	814185	<0.2	<0.2	1.2	1.2			
						1.0	0.4	101	19.4	19.4	7.8	7.8	28.4	28.4	91.9	91.9	7.1	7.1	9.3	7.1	10	88	89	821463	814185	<0.2	<0.2	1.3	1.2			
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	821463	814185	<0.2	<0.2	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	821463	814185	<0.2	<0.2	-	-
					Bottom	3.1	0.3	104	19.3	19.3	7.8	7.8	28.5	28.5	93.4	93.4	7.3	7.3	10.0	7.3	10	91	89	821463	814185	<0.2	<0.2	1.2	1.2			
						3.1	0.4	112	19.3	19.3	7.8	7.8	28.5	28.5	93.4	93.4	7.3	7.3	10.0	7.3	12	92	89	821463	814185	<0.2	<0.2	1.2	1.2			
SR3	Cloudy	Moderate	12:47	9.3	Surface	1.0	0.5	187	19.5	19.5	7.8	7.8	26.0	26.0	92.4	92.5	7.3	7.3	6.6	7.3	6	-	-	822139	807588	-	-	-	-			
						1.0	0.6	201	19.5	19.5	7.8	7.8	26.0	26.0	92.5	92.5	7.3	7.3	6.6	7.3	5	-	-	822139	807588	-	-	-	-			
					Middle	4.7	0.6	226	19.4	19.4	7.9	7.9	27.7	27.7	92.0	92.0	7.2	7.2	10.9	12.1	10	-	-	-	822139	807588	-	-	-	-		
						4.7	0.6	228	19.4	19.4	7.9	7.9	27.7	27.7	92.0	92.0	7.2	7.2	10.9	12.1	11	-	-	-	822139	807588	-	-	-	-		
					Bottom	8.3	0.6	193	19.3	19.3	7.9	7.9	27.9	27.9	92.0	92.0	7.2	7.2	18.8	12.1	30	-	-	-	-	822139	807588	-	-	-	-	
						8.3	0.6	204	19.3	19.3	7.9	7.9	27.9	27.9	92.0	92.0	7.2	7.2	18.8	12.1	33	-	-	-	-	822139	807588	-	-	-	-	
SR4A	Cloudy	Moderate	11:26	8.2	Surface	1.0	0.3	229	19.0	19.0	8.0	8.0	29.2	29.2	89.3	89.3	7.0	7.0	11.5	7.0	19	-	-	817185	807796	-	-	-	-			
						1.0	0.4	249	19.0	19.0	8.0	8.0	29.2	29.2	89.3	89.3	7.0	7.0	11.5	7.0	20	-	-	-	817185	807796	-	-	-	-		
					Middle	4.1	0.3	215	19.0	19.0	8.0	8.0	29.2	29.2	89.2	89.2	6.9	6.9	11.8	12.5	21	-	-	-	-	817185	807796	-	-	-	-	
						4.1	0.3	221	19.0	19.0	8.0	8.0	29.2	29.2	89.1	89.1	6.9	6.9	11.7	12.5	21	-	-	-	-	817185	807796	-	-	-	-	
					Bottom	7.2	0.3	215	19.0	19.0	8.0	8.0	29.2	29.2	89.1	89.1	6.9	6.9	14.2	12.5	26	-	-	-	-	-	817185	807796	-	-	-	-
						7.2	0.3	223	19.0	19.0	8.0	8.0	29.2	29.2	89.1	89.1	6.9	6.9	14.2	12.5	25	-	-	-	-	-	817185	807796	-	-	-	-
SR5A	Cloudy	Calm	11:01	3.9	Surface	1.0	0.3	226	19.0	19.0	7.9	7.9	28.9	28.9	88.5	88.5	6.9	6.9	8.7	6.9	15	-	-	816579	810708	-	-	-	-			
						1.0	0.3	234	19.0	19.0	7.9	7.9	28.9	28.9	88.5	88.5	6.9	6.9	8.8	6.9	13	-	-	-	816579	810708	-	-	-	-		
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810708	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810708	-	-	-	-
					Bottom	2.9	0.2	223	19.0	19.0	7.9	7.9	28.9	28.9	88.7	88.7	6.9	6.9	16.1	12.4	15	-	-	-	-	-	816579	810708	-	-	-	-
						2.9	0.3	238	19.0	19.0	7.9	7.9	28.9	28																		

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

Water Quality Monitoring

Water Quality Monitoring Results on 19 January 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	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Sunny	Moderate	17:14	9.1	Surface	1.0	0.4	170	19.3	8.1	8.1	29.0	29.0	95.1	95.1	7.4	7.4	3.5	4.8	4	7	92	94	815621	804229	<0.2	<0.2	1.3	0.9			
						1.0	0.4	174	19.3	8.1	8.1	29.0	29.0	95.1	95.1	7.4	7.4	3.6	4.8	3	7	93	94	94	94	<0.2	<0.2	1.2	0.9			
					Middle	4.6	0.4	160	19.1	8.1	8.1	29.8	29.8	93.9	93.9	7.3	7.3	5.4	7.9	7	9	94	94	94	94	<0.2	<0.2	0.9	0.9			
						4.6	0.4	165	19.1	8.1	8.1	29.8	29.8	93.9	93.9	7.3	7.3	5.4	7.9	7	9	94	94	94	94	<0.2	<0.2	0.9	0.9			
					Bottom	8.1	0.4	175	19.1	8.1	8.1	29.9	29.9	94.8	94.9	7.3	7.3	5.5	7.9	8	9	94	94	94	94	<0.2	<0.2	0.6	0.9			
						8.1	0.5	191	19.1	8.1	8.1	29.9	29.9	94.9	94.9	7.3	7.3	5.4	7.9	9	9	95	95	95	95	<0.2	<0.2	0.7	0.7			
C2	Cloudy	Moderate	16:46	11.7	Surface	1.0	0.6	91	19.6	7.8	7.8	26.7	26.7	93.1	93.1	7.3	7.2	5.7	10.0	4	7	87	90	825694	806955	<0.2	<0.2	2.3	1.9			
						1.0	0.7	97	19.6	7.8	7.8	26.7	26.7	93.1	93.1	7.3	7.2	5.7	10.0	3	7	86	90	90	90	<0.2	<0.2	2.2	1.9			
					Middle	5.9	0.3	102	19.4	7.8	7.8	27.5	27.5	91.3	91.3	7.1	7.1	9.8	7.1	6	6	90	90	90	90	<0.2	<0.2	1.9	1.8			
						5.9	0.3	105	19.4	7.8	7.8	27.5	27.5	91.3	91.3	7.1	7.1	9.8	7.1	6	6	90	90	90	90	<0.2	<0.2	1.8	1.8			
					Bottom	10.7	0.2	79	19.3	7.9	7.9	28.1	28.1	91.1	91.1	7.1	7.1	14.5	7.1	11	7.1	92	93	92	93	<0.2	<0.2	1.6	1.8			
						10.7	0.2	84	19.3	7.9	7.9	28.1	28.1	91.1	91.1	7.1	7.1	14.5	7.1	12	7.1	93	93	93	93	<0.2	<0.2	1.8	1.8			
C3	Cloudy	Moderate	19:27	12.1	Surface	1.0	0.3	107	19.4	8.0	8.0	28.8	28.8	87.5	87.5	6.8	6.8	2.3	2.0	4	4	90	90	822117	817812	<0.2	<0.2	1.2	2.0			
						1.0	0.3	107	19.4	8.0	8.0	28.8	28.8	87.4	87.5	6.8	6.8	2.3	2.0	4	4	90	90	90	90	<0.2	<0.2	1.4	2.0			
					Middle	6.1	0.3	133	19.4	8.0	8.0	29.2	29.2	86.7	86.7	6.7	6.7	1.8	6.7	4	4	94	93	94	93	<0.2	<0.2	3.6	2.0			
						6.1	0.3	144	19.4	8.0	8.0	29.2	29.2	86.7	86.7	6.7	6.7	1.8	6.7	4	4	94	93	94	93	<0.2	<0.2	3.5	2.0			
					Bottom	11.1	0.3	206	19.4	8.0	8.0	29.4	29.4	87.2	87.2	6.7	6.7	1.8	6.7	4	6.7	95	95	95	95	<0.2	<0.2	1.1	2.0			
						11.1	0.3	210	19.4	8.0	8.0	29.4	29.4	87.2	87.2	6.7	6.7	1.8	6.7	4	6.7	95	95	95	95	<0.2	<0.2	1.2	2.0			
IM1	Sunny	Moderate	17:23	7.5	Surface	1.0	0.4	144	19.3	8.1	8.1	28.6	28.6	95.5	95.5	7.4	7.4	3.3	4.6	4	7	92	91	818365	806438	<0.2	<0.2	1.4	1.2			
						1.0	0.4	148	19.3	8.1	8.1	28.6	28.6	95.4	95.5	7.4	7.4	3.3	4.6	5	7	90	91	91	91	<0.2	<0.2	1.3	1.2			
					Middle	3.8	0.4	161	19.1	8.1	8.1	28.9	28.9	94.0	94.0	7.3	7.3	4.3	7.3	8	7	91	91	91	91	<0.2	<0.2	1.2	1.2			
						3.8	0.4	165	19.1	8.1	8.1	28.9	28.9	94.0	94.0	7.3	7.3	4.3	7.3	7	7	91	91	91	91	<0.2	<0.2	1.3	1.2			
					Bottom	6.5	0.4	160	19.0	8.1	8.1	29.1	29.1	94.6	94.6	7.4	7.4	6.0	7.4	9	7.4	92	92	92	92	<0.2	<0.2	1.0	1.2			
						6.5	0.4	172	19.0	8.1	8.1	29.1	29.1	94.6	94.6	7.4	7.4	6.1	7.4	7	7.4	92	92	92	92	<0.2	<0.2	1.1	1.2			
IM2	Sunny	Moderate	17:32	8.5	Surface	1.0	0.4	155	19.4	8.1	8.1	28.5	28.6	95.5	95.5	7.4	7.4	3.0	4.1	4	5	89	91	818838	806193	<0.2	<0.2	1.0	1.2			
						1.0	0.5	163	19.4	8.1	8.1	28.6	28.6	95.4	95.5	7.4	7.4	3.1	4.1	4	5	90	91	91	91	<0.2	<0.2	1.1	1.2			
					Middle	4.3	0.4	173	19.0	8.1	8.1	29.1	29.1	93.9	93.9	7.3	7.3	4.5	7.3	5	6	91	91	91	91	<0.2	<0.2	1.0	1.2			
						4.3	0.5	183	19.0	8.1	8.1	29.1	29.1	93.8	93.9	7.3	7.3	4.5	7.3	6	6	91	91	91	91	<0.2	<0.2	1.1	1.2			
					Bottom	7.5	0.4	147	19.0	8.1	8.1	29.2	29.2	94.6	94.7	7.4	7.4	4.9	7.4	6	7.4	92	92	92	92	<0.2	<0.2	1.4	1.2			
						7.5	0.4	156	19.0	8.1	8.1	29.2	29.2	94.7	94.7	7.4	7.4	4.8	7.4	6	7.4	92	92	92	92	<0.2	<0.2	1.3	1.2			
IM3	Sunny	Moderate	17:47	8.7	Surface	1.0	0.5	163	19.6	8.1	8.1	27.7	27.7	95.7	95.7	7.4	7.4	2.6	4.9	2	6	90	92	819429	806038	<0.2	<0.2	1.1	1.3			
						1.0	0.5	172	19.6	8.1	8.1	27.7	27.7	95.6	95.7	7.4	7.4	2.7	4.9	3	6	91	92	92	92	<0.2	<0.2	1.0	1.3			
					Middle	4.4	0.5	161	19.0	8.1	8.1	29.2	29.2	93.6	93.7	7.3	7.3	5.6	7.3	6	7.3	92	92	92	92	<0.2	<0.2	1.2	1.3			
						4.4	0.6	175	19.0	8.1	8.1	29.2	29.2	93.7	93.7	7.3	7.3	5.6	7.3	7	7.3	92	92	92	92	<0.2	<0.2	1.2	1.3			
					Bottom	7.7	0.7	162	19.0	8.1	8.1	29.3	29.3	94.1	94.1	7.3	7.3	6.4	7.3	9	7.3	93	93	93	93	<0.2	<0.2	1.6	1.3			
						7.7	0.7	174	19.0	8.1	8.1	29.3	29.3	94.1	94.1	7.3	7.3	6.2	7.3	9	7.3	92	92	92	92	<0.2	<0.2	1.6	1.3			
IM4	Cloudy	Moderate	18:04	8.3	Surface	1.0	0.4	168	19.3	8.1	8.1	28.3	28.3	95.0	95.0	7.4	7.4	3.2	4.7	5	6	90	91	819558	805058	<0.2	<0.2	1.0	1.3			
						1.0	0.5	171	19.3	8.1	8.1	28.3	28.3	94.9	95.0	7.4	7.4	3.2	4.7	5	6	90	91	91	91	<0.2	<0.2	1.0	1.3			
					Middle	4.2	0.4	164	19.1	8.1	8.1	28.8	28.8	94.2	94.2	7.3	7.3	4.6	7.3	6	7.3	91	91	91	91	<0.2	<0.2	1.3	1.3			
						4.2	0.4	165	19.1	8.1	8.1	28.8	28.8	94.2	94.2	7.3	7.3	4.7	7.3	4	7.3	91	91	91	91	<0.2	<0.2	1.4	1.3			
					Bottom	7.3	0.5	156	19.0	8.1	8.1	29.4	29.4	94.4	94.5	7.3	7.4	6.1	7.4	7	7.4	92	92	92	92	<0.2	<0.2	1.5	1.3			
						7.3	0.5	162	19.0	8.1	8.1	29.4	29.4	94.5	94.5	7.4	7.4	6.1	7.4	7	7.4	91	91	91	91	<0.2	<0.2	1.4	1.3			
IM5	Cloudy	Moderate	18:13	7.1	Surface	1.0	0.4	134	19.4	8.1	8.1	27.7	27.7	95.4	95.4	7.4	7.4	3.5	5.2	4	6	93	94	820558	804911	<0.2	<0.2	1.6	1.6			
						1.0	0.4	135	19.4	8.1	8.1	27.7	27.7	95.4	95.4	7.4	7.4	3.5	5.2	5	6	94	94	94	94	<0.2	<0.2	1.6	1.6			
					Middle	3.6	0.4	149	19.2	8.1	8.1	28.4	28.4	94.1	94.1	7.3	7.3	5.6	7.3	6	7.3	94	94	94	94	<0.2	<0.2	1.5	1.6			
						3.6	0.4	150	19.2	8.1	8.1	28.4	28.4	94.1	94.1	7.3	7.3	5.7	7.3	6	7.3	94	94	94	94	<0.2	<0.2	1.4	1.6			
					Bottom	6.1	0.4	152	19.0	8.1	8.1	29.2	29.2	94.1	94.2	7.3	7.3	6.5	7.3	6	7.3	95	95	95	95	<0.2	<0.2	1.8	1.6			
						6.1	0.4	162	19.0	8.1	8.1	29.2	29.2	94.2	94.2	7.3	7.3	6.4	7.3	6	7.3	95	95	95	95	<						

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

Water Quality Monitoring Results on 19 January 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
									IM9	Cloudy	Moderate	17:57	7.6	Surface	1.0	0.6	127	19.9	7.9	7.9	27.0	27.0	97.7	97.7			7.6	7.6	5.0	5.0	3	3
Middle	3.8	0.6	98	19.8	7.9	7.9	27.4	27.4	96.9	96.9	7.5	7.5	6.3	6.5	6.3	6.5	5	4	92	93	91	91	91	91	822109	808825	<0.2	2.0	<0.2	2.0		
																											3.8	0.6	105	19.8	7.9	7.9
Bottom	6.6	0.8	135	19.3	7.9	7.9	28.8	28.8	96.0	96.0	7.5	7.5	8.2	7.5	8.2	7.5	8.2	4	6	94	94	91	91	91	822109	808825	<0.2	2.0	<0.2	2.1		
																											6.6	0.8	137	19.3	7.9	7.9
IM10	Cloudy	Moderate	17:49	8.0	Surface	1.0	0.4	137	19.5	7.9	7.9	27.8	27.8	93.4	93.4	7.3	7.3	9.0	9.0	4	4	88	88	822252	809818	<0.2	1.9	<0.2	1.9			
Middle	4.0	0.4	144	19.4	7.9	7.9	28.0	28.0	92.2	92.2	7.2	7.2	12.5	11.2	12.5	11.2	10	8	93	93	92	92	92	92	822252	809818	<0.2	1.6	<0.2	1.5		
																											4.0	0.4	156	19.4	7.9	7.9
Bottom	7.0	0.3	142	19.4	7.8	7.8	28.4	28.4	93.3	93.3	7.3	7.3	12.1	7.3	12.1	7.3	12.1	10	11	94	94	92	92	92	822252	809818	<0.2	1.4	<0.2	1.7		
																											7.0	0.3	154	19.4	7.8	7.8
IM11	Cloudy	Moderate	17:40	8.4	Surface	1.0	0.5	124	19.6	7.9	7.9	27.8	27.8	93.4	93.4	7.3	7.3	9.7	9.7	9	10	89	89	821507	810555	<0.2	1.5	<0.2	1.5			
Middle	4.2	0.4	136	19.6	7.9	7.9	28.2	28.2	92.2	92.2	7.2	7.2	10.1	10.6	10.1	10.6	10	11	94	93	92	92	92	92	821507	810555	<0.2	1.4	<0.2	1.5		
																											4.2	0.4	138	19.6	7.9	7.9
Bottom	7.4	0.4	141	19.4	7.9	7.9	28.4	28.4	92.0	92.0	7.1	7.1	12.0	7.1	12.0	7.1	12.0	12	12	94	94	92	92	92	821507	810555	<0.2	1.6	<0.2	1.7		
																											7.4	0.4	146	19.4	7.9	7.9
IM12	Cloudy	Moderate	17:30	9.1	Surface	1.0	0.4	109	19.6	7.9	7.9	28.2	28.2	92.9	92.9	7.2	7.2	7.6	7.6	5	6	87	87	821157	811525	<0.2	1.7	<0.2	1.7			
Middle	4.6	0.3	115	19.6	7.9	7.9	28.3	28.3	92.2	92.2	7.1	7.1	7.7	7.7	7.7	7.7	8	7	93	92	91	91	91	821157	811525	<0.2	1.5	<0.2	1.5			
																										4.6	0.4	117	19.6	7.9	7.9	28.3
Bottom	8.1	0.3	144	19.5	7.9	7.9	28.5	28.5	92.6	92.6	7.2	7.2	7.8	7.2	7.8	7.2	7.8	8	9	94	94	92	92	92	821157	811525	<0.2	1.2	<0.2	1.4		
																											8.1	0.3	144	19.5	7.9	7.9
SR2	Cloudy	Moderate	19:00	4.2	Surface	1.0	0.3	108	19.5	8.0	8.0	27.9	27.9	92.6	92.6	7.2	7.2	3.4	3.4	4	4	89	88	821468	814147	<0.2	1.4	<0.2	1.3			
Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821468	814147	-	-	-	-			
																										2.1	-	-	-	-	-	-
Bottom	3.2	0.2	137	19.5	8.0	8.0	27.9	27.9	93.1	94.1	7.3	7.4	4.7	7.4	5.2	7	7	95	95	92	92	92	92	821468	814147	<0.2	1.4	<0.2	1.3			
																										3.2	0.2	137	19.5	8.0	8.0	27.9
SR3	Cloudy	Moderate	18:13	9.1	Surface	1.0	0.6	148	19.8	7.9	7.9	26.2	26.2	95.8	95.8	7.5	7.5	5.8	5.8	5	4	-	-	822142	807566	-	-	-	-			
Middle	4.6	0.6	126	19.3	7.9	7.9	28.5	28.5	94.2	94.2	7.3	7.3	8.4	9.5	8.4	9.5	6	7	-	-	-	-	-	-	822142	807566	-	-	-	-		
																											4.6	0.6	136	19.3	7.9	7.9
Bottom	8.1	0.6	125	19.2	7.9	7.9	29.0	29.0	93.5	93.5	7.3	7.3	14.3	7.3	14.3	10	11	-	-	-	-	-	-	822142	807566	-	-	-	-			
																										8.1	0.7	126	19.2	7.9	7.9	29.0
SR4A	Cloudy	Calm	17:06	8.1	Surface	1.0	0.5	103	19.2	8.1	8.1	28.4	28.4	95.9	95.9	7.5	7.5	3.6	3.7	6	7	-	-	817179	807793	-	-	-	-			
Middle	4.1	0.6	104	19.2	8.1	8.1	28.4	28.4	95.6	95.6	7.5	7.5	3.8	3.8	3.8	3.8	6	7	-	-	-	-	-	-	817179	807793	-	-	-	-		
																											4.1	0.6	112	19.2	8.1	8.1
Bottom	7.1	0.6	108	19.2	8.1	8.1	28.4	28.4	95.6	95.6	7.5	7.5	3.9	7.5	3.9	8	8	-	-	-	-	-	-	817179	807793	-	-	-	-			
																										7.1	0.6	117	19.2	8.1	8.1	28.4
SR5A	Cloudy	Moderate	17:01	4.2	Surface	1.0	0.1	123	19.2	8.0	8.0	29.0	29.0	92.3	92.4	7.2	7.2	5.3	5.3	8	8	-	-	816605	810706	-	-	-	-			
Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816605	810706	-	-	-	-			
																										2.1	-	-	-	-	-	-
Bottom	3.2	0.1	188	19.2	8.0	8.0	29.2	29.2	94.2	94.2	7.3	7.3	6.5	7.3	6.5	11	9	-	-	-	-	-	-	816605	810706	-	-	-	-			
																										3.2	0.1	199	19.2	8.0	8.0	29.2
SR6	Cloudy	Moderate	16:40	4.0	Surface																											

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

Water Quality Monitoring Results on **21 January 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	Fine	Moderate	13:21	8.8	Surface	1.0	0.6	130	19.0	8.0	8.0	28.9	28.9	95.8	95.8	7.5	3.8	3	4	90	90	92	92	815627	804258	<0.2	<0.2	0.6	0.6					
						1.0	0.6	138	19.0	8.0	8.0	28.9	28.9	95.7	95.8	7.5	3.9	3	3	4	90	90	92	92	815627	804258	<0.2	<0.2	0.6	0.6				
					Middle	4.4	0.6	103	19.1	8.0	8.0	29.6	29.6	94.9	94.9	7.4	3.7	4	5	5	92	92	93	93	815627	804258	<0.2	<0.2	0.3	0.3				
						4.4	0.6	112	19.1	8.0	8.0	29.6	29.6	94.9	94.9	7.4	3.7	4	4	5	93	93	94	94	815627	804258	<0.2	<0.2	0.3	0.3				
					Bottom	7.8	0.6	118	19.1	8.0	8.0	29.5	29.5	95.1	95.1	7.4	4.2	7.4	5	6	94	94	95	95	815627	804258	<0.2	<0.2	0.2	0.2				
						7.8	0.6	125	19.1	8.0	8.0	29.5	29.5	95.1	95.1	7.4	4.2	7.4	6	6	95	95	95	95	815627	804258	<0.2	<0.2	0.3	0.3				
C2	Sunny	moderate	12:11	12.1	Surface	1.0	0.2	157	19.3	8.0	8.0	28.1	28.1	96.6	96.6	7.5	4.5	2	2	84	84	90	90	825664	806939	<0.2	<0.2	1.3	1.3					
						1.0	0.2	162	19.3	8.0	8.0	28.1	28.1	96.6	96.6	7.5	4.5	3	3	4	85	85	90	90	825664	806939	<0.2	<0.2	1.4	1.4				
					Middle	6.1	0.2	214	19.4	8.0	8.0	28.6	28.6	93.1	93.1	7.2	4.7	4.7	4	4	90	90	91	91	825664	806939	<0.2	<0.2	1.2	1.2				
						6.1	0.2	219	19.4	8.0	8.0	28.6	28.6	93.1	93.1	7.2	4.7	4.7	4	4	91	91	92	92	825664	806939	<0.2	<0.2	1.2	1.2				
					Bottom	11.1	0.2	254	19.5	8.0	8.0	29.2	29.2	94.4	94.4	7.3	5.0	7.3	4	4	94	94	94	94	825664	806939	<0.2	<0.2	0.8	0.8				
						11.1	0.2	255	19.5	8.0	8.0	29.2	29.2	94.4	94.4	7.3	5.0	7.3	4	4	94	94	94	94	825664	806939	<0.2	<0.2	1.0	1.0				
C3	Sunny	moderate	14:05	12.1	Surface	1.0	0.3	228	19.6	8.0	8.0	29.9	29.9	88.6	88.6	6.8	3.3	2	2	90	90	92	92	822105	817800	<0.2	<0.2	0.4	0.4					
						1.0	0.3	237	19.6	8.0	8.0	29.9	29.9	88.6	88.6	6.8	3.3	2	2	4	89	89	92	92	822105	817800	<0.2	<0.2	0.3	0.3				
					Middle	6.1	0.3	256	19.5	8.0	8.0	30.0	30.0	87.4	87.4	6.7	3.8	4.1	2	4	91	91	92	92	822105	817800	<0.2	<0.2	0.4	0.4				
						6.1	0.3	281	19.5	8.0	8.0	30.0	30.0	87.4	87.4	6.7	3.8	4.1	3	4	92	92	95	95	822105	817800	<0.2	<0.2	0.4	0.4				
					Bottom	11.1	0.3	252	19.5	7.9	7.9	30.0	30.0	89.2	89.2	6.9	5.3	6.9	6	6	95	95	95	95	822105	817800	<0.2	<0.2	0.3	0.3				
						11.1	0.3	266	19.5	7.9	7.9	30.0	30.0	89.2	89.2	6.9	5.3	6.9	7	7	95	95	95	95	822105	817800	<0.2	<0.2	0.3	0.3				
IM1	Fine	Moderate	12:56	7.6	Surface	1.0	0.5	139	19.3	8.0	8.0	28.5	28.5	96.0	96.0	7.5	3.5	6	6	88	88	91	91	818369	806439	<0.2	<0.2	0.5	0.5					
						1.0	0.6	151	19.3	8.0	8.0	28.5	28.5	96.0	96.0	7.5	3.5	7	7	90	90	92	92	818369	806439	<0.2	<0.2	0.4	0.4					
					Middle	3.8	0.6	143	19.1	8.0	8.0	28.8	28.8	95.4	95.4	7.5	3.5	3.8	8	8	91	91	92	92	818369	806439	<0.2	<0.2	0.6	0.6				
						3.8	0.6	152	19.1	8.0	8.0	28.8	28.8	95.4	95.4	7.5	3.6	3.8	8	8	90	90	93	93	818369	806439	<0.2	<0.2	0.6	0.6				
					Bottom	6.6	0.5	163	19.1	8.0	8.0	29.2	29.2	96.1	96.1	7.5	4.3	7.5	8	8	93	93	94	94	818369	806439	<0.2	<0.2	0.3	0.3				
						6.6	0.5	163	19.1	8.0	8.0	29.2	29.2	96.1	96.1	7.5	4.3	7.5	8	8	94	94	94	94	818369	806439	<0.2	<0.2	0.4	0.4				
IM2	Fine	Moderate	12:49	8.4	Surface	1.0	0.4	157	19.3	8.0	8.0	28.5	28.5	96.1	96.1	7.5	2.3	4	4	90	90	92	92	818864	806192	<0.2	<0.2	0.8	0.8					
						1.0	0.4	169	19.3	8.0	8.0	28.5	28.5	96.1	96.1	7.5	2.3	3	3	4	89	89	92	92	818864	806192	<0.2	<0.2	0.8	0.8				
					Middle	4.2	0.4	125	19.1	8.0	8.0	29.0	29.0	95.4	95.4	7.4	3.4	3.3	2	4	92	92	91	91	818864	806192	<0.2	<0.2	0.5	0.5				
						4.2	0.5	126	19.1	8.0	8.0	29.0	29.0	95.4	95.4	7.4	3.4	3.3	3	4	91	91	94	94	818864	806192	<0.2	<0.2	0.6	0.6				
					Bottom	7.4	0.4	127	19.1	8.0	8.0	29.0	29.0	96.0	96.0	7.5	4.1	7.5	6	6	94	94	94	94	818864	806192	<0.2	<0.2	0.4	0.4				
						7.4	0.4	132	19.1	8.0	8.0	29.0	29.0	96.1	96.1	7.5	4.2	7.5	6	6	94	94	94	94	818864	806192	<0.2	<0.2	0.4	0.4				
IM3	Fine	Moderate	12:42	8.5	Surface	1.0	0.6	160	19.2	8.0	8.0	27.6	27.6	96.6	96.6	7.6	2.4	3	3	91	91	93	93	819422	806019	<0.2	<0.2	1.0	1.0					
						1.0	0.6	162	19.2	8.0	8.0	27.6	27.6	96.5	96.5	7.6	2.5	3	3	4	90	90	93	93	819422	806019	<0.2	<0.2	0.9	0.9				
					Middle	4.3	0.5	126	19.1	8.0	8.0	28.8	28.8	95.8	95.8	7.5	3.7	3.6	4	4	94	94	94	94	819422	806019	<0.2	<0.2	0.8	0.8				
						4.3	0.6	136	19.1	8.0	8.0	28.8	28.8	95.8	95.8	7.5	3.7	3.6	4	4	94	94	94	94	819422	806019	<0.2	<0.2	0.8	0.8				
					Bottom	7.5	0.5	158	19.1	8.0	8.0	29.0	29.0	96.4	96.5	7.5	4.7	7.5	6	6	94	94	93	93	819422	806019	<0.2	<0.2	0.4	0.4				
						7.5	0.6	159	19.1	8.0	8.0	29.0	29.0	96.5	96.5	7.5	4.7	7.5	6	6	93	93	93	93	819422	806019	<0.2	<0.2	0.4	0.4				
IM4	Fine	Moderate	12:34	8.1	Surface	1.0	0.4	163	19.0	8.0	8.0	27.3	27.3	97.1	97.1	7.7	2.5	5	5	89	89	92	92	819574	805020	<0.2	<0.2	1.1	1.1					
						1.0	0.4	163	19.0	8.0	8.0	27.3	27.3	97.0	97.1	7.7	2.5	5	5	90	90	92	92	819574	805020	<0.2	<0.2	1.2	1.2					
					Middle	4.1	0.4	115	19.0	8.0	8.0	28.5	28.5	95.9	96.0	7.5	3.4	3.1	3	5	92	92	92	92	819574	805020	<0.2	<0.2	1.0	1.0				
						4.1	0.4	115	19.0	8.0	8.0	28.5	28.5	96.0	96.0	7.5	3.3	3.1	4	5	92	92	94	94	819574	805020	<0.2	<0.2	1.1	1.1				
					Bottom	7.1	0.4	133	19.1	8.0	8.0	29.0	29.0	96.8	96.8	7.6	3.4	7.6	5	6	94	94	94	94	819574	805020	<0.2	<0.2	0.7	0.7				
						7.1	0.5	145	19.1	8.0	8.0	29.0	29.0	96.8	96.8	7.6	3.4	7.6	6	6	94	94	94	94	819574	805020	<0.2	<0.2	0.7	0.7				
IM5	Fine	Moderate	12:25	6.8	Surface	1.0	0.4	206	18.9	8.0	8.0	27.4	27.4	98.0	98.0	7.8	2.4	4	4	90	90	91	91	820577	804932	<0.2	<0.2	0.9	0.9					
						1.0	0.4	218	18.9	8.0	8.0	27.4	27.4	98.0	98.0	7.7	2.4	4	4	89	89	91	91	820577	804932	<0.2	<0.2	1.0	1.0					
					Middle	3.4	0.4	198	18.8	8.0	8.0	27.4	27.4	96.0	96.0	7.6	3.2	3.3	3	4	91	91	91	91	820577	804932	<0.2	<0.2	1.1	1.1				
						3.4	0.4	204	18.8	8.0	8.0	27.4	27.4	96.0	96.0	7.6	3.2	3.3	5	4	91	91	94	94	820577	804932	<0.2	<0.2	1.2	1.2				
					Bottom	5.8	0.4	164	19.1	8.0	8.0	28.6	28.6	97.3	97.4	7.6	4.3	7.6	3	3	94	94												

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

Water Quality Monitoring Results on 21 January 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)				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		DA		Value		DA				Value		DA		Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA						
IM9	Sunny	moderate	12:55	7.4	Surface	1.0	0.3	184	19.4	8.0	8.0	28.0	28.0	97.2	97.2	7.6	7.5	5.5	7.5	3	5	84	89	822083	808823	<0.2	<0.2	1.4	1.4					
						1.0	0.3	190	19.4	8.0	8.0	28.0	28.0	97.2	97.2	7.6	7.5	5.5	7.5	3	5	84	89	822083	808823	<0.2	<0.2	1.3	1.4					
					Middle	3.7	0.3	228	19.4	8.0	8.0	28.2	28.2	95.0	95.0	7.4	7.5	7.2	7.5	7.2	7.5	3	5	89	90	822083	808823	<0.2	<0.2	1.4	1.4			
						3.7	0.4	237	19.4	8.0	8.0	28.2	28.2	95.0	95.0	7.4	7.5	7.2	7.5	7.2	7.5	3	5	89	90	822083	808823	<0.2	<0.2	1.4	1.4			
					Bottom	6.4	0.3	213	19.3	8.0	8.0	28.7	28.7	95.2	95.2	7.4	7.4	9.9	7.4	9.9	7.4	7.4	9	8	93	94	822083	808823	<0.2	<0.2	1.5	1.4		
						6.4	0.3	233	19.3	8.0	8.0	28.7	28.7	95.2	95.2	7.4	7.4	9.9	7.4	9.9	7.4	7.4	8	8	94	94	822083	808823	<0.2	<0.2	1.4	1.4		
IM10	Sunny	moderate	13:03	7.4	Surface	1.0	0.4	230	19.3	8.0	8.0	28.3	28.3	95.0	95.0	7.4	7.3	4.9	6.7	3	4	85	89	822229	809840	<0.2	<0.2	1.6	1.5					
						1.0	0.4	235	19.3	8.0	8.0	28.3	28.3	95.0	95.0	7.4	7.3	4.9	6.7	3	4	85	89	822229	809840	<0.2	<0.2	1.6	1.5					
					Middle	3.7	0.4	250	19.3	7.9	7.9	28.6	28.6	93.2	93.2	7.2	7.3	5.8	6.7	5.8	6.7	4	4	88	88	822229	809840	<0.2	<0.2	1.6	1.5			
						3.7	0.4	261	19.3	7.9	7.9	28.6	28.6	93.1	93.2	7.2	7.3	5.8	6.7	3	4	88	88	822229	809840	<0.2	<0.2	1.6	1.5					
					Bottom	6.4	0.4	232	19.5	7.9	7.9	29.1	29.1	96.0	96.0	7.4	7.4	9.3	7.4	9.3	7.4	7.4	6	7	93	94	822229	809840	<0.2	<0.2	1.2	1.3		
						6.4	0.4	253	19.5	7.9	7.9	29.1	29.1	96.0	96.0	7.4	7.4	9.3	7.4	9.3	7.4	7.4	7	7	94	94	822229	809840	<0.2	<0.2	1.2	1.3		
IM11	Sunny	moderate	13:12	8.2	Surface	1.0	0.4	218	19.5	7.9	7.9	28.3	28.3	95.6	95.6	7.4	7.3	4.8	6.1	3	4	85	90	821508	810553	<0.2	<0.2	1.1	1.2					
						1.0	0.4	231	19.5	7.9	7.9	28.3	28.3	95.6	95.6	7.4	7.3	4.8	6.1	3	4	86	90	821508	810553	<0.2	<0.2	1.0	1.2					
					Middle	4.1	0.4	220	19.5	7.9	7.9	28.4	28.4	92.8	92.8	7.2	7.3	5.3	6.1	5.3	6.1	3	4	91	91	821508	810553	<0.2	<0.2	1.6	1.4			
						4.1	0.4	223	19.5	7.9	7.9	28.4	28.4	92.8	92.8	7.2	7.3	5.3	6.1	2	4	91	91	821508	810553	<0.2	<0.2	1.4	1.4					
					Bottom	7.2	0.4	235	19.6	7.9	7.9	29.4	29.4	90.6	90.6	7.0	7.0	8.2	7.0	8.2	7.0	7.0	7	7	93	94	821508	810553	<0.2	<0.2	1.0	1.0		
						7.2	0.5	239	19.6	7.9	7.9	29.4	29.4	90.6	90.6	7.0	7.0	8.2	7.0	8.2	7.0	7.0	7	7	94	94	821508	810553	<0.2	<0.2	1.0	1.0		
IM12	Sunny	moderate	13:21	9.0	Surface	1.0	0.3	215	19.5	7.9	7.9	28.5	28.5	91.7	91.6	7.1	7.0	4.8	6.8	3	4	89	92	821180	811510	<0.2	<0.2	1.0	1.0					
						1.0	0.4	230	19.5	7.9	7.9	28.5	28.5	91.5	91.6	7.1	7.0	4.8	6.8	4	4	89	92	821180	811510	<0.2	<0.2	1.1	1.0					
					Middle	4.5	0.4	222	19.5	7.9	7.9	29.3	29.3	87.9	87.9	6.8	7.0	6.3	6.8	6.3	6.8	2	4	92	92	821180	811510	<0.2	<0.2	1.0	1.0			
						4.5	0.4	240	19.5	7.9	7.9	29.3	29.3	87.9	87.9	6.8	7.0	6.3	6.8	3	4	92	92	821180	811510	<0.2	<0.2	1.0	1.0					
					Bottom	8.0	0.4	213	19.6	7.9	7.9	29.5	29.5	90.4	90.4	7.0	7.0	9.2	7.0	9.2	7.0	7.0	6	8	94	94	821180	811510	<0.2	<0.2	1.0	0.9		
						8.0	0.4	220	19.6	7.9	7.9	29.5	29.5	90.4	90.4	7.0	7.0	9.2	7.0	9.2	7.0	7.0	8	8	94	94	821180	811510	<0.2	<0.2	1.0	0.9		
SR2	Sunny	moderate	13:42	4.7	Surface	1.0	0.2	181	19.6	7.9	7.9	28.9	28.9	93.6	93.6	7.2	7.2	5.0	4.9	3	4	85	90	821480	814178	<0.2	<0.2	1.1	1.1					
						1.0	0.2	196	19.6	7.9	7.9	28.9	28.9	93.6	93.6	7.2	7.2	5.0	4.9	4	4	85	90	821480	814178	<0.2	<0.2	1.1	1.1					
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821480	814178	-	<0.2	-	-		
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821480	814178	-	<0.2	-	-		
					Bottom	3.7	0.2	168	19.6	7.9	7.9	29.2	29.2	95.7	95.7	7.4	7.4	4.8	7.4	4.8	7.4	4.8	7.4	4	5	95	95	821480	814178	<0.2	<0.2	1.2	1.1	
						3.7	0.2	175	19.6	7.9	7.9	29.2	29.2	95.7	95.7	7.4	7.4	4.8	7.4	4.8	7.4	4.8	7.4	5	5	95	95	821480	814178	<0.2	<0.2	1.1	1.1	
SR3	Sunny	moderate	12:40	9.2	Surface	1.0	0.3	207	19.2	8.0	8.0	27.8	27.8	99.7	99.7	7.8	7.8	5.1	6.8	3	4	-	-	822143	807580	-	-	-	-					
						1.0	0.4	225	19.2	8.0	8.0	27.8	27.8	99.7	99.7	7.8	7.8	5.1	6.8	2	4	-	-	-	-	822143	807580	-	-	-	-			
					Middle	4.6	0.4	167	18.9	8.0	8.0	28.2	28.2	97.4	97.4	7.7	7.7	6.4	6.8	6.4	6.8	5	4	-	-	822143	807580	-	-	-	-			
						4.6	0.4	177	18.9	8.0	8.0	28.2	28.2	97.4	97.4	7.7	7.7	6.4	6.8	5	4	-	-	-	-	822143	807580	-	-	-	-			
					Bottom	8.2	0.3	176	19.1	8.0	8.0	29.2	29.2	98.6	98.6	7.7	7.7	8.9	7.7	8.9	7.7	7.7	6	6	-	-	822143	807580	-	-	-	-		
						8.2	0.3	179	19.1	8.0	8.0	29.2	29.2	98.6	98.6	7.7	7.7	8.9	7.7	8.9	7.7	7.7	6	6	-	-	822143	807580	-	-	-	-		
SR4A	Fine	Cloudy	13:43	9.2	Surface	1.0	0.3	197	19.4	8.0	8.0	27.8	27.8	93.3	93.3	7.3	7.3	6.3	6.7	10	11	-	-	817181	807791	-	-	-	-					
						1.0	0.3	203	19.4	8.0	8.0	27.8	27.8	93.3	93.3	7.3	7.3	6.3	6.7	10	11	-	11	-	-	817181	807791	-	-	-	-			
					Middle	4.6	0.2	199	19.2	8.0	8.0	28.1	28.1	92.5	92.5	7.2	7.2	6.9	6.7	6.9	6.7	10	11	-	-	817181	807791	-	-	-	-			
						4.6	0.3	202	19.2	8.0	8.0	28.1	28.1	92.5	92.5	7.2	7.2	6.9	6.7	6.9	6.7	11	11	-	-	817181	807791	-	-	-	-			
					Bottom	8.2	0.3	147	19.1	8.0	8.0	28.4	28.4	93.3	93.3	7.3	7.3	7.0	7.3	7.0	7.3	7.3	12	11	-	-	817181	807791	-	-	-	-		
						8.2	0.3	158	19.1	8.0	8.0	28.4	28.4	93.3	93.3	7.3	7.3	7.0	7.3	7.0	7.3	7.3	11	11	-	-	817181	807791	-	-	-	-		
SR5A	Fine	Cloudy	14:02	3.6	Surface	1.0	0.1	202	19.6	7.9	7.9	27.3	27.3	95.7	95.7	7.5	7.5	4.3	4.7	5	6	-	-	816599	810680	-	-	-	-					
						1.0	0.1	219	19.5	7.9	7.9	27.3	27.3	95.6	95.6	7.5	7.5	4.4	4.7	5	6	-	6	-	-	816599	810680	-	-	-	-			
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816599	810680	-	-	-	-		
						1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816599	810680	-	-	-	-		
					Bottom	2.6	0.1	186	19.3	7.9	7.9	27.5	27.5	95.4	95.5	7.5																		

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

Water Quality Monitoring Results on 21 January 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
C1	Cloudy	Moderate	06:42	8.6	Surface	1.0	0.4	205	18.8	18.8	8.0	8.0	28.4	28.4	95.3	95.3	7.5	7.5	2.3	3.2	4	4	91	92	815627	804265	<0.2	<0.2	0.5	0.5
						1.0	0.4	210	18.8	8.0	8.0	28.4	28.4	95.3	95.3	7.5	7.5	2.3	3.2	4	4	89	92							
						4.3	0.4	180	18.9	8.0	8.0	28.8	28.8	94.8	94.9	7.4	7.4	2.6	3.2	4	4	93	92							
					4.3	0.4	193	18.9	8.0	8.0	28.8	28.8	94.9	94.9	7.4	7.4	2.7	3.2	5	4	92	92								
					7.6	0.4	182	19.1	8.0	8.0	29.1	29.1	95.0	95.0	7.4	7.4	4.5	7.4	5	4	94	94								
					7.6	0.4	197	19.1	8.0	8.0	29.1	29.1	95.0	95.0	7.4	7.4	4.5	7.4	4	4	94	94								
C2	Cloudy	Moderate	07:48	11.7	Surface	1.0	0.2	234	19.3	19.3	7.9	7.9	28.4	28.4	92.6	92.6	7.2	7.1	4.5	5.0	3	3	92	93	825683	806957	<0.2	<0.2	1.0	1.0
						1.0	0.2	241	19.3	7.9	7.9	28.4	28.4	92.6	92.6	7.2	7.1	4.5	5.0	3	3	90	93							
						5.9	0.2	250	19.4	7.9	7.9	28.6	28.6	90.6	90.6	7.0	7.0	4.7	7.0	4	3	91	92							
					5.9	0.2	250	19.4	7.9	7.9	28.6	28.6	90.6	90.6	7.0	7.0	4.7	7.0	3	3	92	92								
					10.7	0.2	179	19.6	7.9	7.9	29.5	29.5	90.3	90.3	7.0	7.0	5.8	7.0	3	3	96	93								
					10.7	0.2	196	19.6	7.9	7.9	29.5	29.5	90.3	90.3	7.0	7.0	5.8	7.0	4	3	95	93								
C3	Cloudy	Moderate	05:51	11.9	Surface	1.0	0.2	130	19.1	19.1	7.9	7.9	29.3	29.3	90.3	90.3	7.0	6.9	3.8	4.0	5	5	88	91	822123	817813	<0.2	<0.2	0.6	0.6
						1.0	0.2	136	19.1	7.9	7.9	29.3	29.3	90.3	90.3	7.0	6.9	3.8	4.0	5	5	88	91							
						6.0	0.2	119	19.3	7.9	7.9	29.6	29.6	88.0	88.1	6.8	6.8	3.9	6.8	6	5	91	91							
					6.0	0.2	124	19.3	7.9	7.9	29.6	29.6	88.1	88.1	6.8	6.8	3.9	6.8	6	5	91	91								
					10.9	0.2	154	19.4	7.9	7.9	29.8	29.8	88.5	88.5	6.8	6.8	4.3	6.8	4	5	94	91								
					10.9	0.2	168	19.4	7.9	7.9	29.8	29.8	88.5	88.5	6.8	6.8	4.3	6.8	6	5	94	91								
IM1	Cloudy	Moderate	07:04	7.3	Surface	1.0	0.2	186	19.1	19.1	7.9	8.0	27.8	27.8	93.8	93.8	7.4	7.4	2.6	3.3	4	6	89	92	818368	806474	<0.2	<0.2	0.6	0.6
						1.0	0.3	200	19.1	8.0	8.0	27.8	27.8	93.8	93.8	7.4	7.4	2.6	3.3	5	6	90	92							
						3.7	0.3	160	19.1	7.9	7.9	28.9	28.9	93.9	94.0	7.3	7.3	3.5	3.3	6	6	92	92							
					3.7	0.3	162	19.1	7.9	7.9	28.9	28.9	94.0	94.0	7.3	7.3	3.6	3.3	6	6	94	92								
					6.3	0.3	184	19.1	7.9	7.9	28.6	28.6	94.7	94.8	7.4	7.4	3.8	7.4	6	6	94	92								
					6.3	0.3	188	19.1	7.9	7.9	28.5	28.6	94.8	94.8	7.4	7.4	3.7	7.4	8	6	95	92								
IM2	Cloudy	Moderate	07:11	8.2	Surface	1.0	0.3	208	18.9	18.9	8.0	8.0	27.3	27.3	93.9	93.9	7.4	7.4	2.3	3.3	5	6	91	92	818865	806196	<0.2	<0.2	0.9	0.9
						1.0	0.3	228	18.9	8.0	8.0	27.3	27.3	93.8	93.9	7.4	7.4	2.3	3.3	4	6	90	92							
						4.1	0.3	167	19.1	8.0	8.0	29.2	29.2	93.6	93.6	7.3	7.3	3.4	3.3	7	6	92	92							
					4.1	0.3	180	19.1	8.0	8.0	29.2	29.2	93.5	93.6	7.3	7.3	3.4	3.3	6	6	92	92								
					7.2	0.3	168	19.1	8.0	8.0	29.0	29.0	94.4	94.4	7.4	7.4	4.1	7.4	8	6	93	92								
					7.2	0.3	169	19.1	8.0	8.0	29.0	29.0	94.4	94.4	7.4	7.4	4.2	7.4	6	6	94	92								
IM3	Cloudy	Moderate	07:18	8.6	Surface	1.0	0.5	211	18.9	18.9	8.0	8.0	27.6	27.6	94.2	94.2	7.4	7.4	2.8	3.5	4	5	90	92	819400	806012	<0.2	<0.2	1.0	1.0
						1.0	0.5	227	18.9	8.0	8.0	27.6	27.6	94.2	94.2	7.4	7.4	2.8	3.5	4	5	89	92							
						4.3	0.4	217	19.0	8.0	8.0	28.7	28.7	94.4	94.5	7.4	7.4	3.6	3.5	4	5	91	92							
					4.3	0.4	217	19.0	8.0	8.0	28.7	28.7	94.5	94.5	7.4	7.4	3.6	3.5	6	5	93	92								
					7.6	0.4	209	19.1	7.9	7.9	28.7	28.7	95.9	95.9	7.5	7.5	4.0	7.5	8	5	94	92								
					7.6	0.5	213	19.1	7.9	7.9	28.7	28.7	95.9	95.9	7.5	7.5	4.0	7.5	6	5	95	92								
IM4	Cloudy	Moderate	07:26	7.8	Surface	1.0	0.4	223	18.7	18.7	8.0	8.0	27.3	27.3	96.3	96.3	7.6	7.6	2.3	3.0	4	5	89	92	819554	805047	<0.2	<0.2	1.1	1.1
						1.0	0.4	242	18.7	8.0	8.0	27.3	27.3	96.2	96.3	7.6	7.6	2.3	3.0	4	5	90	92							
						3.9	0.4	192	18.7	8.0	8.0	27.6	27.6	95.3	95.3	7.6	7.6	2.7	3.0	6	5	93	92							
					3.9	0.4	194	18.7	8.0	8.0	27.6	27.6	95.2	95.3	7.5	7.5	2.8	3.0	5	5	93	92								
					6.8	0.4	171	19.0	7.9	7.9	28.7	28.7	96.1	96.1	7.5	7.5	3.9	7.5	7	6	94	92								
					6.8	0.4	180	19.0	7.9	7.9	28.7	28.7	96.1	96.1	7.5	7.5	3.9	7.5	6	6	94	92								
IM5	Cloudy	Moderate	07:35	6.9	Surface	1.0	0.3	221	18.7	18.7	8.0	8.0	27.5	27.5	97.0	97.0	7.7	7.7	1.9	2.5	5	5	89	92	820548	804913	<0.2	<0.2	6.9	6.9
						1.0	0.4	228	18.7	8.0	8.0	27.5	27.5	97.0	97.0	7.7	7.7	1.9	2.5	5	5	90	92							
						3.5	0.3	221	18.6	8.0	8.0	27.8	27.8	95.5	95.5	7.6	7.6	2.5	2.5	4	5	91	92							
					3.5	0.4	222	18.6	8.0	8.0	27.8	27.8	95.5	95.5	7.6	7.6	2.5	2.5	5	5	91	92								
					5.9	0.3	197	18.9	8.0	8.0	29.3	29.3	96.3	96.3	7.5	7.5	3.0	7.5	6	5	94	92								
					5.9	0.3	197	18.8	8.0	8.0	29.3	29.3	96.3	96.3	7.5	7.5	2.9	7.5	6	5	95	92								
IM6	Cloudy	Moderate	07:50	6.9	Surface	1.0	0.3	220	18.8	18.8	8.0	8.0	27.5	27.5	96.4	96.4	7.6	7.6	2.3	2.7	6	6	89	91	821046	805833	<0.2	<0.2	2.5	2.5
						1.0	0.3	240	18.8	8.0	8.0	27.5	27.5	96.4	96.4	7.6	7.6	2.3	2.7	5	6	88	91							
						3.5	0.3	237	18.8	8.0	8.0	27.3	27.3	95.5	95.5	7.6	7.6	2.6	2.7	5	6	91	91							
					3.5	0.3	258	18.8	8.0	8.0	27.3	27.3	95.5	95.5	7.6	7.6	2.6	2.7	5	6	92	91								
					5.9	0.3	180	18.9	8.0	8.0	28.7	28.7	95.9	95.9	7.5	7.5	3.1	7.5	8	6	94	91								
					5.9	0.3	184	18.9	8.0	8.0	28.7	28.7	95.9	95.9	7.5	7.5	3.1	7.5	9	6	94	91								
IM7	Cloudy	Moderate	08:00	8.1	Surface	1.0	0.3	230	18.9	18.9	8.0	8.0	27.2	27.2	95.7	95.7	7.6	7.6	2.8	3.9	5	6	91	92	821334	806853	<0.2	<0.2	1.6	1.6
						1.0	0.3	241	18.9	8.0	8.0	27.2	27.2	95.7	95.7	7.6	7.6	2.8	3.9	4	6	90	92							
						4.1	0.3	216	18.8	8.0	8.0	27.4	27.4	94.2	94.2	7.5	7.5	4.2	3.9	6	6	93	92							
					4.1	0.3	227	18.8	8.0	8.0	27.4	27.4	94.1	94.2	7.5	7.5	4.2	3.9	5	6	92	92								
					7.1	0.3	142	19.0	8.0	8.0	28.6	28.6	95.1	95.1	7.4	7.4	4.6	7.4	7	6	94	92								
					7.1	0.3	146	19.0	8.0	8.0	28.6	28.6	95.1	95.1	7.4	7.4	4.6	7.4	6	6	94	92								
IM8																														

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

Water Quality Monitoring

Water Quality Monitoring Results on 21 January 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		
IM9	Sunny	Moderate	07:07	7.0	Surface	1.0	0.3	191	19.0	19.0	8.0	8.0	27.7	27.7	97.5	97.5	7.7	7.7	5.8	7.0	5	6	89	92	822085	808811	<0.2	<0.2	1.6	1.3				
						1.0	0.4	197	19.0	19.0	8.0	8.0	27.7	27.7	97.5	97.5	7.7	7.7	5.8	7.0	3	6	89	92					1.5	1.3				
					Middle	3.5	0.3	182	19.0	19.0	8.0	8.0	27.9	27.9	97.4	97.4	7.7	7.7	6.6	7.0	4	6	92	92					<0.2	<0.2	1.2	1.3		
						3.5	0.4	185	19.0	19.0	8.0	8.0	27.9	27.9	97.4	97.4	7.7	7.7	6.6	7.0	4	6	92	92					<0.2	<0.2	1.0	1.3		
					Bottom	6.0	0.3	186	19.1	19.1	8.0	8.0	28.8	28.8	98.8	99.4	7.7	7.8	8.6	7.8	9	6	94	94					<0.2	<0.2	1.2	1.1		
						6.0	0.3	192	19.1	19.1	8.0	8.0	28.8	28.8	100.0	99.4	7.8	7.8	8.7	7.8	8	6	94	94					<0.2	<0.2	1.1	1.1		
IM10	Sunny	Moderate	06:59	7.0	Surface	1.0	0.3	197	18.9	18.9	8.0	8.0	27.7	27.7	96.9	96.9	7.6	7.6	4.6	5.6	4	4	86	90	822251	809856	<0.2	<0.2	1.7	1.7				
						1.0	0.3	209	18.9	18.9	8.0	8.0	27.7	27.7	96.9	96.9	7.6	7.6	4.6	5.6	3	4	86	91					1.7	1.7				
					Middle	3.5	0.3	182	19.1	19.1	8.0	8.0	27.8	27.8	95.2	95.2	7.5	7.5	5.7	7.7	3	4	92	92					<0.2	<0.2	1.7	1.7		
						3.5	0.3	192	19.1	19.1	8.0	8.0	27.8	27.8	95.2	95.2	7.5	7.5	5.7	7.7	4	4	91	92					<0.2	<0.2	1.7	1.7		
					Bottom	6.0	0.3	188	19.4	19.4	7.9	7.9	28.8	28.8	99.7	99.7	7.7	7.7	6.4	7.7	5	4	92	92					<0.2	<0.2	1.5	1.6		
						6.0	0.3	196	19.4	19.4	7.9	7.9	28.8	28.8	99.7	99.7	7.7	7.7	6.4	7.7	4	4	92	92					<0.2	<0.2	1.5	1.6		
IM11	Sunny	Moderate	06:52	7.7	Surface	1.0	0.3	171	19.1	19.1	8.0	8.0	27.9	27.9	93.9	93.9	7.4	7.4	6.1	6.8	5	6	84	90	821488	810553	<0.2	<0.2	1.4	1.2				
						1.0	0.3	183	19.1	19.1	8.0	8.0	27.9	27.9	93.9	93.9	7.4	7.4	6.2	6.8	4	6	85	91					1.3	1.2				
					Middle	3.9	0.3	192	19.3	19.3	7.9	7.9	28.4	28.4	92.7	92.7	7.2	7.2	6.8	7.5	8	6	92	94					<0.2	<0.2	0.9	1.4		
						3.9	0.3	203	19.3	19.3	7.9	7.9	28.4	28.4	92.7	92.7	7.2	7.2	6.8	7.5	7	6	91	94					<0.2	<0.2	1.0	1.4		
					Bottom	6.7	0.3	199	19.4	19.4	8.0	8.0	28.8	28.8	96.5	96.5	7.5	7.5	7.4	7.5	7	6	94	94					<0.2	<0.2	1.4	1.4		
						6.7	0.3	203	19.4	19.4	8.0	8.0	28.8	28.8	96.5	96.5	7.5	7.5	7.4	7.5	7	6	94	94					<0.2	<0.2	1.4	1.4		
IM12	Sunny	Moderate	06:44	8.3	Surface	1.0	0.3	192	18.9	18.9	7.9	7.9	28.2	28.2	93.1	93.1	7.3	7.3	5.1	6.0	3	3	89	91	821174	811519	<0.2	<0.2	1.3	1.1				
						1.0	0.3	200	18.9	18.9	7.9	7.9	28.2	28.2	93.0	93.1	7.3	7.3	5.0	6.0	3	3	89	91					1.3	1.1				
					Middle	4.2	0.3	186	19.1	19.1	7.9	7.9	28.5	28.5	90.4	90.4	7.1	7.1	5.9	7.1	3	3	91	94					<0.2	<0.2	0.8	1.1		
						4.2	0.3	202	19.1	19.1	7.9	7.9	28.5	28.5	90.4	90.4	7.1	7.1	5.9	7.1	3	3	91	94					<0.2	<0.2	0.9	1.1		
					Bottom	7.3	0.3	165	19.5	19.5	7.9	7.9	29.2	29.2	91.8	91.8	7.1	7.1	7.0	7.1	3	3	94	94					<0.2	<0.2	1.1	1.2		
						7.3	0.3	174	19.5	19.5	7.9	7.9	29.2	29.2	91.8	91.8	7.1	7.1	7.0	7.1	3	3	94	94					<0.2	<0.2	1.1	1.2		
SR2	Cloudy	Moderate	06:14	3.9	Surface	1.0	0.2	208	19.0	19.0	7.9	7.9	28.0	28.0	94.9	94.9	7.5	7.5	6.3	6.9	4	4	93	93	821475	814176	<0.2	<0.2	1.3	1.2				
						1.0	0.2	210	19.0	19.0	7.9	7.9	28.0	28.0	94.9	94.9	7.5	7.5	6.3	6.9	3	4	90	95					1.2	1.1				
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	4					-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					4	-	-	-	-	-
					Bottom	2.9	0.2	216	19.0	19.0	7.9	7.9	28.4	28.4	97.3	97.3	7.6	7.6	7.4	7.6	6	6	95	95					<0.2	<0.2	1.2	1.1		
						2.9	0.2	216	19.0	19.0	7.9	7.9	28.4	28.4	97.3	97.3	7.6	7.6	7.4	7.6	6	6	95	95					<0.2	<0.2	1.2	1.1		
SR3	Sunny	Moderate	07:19	9.2	Surface	1.0	0.3	202	19.0	19.0	8.0	8.0	27.7	27.7	98.2	98.2	7.7	7.7	5.4	6.1	3	4	-	-	822141	807586	-	-	-	-				
						1.0	0.3	204	19.0	19.0	8.0	8.0	27.7	27.7	98.2	98.2	7.7	7.7	5.4	6.1	4	4	-	-					-	-				
					Middle	4.6	0.3	202	18.9	18.9	8.0	8.0	27.8	27.8	97.3	97.3	7.7	7.7	5.8	7.7	4	4	-	-					-	-	-	-		
						4.6	0.3	214	18.9	18.9	8.0	8.0	27.8	27.8	97.3	97.3	7.7	7.7	5.8	7.7	4	4	-	-					-	-	-	-		
					Bottom	8.2	0.2	188	19.1	19.1	8.0	8.0	29.3	29.3	98.5	98.5	7.7	7.7	7.1	7.7	5	5	-	-					-	-	-	-		
						8.2	0.3	205	19.1	19.1	8.0	8.0	29.3	29.3	98.5	98.5	7.7	7.7	7.1	7.7	5	5	-	-					-	-	-	-		
SR4A	Cloudy	Calm	06:20	8.5	Surface	1.0	0.3	222	19.0	19.0	7.9	7.9	27.8	27.8	92.3	92.3	7.3	7.3	4.6	5.2	7	8	-	-	817204	807815	-	-	-	-				
						1.0	0.3	242	19.0	19.0	7.9	7.9	27.8	27.8	92.2	92.3	7.3	7.3	4.6	5.2	8	8	-	-					-	-				
					Middle	4.3	0.2	197	19.0	19.0	7.9	7.9	28.1	28.1	92.5	92.5	7.3	7.3	5.0	7.3	7	8	-	-					-	-	-	-		
						4.3	0.3	204	19.0	19.0	7.9	7.9	28.1	28.1	92.5	92.5	7.3	7.3	5.0	7.3	6	8	-	-					-	-	-	-		
					Bottom	7.5	0.2	170	19.1	19.1	7.9	7.9	28.6	28.6	93.1	93.3	7.3	7.3	5.8	7.3	8	8	-	-					-	-	-	-		
						7.5	0.2	180	19.1	19.1	7.9	7.9	28.6	28.6	93.4	93.3	7.3	7.3	5.9	7.3	9	8	-	-					-	-	-	-		
SR5A	Cloudy	Calm	06:02	3.9	Surface	1.0	0.0	240	18.9	18.9	7.9	7.9	27.5	27.5	91.2	91.2	7.2	7.2	7.6	9.8	6	16	-	-	816609	810683	-	-	-	-				
						1.0	0.0	254	18.9	18.9	7.9	7.9	27.5	27.5	91.2	91.2	7.2	7.2	7.7	9.8	7	16	-	-					-	-				
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8	16					-	-	-	-		
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.8	16					-	-	-	-		
					Bottom	2.9	0.0	223	19.2	19.2	7.9	7.9	27.6	27.6	91.0	91.0	7.1	7.1	12.1	7.1	7	16	25	16					-	-	-	-		
						2.9	0.0	243	19.1	19.1	7.9	7.9	27.6	27.6	91.0	91.0	7.1	7.1	11.6	7.1	7	16	26	16					-	-	-	-		
SR6	Cloudy	Calm	05:37	4.5	Surface	1.0	0.2	189	19.0	19.0	7.8	7.8	27.9	27.9	92.3	92.4	7.3	7.3	4.7	4.6	6	6	-	-	817902	814664	-	-	-	-				
						1.0	0.2	193	19.0	19.0	7.8	7.8	27.9	27.9	92.4	92.4	7.3	7.3	4.7	4.6	5	6	-	-					-	-				
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	6					-	-	-	-		
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6	6					-	-	-	-		
					Bottom	3.5	0.																											

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 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
C1	Cloudy	Moderate	15:31	9.1	Surface	1.0	0.4	130	19.2	8.2	8.2	30.5	30.5	104.8	104.8	8.1	8.0	2.4	2.8	4	5	92	94	815621	804247	<0.2	<0.2	0.4	0.6			
						1.0	0.4	135	19.2	8.2	8.2	30.5	30.5	104.7	104.8	8.1	8.0	2.4	2.8	6	5	93	94	<0.2	<0.2	0.5	0.6					
					Middle	4.6	0.5	114	19.1	8.2	8.2	30.5	30.5	102.9	102.9	8.0	7.9	2.7	2.6	4	5	93	94	<0.2	<0.2	0.6	0.6					
						4.6	0.5	125	19.1	8.2	8.2	30.5	30.5	102.9	102.9	8.0	7.9	2.7	2.6	4	5	93	94	<0.2	<0.2	0.6	0.6					
					Bottom	8.1	0.5	132	18.8	8.2	8.2	30.5	30.5	102.1	102.1	7.9	7.9	3.4	3.3	5	6	94	95	<0.2	<0.2	0.7	0.8					
						8.1	0.5	145	18.8	8.2	8.2	30.5	30.5	102.1	102.1	7.9	7.9	3.4	3.3	5	6	94	95	<0.2	<0.2	0.7	0.8					
C2	Cloudy	Moderate	14:29	12.4	Surface	1.0	0.3	212	19.3	8.3	8.3	30.3	30.3	96.4	96.4	7.4	7.3	3.5	4.1	2	3	85	90	825687	806939	<0.2	<0.2	3.1	2.5			
						1.0	0.4	232	19.3	8.3	8.3	30.3	30.3	96.4	96.4	7.4	7.3	3.5	4.1	2	3	85	90	<0.2	<0.2	2.9	2.5					
					Middle	6.2	0.3	203	19.2	8.3	8.3	31.5	31.5	93.2	93.2	7.2	7.2	4.0	4.0	3	3	91	91	<0.2	<0.2	2.4	2.5					
						6.2	0.3	215	19.2	8.3	8.3	31.5	31.5	93.2	93.2	7.2	7.2	4.0	4.0	3	3	91	91	<0.2	<0.2	2.4	2.5					
					Bottom	11.4	0.3	123	19.2	8.2	8.2	31.9	31.9	92.7	92.7	7.1	7.1	4.8	4.8	3	5	94	94	<0.2	<0.2	2.2	2.1					
						11.4	0.4	132	19.2	8.2	8.2	31.9	31.9	92.7	92.7	7.1	7.1	4.8	4.8	3	5	94	94	<0.2	<0.2	2.2	2.1					
C3	Cloudy	Moderate	16:31	12.1	Surface	1.0	0.4	273	19.4	8.2	8.2	32.2	32.2	89.6	89.6	6.8	6.8	3.1	3.3	3	5	88	92	822112	817797	<0.2	<0.2	1.5	1.4			
						1.0	0.4	299	19.4	8.2	8.2	32.2	32.2	89.5	89.6	6.8	6.8	3.1	3.3	3	5	89	92	<0.2	<0.2	1.6	1.4					
					Middle	6.1	0.3	275	19.3	8.2	8.2	32.2	32.2	87.9	87.9	6.7	6.7	3.3	3.3	7	6	92	91	<0.2	<0.2	1.3	1.2					
						6.1	0.3	288	19.3	8.2	8.2	32.2	32.2	87.9	87.9	6.7	6.7	3.3	3.3	7	6	92	91	<0.2	<0.2	1.3	1.2					
					Bottom	11.1	0.3	280	19.3	8.2	8.2	32.2	32.2	89.1	89.1	6.8	6.8	3.6	3.6	5	7	95	95	<0.2	<0.2	1.4	1.3					
						11.1	0.3	290	19.3	8.2	8.2	32.2	32.2	89.1	89.1	6.8	6.8	3.6	3.6	5	7	95	95	<0.2	<0.2	1.4	1.3					
IM1	Cloudy	Moderate	15:07	7.6	Surface	1.0	0.4	180	19.1	8.2	8.2	30.3	30.3	107.0	107.0	8.3	8.2	1.9	2.4	8	9	93	94	818340	806459	<0.2	<0.2	1.0	0.7			
						1.0	0.4	188	19.1	8.2	8.2	30.3	30.3	107.0	107.0	8.3	8.2	1.9	2.4	8	9	93	94	<0.2	<0.2	0.9	0.7					
					Middle	3.8	0.4	156	18.8	8.2	8.2	30.5	30.5	104.9	104.9	8.1	8.1	2.4	2.4	7	9	94	94	<0.2	<0.2	0.5	0.5					
						3.8	0.4	157	18.8	8.2	8.2	30.5	30.5	104.9	104.9	8.1	8.1	2.4	2.4	7	9	94	94	<0.2	<0.2	0.5	0.5					
					Bottom	6.6	0.4	160	18.8	8.2	8.2	30.4	30.4	105.8	105.9	8.2	8.2	2.9	2.9	10	11	95	95	<0.2	<0.2	0.6	0.6					
						6.6	0.4	163	18.8	8.2	8.2	30.4	30.4	105.9	105.9	8.2	8.2	2.9	2.9	10	11	95	95	<0.2	<0.2	0.6	0.6					
IM2	Cloudy	Moderate	15:02	8.6	Surface	1.0	0.4	198	19.0	8.2	8.2	30.2	30.2	108.7	108.7	8.4	8.3	1.7	2.2	7	8	91	92	818836	806180	<0.2	<0.2	0.3	0.3			
						1.0	0.5	203	19.0	8.2	8.2	30.2	30.2	108.7	108.7	8.4	8.3	1.7	2.2	6	8	90	91	<0.2	<0.2	0.3	0.3					
					Middle	4.3	0.5	187	18.9	8.2	8.2	30.4	30.4	106.1	106.1	8.2	8.2	2.3	2.4	8	8	91	92	<0.2	<0.2	0.2	0.3					
						4.3	0.6	191	18.9	8.2	8.2	30.4	30.4	106.0	106.0	8.2	8.2	2.4	2.4	8	8	91	92	<0.2	<0.2	0.2	0.3					
					Bottom	7.6	0.5	205	18.7	8.2	8.2	30.4	30.4	105.7	105.8	8.2	8.2	2.5	2.5	10	8	92	93	<0.2	<0.2	0.3	0.3					
						7.6	0.5	217	18.7	8.2	8.2	30.4	30.4	105.8	105.8	8.2	8.2	2.5	2.5	8	8	93	93	<0.2	<0.2	0.3	0.3					
IM3	Cloudy	Moderate	14:54	8.8	Surface	1.0	0.4	158	19.3	8.2	8.2	29.4	29.4	109.8	109.8	8.5	8.5	1.6	1.7	6	5	89	90	819429	806021	<0.2	<0.2	0.6	0.5			
						1.0	0.4	158	19.3	8.2	8.2	29.4	29.4	109.8	109.8	8.5	8.5	1.6	1.7	4	5	89	91	<0.2	<0.2	0.4	0.4					
					Middle	4.4	0.3	191	19.1	8.2	8.2	29.8	29.8	109.5	109.5	8.5	8.5	1.7	1.7	6	4	90	91	<0.2	<0.2	0.4	0.4					
						4.4	0.4	199	19.1	8.2	8.2	29.8	29.8	109.5	109.5	8.5	8.5	1.7	1.7	4	5	91	91	<0.2	<0.2	0.4	0.4					
					Bottom	7.8	0.4	174	18.8	8.2	8.2	30.2	30.2	107.7	107.7	8.4	8.4	1.9	1.9	6	5	91	92	<0.2	<0.2	0.4	0.5					
						7.8	0.4	182	18.8	8.2	8.2	30.2	30.2	107.7	107.7	8.4	8.4	1.9	1.9	5	5	92	92	<0.2	<0.2	0.4	0.5					
IM4	Cloudy	Moderate	14:47	8.2	Surface	1.0	0.4	141	19.4	8.1	8.1	29.2	29.2	107.4	107.5	8.3	8.3	1.6	2.0	8	8	90	91	819578	805021	<0.2	<0.2	0.5	0.5			
						1.0	0.4	151	19.4	8.1	8.1	29.2	29.2	107.5	107.5	8.3	8.3	1.6	2.0	7	8	90	91	<0.2	<0.2	0.6	0.5					
					Middle	4.1	0.4	148	18.8	8.2	8.2	30.0	30.0	106.6	106.6	8.3	8.3	2.2	2.2	8	7	91	92	<0.2	<0.2	0.6	0.5					
						4.1	0.4	149	18.8	8.2	8.2	30.0	30.0	106.5	106.5	8.3	8.3	2.2	2.2	7	7	92	92	<0.2	<0.2	0.5	0.3					
					Bottom	7.2	0.4	156	18.8	8.2	8.2	30.4	30.4	105.9	105.9	8.2	8.2	2.3	2.3	8	7	92	93	<0.2	<0.2	0.3	0.3					
						7.2	0.5	169	18.8	8.2	8.2	30.4	30.4	105.9	105.9	8.2	8.2	2.3	2.3	7	7	93	93	<0.2	<0.2	0.3	0.3					
IM5	Cloudy	Moderate	14:38	7.1	Surface	1.0	0.3	188	19.2	8.1	8.1	29.2	29.2	104.4	104.4	8.1	8.1	2.0	3.0	6	9	92	93	820578	804924	<0.2	<0.2	0.6	0.5			
						1.0	0.3	199	19.2	8.1	8.1	29.2	29.2	104.4	104.4	8.1	8.1	2.0	3.0	7	7	92	93	<0.2	<0.2	0.7	0.6					
					Middle	3.6	0.3	182	18.8	8.2	8.2	29.7	29.7	103.7	103.7	8.1	8.1	3.0	3.0	7	7	92	93	<0.2	<0.2	0.6	0.6					
						3.6	0.3	194	18.8	8.2	8.2	29.7	29.7	103.6	103.7	8.1	8.1	3.0	3.0	7	7	93	93	<0.2	<0.2	0.6	0.6					
					Bottom	6.1	0.4	188	18.6	8.1	8.1	30.2	30.2	104.5	104.6	8.2	8.2	3.9	3.8	14	13	93	94	<0.2	<0.2	0.3	0.3					
						6.1	0.4	203	18.6	8.1	8.1	30.1	30.1	104.6	104.6	8.2	8.2	3.8	3.8	13	13	94	94	<0.2	<0.2	0.3	0.3					
IM6	Cloudy	Moderate	14:30	7.1	Surface	1.0	0.3	209	19.3	8.1	8.1	28.6	28.6	103.0	103.0	8.0	8.0	2.1	4.7	8	9	90	91	821076	805830	<0.2	<0.2	0.9	0.6			
						1.0	0.3	214	19.3	8.1	8.1	28.6	28.6	103.0	103.0	8.0	8.0	2.2	4.7	6	9	90	91	<0.2	<0.2	0.9	0.6					
					Middle	3.6	0.3	164	18.8	8.1	8.1	29.7	29.7	101.9	101.9																	

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

Water Quality Monitoring

Water Quality Monitoring Results on 24 January 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	
IM9	Cloudy	Moderate	15:17	7.5	Surface	1.0	0.4	229	19.4	19.4	8.3	8.3	30.6	30.6	106.0	106.0	8.1	8.1	4.4	4.4	4	4	86	86	90	822108	808827	<0.2	<0.2	1.0	1.0		
						1.0	0.4	248	19.4	19.4	8.3	8.3	30.6	30.6	106.0	106.0	8.1	8.1	4.3	4.3	5	5	86	86	90	822108	808827	<0.2	<0.2	1.1	1.1		
					Middle	3.8	0.4	225	19.2	19.2	8.3	8.3	31.1	31.1	104.9	104.9	8.1	8.1	4.8	4.8	5	5	89	89	90	822108	808827	<0.2	<0.2	1.0	1.0		
						3.8	0.5	242	19.2	19.2	8.3	8.3	31.1	31.1	104.9	104.9	8.1	8.1	4.7	4.7	3	3	90	90	90	822108	808827	<0.2	<0.2	1.0	1.0		
					Bottom	6.5	0.4	198	18.9	18.9	8.3	8.3	31.9	31.9	103.2	103.2	7.9	7.9	5.2	5.2	5	5	93	93	94	822108	808827	<0.2	<0.2	0.7	0.7		
						6.5	0.5	212	18.9	18.9	8.3	8.3	31.9	31.9	103.2	103.2	7.9	7.9	5.2	5.2	7	7	94	94	94	822108	808827	<0.2	<0.2	0.8	0.8		
IM10	Cloudy	Moderate	15:25	7.9	Surface	1.0	0.3	224	19.5	19.5	8.3	8.3	30.9	30.9	104.5	104.5	8.0	8.0	4.0	4.0	6	6	87	87	90	822240	809818	<0.2	<0.2	1.1	1.1		
						1.0	0.4	233	19.5	19.5	8.3	8.3	30.9	30.9	104.5	104.5	8.0	8.0	4.0	4.0	5	5	86	86	90	822240	809818	<0.2	<0.2	0.8	0.8		
					Middle	4.0	0.4	238	19.4	19.4	8.3	8.3	31.0	31.0	103.0	103.0	7.9	7.9	4.9	4.9	5	5	89	89	90	822240	809818	<0.2	<0.2	1.2	1.2		
						4.0	0.4	252	19.4	19.4	8.3	8.3	31.0	31.0	103.0	103.0	7.9	7.9	4.9	4.9	6	6	90	90	90	822240	809818	<0.2	<0.2	1.3	1.3		
					Bottom	6.9	0.3	217	18.8	18.8	8.3	8.3	31.9	31.9	100.3	100.3	7.7	7.7	4.3	4.3	9	9	94	94	94	822240	809818	<0.2	<0.2	1.3	1.3		
						6.9	0.4	230	18.8	18.8	8.3	8.3	31.9	31.9	100.3	100.3	7.7	7.7	4.3	4.3	9	9	94	94	94	822240	809818	<0.2	<0.2	1.3	1.3		
IM11	Cloudy	Moderate	15:34	8.4	Surface	1.0	0.3	238	19.3	19.3	8.3	8.3	31.7	31.7	106.3	106.3	8.1	8.1	4.0	4.0	7	7	88	88	91	821517	810561	<0.2	<0.2	0.7	0.7		
						1.0	0.3	253	19.3	19.3	8.3	8.3	31.7	31.7	106.2	106.2	8.1	8.1	4.1	4.1	6	6	88	88	91	821517	810561	<0.2	<0.2	0.8	0.8		
					Middle	4.2	0.3	239	19.1	19.1	8.3	8.3	31.8	31.8	102.1	102.1	7.8	7.8	4.7	4.7	8	8	92	92	91	821517	810561	<0.2	<0.2	0.7	0.7		
						4.2	0.4	247	19.1	19.1	8.3	8.3	31.8	31.8	102.1	102.1	7.8	7.8	4.7	4.7	10	10	91	91	91	821517	810561	<0.2	<0.2	0.8	0.8		
					Bottom	7.4	0.3	238	19.0	19.0	8.3	8.3	31.9	31.9	99.6	99.6	7.7	7.7	5.8	5.8	10	10	94	94	94	821517	810561	<0.2	<0.2	0.6	0.6		
						7.4	0.3	248	19.0	19.0	8.3	8.3	31.9	31.9	99.6	99.6	7.7	7.7	5.8	5.8	10	10	94	94	94	821517	810561	<0.2	<0.2	0.5	0.5		
IM12	Cloudy	Moderate	15:42	9.1	Surface	1.0	0.4	261	19.3	19.3	8.3	8.3	31.8	31.8	97.4	97.4	7.4	7.4	4.0	4.0	4	4	89	89	91	821173	811523	<0.2	<0.2	0.6	0.6		
						1.0	0.5	286	19.3	19.3	8.3	8.3	31.8	31.8	97.3	97.3	7.4	7.4	4.0	4.0	4	4	89	89	91	821173	811523	<0.2	<0.2	0.5	0.5		
					Middle	4.6	0.4	246	19.2	19.2	8.3	8.3	31.8	31.8	95.3	95.3	7.3	7.3	4.4	4.4	7	7	91	91	91	821173	811523	<0.2	<0.2	0.6	0.6		
						4.6	0.4	246	19.2	19.2	8.3	8.3	31.8	31.8	95.3	95.3	7.3	7.3	4.4	4.4	8	8	91	91	91	821173	811523	<0.2	<0.2	0.6	0.6		
					Bottom	8.1	0.4	220	19.1	19.1	8.3	8.3	31.9	31.9	94.8	94.8	7.3	7.3	4.5	4.5	7	7	93	93	94	821173	811523	<0.2	<0.2	0.8	0.8		
						8.1	0.4	222	19.1	19.1	8.3	8.3	31.9	31.9	94.8	94.8	7.3	7.3	4.5	4.5	7	7	94	94	94	821173	811523	<0.2	<0.2	0.7	0.7		
SR2	Cloudy	Moderate	16:06	5.2	Surface	1.0	0.2	216	19.4	19.4	8.2	8.2	32.0	32.0	93.3	93.3	7.1	7.1	4.7	4.7	8	8	87	87	91	821466	814170	<0.2	<0.2	0.5	0.5		
						1.0	0.2	225	19.4	19.4	8.2	8.2	32.0	32.0	93.3	93.3	7.1	7.1	4.7	4.7	7	7	88	88	91	821466	814170	<0.2	<0.2	0.6	0.6		
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.2	0.2	199	19.4	19.4	8.2	8.2	32.0	32.0	93.6	93.6	7.1	7.1	6.0	6.0	6	6	95	95	94	821466	814170	<0.2	<0.2	0.6	0.6		
						4.2	0.2	211	19.4	19.4	8.2	8.2	32.0	32.0	93.6	93.6	7.1	7.1	6.0	6.0	8	8	94	94	94	821466	814170	<0.2	<0.2	0.6	0.6		
SR3	Cloudy	Moderate	15:05	9.1	Surface	1.0	0.4	184	19.2	19.2	8.3	8.3	30.8	30.8	103.7	103.7	8.0	8.0	4.1	4.1	5	5	-	-	-	-	-	-	-	-			
						1.0	0.4	194	19.2	19.2	8.3	8.3	30.8	30.8	103.7	103.7	8.0	8.0	4.0	4.0	6	6	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.4	186	19.0	19.0	8.3	8.3	31.4	31.4	102.1	102.1	7.9	7.9	5.0	5.0	5	5	-	-	-	-	-	-	-	-	-		
						4.6	0.4	203	19.0	19.0	8.3	8.3	31.4	31.4	102.1	102.1	7.9	7.9	5.0	5.0	7	7	-	-	-	-	-	-	-	-			
					Bottom	8.1	0.3	196	18.8	18.8	8.3	8.3	32.1	32.1	100.4	100.4	7.7	7.7	7.1	7.1	10	10	-	-	-	-	-	-	-	-			
						8.1	0.4	201	18.8	18.8	8.3	8.3	32.0	32.0	100.4	100.4	7.7	7.7	8.0	8.0	9	9	-	-	-	-	-	-	-				
SR4A	Cloudy	Moderate	15:52	9.3	Surface	1.0	0.3	114	19.0	19.0	8.2	8.2	30.4	30.4	104.0	104.0	8.1	8.1	4.2	4.2	11	11	-	-	-	-	-	-					
						1.0	0.3	118	19.0	19.0	8.2	8.2	30.4	30.4	104.0	104.0	8.0	8.0	4.2	4.2	9	9	-	-	-	-	-	-					
					Middle	4.7	0.2	139	18.9	18.9	8.2	8.2	30.4	30.4	103.7	103.7	8.0	8.0	4.7	4.7	10	10	-	-	-	-	-	-					
						4.7	0.2	152	18.8	18.8	8.2	8.2	30.4	30.4	103.7	103.7	8.0	8.0	4.7	4.7	10	10	-	-	-	-	-	-					
					Bottom	8.3	0.3	155	18.8	18.8	8.2	8.2	30.4	30.4	104.7	104.7	8.1	8.1	4.6	4.6	14	14	-	-	-	-	-	-					
						8.3	0.3	160	18.8	18.8	8.2	8.2	30.4	30.4	104.7	104.7	8.1	8.1	4.5	4.5	13	13	-	-	-	-	-	-					
SR5A	Cloudy	Calm	16:09	5.0	Surface	1.0	0.3	185	19.1	19.1	8.1	8.1	29.3	29.3	101.3	101.3	7.9	7.9	4.3	4.3	10	10	-	-	-	-	-	-					
						1.0	0.3	200	19.1	19.1	8.1	8.1	29.3	29.3	101.3	101.3	7.9	7.9	4.3	4.3	8	8	-	-	-	-	-	-					
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	4.0	0.2	183	19.1	19.1	8.1	8.1	29.4	29.4	103.7	103.8	8.1	8.1	4.7	4.7	11	11	-	-	-	-	-	-					
						4.0	0.2	187	19.1																								

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

Water Quality Monitoring Results on 24 January 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
C1	Cloudy	Moderate	11:05	8.8	Surface	1.0	0.4	186	18.9	18.9	8.2	8.2	30.4	30.4	101.6	101.6	7.9	7.9	3.6	3.6	5	6	92	93	815605	804249	<0.2	<0.2	0.6	0.5
						1.0	0.4	189	18.9	8.2	8.2	30.4	30.4	101.6	101.6	7.9	7.9	3.6	3.6	6	6	93	93	<0.2			<0.2	0.4	0.5	
					Middle	4.4	0.5	173	18.8	18.8	8.2	8.2	30.4	30.4	101.3	101.3	7.9	7.9	3.9	3.9	6	6	93	93			<0.2	<0.2	0.4	0.5
						4.4	0.5	182	18.8	18.8	8.2	8.2	30.4	30.4	101.3	101.3	7.9	7.9	4.0	4.0	6	6	93	93			<0.2	<0.2	0.4	0.5
					Bottom	7.8	0.5	196	18.8	18.8	8.1	8.1	30.4	30.4	101.8	101.8	7.9	7.9	4.1	4.1	5	5	94	94			<0.2	<0.2	0.4	0.5
						7.8	0.5	205	18.8	18.8	8.1	8.1	30.4	30.4	101.9	101.9	7.9	7.9	4.1	4.1	7	7	95	95			<0.2	<0.2	0.4	0.5
C2	Cloudy	Moderate	12:10	12.2	Surface	1.0	0.4	148	19.2	19.2	8.3	8.3	31.1	31.1	93.4	93.4	7.2	7.2	4.3	4.3	3	4	88	88	825680	806954	<0.2	<0.2	1.6	1.5
						1.0	0.5	158	19.2	19.2	8.3	8.3	31.1	31.1	93.4	93.4	7.2	7.2	4.3	4.3	4	4	88	88			<0.2	<0.2	1.5	1.0
					Middle	6.1	0.2	176	19.2	19.2	8.3	8.3	31.8	31.8	90.5	90.5	6.9	6.9	5.0	5.0	6	6	91	91			<0.2	<0.2	0.8	0.8
						6.1	0.2	183	19.2	19.2	8.2	8.2	31.8	31.8	90.5	90.5	6.9	6.9	5.0	5.0	4	4	92	92			<0.2	<0.2	1.0	0.8
					Bottom	11.2	0.2	177	19.2	19.2	8.2	8.2	31.9	31.9	90.4	90.4	6.9	6.9	5.7	5.7	4	4	95	95			<0.2	<0.2	0.8	0.8
						11.2	0.2	181	19.2	19.2	8.2	8.2	31.9	31.9	90.4	90.4	6.9	6.9	5.7	5.7	4	4	94	94			<0.2	<0.2	0.8	0.8
C3	Cloudy	Moderate	10:11	12.4	Surface	1.0	0.3	179	19.3	19.3	8.2	8.2	32.2	32.2	87.9	87.9	6.7	6.7	3.4	3.4	2	3	88	89	822122	817822	<0.2	<0.2	0.6	0.6
						1.0	0.3	184	19.3	19.3	8.2	8.2	32.2	32.2	87.9	87.9	6.7	6.7	3.4	3.4	3	3	89	91			<0.2	<0.2	0.6	0.6
					Middle	6.2	0.2	158	19.3	19.3	8.2	8.2	32.2	32.2	87.4	87.4	6.7	6.7	3.7	3.7	2	2	92	91			<0.2	<0.2	0.6	0.6
						6.2	0.3	168	19.3	19.3	8.2	8.2	32.2	32.2	87.4	87.4	6.7	6.7	3.7	3.7	5	3	91	91			<0.2	<0.2	0.6	0.6
					Bottom	11.4	0.3	131	19.3	19.3	8.2	8.2	32.2	32.2	87.4	87.4	6.7	6.7	3.8	3.8	3	3	94	94			<0.2	<0.2	0.6	0.6
						11.4	0.3	139	19.3	19.3	8.2	8.2	32.2	32.2	87.4	87.4	6.7	6.7	3.8	3.8	3	3	94	94			<0.2	<0.2	0.6	0.6
IM1	Cloudy	Moderate	11:28	7.5	Surface	1.0	0.3	200	18.9	18.9	8.2	8.2	30.1	30.1	104.1	104.1	8.1	8.1	2.4	2.4	4	4	91	90	818349	806440	<0.2	<0.2	0.7	0.6
						1.0	0.4	202	18.9	18.9	8.2	8.2	30.1	30.1	104.1	104.1	8.1	8.1	2.4	2.4	4	4	90	91			<0.2	<0.2	0.6	0.6
					Middle	3.8	0.4	177	18.8	18.8	8.2	8.2	30.2	30.2	103.1	103.1	8.0	8.0	2.7	2.7	5	5	91	92			<0.2	<0.2	0.6	0.8
						3.8	0.4	187	18.8	18.8	8.2	8.2	30.2	30.2	103.1	103.1	8.0	8.0	2.8	2.8	3	3	92	92			<0.2	<0.2	0.8	0.8
					Bottom	6.5	0.3	162	18.7	18.7	8.1	8.1	30.4	30.4	103.6	103.7	8.1	8.1	3.3	3.3	6	6	92	93			<0.2	<0.2	0.8	0.9
						6.5	0.3	170	18.7	18.7	8.1	8.1	30.4	30.4	103.7	103.7	8.1	8.1	3.3	3.3	6	6	93	93			<0.2	<0.2	0.8	0.9
IM2	Cloudy	Moderate	11:34	8.3	Surface	1.0	0.4	196	18.8	18.8	8.2	8.2	30.1	30.1	104.3	104.3	8.1	8.1	2.0	2.0	4	5	90	90	818859	806184	<0.2	<0.2	1.0	0.8
						1.0	0.4	212	18.8	18.8	8.2	8.2	30.1	30.1	104.3	104.3	8.1	8.1	2.0	2.0	5	6	91	91			<0.2	<0.2	0.6	0.6
					Middle	4.2	0.4	209	18.8	18.8	8.2	8.2	30.0	30.0	103.8	103.8	8.1	8.1	2.2	2.2	6	6	91	91			<0.2	<0.2	0.6	0.6
						4.2	0.4	210	18.8	18.8	8.2	8.2	30.0	30.0	103.8	103.8	8.1	8.1	2.2	2.2	5	5	91	91			<0.2	<0.2	0.6	0.6
					Bottom	7.3	0.4	207	18.6	18.6	8.1	8.1	30.4	30.4	104.0	104.1	8.1	8.1	2.7	2.7	8	6	92	92			<0.2	<0.2	0.4	0.5
						7.3	0.4	222	18.6	18.6	8.1	8.1	30.4	30.4	104.1	104.1	8.1	8.1	2.7	2.7	6	6	92	92			<0.2	<0.2	0.4	0.5
IM3	Cloudy	Moderate	11:41	8.4	Surface	1.0	0.4	202	18.9	18.9	8.2	8.2	30.0	30.0	104.9	104.9	8.1	8.1	1.7	1.7	4	5	91	92	819414	806033	<0.2	<0.2	0.7	0.8
						1.0	0.5	206	18.9	18.9	8.2	8.2	30.0	30.0	104.9	104.9	8.2	8.2	1.7	1.7	5	5	92	93			<0.2	<0.2	0.8	0.8
					Middle	4.2	0.5	186	18.8	18.8	8.2	8.2	30.0	30.0	104.4	104.4	8.1	8.1	2.0	2.0	5	3	93	93			<0.2	<0.2	0.8	0.8
						4.2	0.6	191	18.8	18.8	8.2	8.2	30.0	30.0	104.4	104.4	8.1	8.1	2.0	2.0	3	7	93	93			<0.2	<0.2	0.6	0.6
					Bottom	7.4	0.6	201	18.7	18.7	8.1	8.1	30.3	30.3	104.3	104.3	8.1	8.1	2.4	2.4	7	5	93	94			<0.2	<0.2	0.6	0.6
						7.4	0.6	215	18.7	18.7	8.1	8.1	30.3	30.3	104.3	104.3	8.1	8.1	2.4	2.4	5	5	94	94			<0.2	<0.2	0.6	0.6
IM4	Cloudy	Moderate	11:49	8.0	Surface	1.0	0.4	173	18.9	18.9	8.2	8.2	29.9	29.9	105.5	105.5	8.2	8.2	2.1	2.1	4	5	92	92	819571	805049	<0.2	<0.2	0.8	0.8
						1.0	0.4	174	18.9	18.9	8.2	8.2	29.9	29.9	105.5	105.5	8.2	8.2	2.1	2.1	5	4	92	93			<0.2	<0.2	1.0	1.2
					Middle	4.0	0.3	183	18.7	18.7	8.2	8.2	30.2	30.2	104.3	104.3	8.1	8.1	2.4	2.4	3	5	93	94			<0.2	<0.2	0.6	0.6
						4.0	0.4	187	18.7	18.7	8.2	8.2	30.2	30.2	104.2	104.2	8.1	8.1	2.4	2.4	5	3	93	94			<0.2	<0.2	0.6	0.7
					Bottom	7.0	0.3	192	18.7	18.7	8.2	8.2	30.4	30.4	104.7	104.7	8.2	8.2	2.5	2.5	3	3	94	95			<0.2	<0.2	0.6	0.7
						7.0	0.4	202	18.6	18.6	8.2	8.2	30.4	30.4	104.7	104.7	8.2	8.2	2.5	2.5	3	3	95	95			<0.2	<0.2	0.7	0.7
IM5	Cloudy	Moderate	11:57	6.9	Surface	1.0	0.3	168	19.1	19.1	8.1	8.1	29.6	29.6	103.2	103.2	8.0	8.0	2.5	2.5	4	4	93	93	820554	804912	<0.2	<0.2	0.9	0.9
						1.0	0.4	177	19.1	19.1	8.1	8.1	29.6	29.6	103.2	103.2	8.0	8.0	2.5	2.5	4	4	93	94			<0.2	<0.2	0.6	0.6
					Middle	3.5	0.3	170	18.9	18.9	8.1	8.1	29.7	29.7	103.1	103.1	8.0	8.0	3.3	3.3	4	6	94	94			<0.2	<0.2	0.6	1.1
						3.5	0.3	181	18.9	18.9	8.1	8.1	29.7	29.7	103.1	103.1	8.0	8.0	3.3	3.3	6	9	94	95			<0.2	<0.2	1.1	1.1
					Bottom	5.9	0.3	169	18.6	18.6	8.1	8.1	29.9	29.9	103.7	103.7	8.1	8.1	3.6	3.6	9	8	94	95			<0.2	<0.2	1.1	1.1
						5.9	0.3	174	18.6	18.6	8.1	8.1	29.9	29.9	103.7	103.7	8.1	8.1	3.6	3.6	8	8	95	95			<0.2	<0.2	1.1	1.1
IM6	Cloudy	Moderate	12:04	6.8	Surface	1.0	0.4	167	19.1	19.1	8.1	8.1	29.1	29.1	100.9	101.0	7.9	7.9	1.7	1.7	3	2	90	90	821055	805820	<0.2	<0.2		

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

Water Quality Monitoring Results on 28 January 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
C1	Cloudy	Moderate	08:05	8.2	Surface	1.0	0.5	73	19.0	19.0	8.0	8.0	28.8	28.8	97.2	97.2	7.6	7.6	10.0	10.0	25	27	92	93	815619	804262	94	94	<0.2	<0.2	1.4	1.2
						1.0	0.5	76	19.0	8.0	8.0	28.8	28.8	97.2	97.2	7.6	7.6	10.0	10.0	27	27	93	93	<0.2					<0.2	1.2	1.2	
					Middle	4.1	0.4	73	18.9	18.9	8.0	8.0	28.6	28.6	97.2	97.2	7.6	7.6	15.2	15.2	34	36	94	94					<0.2	<0.2	1.0	1.1
						4.1	0.5	73	18.9	18.9	8.0	8.0	28.6	28.6	97.2	97.2	7.6	7.6	15.2	15.2	36	36	94	94					<0.2	<0.2	1.1	1.1
					Bottom	7.2	0.4	95	18.9	18.9	8.0	8.0	28.1	28.1	98.1	98.1	7.7	7.7	19.5	19.0	36	37	94	94					<0.2	<0.2	1.5	1.7
						7.2	0.4	97	18.9	18.9	8.0	8.0	28.0	28.1	98.1	98.1	7.7	7.7	19.0	19.0	37	37	94	94					<0.2	<0.2	1.7	1.7
C2	Cloudy	Moderate	09:04	12.2	Surface	1.0	0.6	248	19.3	19.3	8.0	8.0	27.0	27.0	97.5	97.5	7.7	7.6	5.7	5.7	7	8	86	86	825667	806958	91	91	<0.2	<0.2	1.9	2.1
						1.0	0.6	254	19.3	19.3	8.0	8.0	27.0	27.0	97.5	97.5	7.7	7.7	5.7	5.7	8	8	86	86					<0.2	<0.2	2.1	2.1
					Middle	6.1	0.6	254	19.2	19.2	8.0	8.0	27.5	27.5	95.9	95.9	7.5	7.5	8.2	8.2	10	11	91	92					<0.2	<0.2	2.0	1.6
						6.1	0.6	270	19.2	19.2	8.0	8.0	27.5	27.5	95.9	95.9	7.5	7.5	8.2	8.2	11	11	92	92					<0.2	<0.2	1.6	1.6
					Bottom	11.2	0.5	258	19.1	19.1	8.0	8.0	28.1	28.1	96.2	96.2	7.5	7.5	11.5	11.5	11	11	94	94					<0.2	<0.2	1.8	1.8
						11.2	0.5	264	19.1	19.1	8.0	8.0	28.1	28.1	96.2	96.2	7.5	7.5	11.5	11.5	10	10	94	94					<0.2	<0.2	1.8	1.8
C3	Cloudy	Moderate	07:03	11.3	Surface	1.0	0.3	192	19.3	19.3	8.0	8.0	29.9	29.9	93.9	93.9	7.3	7.3	10.0	10.4	9	8	90	90	822122	817811	92	92	<0.2	<0.2	0.8	1.0
						1.0	0.3	210	19.3	19.3	8.0	8.0	29.9	29.9	93.9	93.9	7.3	7.3	10.4	10.4	8	8	90	90					<0.2	<0.2	1.0	1.0
					Middle	5.7	0.3	133	19.3	19.3	8.0	8.0	29.9	29.9	94.3	94.3	7.3	7.3	14.0	14.0	15	15	91	91					<0.2	<0.2	0.9	1.0
						5.7	0.3	144	19.3	19.3	8.0	8.0	29.9	29.9	94.3	94.3	7.3	7.3	14.0	14.0	15	15	91	91					<0.2	<0.2	1.0	1.0
					Bottom	10.3	0.2	124	19.3	19.3	8.0	8.0	29.9	29.9	95.5	95.5	7.4	7.4	16.5	16.5	18	19	95	95					<0.2	<0.2	0.7	0.7
						10.3	0.2	132	19.3	19.3	8.0	8.0	29.9	29.9	95.5	95.5	7.4	7.4	16.5	16.5	19	19	95	95					<0.2	<0.2	0.7	0.7
IM1	Sunny	Moderate	08:32	7.6	Surface	1.0	0.5	150	18.9	18.9	8.0	8.0	29.1	29.1	98.0	98.0	7.6	7.7	13.2	13.2	12	11	89	89	818360	806450	90	90	<0.2	<0.2	1.0	1.0
						1.0	0.5	156	18.9	18.9	8.0	8.0	29.1	29.1	98.0	98.0	7.6	7.6	13.2	13.2	11	11	89	89					<0.2	<0.2	1.0	1.0
					Middle	3.8	0.4	126	18.9	18.9	8.0	8.0	29.0	29.0	98.0	98.0	7.7	7.7	19.1	19.3	13	11	90	90					<0.2	<0.2	1.0	0.9
						3.8	0.5	126	18.9	18.9	8.0	8.0	29.0	29.0	98.0	98.0	7.7	7.7	19.3	19.3	11	11	90	90					<0.2	<0.2	0.9	0.9
					Bottom	6.6	0.4	120	18.9	18.9	8.0	8.0	28.7	28.7	98.8	98.8	7.7	7.7	19.6	19.5	16	15	91	91					<0.2	<0.2	1.0	0.9
						6.6	0.4	127	18.9	18.9	8.0	8.0	28.7	28.7	98.8	98.8	7.7	7.7	19.5	19.5	15	15	91	91					<0.2	<0.2	1.0	0.9
IM2	Sunny	Moderate	08:38	8.1	Surface	1.0	0.5	115	19.0	19.0	8.1	8.1	29.3	29.3	97.9	97.9	7.6	7.6	12.9	13.0	15	15	91	92	818849	806205	92	92	<0.2	<0.2	0.8	0.9
						1.0	0.5	115	19.0	19.0	8.1	8.1	29.3	29.3	97.9	97.9	7.6	7.6	13.0	13.0	15	15	92	92					<0.2	<0.2	0.9	0.9
					Middle	4.1	0.4	111	18.9	18.9	8.1	8.1	29.3	29.3	97.7	97.7	7.6	7.6	15.9	16.0	26	24	92	92					<0.2	<0.2	0.9	0.8
						4.1	0.5	118	18.9	18.9	8.1	8.1	29.3	29.3	97.7	97.7	7.6	7.6	16.0	16.0	24	24	92	92					<0.2	<0.2	0.8	0.8
					Bottom	7.1	0.4	112	18.9	18.9	8.1	8.1	29.3	29.3	97.5	97.5	7.6	7.6	19.2	19.0	28	29	93	93					<0.2	<0.2	1.4	1.3
						7.1	0.4	117	18.9	18.9	8.1	8.1	29.3	29.3	97.5	97.5	7.6	7.6	19.0	19.0	29	29	93	93					<0.2	<0.2	1.3	1.3
IM3	Sunny	Moderate	08:46	8.4	Surface	1.0	0.4	147	18.9	18.9	8.0	8.0	28.7	28.7	99.1	99.1	7.8	7.8	10.0	10.2	11	10	89	89	819400	806020	90	90	<0.2	<0.2	0.9	1.0
						1.0	0.5	154	18.9	18.9	8.0	8.0	28.7	28.7	99.0	99.0	7.8	7.8	10.2	10.2	10	10	89	89					<0.2	<0.2	1.0	1.0
					Middle	4.2	0.4	135	18.9	18.9	8.0	8.0	28.6	28.6	99.1	99.1	7.8	7.8	13.7	13.8	14	14	90	91					<0.2	<0.2	1.0	0.8
						4.2	0.5	146	18.9	18.9	8.0	8.0	28.6	28.6	99.1	99.1	7.8	7.8	13.8	13.8	14	14	91	91					<0.2	<0.2	0.8	0.8
					Bottom	7.4	0.4	154	18.9	18.9	8.0	8.0	28.3	28.3	99.7	99.7	7.8	7.8	14.5	14.1	31	29	91	92					<0.2	<0.2	0.8	0.9
						7.4	0.5	162	18.9	18.9	8.0	8.0	28.3	28.3	99.7	99.7	7.8	7.8	14.1	14.1	29	29	92	92					<0.2	<0.2	0.8	0.9
IM4	Sunny	Moderate	08:53	8.1	Surface	1.0	0.5	96	19.0	19.0	8.1	8.1	29.2	29.2	99.1	99.1	7.7	7.7	7.6	7.8	8	8	93	93	819581	805041	94	94	<0.2	<0.2	0.9	0.9
						1.0	0.6	97	19.0	19.0	8.1	8.1	29.2	29.2	99.1	99.1	7.7	7.7	7.8	7.8	8	8	93	93					<0.2	<0.2	0.9	0.9
					Middle	4.1	0.5	127	18.9	18.9	8.1	8.1	29.2	29.2	98.0	98.0	7.7	7.7	12.3	12.4	8	10	93	94					<0.2	<0.2	0.8	1.0
						4.1	0.5	130	18.9	18.9	8.1	8.1	29.2	29.2	98.0	98.0	7.7	7.7	12.4	12.4	10	10	94	94					<0.2	<0.2	1.0	1.0
					Bottom	7.1	0.5	138	18.9	18.9	8.1	8.1	29.2	29.2	97.7	97.7	7.6	7.6	19.9	19.8	12	10	94	95					<0.2	<0.2	1.0	0.8
						7.1	0.5	147	18.9	18.9	8.1	8.1	29.2	29.2	97.7	97.7	7.6	7.6	19.8	19.8	10	10	95	95					<0.2	<0.2	0.8	0.8
IM5	Sunny	Moderate	09:03	7.0	Surface	1.0	0.5	142	19.0	19.0	8.0	8.0	28.7	28.7	98.3	98.3	7.7	7.7	14.7	14.7	17	18	92	92	820578	804910	93	93	<0.2	<0.2	0.9	1.1
						1.0	0.5	151	19.0	19.0	8.0	8.0	28.7	28.7	98.2	98.2	7.7	7.7	14.7	14.7	18	18	92	92					<0.2	<0.2	1.1	0.8
					Middle	3.5	0.4	148	18.9	18.9	8.0	8.0	28.5	28.5	98.4	98.4	7.7	7.7	18.4	18.3	19	17	93	93					<0.2	<0.2	0.8	0.9
						3.5	0.4	152	18.9	18.9	8.0	8.0	28.5	28.5	98.4	98.4	7.7	7.7	18.3	18.3	17	17	93	94					<0.2	<0.2	0.9	1.7
					Bottom	6.0	0.4	145	18.9	18.9	8.0	8.0	27.9	27.9	99.6	99.7	7.8	7.9	17.9	17.7	27	26	94	94					<0.2	<0.2	1.7	1.7
						6.0	0.4	149	18.9	18.9	8.0	8.0	27.9	27.9	99.7	99.7																

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

Water Quality Monitoring Results on 28 January 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
C1	Cloudy	Moderate	13:05	8.4	Surface	1.0	0.3	150	18.9	18.9	8.1	8.1	29.1	29.1	98.8	98.8	7.7	7.7	7.8	7.7	7	12	93	94	815601	804262	<0.2	<0.2	0.6	0.6	
						1.0	0.3	151	18.9	8.1	8.1	29.1	29.1	98.7	98.8	7.7	7.7	7.9	7.7	8	12	93	94								
					Middle	4.2	0.2	175	18.8	8.1	8.1	29.2	29.2	97.7	97.7	7.6	7.6	9.5	9.6	10	9	94	94	94							94
						4.2	0.2	188	18.8	8.1	8.1	29.2	29.2	97.6	97.7	7.6	7.6	9.6	9.6	8	9	94	94	94							94
					Bottom	7.4	0.2	186	18.7	8.0	8.0	28.9	28.9	98.2	98.3	7.7	7.7	11.3	11.2	19	15	95	95	95							95
						7.4	0.2	192	18.7	8.0	8.0	28.9	28.9	98.3	98.3	7.7	7.7	11.2	11.2	20	15	95	95	95							95
C2	Cloudy	Moderate	11:51	12.4	Surface	1.0	0.4	125	19.3	19.3	8.0	8.0	27.4	27.4	97.7	97.7	7.7	7.7	6.5	11.8	5	9	85	90	825698	806950	<0.2	<0.2	1.7	1.7	
						1.0	0.4	125	19.3	8.0	8.0	27.4	27.4	97.7	97.7	7.7	7.7	6.5	11.8	3	9	85	90								
					Middle	6.2	0.4	117	19.2	8.0	8.0	27.7	27.7	96.6	96.6	7.6	7.6	10.0	10.1	6	9	91	91	91							91
						6.2	0.4	125	19.2	8.0	8.0	27.7	27.7	96.6	96.6	7.6	7.6	10.1	10.1	6	9	91	91	91							91
					Bottom	11.4	0.3	100	19.2	8.0	8.0	28.7	28.7	97.1	97.1	7.6	7.6	18.7	18.7	16	9	94	94	94							94
						11.4	0.3	107	19.2	8.0	8.0	28.7	28.7	97.1	97.1	7.6	7.6	18.7	18.7	16	9	93	93	93							93
C3	Cloudy	Moderate	13:51	12.1	Surface	1.0	0.4	141	19.3	19.3	8.0	8.0	29.9	29.9	93.6	93.6	7.2	7.2	5.5	5.2	5	6	88	92	822120	817804	<0.2	<0.2	0.7	0.7	
						1.0	0.4	148	19.3	8.0	8.0	29.9	29.9	93.6	93.6	7.2	7.2	5.5	5.2	6	6	89	92								
					Middle	6.1	0.3	113	19.3	8.0	8.0	29.9	29.9	93.3	93.3	7.2	7.2	5.5	5.5	6	6	92	92	92							92
						6.1	0.4	124	19.3	8.0	8.0	29.9	29.9	93.3	93.3	7.2	7.2	5.5	5.5	6	6	92	92	92							92
					Bottom	11.1	0.3	204	19.4	8.0	8.0	30.1	30.1	94.1	94.2	7.3	7.3	4.7	4.6	7	6	95	95	95							95
						11.1	0.4	204	19.4	8.0	8.0	30.1	30.1	94.2	94.2	7.3	7.3	4.6	4.6	7	6	95	95	95							95
IM1	Cloudy	Moderate	12:41	7.6	Surface	1.0	0.3	156	19.5	19.5	8.1	8.1	29.0	29.0	101.8	101.8	7.9	7.9	5.6	6.9	10	11	91	92	818350	806461	<0.2	<0.2	0.8	0.8	
						1.0	0.4	164	19.5	8.1	8.1	29.0	29.0	101.8	101.8	7.9	7.9	5.6	6.9	10	11	91	92								
					Middle	3.8	0.3	149	19.0	8.1	8.1	29.0	29.0	100.5	100.5	7.8	7.8	7.3	7.2	10	11	92	92	92							92
						3.8	0.3	160	19.0	8.1	8.1	29.0	29.0	100.5	100.5	7.8	7.8	7.2	7.2	12	11	92	92	92							92
					Bottom	6.6	0.3	152	18.9	8.1	8.1	28.9	28.9	100.4	100.5	7.9	7.9	7.8	7.8	13	11	93	93	93							93
						6.6	0.3	165	18.9	8.1	8.1	28.9	28.9	100.5	100.5	7.9	7.9	7.8	7.8	13	11	93	93	93							93
IM2	Cloudy	Moderate	12:35	8.3	Surface	1.0	0.3	164	19.3	19.3	8.1	8.1	28.9	28.9	101.0	101.0	7.8	7.8	5.9	9.1	15	18	90	91	818854	806175	<0.2	<0.2	0.8	0.8	
						1.0	0.3	169	19.3	8.1	8.1	28.9	28.9	101.0	101.0	7.8	7.8	5.9	9.1	14	18	90	91								
					Middle	4.2	0.3	166	18.9	8.1	8.1	29.0	29.0	99.2	99.2	7.8	7.8	10.4	10.4	18	18	91	91	91							91
						4.2	0.4	178	18.9	8.1	8.1	28.9	28.9	99.1	99.1	7.8	7.8	10.4	10.4	19	18	91	91	91							91
					Bottom	7.3	0.3	190	18.9	8.0	8.0	28.7	28.7	99.4	99.4	7.8	7.8	11.0	11.1	20	18	92	92	92							92
						7.3	0.3	206	18.9	8.0	8.0	28.6	28.7	99.4	99.4	7.8	7.8	11.1	11.1	22	18	92	92	92							92
IM3	Cloudy	Moderate	12:25	8.5	Surface	1.0	0.4	145	19.2	19.2	8.1	8.1	28.7	28.7	100.5	100.5	7.8	7.8	7.6	9.4	8	15	91	92	819417	806022	<0.2	<0.2	1.0	0.9	
						1.0	0.4	151	19.2	8.1	8.1	28.7	28.7	100.5	100.5	7.8	7.8	7.6	9.4	10	15	91	92								
					Middle	4.3	0.4	142	18.9	8.1	8.1	28.8	28.8	99.6	99.6	7.8	7.8	9.9	10.1	17	15	92	92	92							92
						4.3	0.4	149	18.9	8.1	8.1	28.8	28.8	99.6	99.6	7.8	7.8	10.1	10.1	17	15	92	92	92							92
					Bottom	7.5	0.4	175	18.9	8.0	8.0	28.4	28.4	100.0	100.1	7.8	7.8	10.6	10.6	19	15	93	93	93							93
						7.5	0.4	181	18.9	8.0	8.0	28.4	28.4	100.1	100.1	7.8	7.8	10.6	10.6	20	15	93	93	93							93
IM4	Cloudy	Moderate	12:16	8.1	Surface	1.0	0.4	149	19.1	19.1	8.1	8.1	28.8	28.8	101.5	101.5	7.9	7.9	6.3	8.9	7	14	92	93	819567	805024	<0.2	<0.2	0.9	0.9	
						1.0	0.4	150	19.1	8.1	8.1	28.8	28.8	101.5	101.5	7.9	7.9	6.3	8.9	7	14	91	93								
					Middle	4.1	0.3	147	19.1	8.1	8.1	28.8	28.8	100.6	100.6	7.8	7.8	7.9	8.0	11	14	93	93	93							93
						4.1	0.3	154	19.1	8.1	8.1	28.7	28.7	100.6	100.6	7.8	7.8	8.0	8.0	11	14	93	93	93							93
					Bottom	7.1	0.3	174	18.9	8.0	8.0	28.4	28.4	99.9	99.9	7.8	7.8	12.3	12.4	22	14	94	94	94							94
						7.1	0.3	179	18.9	8.0	8.0	28.4	28.4	99.9	99.9	7.8	7.8	12.4	12.4	23	14	94	94	94							94
IM5	Cloudy	Moderate	12:08	6.9	Surface	1.0	0.4	168	19.1	19.1	8.0	8.0	28.4	28.4	99.6	99.6	7.8	7.8	4.6	7.7	8	14	90	91	820569	804910	<0.2	<0.2	1.1	1.1	
						1.0	0.4	179	19.1	8.0	8.0	28.4	28.4	99.6	99.6	7.8	7.8	4.6	7.7	10	14	90	91								
					Middle	3.5	0.4	162	19.1	8.0	8.0	28.1	28.1	99.6	99.6	7.8	7.8	7.4	7.5	10	14	90	91	91							91
						3.5	0.5	162	19.1	8.0	8.0	28.1	28.1	99.6	99.6	7.8	7.8	7.5	7.5	11	14	91	91	91							91
					Bottom	5.9	0.4	171	19.0	8.0	8.0	27.9	27.9	100.2	100.3	7.9	7.9	11.1	11.0	21	14	91	91	91							91
						5.9	0.4	181	19.0	8.0	8.0	27.9	27.9	100.3	100.3	7.9	7.9	11.0	11.0	23	14	91	91	91							91
IM6	Cloudy	Moderate	11:59	6.8	Surface	1.0	0.4	167	19.1	19.1	8.1	8.1	28.8	28.8	99.9	99.9	7.8	7.8	8.2	10.5	13	16	91	93	821071	805847	<0.2	<0.2	1.0	0.9	
						1.0	0.4	173	19.1	8.1	8.1	28.8	28.8	99.8	99.9	7.8	7.8	8.2	10.5	15	16	92	93								
					Middle	3.4	0.4	175	19.0	8.0	8.0	28.6	28.6	99.7	99.7	7.8	7.8	9.6	9.7	12	16	93	93	93							93
						3.4	0.4	183	19.0	8.0	8.0	28.6	28.6	99.7	99.7	7.8	7.8	9.7	9.7	14	16	93	93	93							93
					Bottom	5.8	0.4	159	19.0	8.0	8.0	28.1	28.1	99.9	100.0	7.8	7.8	13.6	13.5	19	16	94	94	94							94
						5.8	0.4	166	19.0	8.0	8.0	28.0	28.1	100.0	100.0	7.8	7.8	13.5	13.5	20	16	94	94	94							94
IM7	Cloudy	Moderate	11:50	8.3	Surface	1.0	0.5	111	19.1	19.1	8.0	8.0	28.2	28.2	97.6	97.6	7.6	7.7	7.6	7.8	12	14	89	91	821341	806833	<0.2	<0.2	1.1	1.1</	

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

Water Quality Monitoring Results on 28 January 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				
IM9	Cloudy	Moderate	12:37	7.4	Surface	1.0	0.4	127	19.2	19.2	8.0	8.0	29.0	29.0	97.6	97.6	7.6	7.6	9.9	10.6	8	12	86	91	822111	808799	<0.2	<0.2	1.3	1.2						
						1.0	0.5	137	19.2		8.0	8.0	29.0	29.0	97.6	97.6	7.6		10.0		10		87													
					Middle	3.7	0.4	114	19.1	19.1	8.0	8.0	29.0	29.0	97.4	97.4	7.6	7.6	10.8	10.6	13	12	91	91			<0.2		<0.2		1.1	1.2				
						3.7	0.5	121	19.1		8.0	8.0	29.0	29.0	97.4	97.4	7.6		10.8		14		92													
					Bottom	6.4	0.4	126	19.1	19.1	8.0	8.0	29.2	29.2	98.1	98.1	7.6	7.6	11.1	10.6	14	12	93	91			<0.2				<0.2		1.1	1.2		
						6.4	0.4	136	19.1		8.0	8.0	29.2	29.2	98.1	98.1	7.6		11.1		13		94													
IM10	Cloudy	Moderate	12:46	7.8	Surface	1.0	0.3	101	19.3	19.3	8.0	8.0	28.8	28.8	100.8	100.8	7.8	7.8	6.4	7.3	8	9	87	91	822232	809821	<0.2	<0.2		1.2			1.2			
						1.0	0.3	107	19.3		8.0	8.0	28.8	28.8	100.7	100.8	7.8		6.4		9		87													
					Middle	3.9	0.3	120	19.3	19.3	8.0	8.0	29.1	29.1	99.5	99.5	7.7	7.7	7.4	7.3	8	9	92	91			<0.2		<0.2	1.2		1.2				
						3.9	0.3	123	19.3		8.0	8.0	29.1	29.1	99.5	99.5	7.7		7.4		9		91													
					Bottom	6.8	0.3	139	19.3	19.3	8.0	8.0	29.3	29.3	99.5	99.5	7.7	7.7	8.0	7.3	8	9	94	91			<0.2			<0.2	1.2			1.2		
						6.8	0.3	147	19.3		8.0	8.0	29.3	29.3	99.5	99.5	7.7		8.0		9		94													
IM11	Cloudy	Moderate	12:56	8.3	Surface	1.0	0.5	152	19.3	19.3	8.0	8.0	28.4	28.4	100.7	100.7	7.8	7.8	6.4	7.8	7	7	88	91	821495	810539	<0.2	<0.2			1.7		1.4			
						1.0	0.5	166	19.3		8.0	8.0	28.4	28.4	100.7	100.7	7.8		6.4		5		89													
					Middle	4.2	0.5	160	19.3	19.3	8.0	8.0	29.0	29.0	99.0	99.0	7.7	7.7	7.5	7.8	8	7	91	91			<0.2		<0.2		1.3	1.4				
						4.2	0.6	171	19.3		8.0	8.0	29.0	29.0	99.0	99.0	7.7		7.5		7		92													
					Bottom	7.3	0.6	170	19.2	19.2	8.0	8.0	29.4	29.4	98.5	98.5	7.6	7.6	9.4	7.8	7	7	94	91			<0.2			<0.2	1.1			1.4		
						7.3	0.6	172	19.2		8.0	8.0	29.4	29.4	98.5	98.5	7.6		9.4		8		94													
IM12	Cloudy	Moderate	13:04	9.2	Surface	1.0	0.4	120	19.3	19.3	8.0	8.0	28.3	28.3	99.7	99.7	7.8	7.8	7.1	8.6	6	8	87	91	821145	811535	<0.2	<0.2			1.5		1.5			
						1.0	0.4	122	19.3		8.0	8.0	28.3	28.3	99.7	99.7	7.8		7.1		7		88													
					Middle	4.6	0.3	122	19.3	19.3	8.0	8.0	29.4	29.4	98.7	98.7	7.7	7.7	8.8	8.6	6	8	92	91			<0.2		<0.2		1.6	1.5				
						4.6	0.4	130	19.3		8.0	8.0	29.4	29.4	98.7	98.7	7.7		8.8		6		91													
					Bottom	8.2	0.3	137	19.2	19.2	8.0	8.0	29.5	29.5	97.9	97.9	7.6	7.6	9.9	8.6	10	7	94	91			<0.2			<0.2	1.3			1.5		
						8.2	0.4	140	19.2		8.0	8.0	29.5	29.5	97.9	97.9	7.6		9.9		10		94													
SR2	Cloudy	Moderate	13:28	4.5	Surface	1.0	0.3	106	19.3	19.3	8.0	8.0	29.5	29.5	100.9	100.9	7.8	7.8	6.8	6.6	6	7	88	92	821447	814167	<0.2	<0.2			1.1		1.1			
						1.0	0.3	110	19.3		8.0	8.0	29.5	29.5	100.8	100.9	7.8		6.8		6		89													
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	-	7	-	7			-		92		-	<0.2			-	1.1
						2.3	-	-	-		-	-	-	-	-	-	-		-		-		-				-				-					
					Bottom	3.5	0.2	91	19.3	19.3	8.0	8.0	29.5	29.5	101.0	101.0	7.8	7.8	6.3	6.6	7	7	95	92			<0.2		<0.2	1.1	1.1					
						3.5	0.2	96	19.3		8.0	8.0	29.5	29.5	101.0	101.0	7.8		6.3		7		95													
SR3	Cloudy	Moderate	12:24	9.2	Surface	1.0	0.5	132	19.2	19.2	8.0	8.0	29.1	29.1	97.4	97.4	7.6	7.6	12.2	16.7	15	16	-	-	822161	807553	-	-		-			-			
						1.0	0.5	135	19.2		8.0	8.0	29.1	29.1	97.4	97.4	7.6		12.2		13		-													
					Middle	4.6	0.5	119	19.2	19.2	8.0	8.0	29.1	29.1	96.9	96.9	7.5	7.5	16.1	16.7	14	16	-	-			-			<0.2		-		-		
						4.6	0.5	129	19.2		8.0	8.0	29.1	29.1	96.9	96.9	7.5		16.1		13		-													
					Bottom	8.2	0.4	110	19.2	19.2	8.0	8.0	29.1	29.1	97.3	97.3	7.6	7.6	21.7	16.7	20	16	-	-			-		<0.2		-	-				
						8.2	0.5	114	19.2		8.0	8.0	29.1	29.1	97.3	97.3	7.6		21.7		18		-													
SR4A	Cloudy	Moderate	13:27	8.7	Surface	1.0	0.5	89	19.3	19.3	8.1	8.1	28.8	28.8	100.9	100.9	7.8	7.8	5.4	6.3	10	10	-	-	817208	807810	-	-			-		-			
						1.0	0.5	90	19.2		8.1	8.1	28.8	28.8	100.9	100.9	7.8		5.5		9		-													
					Middle	4.4	0.5	104	19.2	19.2	8.0	8.0	28.5	28.5	100.2	100.2	7.8	7.8	6.4	6.3	9	10	-	-			-			<0.2	-			-		
						4.4	0.5	112	19.2		8.0	8.0	28.5	28.5	100.1	100.2	7.8		6.2		11		-													
					Bottom	7.7	0.5	95	19.0	19.0	8.0	8.0	28.0	28.0	100.2	100.3	7.9	7.9	7.0	6.3	10	10	-	-			-		<0.2		-	-				
						7.7	0.5	95	19.0		8.0	8.0	27.9	28.0	100.3	100.3	7.9		7.0		12		-													
SR5A	Cloudy	Moderate	13:44	4.6	Surface	1.0	0.1	144	19.1	19.1	8.0	8.0	28.6	28.6	104.2	104.2	8.1	8.1	4.9	4.9	12	11	-	-	816602	810711	-	-			-		-			
						1.0	0.1	148	19.1		8.0	8.0	28.6	28.6	104.1	104.2	8.1		5.0		11		-													
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	4.9	-	11	-	-			-			<0.2	-			-		
						2.3	-	-	-		-	-	-	-	-	-	-		-		-		-													
					Bottom	3.6	0.1	182	19.1	19.1	8.0	8.0	28.0	28.0	102.4	102.4	8.0	8.0	4.8	4.9	11	11	-	-			-		<0.2		-	-				
						3.6	0.1	192	19.1		8.0	8.0	28.0	28.0	102.3	102.4	8.0		4.8		11		-													
SR6	Cloudy	Moderate	14:10	4.2	Surface	1.0	0.2	132	19.3	19.3	8.0	8.0	28.8	28.8	103.0	103.0	8.0	8.0	5.6	8.0	16	22	-	-	817918	814647	-	-			-		-			
						1.0	0.2	135	19.3		8.0	8.0	28.8	28.8	103.0	103.0	8.0		5.6		16		-													
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	8.0	-	8.0	-	22			-			<0.2	-			-		
						2.1	-	-	-		-	-	-	-	-	-	-		-		-		-													
					Bottom	3.2	0.1	182	19.2	19.2	8.0	8.0	28.6	28.6	101.7	101.7	7.9	7.9	10.3	8.0	29	22	-	-			-		<0.2		-	-				
						3.2	0.1	195	19.2		8.0	8.0	28.6	28.6	101.7	101.7	7.9		10.3		27		-													
SR7	Cloudy	Moderate	14:23	17.1	Surface	1.0	0.6	79	19.3	19.3	8.0	8.0	29.9	29.9	91.8	91.8	7.1	7.1	5.2	5.7	6	8	-	-	823640	823753	-	-			-		-			
						1.0	0.6	79	19.3		8.0	8.0	29.9	29.9	91.8	91.8	7.1		5.2		6		-													
					Middle	8.6	0.4	78	19.3	19.3	8.0	8.0	30.0	30.0	91.4	91.4	7.1	7.1	5.9	5.7	8	8	-	-			-			<0.2	-			-		
						8.6	0.4	78	19.3		8.0	8.0	30.0	30.0	91.4	91.4	7.1		5.9		8		-													
					Bottom	16.1	0.2	135	19.3	19.3	8.0	8.0	30.0	30.0	92.6	92.7	7.2	7.2	6.0	5.7																

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

Water Quality Monitoring Results on 31 January 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	
C1	Cloudy	Moderate	09:16	8.4	Surface	1.0	0.7	52	18.8	18.8	7.9	7.9	28.9	28.9	92.8	92.8	7.3	7.3	17.0	17.0	29	29	86	86	815638	804262	<0.2	<0.2	0.8	0.7			
						1.0	0.7	53	18.8	7.9	7.9	28.9	28.9	92.8	92.8	7.3	7.3	17.1	17.1	27	27	86	86										
					Middle	4.2	0.6	61	18.8	7.9	7.9	28.8	28.8	92.5	92.5	7.3	7.3	19.0	18.8	30	32	89	89	89							89		
						4.2	0.6	62	18.8	7.9	7.9	28.8	28.8	92.5	92.5	7.3	7.3	18.9	18.8	32	32	89	89	89							89		
					Bottom	7.4	0.5	60	18.8	7.9	7.9	28.3	28.3	92.6	92.6	7.3	7.3	20.4	20.4	35	37	93	93	93							93	93	93
						7.4	0.5	62	18.8	7.9	7.9	28.3	28.3	92.6	92.6	7.3	7.3	20.4	20.4	37	37	93	93	93							93	93	93
C2	Cloudy	Moderate	10:11	12.3	Surface	1.0	0.6	260	19.4	19.4	7.9	7.9	27.0	27.0	89.2	89.3	7.0	7.0	10.9	11.0	7	6	105	102	825680	806958	<0.2	<0.2	1.9	2.0			
						1.0	0.6	277	19.4	7.9	7.9	27.0	27.0	89.3	89.3	7.0	7.0	11.0	11.0	6	6	102	102										
					Middle	6.2	0.5	210	19.4	7.9	7.9	27.2	27.2	89.3	89.3	7.0	7.0	13.0	17.7	21	20	72	73	88							88		
						6.2	0.5	216	19.4	7.9	7.9	27.2	27.2	89.3	89.3	7.0	7.0	12.8	17.7	20	20	73	73	88							88		
					Bottom	11.3	0.4	139	19.4	7.9	7.9	27.5	27.5	90.7	90.7	7.1	7.1	29.1	29.1	32	32	88	88	90							90		
						11.3	0.4	139	19.4	7.9	7.9	27.5	27.5	90.7	90.7	7.1	7.1	29.1	29.1	32	32	88	88	90							90		
C3	Cloudy	Moderate	08:24	12.1	Surface	1.0	0.5	258	19.3	19.3	8.0	8.0	28.8	28.8	91.1	91.1	7.1	7.1	8.9	8.9	8	6	89	86	822104	817810	<0.2	<0.2	1.5	1.3			
						1.0	0.5	258	19.3	8.0	8.0	28.8	28.8	91.1	91.1	7.1	7.1	8.9	8.9	6	6	86	86										
					Middle	6.1	0.6	261	19.4	7.9	7.9	29.1	29.1	89.3	89.3	6.9	6.9	11.9	18.4	8	7	93	95	93							93		
						6.1	0.6	280	19.4	7.9	7.9	29.1	29.1	89.3	89.3	6.9	6.9	11.9	18.4	7	7	95	95	93							93		
					Bottom	11.1	0.5	262	19.3	7.9	7.9	29.3	29.3	89.5	89.5	6.9	6.9	34.3	6.9	19	19	97	100	90							90		
						11.1	0.5	275	19.3	7.9	7.9	29.3	29.3	89.5	89.5	6.9	6.9	34.3	6.9	19	19	97	100	90							90		
IM1	Cloudy	Moderate	09:39	7.6	Surface	1.0	0.5	151	19.1	19.1	7.9	7.9	27.9	27.9	90.8	90.8	7.1	7.1	15.2	15.2	28	29	88	87	818349	806461	<0.2	<0.2	1.2	1.2			
						1.0	0.5	153	19.1	7.9	7.9	27.9	27.9	90.8	90.8	7.1	7.1	15.2	15.2	29	29	87	87										
					Middle	3.8	0.5	133	19.1	7.9	7.9	27.7	27.7	90.8	90.8	7.1	7.1	19.4	18.8	34	34	90	89	90							90		
						3.8	0.5	137	19.1	7.9	7.9	27.7	27.7	90.8	90.8	7.1	7.1	19.4	18.8	34	34	89	89	90							90		
					Bottom	6.6	0.4	118	19.1	7.9	7.9	27.5	27.5	91.0	91.0	7.2	7.2	21.7	7.2	33	33	93	94	90							90		
						6.6	0.5	128	19.1	7.9	7.9	27.5	27.5	90.9	91.0	7.2	7.2	21.8	7.2	33	33	94	94	90							90		
IM2	Cloudy	Moderate	09:47	8.4	Surface	1.0	0.5	110	19.1	19.2	7.9	7.9	27.9	27.9	90.0	90.1	7.1	7.1	19.0	19.0	17	16	86	87	818862	806174	<0.2	<0.2	2.3	2.3			
						1.0	0.6	114	19.2	7.9	7.9	27.9	27.9	90.1	90.1	7.1	7.1	19.0	7.1	16	16	87	87										
					Middle	4.2	0.6	95	19.1	7.9	7.9	27.7	27.7	90.6	90.6	7.1	7.1	21.2	20.5	20	20	93	91	91							91		
						4.2	0.6	96	19.1	7.9	7.9	27.7	27.7	90.6	90.6	7.1	7.1	21.3	20.5	21	20	91	91	91							91		
					Bottom	7.4	0.5	101	19.1	7.9	7.9	27.7	27.7	90.7	90.8	7.1	7.1	21.3	7.1	23	23	93	93	91							91		
						7.4	0.5	101	19.1	7.9	7.9	27.7	27.7	90.8	90.8	7.1	7.1	21.3	7.1	23	23	93	93	91							91		
IM3	Cloudy	Moderate	9:54	8.8	Surface	1.0	0.6	67	19.1	19.1	7.9	7.9	27.9	27.9	90.2	90.3	7.1	7.1	17.1	17.2	28	27	88	87	819427	806003	<0.2	<0.2	1.9	1.9			
						1.0	0.6	73	19.1	7.9	7.9	27.9	27.9	90.3	90.3	7.1	7.1	17.2	7.1	27	27	87	87										
					Middle	4.4	0.5	69	19.1	7.9	7.9	27.8	27.8	90.5	90.5	7.1	7.1	21.2	20.4	32	30	91	88	90							90		
						4.4	0.6	70	19.1	7.9	7.9	27.8	27.8	90.5	90.5	7.1	7.1	21.2	20.4	30	30	88	88	90							90		
					Bottom	7.8	0.5	76	19.2	7.9	7.9	27.4	27.4	93.2	93.2	7.3	7.3	22.8	7.3	30	30	93	94	90							90		
						7.8	0.5	78	19.2	7.9	7.9	27.3	27.3	93.2	93.2	7.3	7.3	22.8	7.3	30	30	93	94	90							90		
IM4	Cloudy	Moderate	10:03	8.3	Surface	1.0	0.7	45	19.0	19.0	7.9	7.9	28.1	28.1	91.4	91.4	7.2	7.2	18.4	18.4	25	25	89	88	819589	805057	<0.2	<0.2	2.4	2.4			
						1.0	0.7	48	19.0	7.9	7.9	28.1	28.1	91.4	91.4	7.2	7.2	18.4	7.2	25	25	88	88										
					Middle	4.2	0.6	71	19.1	7.9	7.9	28.1	28.1	91.4	91.4	7.2	7.2	19.1	19.2	26	27	90	90	91							91		
						4.2	0.6	76	19.1	7.9	7.9	28.1	28.1	91.4	91.4	7.2	7.2	19.1	19.2	27	27	90	90	91							91		
					Bottom	7.3	0.6	70	19.1	7.9	7.9	28.0	28.0	91.7	91.7	7.2	7.2	20.3	7.2	35	33	92	94	91							91		
						7.3	0.6	70	19.1	7.9	7.9	28.0	28.0	91.7	91.7	7.2	7.2	20.0	7.2	33	33	92	94	91							91		
IM5	Cloudy	Moderate	10:10	7.0	Surface	1.0	0.6	76	19.2	19.2	7.9	7.9	27.9	27.9	89.6	89.6	7.0	7.0	18.8	18.8	22	22	87	85	820572	804937	<0.2	<0.2	2.1	2.5			
						1.0	0.7	81	19.2	7.9	7.9	27.9	27.9	89.6	89.6	7.0	7.0	18.8	7.0	22	22	85	85										
					Middle	3.5	0.6	92	19.2	7.9	7.9	27.8	27.8	89.9	89.9	7.0	7.0	19.7	19.6	24	24	89	91	90							90		
						3.5	0.6	94	19.2	7.9	7.9	27.8	27.8	89.9	89.9	7.0	7.0	19.7	19.6	24	24	89	91	90							90		
					Bottom	6.0	0.5	107	19.2	7.9	7.9	27.6	27.6	91.3	91.3	7.2	7.2	20.3	7.2	27	28	92	93	90							90		
						6.0	0.5	115	19.2	7.9	7.9	27.6	27.6	91.3	91.3	7.2	7.2	20.3	7.2	28	28	93	93	90							90		
IM6	Cloudy	Moderate	10:17	7.1	Surface	1.0	0.7	83	19.2	19.2	7.9	7.9	27.7	27.7	89.6	89.6	7.0	7.1	16.7	16.7	24	22	88	87	821079	805823	<0.2	<0.2	2.4	2.4			
						1.0	0.8	86	19.2	7.9	7.9	27.7	27.7	89.6	89.6	7.0	7.1	16.7	7.1	22	22	87	87										
					Middle	3.6	0.8	72	19.1	7.9	7.9	27.7	27.7	90.2	90.2	7.1	7.1	20.2	19.9	28	27	90	90	90							90		
						3.6	0.8	72	19.1	7.9	7.9	27.7	27.7	90.2	90.2	7.1	7.1	20.2	19.9	27	27	90	90	90							90		
					Bottom	6.1	0.6	119	19.1	7.9	7.9	27.7	27.7	90.7	90.7	7.1	7.1	22.9	7.1	28	27	92	94	90							90		
						6.1	0.6	125	19.1	7.9	7.9	27.7	27.7	90.7	90.7	7.1	7.1	22.9	7.1	27	27	92	94	90							90		
IM7	Cloudy	Moderate	10:25	8.5	Surface	1.0	0.8	57	19.2																								

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

Water Quality Monitoring Results on 31 January 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
IM9	Cloudy	Moderate	09:40	7.3	Surface	1.0	0.4	249	19.4	19.4	7.9	7.9	28.1	28.1	91.5	91.5	7.1	7.2	15.3	16.7	16	19	86	83	822108	808823	<0.2	<0.2	1.5	1.6			
						1.0	0.4	271	19.4	7.9	7.9	28.1	28.1	91.5	91.5	7.1	7.2	15.3	16.7	17	19	86	83	822108	808823	<0.2	<0.2	1.4	1.6				
					Middle	3.7	0.3	260	19.4	7.9	7.9	28.1	28.1	92.7	92.7	7.2	7.2	16.2	16.7	17	23	80	24	78	87	822108	808823	<0.2	<0.2	1.7	1.6		
						3.7	0.4	260	19.4	7.9	7.9	28.1	28.1	92.7	92.7	7.2	7.2	16.2	16.7	18	23	80	24	78	87	822108	808823	<0.2	<0.2	1.6	1.6		
					Bottom	6.3	0.4	256	19.4	8.0	8.0	28.1	28.1	100.5	100.5	7.8	7.8	18.7	23.4	22	28	87	86	83	83	822108	808823	<0.2	<0.2	1.6	1.5		
						6.3	0.4	264	19.4	8.0	8.0	28.1	28.1	100.5	100.5	7.8	7.8	18.7	23.4	24	28	87	86	83	83	822108	808823	<0.2	<0.2	1.5	1.5		
IM10	Cloudy	Moderate	09:32	7.1	Surface	1.0	0.7	297	19.0	19.0	8.0	8.0	28.4	28.4	95.0	95.0	7.4	7.5	18.1	21.0	20	24	93	92	822250	809819	<0.2	<0.2	1.4	1.5			
						1.0	0.7	320	19.0	8.0	8.0	28.4	28.4	95.0	95.0	7.4	7.5	18.1	21.0	20	24	95	95	95	92	822250	809819	<0.2	<0.2	1.4	1.5		
					Middle	3.6	0.6	289	19.1	8.0	8.0	28.4	28.4	95.2	95.2	7.5	7.5	21.4	21.0	23	24	95	24	95	92	822250	809819	<0.2	<0.2	1.5	1.5		
						3.6	0.6	294	19.1	8.0	8.0	28.4	28.4	95.2	95.2	7.5	7.5	21.4	21.0	22	24	95	24	95	92	822250	809819	<0.2	<0.2	1.6	1.5		
					Bottom	6.1	0.5	292	19.0	8.0	8.0	28.4	28.4	95.9	95.9	7.5	7.5	23.4	23.4	29	28	87	86	87	86	822250	809819	<0.2	<0.2	1.7	1.6		
						6.1	0.5	304	19.0	8.0	8.0	28.4	28.4	95.9	95.9	7.5	7.5	23.4	23.4	28	28	86	86	86	86	822250	809819	<0.2	<0.2	1.7	1.6		
IM11	Cloudy	Moderate	09:21	7.8	Surface	1.0	0.8	265	19.3	19.3	8.0	8.0	28.4	28.4	92.1	92.1	7.2	7.2	18.4	20.1	22	23	90	85	821512	810556	<0.2	<0.2	1.4	1.5			
						1.0	0.8	281	19.3	8.0	8.0	28.4	28.4	92.1	92.1	7.2	7.2	18.4	20.1	21	23	87	85	821512	810556	<0.2	<0.2	1.6	1.5				
					Middle	3.9	0.8	260	19.3	8.0	8.0	28.4	28.4	91.9	91.9	7.2	7.2	19.9	20.1	24	23	81	23	81	85	821512	810556	<0.2	<0.2	1.4	1.5		
						3.9	0.8	260	19.3	8.0	8.0	28.4	28.4	91.9	91.9	7.2	7.2	19.9	20.1	22	23	82	23	82	85	821512	810556	<0.2	<0.2	1.3	1.5		
					Bottom	6.8	1.0	261	19.3	8.0	8.0	28.4	28.4	91.7	91.7	7.1	7.1	22.0	20.1	23	23	87	83	87	83	821512	810556	<0.2	<0.2	1.7	1.6		
						6.8	1.0	278	19.3	8.0	8.0	28.4	28.4	91.7	91.7	7.1	7.1	22.0	20.1	23	23	83	83	83	83	821512	810556	<0.2	<0.2	1.6	1.6		
IM12	Cloudy	Moderate	09:10	7.2	Surface	1.0	0.6	270	19.3	19.3	8.0	8.0	28.9	28.9	92.9	92.9	7.2	7.2	16.3	19.9	18	23	91	85	821145	811531	<0.2	<0.2	1.2	1.4			
						1.0	0.6	287	19.3	8.0	8.0	28.9	28.9	92.9	92.9	7.2	7.2	16.3	19.9	19	23	93	23	93	85	821145	811531	<0.2	<0.2	1.2	1.4		
					Middle	3.6	0.6	272	19.3	8.0	8.0	28.9	28.9	92.8	92.8	7.2	7.2	19.2	19.9	24	23	81	23	81	85	821145	811531	<0.2	<0.2	1.6	1.4		
						3.6	0.7	295	19.3	8.0	8.0	28.9	28.9	92.8	92.8	7.2	7.2	19.2	19.9	25	23	82	23	82	85	821145	811531	<0.2	<0.2	1.7	1.4		
					Bottom	6.2	0.5	270	19.3	8.0	8.0	28.9	28.9	92.6	92.6	7.2	7.2	24.1	19.9	25	23	83	23	83	85	821145	811531	<0.2	<0.2	1.5	1.4		
						6.2	0.5	294	19.3	8.0	8.0	28.9	28.9	92.6	92.6	7.2	7.2	24.1	19.9	27	23	82	23	82	85	821145	811531	<0.2	<0.2	1.4	1.4		
SR2	Cloudy	Moderate	08:46	4.2	Surface	1.0	0.4	164	19.2	19.2	8.0	8.0	28.7	28.7	92.7	92.7	7.2	7.2	19.1	21.5	20	21	80	83	821470	814157	<0.2	<0.2	1.2	1.4			
						1.0	0.4	166	19.2	8.0	8.0	28.7	28.7	92.7	92.7	7.2	7.2	19.1	21.5	19	21	83	21	83	83	821470	814157	<0.2	<0.2	1.4	1.4		
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	821470	814157	<0.2	<0.2	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	821470	814157	<0.2	<0.2	-	-
					Bottom	3.2	0.3	153	19.2	8.0	8.0	28.7	28.7	93.9	93.9	7.3	7.3	23.8	21.5	22	23	86	21	86	83	821470	814157	<0.2	<0.2	1.6	1.4		
						3.2	0.3	166	19.2	8.0	8.0	28.7	28.7	93.9	93.9	7.3	7.3	23.8	21.5	22	23	83	21	83	83	821470	814157	<0.2	<0.2	1.5	1.4		
SR3	Cloudy	Moderate	09:54	8.9	Surface	1.0	0.4	216	19.4	19.4	7.9	7.9	27.5	27.5	97.7	97.7	7.6	7.4	11.8	15.4	10	13	-	-	822165	807565	-	-	-	-			
						1.0	0.4	220	19.4	7.9	7.9	27.5	27.5	97.7	97.7	7.6	7.4	11.8	15.4	10	13	-	13	-	-	822165	807565	-	-	-	-		
					Middle	4.5	0.4	191	19.4	7.9	7.9	27.5	27.5	91.2	91.2	7.1	7.1	13.9	15.4	9	13	-	13	-	-	-	-	822165	807565	-	-	-	-
						4.5	0.4	191	19.4	7.9	7.9	27.5	27.5	91.2	91.2	7.1	7.1	13.9	15.4	10	13	-	13	-	-	-	-	822165	807565	-	-	-	-
					Bottom	7.9	0.4	169	19.4	7.9	7.9	27.6	27.6	93.1	93.1	7.3	7.3	20.4	15.4	21	13	-	13	-	-	-	-	822165	807565	-	-	-	-
						7.9	0.4	174	19.4	7.9	7.9	27.6	27.6	93.1	93.1	7.3	7.3	20.4	15.4	20	13	-	13	-	-	-	-	822165	807565	-	-	-	-
SR4A	Cloudy	Calm	08:52	8.2	Surface	1.0	0.4	214	19.1	19.1	7.8	7.8	28.0	28.0	90.8	90.8	7.1	7.2	7.9	9.0	11	14	-	-	817176	807800	-	-	-	-			
						1.0	0.4	223	19.1	7.8	7.8	28.0	28.0	90.7	90.7	7.1	7.2	7.9	9.0	11	14	-	14	-	-	817176	807800	-	-	-	-		
					Middle	4.1	0.4	225	19.1	7.8	7.8	27.7	27.7	91.2	91.2	7.2	7.2	9.1	9.0	16	14	-	14	-	-	-	-	817176	807800	-	-	-	-
						4.1	0.4	237	19.1	7.8	7.8	27.7	27.7	91.2	91.2	7.2	7.2	9.1	9.0	15	14	-	14	-	-	-	-	817176	807800	-	-	-	-
					Bottom	7.2	0.3	222	19.0	7.8	7.8	27.1	27.1	92.1	92.1	7.3	7.3	10.0	9.0	16	14	-	14	-	-	-	-	817176	807800	-	-	-	-
						7.2	0.3	242	19.0	7.8	7.8	27.1	27.1	92.2	92.2	7.3	7.3	10.0	9.0	17	14	-	14	-	-	-	-	817176	807800	-	-	-	-
SR5A	Cloudy	Calm	08:35	4.1	Surface	1.0	0.3	314	19.1	19.1	7.8	7.8	28.2	28.2	90.5	90.5	7.1	7.1	13.7	16.9	11	11	-	-	816608	810694	-	-	-	-			
						1.0	0.4	339	19.1	7.8	7.8	28.2	28.2	90.5	90.5	7.1	7.1	13.7	16.9	11	11	-	11	-	-	816608	810694	-	-	-	-		
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816608	810694	-	-	-	-	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816608	810694	-	-	-	-	

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

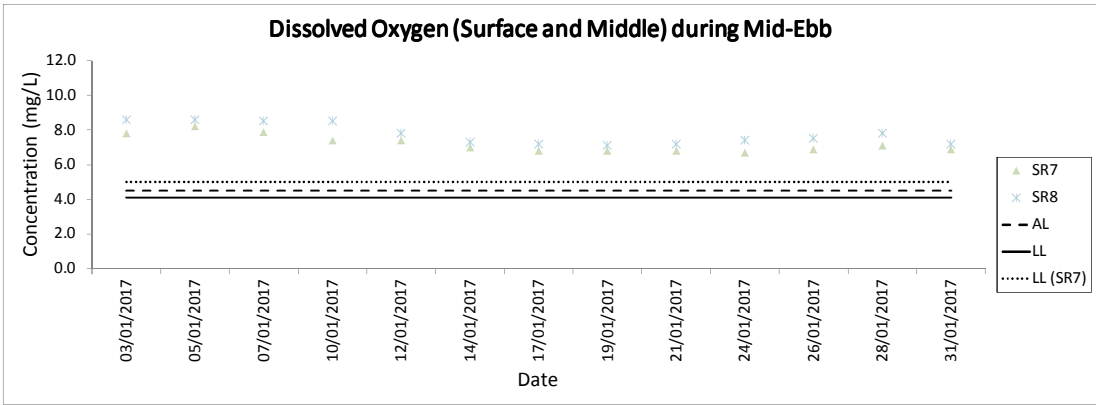
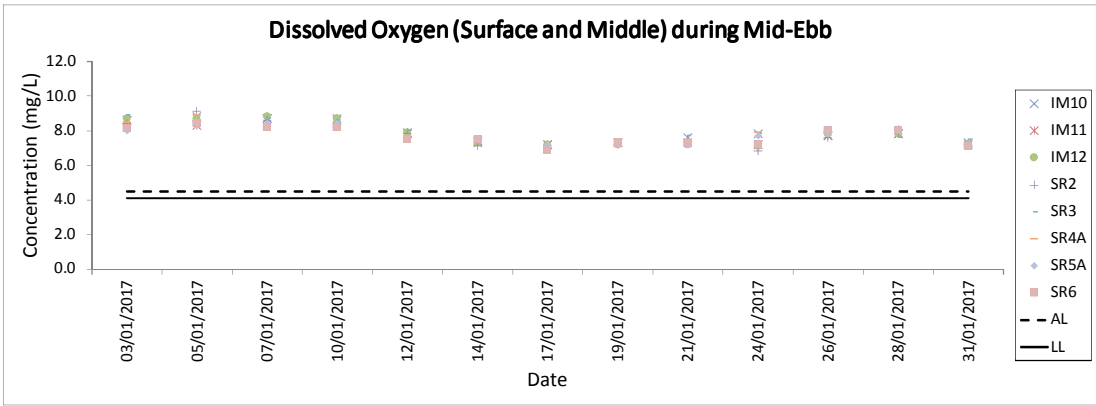
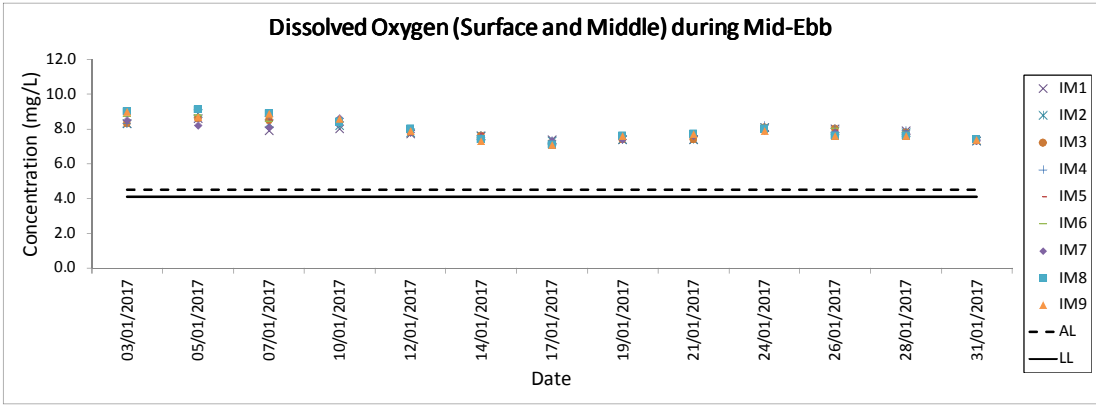
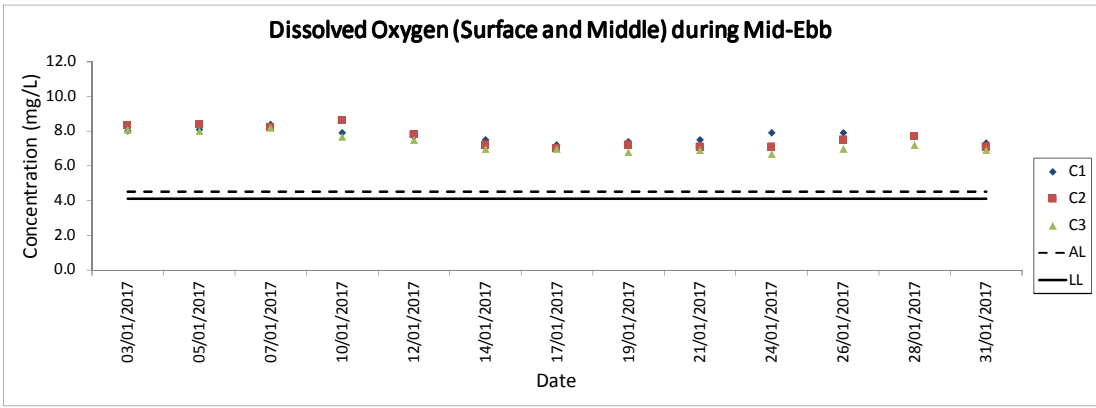
Water Quality Monitoring Results on 31 January 17 during Mid-Ebb tide

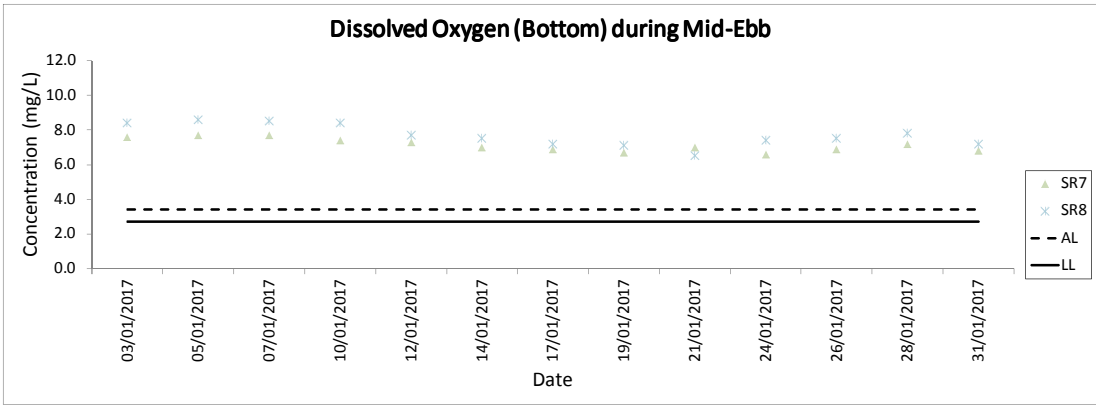
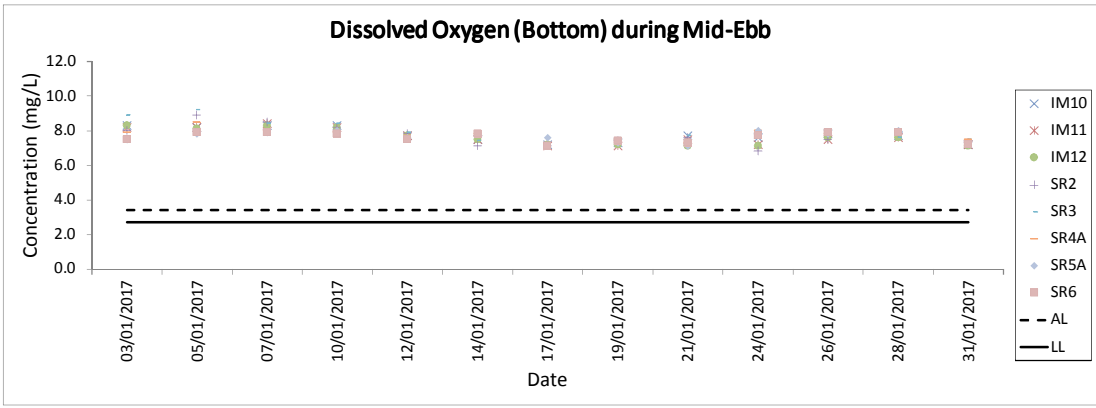
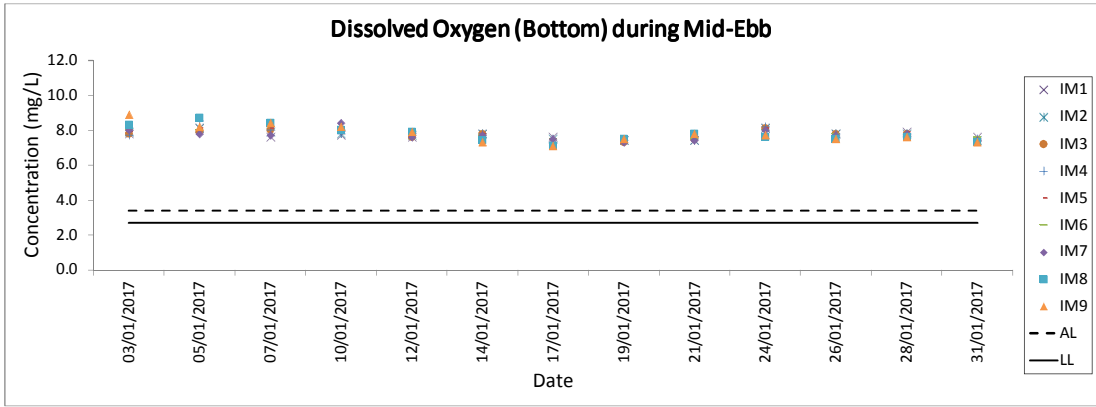
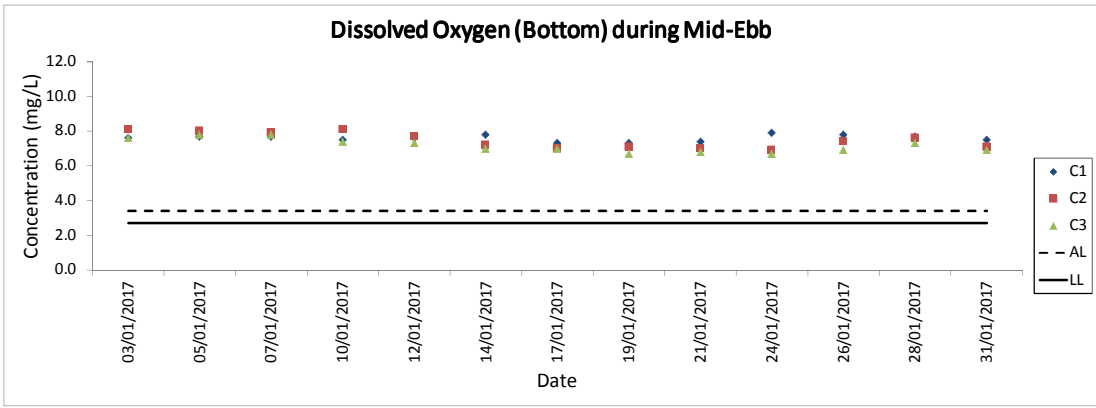
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	14:56	9.1	Surface	1.0	0.3	178	18.7	8.0	8.0	29.7	29.7	93.9	93.9	7.3	7.3	22.4	22.4	22	22	86	86	90	90	815631	804231	<0.2	<0.2	1.5	1.5	
						1.0	0.3	191	18.7	8.0	8.0	29.7	29.7	93.9	93.9	7.3	7.3	22.4	22.4	21	21	87	87	90	90	815631	804231	<0.2	<0.2	1.2	1.2	
					Middle	4.6	0.3	172	18.7	8.0	8.0	29.6	29.6	93.9	93.9	7.3	7.3	23.3	23.3	24.2	24.2	22	22	90	90	815631	804231	<0.2	<0.2	1.6	1.6	
						4.6	0.3	185	18.7	8.0	8.0	29.6	29.6	93.9	93.9	7.3	7.3	23.3	23.3	24.2	24.2	21	21	88	88	815631	804231	<0.2	<0.2	1.4	1.4	
					Bottom	8.1	0.3	173	18.7	8.0	8.0	29.0	29.0	95.1	95.1	7.5	7.5	26.8	26.8	7.5	7.5	22	22	94	94	815631	804231	<0.2	<0.2	2.0	2.0	
						8.1	0.3	182	18.7	8.0	8.0	29.0	29.0	95.1	95.1	7.5	7.5	26.8	26.8	7.5	7.5	22	22	94	94	815631	804231	<0.2	<0.2	2.0	2.0	
C2	Cloudy	Moderate	13:47	12.8	Surface	1.0	0.3	148	19.4	7.9	7.9	27.5	27.5	90.4	90.4	7.1	7.1	11.0	11.0	11	11	80	80	86	86	825676	806960	<0.2	<0.2	1.7	1.7	
						1.0	0.3	161	19.4	7.9	7.9	27.5	27.5	90.4	90.4	7.1	7.1	11.0	11.0	12	12	78	78	86	86	825676	806960	<0.2	<0.2	1.4	1.4	
					Middle	6.4	0.3	121	19.3	7.9	7.9	28.0	28.0	90.3	90.3	7.1	7.1	19.9	19.9	20.2	20.2	15	15	88	88	825676	806960	<0.2	<0.2	1.5	1.5	
						6.4	0.3	122	19.3	7.9	7.9	28.0	28.0	90.3	90.3	7.1	7.1	19.9	19.9	20.2	20.2	16	16	87	87	825676	806960	<0.2	<0.2	1.7	1.7	
					Bottom	11.8	0.3	157	19.2	7.9	7.9	28.3	28.3	90.3	90.3	7.1	7.1	29.8	29.8	7.1	7.1	29	29	91	91	825676	806960	<0.2	<0.2	1.3	1.3	
						11.8	0.3	170	19.2	7.9	7.9	28.3	28.3	90.3	90.3	7.1	7.1	29.8	29.8	7.1	7.1	28	28	90	90	825676	806960	<0.2	<0.2	1.5	1.5	
C3	Cloudy	Moderate	16:09	12.2	Surface	1.0	0.4	68	19.4	7.9	7.9	29.2	29.2	88.4	88.4	6.9	6.9	15.5	15.5	17	17	78	78	88	88	822114	817807	<0.2	<0.2	0.8	0.8	
						1.0	0.4	73	19.4	7.9	7.9	29.2	29.2	88.4	88.4	6.9	6.9	15.5	15.5	14.5	14.5	18	18	78	78	88	88	822114	817807	<0.2	<0.2	0.8
					Middle	6.1	0.4	73	19.3	7.9	7.9	29.4	29.4	87.9	87.9	6.8	6.8	13.0	13.0	14.5	14.5	17	17	91	91	822114	817807	<0.2	<0.2	0.8	0.8	
						6.1	0.4	80	19.3	7.9	7.9	29.4	29.4	87.9	87.9	6.8	6.8	13.0	13.0	14.5	14.5	16	16	90	90	822114	817807	<0.2	<0.2	0.9	0.9	
					Bottom	11.2	0.4	112	19.3	7.9	7.9	29.7	29.7	88.9	88.9	6.9	6.9	15.1	15.1	6.9	6.9	16	16	96	96	822114	817807	<0.2	<0.2	0.9	0.9	
						11.2	0.4	114	19.3	7.9	7.9	29.7	29.7	88.9	88.9	6.9	6.9	15.1	15.1	6.9	6.9	17	17	95	95	822114	817807	<0.2	<0.2	0.8	0.8	
IM1	Cloudy	Moderate	14:36	7.9	Surface	1.0	0.3	209	18.9	8.0	8.0	28.4	28.4	93.5	93.5	7.3	7.3	12.7	12.7	15	15	85	85	90	90	818348	806446	<0.2	<0.2	0.8	0.8	
						1.0	0.3	220	18.9	8.0	8.0	28.4	28.4	93.5	93.5	7.3	7.3	12.7	12.7	16.6	16.6	15	15	87	87	90	90	818348	806446	<0.2	<0.2	0.8
					Middle	4.0	0.3	128	18.8	8.0	8.0	28.7	28.7	93.5	93.5	7.3	7.3	15.2	15.2	16.6	16.6	22	22	90	90	818348	806446	<0.2	<0.2	0.7	0.7	
						4.0	0.3	132	18.8	8.0	8.0	28.7	28.7	93.5	93.5	7.3	7.3	15.2	15.2	16.6	16.6	23	23	91	91	818348	806446	<0.2	<0.2	0.8	0.8	
					Bottom	6.9	0.3	122	18.7	7.9	7.9	28.3	28.3	95.8	95.9	7.6	7.6	22.1	22.1	7.6	7.6	21	21	92	92	818348	806446	<0.2	<0.2	0.9	0.9	
						6.9	0.3	124	18.7	7.9	7.9	28.3	28.3	95.9	95.9	7.6	7.6	21.7	21.7	7.6	7.6	22	22	93	93	818348	806446	<0.2	<0.2	0.9	0.9	
IM2	Cloudy	Moderate	14:31	9.0	Surface	1.0	0.4	146	18.8	8.0	8.0	29.1	29.1	93.5	93.5	7.3	7.3	12.5	12.5	26	26	88	88	92	92	818848	806182	<0.2	<0.2	0.7	0.7	
						1.0	0.4	150	18.8	8.0	8.0	29.1	29.1	93.5	93.5	7.3	7.3	12.6	12.6	16.0	16.0	24	24	90	90	818848	806182	<0.2	<0.2	0.7	0.7	
					Middle	4.5	0.3	126	18.8	8.0	8.0	29.0	29.0	93.4	93.4	7.3	7.3	14.4	14.4	16.0	16.0	30	30	92	92	818848	806182	<0.2	<0.2	0.8	0.8	
						4.5	0.3	128	18.8	8.0	8.0	29.0	29.0	93.4	93.4	7.3	7.3	14.5	14.5	16.0	16.0	29	29	93	93	818848	806182	<0.2	<0.2	0.7	0.7	
					Bottom	8.0	0.4	109	18.7	8.0	8.0	28.7	28.7	94.2	94.3	7.4	7.4	21.0	21.0	7.4	7.4	31	31	94	94	818848	806182	<0.2	<0.2	0.8	0.8	
						8.0	0.4	111	18.7	8.0	8.0	28.7	28.7	94.3	94.3	7.4	7.4	20.9	20.9	7.4	7.4	33	33	93	93	818848	806182	<0.2	<0.2	0.7	0.7	
IM3	Cloudy	Moderate	14:23	9.2	Surface	1.0	0.4	117	18.8	8.0	8.0	29.1	29.1	93.1	93.1	7.3	7.3	16.6	16.6	27	27	90	90	92	92	819412	806001	<0.2	<0.2	0.8	0.8	
						1.0	0.4	121	18.8	8.0	8.0	29.1	29.1	93.1	93.1	7.3	7.3	16.7	16.7	19.3	19.3	26	26	88	88	819412	806001	<0.2	<0.2	0.7	0.7	
					Middle	4.6	0.4	96	18.7	8.0	8.0	29.0	29.0	93.2	93.2	7.3	7.3	20.3	20.3	19.3	19.3	31	31	93	93	819412	806001	<0.2	<0.2	0.9	0.9	
						4.6	0.4	100	18.7	8.0	8.0	29.0	29.0	93.2	93.2	7.3	7.3	20.4	20.4	19.3	19.3	33	33	93	93	819412	806001	<0.2	<0.2	1.0	1.0	
					Bottom	8.2	0.3	148	18.7	8.0	8.0	28.8	28.8	94.0	94.0	7.4	7.4	21.1	21.1	7.4	7.4	30	30	94	94	819412	806001	<0.2	<0.2	0.8	0.8	
						8.2	0.3	155	18.7	8.0	8.0	28.8	28.8	94.0	94.0	7.4	7.4	20.8	20.8	7.4	7.4	32	32	93	93	819412	806001	<0.2	<0.2	0.8	0.8	
IM4	Cloudy	Moderate	14:16	8.7	Surface	1.0	0.6	116	18.9	8.0	8.0	28.5	28.5	92.9	92.9	7.3	7.3	16.8	16.8	23	23	87	87	91	91	819554	805043	<0.2	<0.2	1.0	1.0	
						1.0	0.6	116	18.9	8.0	8.0	28.5	28.5	92.9	92.9	7.3	7.3	16.8	16.8	22.4	22.4	22	22	87	87	91	91	819554	805043	<0.2	<0.2	0.9
					Middle	4.4	0.6	114	18.7	8.0	8.0	28.7	28.7	93.8	93.8	7.4	7.4	22.6	22.6	22.4	22.4	25	25	91	91	819554	805043	<0.2	<0.2	1.2	1.2	
						4.4	0.6	117	18.7	7.9	7.9	28.7	28.7	93.8	93.8	7.4	7.4	22.6	22.6	22.4	22.4	25	25	92	92	819554	805043	<0.2	<0.2	1.0	1.0	
					Bottom	7.7	0.6	135	18.7	7.9	7.9	28.4	28.4	95.0	95.0	7.5	7.5	27.8	27.8	7.5	7.5	23	23	93	93	819554	805043	<0.2	<0.2	0.8	0.8	
						7.7	0.6	136	18.7	7.9	7.9	28.4	28.4	95.0	95.0	7.5	7.5	27.8	27.8	7.5	7.5	22	22	93	93	819554	805043	<0.2	<0.2	1.0	1.0	
IM5	Cloudy	Moderate	14:09	7.4	Surface	1.0	0.4	96	18.9	8.0	8.0	28.4	28.4	93.0	93.0	7.3	7.3	14.7	14.7	20	20	88	88	91	91	820567	804926	<0.2	<0.2	1.4	1.4	
						1.0	0.4	99	18.9</																							

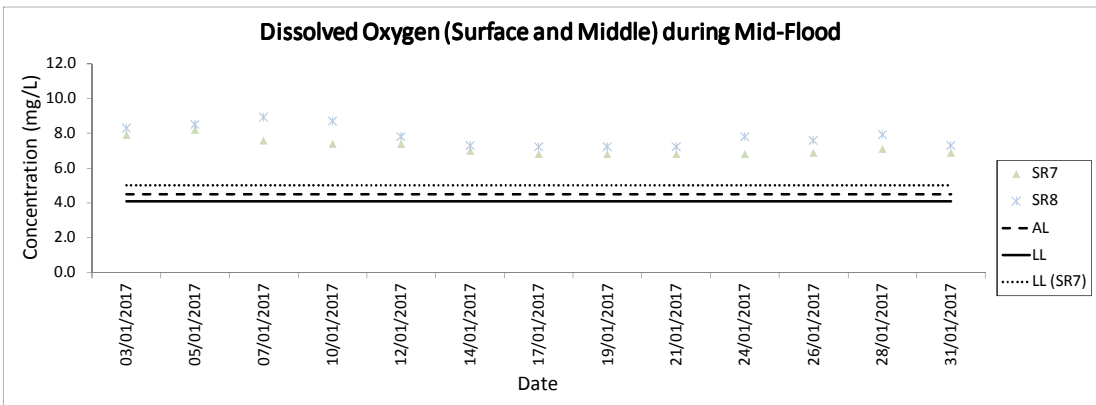
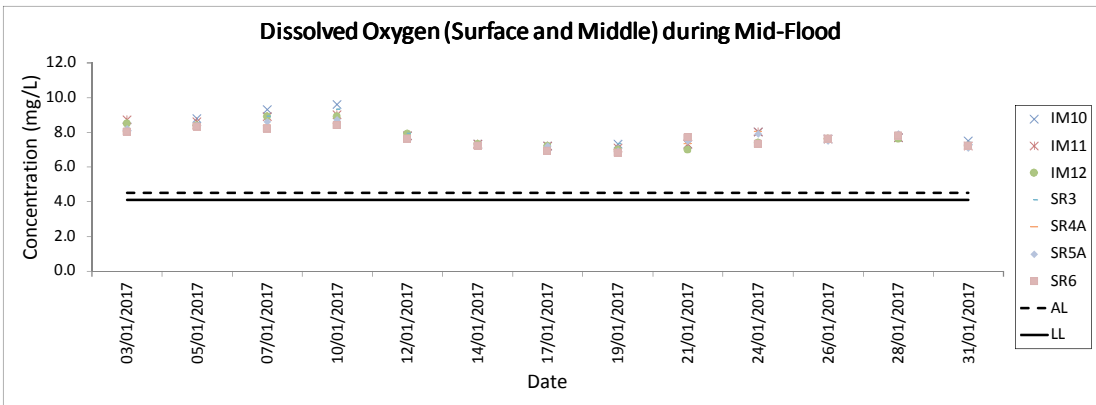
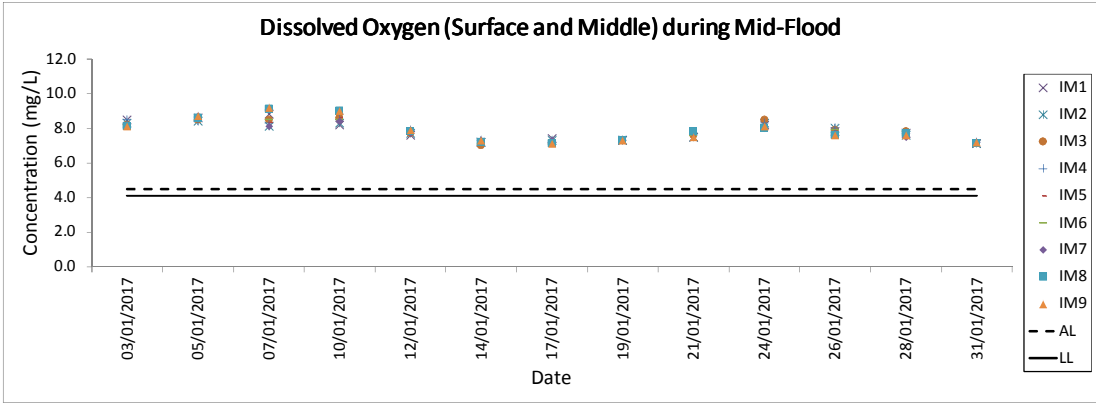
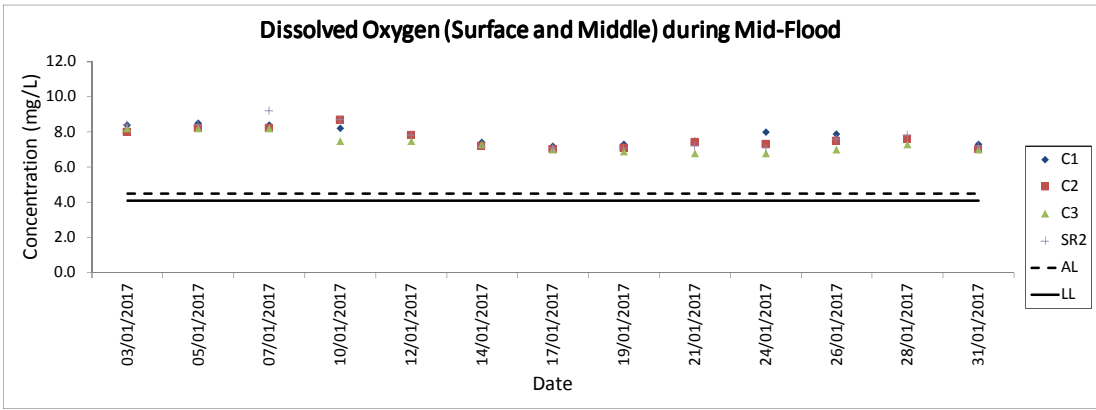
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Water Quality Monitoring

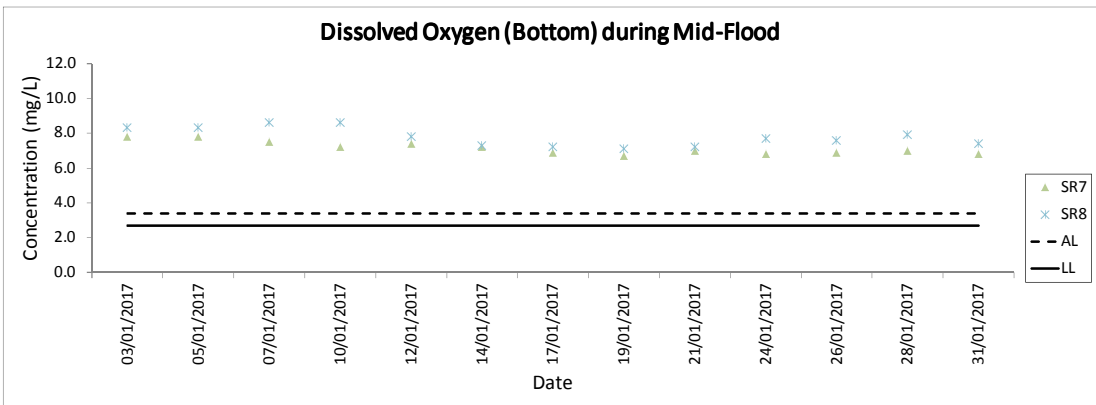
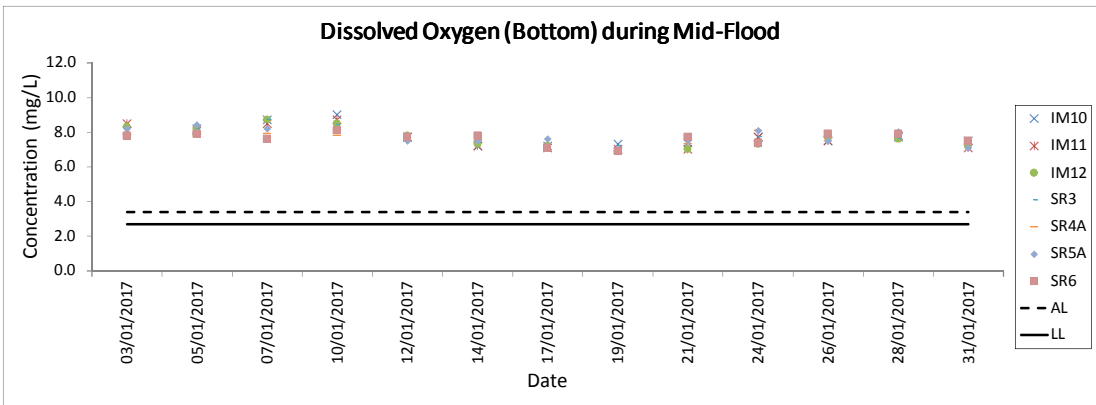
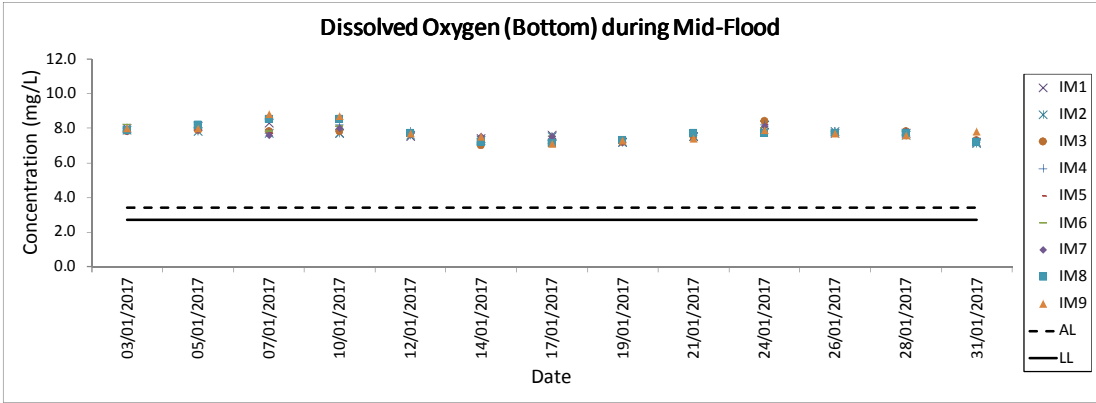
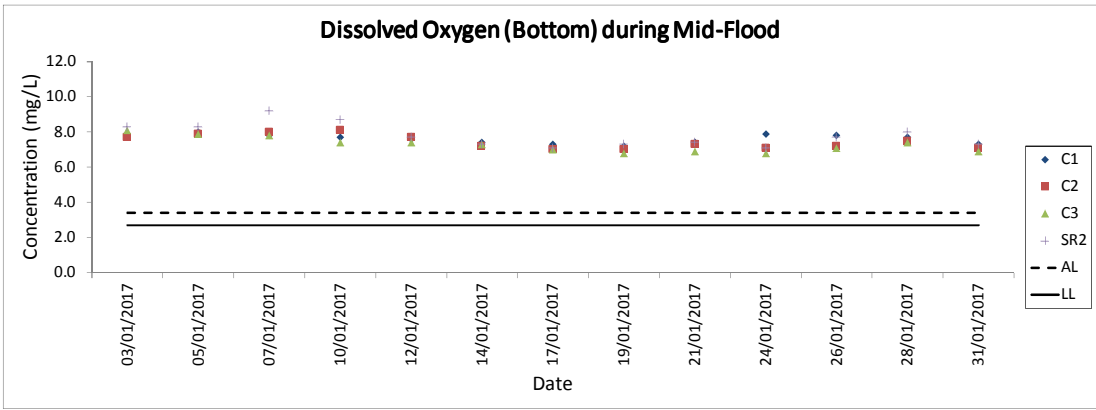
Water Quality Monitoring Results on 31 January 17 during Mid-Ebb tide

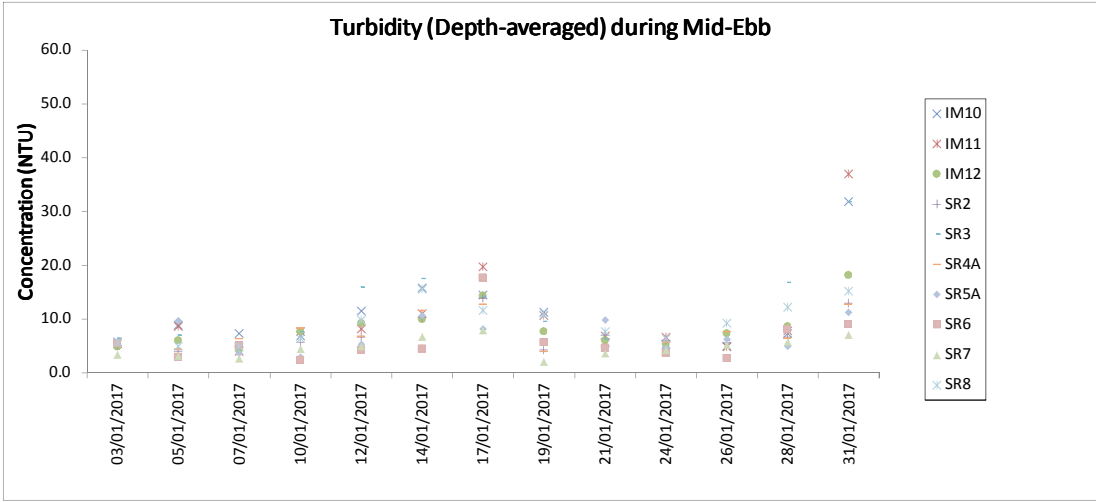
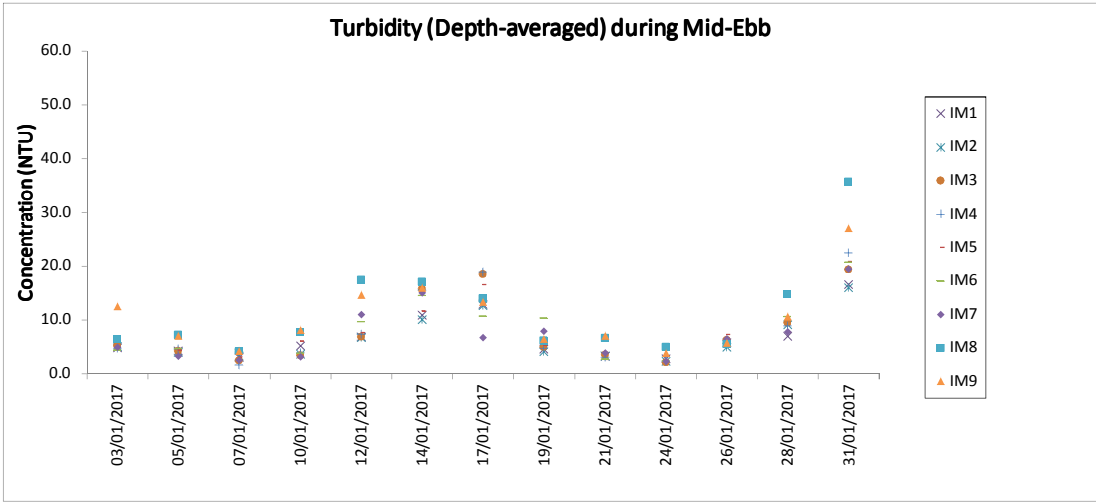
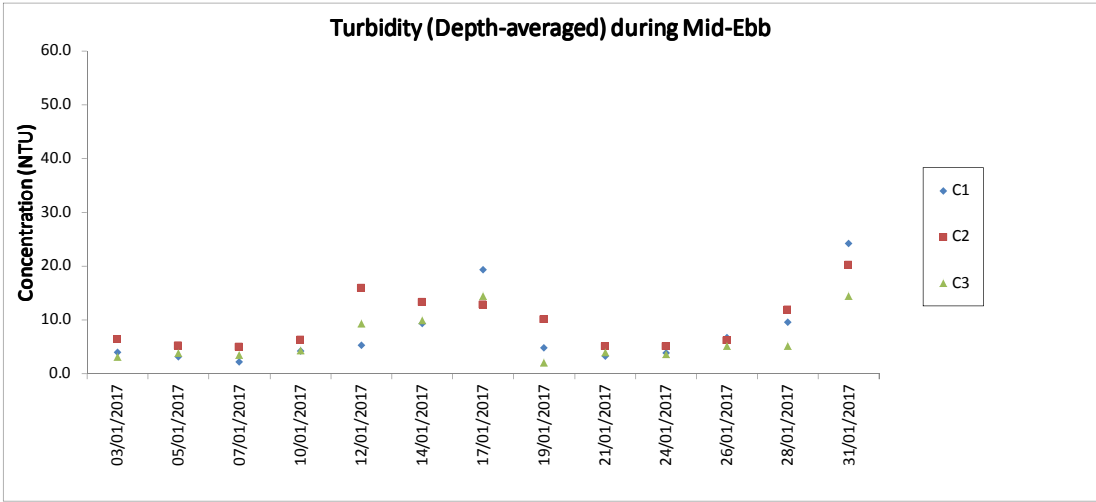
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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			
IM9	Cloudy	Moderate	14:42	7.7	Surface	1.0	0.5	84	19.2	19.2	8.0	8.0	28.8	28.8	94.6	94.6	7.4	7.4	16.7	16.7	17	17	77	77	84	84	822076	808813	<0.2	<0.2	0.5	0.5			
						1.0	0.6	90	19.2	8.0	8.0	28.8	28.8	94.6	94.6	7.4	7.4	16.7	16.7	16	16	77	77	84	84	822076	808813	<0.2	<0.2	0.6	0.6				
					Middle	3.9	0.5	82	19.0	19.0	8.0	8.0	29.2	29.2	94.1	94.1	7.3	7.3	22.8	22.8	27.1	27.1	18	18	86	86	84	84	822076	808813	<0.2	<0.2	0.7	0.7	
						3.9	0.5	88	19.0	19.0	8.0	8.0	29.2	29.2	94.1	94.1	7.3	7.3	22.8	22.8	27.1	27.1	18	18	86	86	84	84	822076	808813	<0.2	<0.2	0.6	0.6	
					Bottom	6.7	0.5	81	19.0	19.0	8.0	8.0	29.2	29.2	93.5	93.5	7.3	7.3	41.8	41.8	7.3	7.3	38	38	89	89	84	84	822076	808813	<0.2	<0.2	1.0	1.0	
						6.7	0.5	86	19.0	19.0	8.0	8.0	29.2	29.2	93.5	93.5	7.3	7.3	41.8	41.8	7.3	7.3	38	38	87	87	84	84	822076	808813	<0.2	<0.2	0.9	0.9	
IM10	Cloudy	Moderate	14:53	7.6	Surface	1.0	0.5	97	19.3	19.3	8.0	8.0	28.6	28.6	93.8	93.8	7.3	7.3	13.8	13.8	12	12	84	84	86	86	822245	809854	<0.2	<0.2	1.1	1.1			
						1.0	0.6	106	19.3	19.3	8.0	8.0	28.6	28.6	93.7	93.7	7.3	7.3	14.1	14.1	13	13	85	85	86	86	86	86	822245	809854	<0.2	<0.2	1.0	1.0	
					Middle	3.8	0.6	97	19.2	19.2	8.0	8.0	28.7	28.7	93.3	93.3	7.3	7.3	21.5	21.5	31.9	31.9	15	15	86	86	86	86	822245	809854	<0.2	<0.2	0.9	0.9	
						3.8	0.6	100	19.2	19.2	8.0	8.0	28.7	28.7	93.3	93.3	7.3	7.3	21.5	21.5	31.9	31.9	14	14	87	87	86	86	822245	809854	<0.2	<0.2	1.1	1.1	
					Bottom	6.6	0.5	106	19.1	19.1	8.0	8.0	28.8	28.8	92.7	92.7	7.2	7.2	60.2	60.2	7.2	7.2	39	39	87	87	84	84	822245	809854	<0.2	<0.2	1.6	1.6	
						6.6	0.5	108	19.1	19.1	8.0	8.0	28.8	28.8	92.7	92.7	7.2	7.2	60.2	60.2	7.2	7.2	38	38	84	84	84	84	822245	809854	<0.2	<0.2	1.5	1.5	
IM11	Cloudy	Moderate	15:09	7.7	Surface	1.0	0.5	106	19.2	19.2	8.0	8.0	28.6	28.6	92.5	92.5	7.2	7.2	14.6	14.6	13	13	74	74	78	78	821496	810551	<0.2	<0.2	1.1	1.1			
						1.0	0.5	111	19.2	19.2	8.0	8.0	28.6	28.6	92.5	92.5	7.2	7.2	14.6	14.6	12.9	12.9	13	13	75	75	78	78	821496	810551	<0.2	<0.2	1.0	1.0	
					Middle	3.9	0.5	98	19.1	19.1	8.0	8.0	28.7	28.7	92.4	92.4	7.2	7.2	39.4	39.4	37.0	37.0	41	41	75	75	78	78	821496	810551	<0.2	<0.2	1.0	1.0	
						3.9	0.6	99	19.1	19.1	8.0	8.0	28.7	28.7	92.4	92.4	7.2	7.2	39.2	39.2	37.0	37.0	42	42	75	75	78	78	821496	810551	<0.2	<0.2	0.9	0.9	
					Bottom	6.7	0.5	90	19.1	19.1	8.0	8.0	28.8	28.8	92.2	92.2	7.2	7.2	57.0	57.0	7.2	7.2	47	47	85	85	83	83	821496	810551	<0.2	<0.2	0.9	0.9	
						6.7	0.5	92	19.1	19.1	8.0	8.0	28.8	28.8	92.2	92.2	7.2	7.2	57.0	57.0	7.2	7.2	49	49	83	83	83	83	821496	810551	<0.2	<0.2	1.0	1.0	
IM12	Cloudy	Moderate	15:28	9.6	Surface	1.0	0.6	97	19.3	19.3	8.0	8.0	28.6	28.6	92.2	92.2	7.2	7.2	13.0	13.0	14	14	78	78	83	83	821149	811526	<0.2	<0.2	1.0	1.0			
						1.0	0.7	101	19.3	19.3	8.0	8.0	28.6	28.6	92.2	92.2	7.2	7.2	13.0	13.0	18.1	18.1	16	16	79	79	83	83	821149	811526	<0.2	<0.2	1.2	1.2	
					Middle	4.8	0.6	99	19.3	19.3	8.0	8.0	28.7	28.7	91.7	91.7	7.1	7.1	18.3	18.3	18.1	18.1	16	16	82	82	83	83	821149	811526	<0.2	<0.2	1.3	1.3	
						4.8	0.7	102	19.3	19.3	8.0	8.0	28.7	28.7	91.7	91.7	7.1	7.1	18.3	18.3	18.1	18.1	15	15	82	82	83	83	821149	811526	<0.2	<0.2	1.2	1.2	
					Bottom	8.6	0.5	102	19.2	19.2	8.0	8.0	28.7	28.7	91.5	91.5	7.1	7.1	23.1	23.1	7.1	7.1	28	28	89	89	83	83	821149	811526	<0.2	<0.2	2.3	2.3	
						8.6	0.5	103	19.2	19.2	8.0	8.0	28.7	28.7	91.5	91.5	7.1	7.1	23.1	23.1	7.1	7.1	25	25	89	89	83	83	821149	811526	<0.2	<0.2	2.2	2.2	
SR2	Cloudy	Moderate	15:50	4.5	Surface	1.0	0.5	62	19.4	19.4	7.9	7.9	28.7	28.7	92.1	92.1	7.2	7.2	12.3	12.3	14	14	76	76	82	82	821462	814160	<0.2	<0.2	1.2	1.2			
						1.0	0.5	62	19.4	19.4	7.9	7.9	28.7	28.7	92.1	92.1	7.2	7.2	12.3	12.3	12.9	12.9	13	13	77	77	82	82	821462	814160	<0.2	<0.2	1.0	1.0	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.5	0.3	63	19.4	19.4	7.9	7.9	28.7	28.7	93.6	93.6	7.3	7.3	13.4	13.4	7.3	7.3	13	13	87	87	83	83	821462	814160	<0.2	<0.2	1.0	1.0	
						3.5	0.4	65	19.4	19.4	7.9	7.9	28.7	28.7	93.6	93.6	7.3	7.3	13.4	13.4	7.3	7.3	12	12	87	87	83	83	821462	814160	<0.2	<0.2	1.0	1.0	
SR3	Cloudy	Moderate	14:12	9.2	Surface	1.0	0.4	100	19.2	19.2	8.0	8.0	28.9	28.9	96.9	96.8	7.6	7.6	20.7	20.7	24	24	-	-	-	-	822159	807559	-	-	-	-			
						1.0	0.4	104	19.2	19.2	8.0	8.0	28.9	28.9	96.7	96.7	7.5	7.5	21.5	21.5	31.7	31.7	23	23	-	-	-	-	822159	807559	-	-	-	-	
					Middle	4.6	0.4	103	19.1	19.1	8.0	8.0	29.1	29.1	96.5	96.5	7.5	7.5	26.1	26.1	31.7	31.7	28	28	-	-	-	-	822159	807559	-	-	-	-	
						4.6	0.5	104	19.1	19.1	8.0	8.0	29.1	29.1	96.5	96.5	7.5	7.5	26.1	26.1	31.7	31.7	28	28	-	-	-	-	822159	807559	-	-	-	-	
					Bottom	8.2	0.4	83	19.1	19.1	8.0	8.0	29.1	29.1	96.4	96.4	7.5	7.5	47.9	47.9	7.5	7.5	52	52	-	-	-	-	822159	807559	-	-	-	-	
						8.2	0.4	85	19.1	19.1	8.0	8.0	29.1	29.1	96.4	96.4	7.5	7.5	47.9	47.9	7.5	7.5	54	54	-	-	-	-	822159	807559	-	-	-	-	
SR4A	Cloudy	Calm	15:17	8.4	Surface	1.0	0.5	100	18.9	18.9	8.0	8.0	28.2	28.2	92.8	92.8	7.3	7.3	10.2	10.2	15	15	-	-	-	-	817177	807821	-	-	-	-			
						1.0	0.5	104	18.9	18.9	8.0	8.0	28.2	28.2	92.8	92.8	7.3	7.3	10.3	10.3	12.7	12.7	16	16	-	-	-	-	817177	807821	-	-	-	-	
					Middle	4.2	0.5	93	18.9	18.9	7.9	7.9	28.1	28.1	93.3	93.3	7.3	7.3	13.7	13.7	12.7	12.7	14	14	-	-	-	-	817177	807821	-	-	-	-	
						4.2	0.5	97	18.9	18.9	7.9	7.9	28.1	28.1	93.3	93.3	7.3	7.3	13.8	13.8	12.7	12.7	16	16	-	-	-	-	817177	807821	-	-	-	-	
					Bottom	7.4	0.4	108	18.9	18.9	7.9	7.9	27.8	27.8	94.6	94.6	7.5	7.5	14.2	14.2	7.5	7.5	19	19	-	-	-	-	817177	807821	-	-	-	-	
						7.4	0.4	112	18.9	18.9	7.9	7.9	27.8	27.8	94.6	94.6	7.5</																		



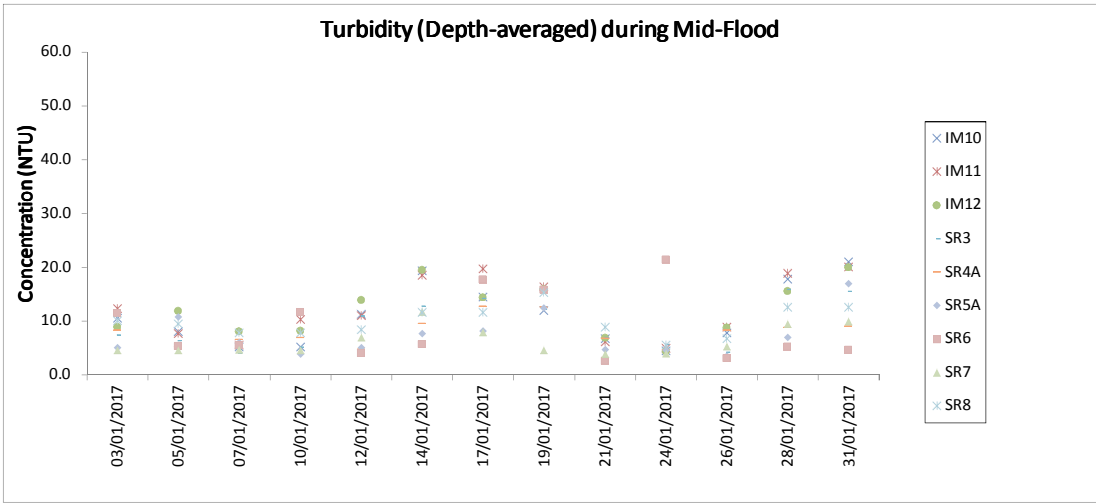
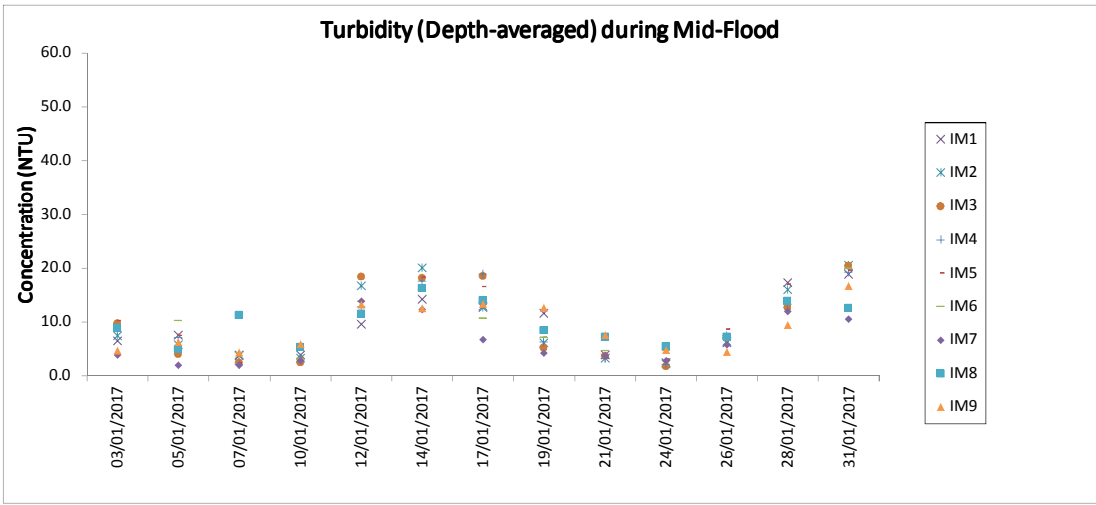
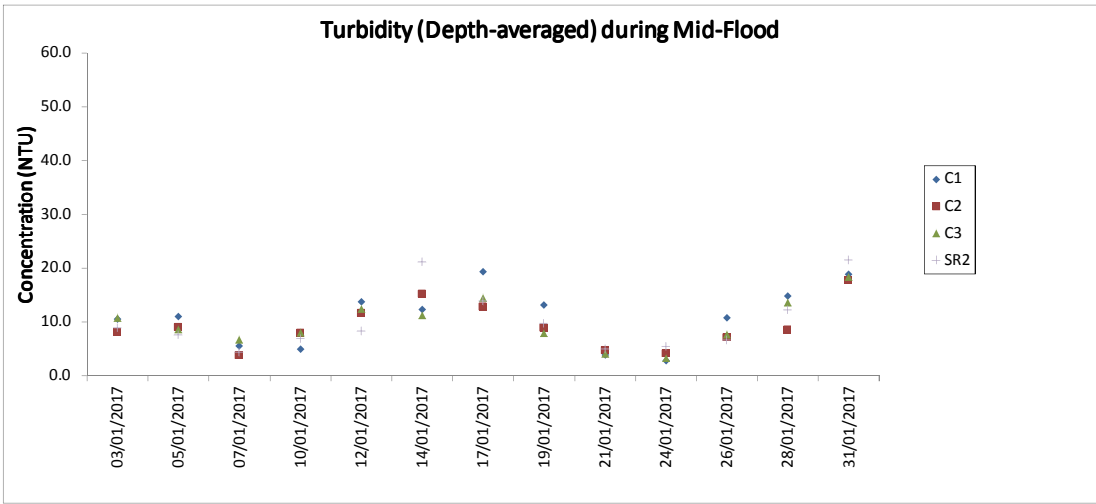




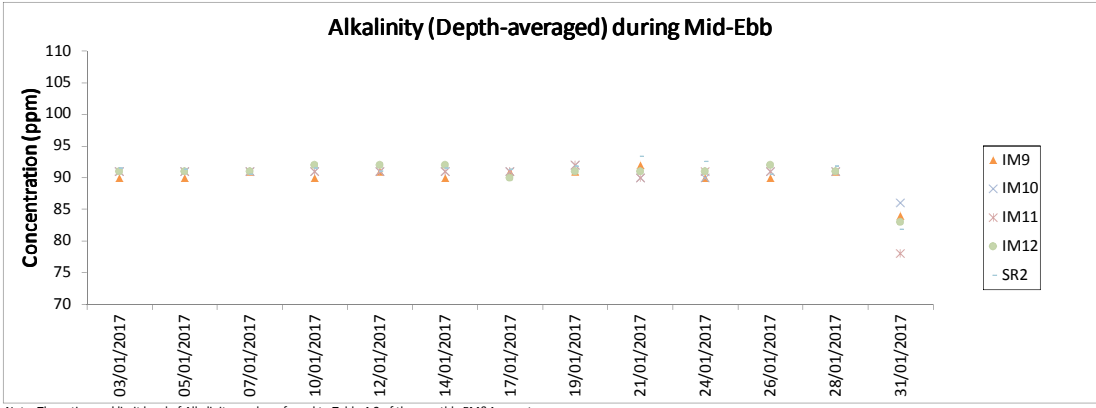
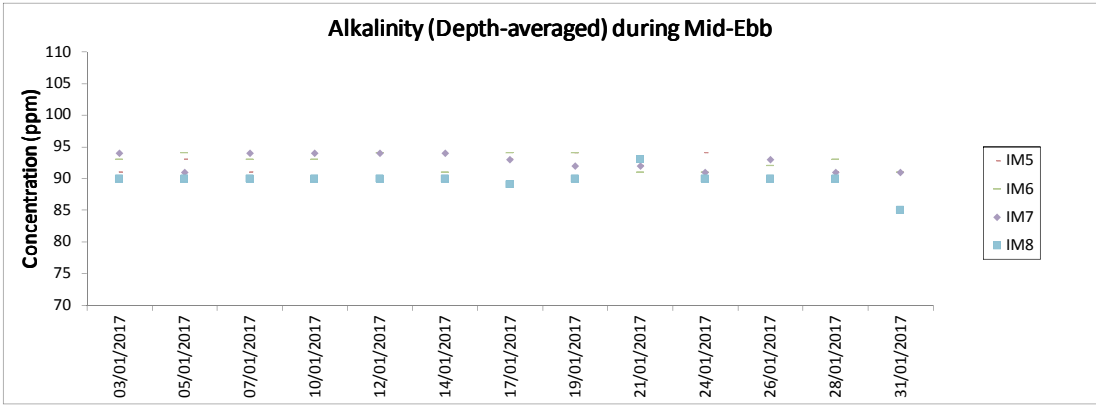
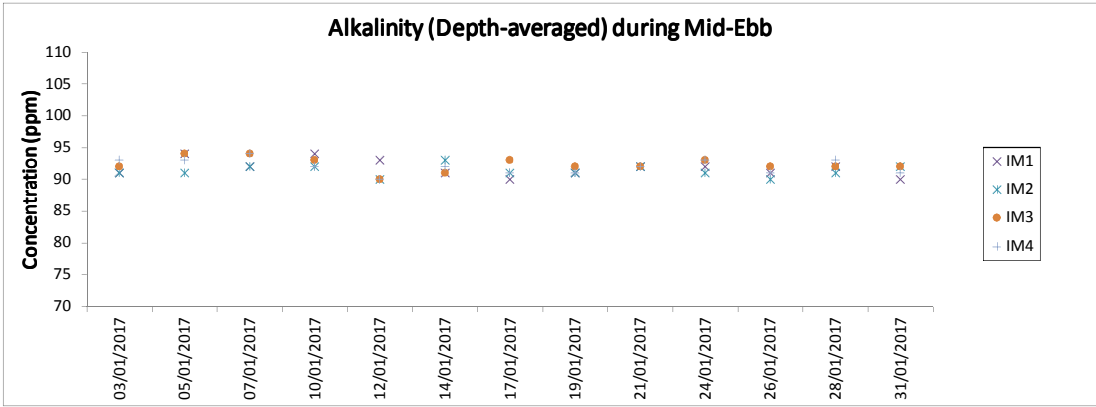
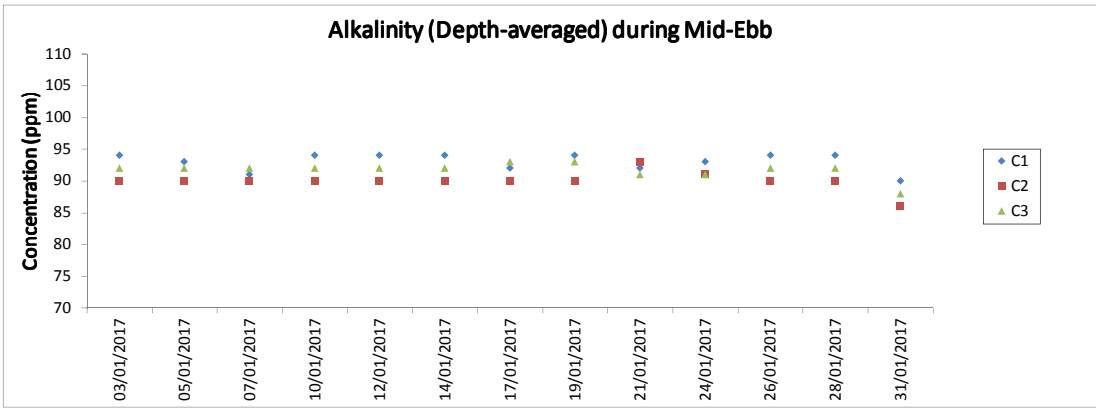




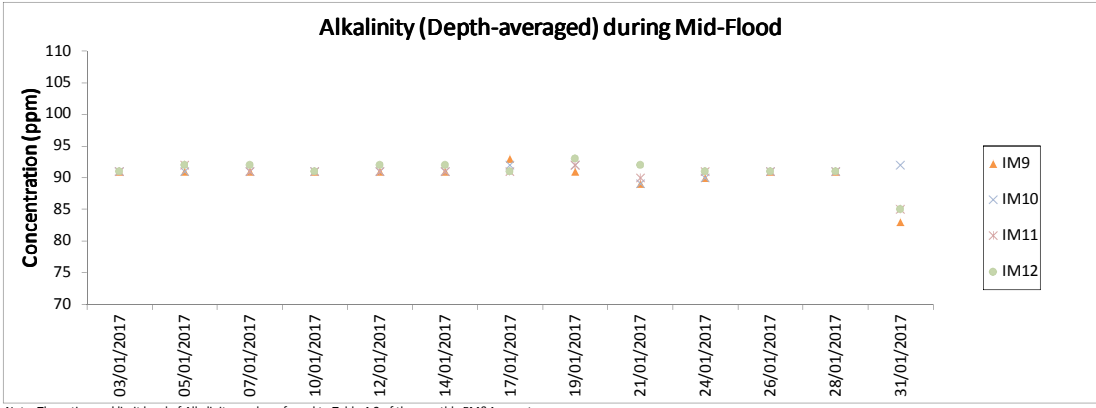
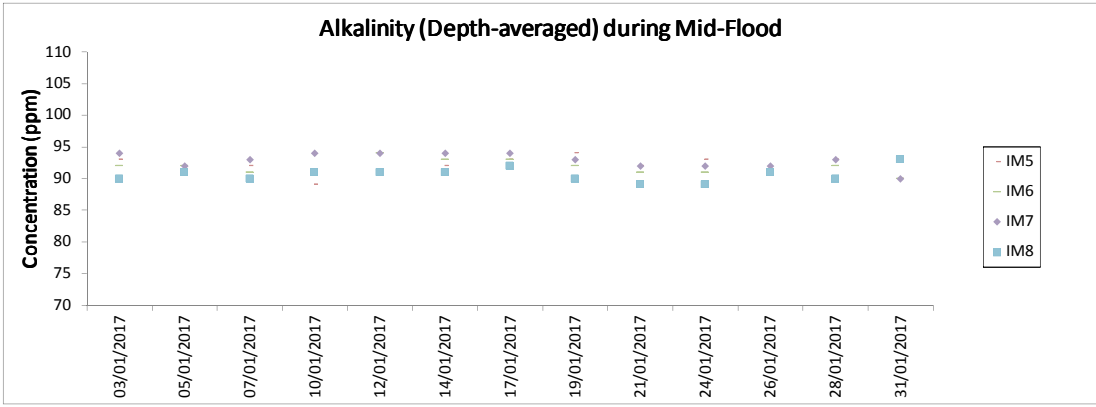
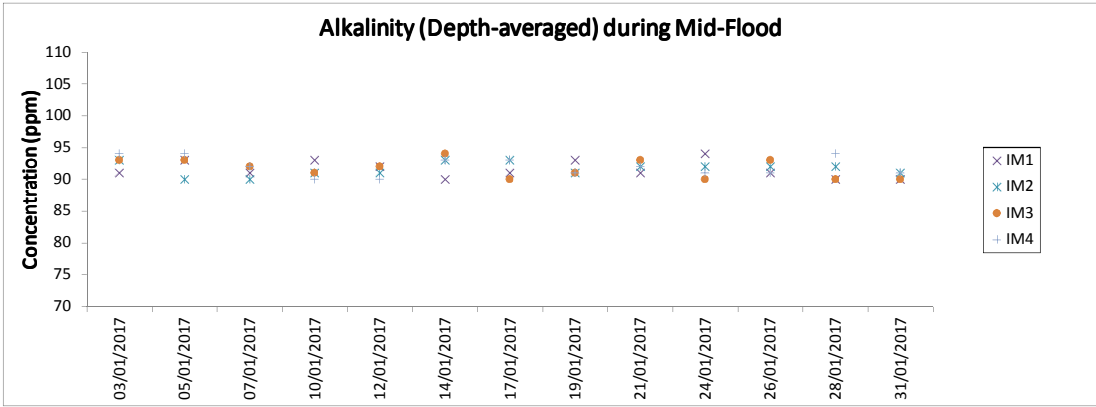
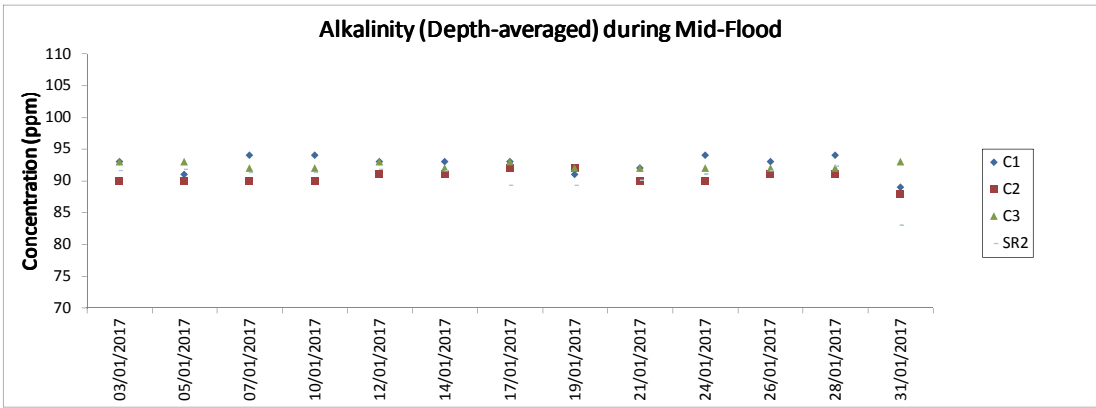
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



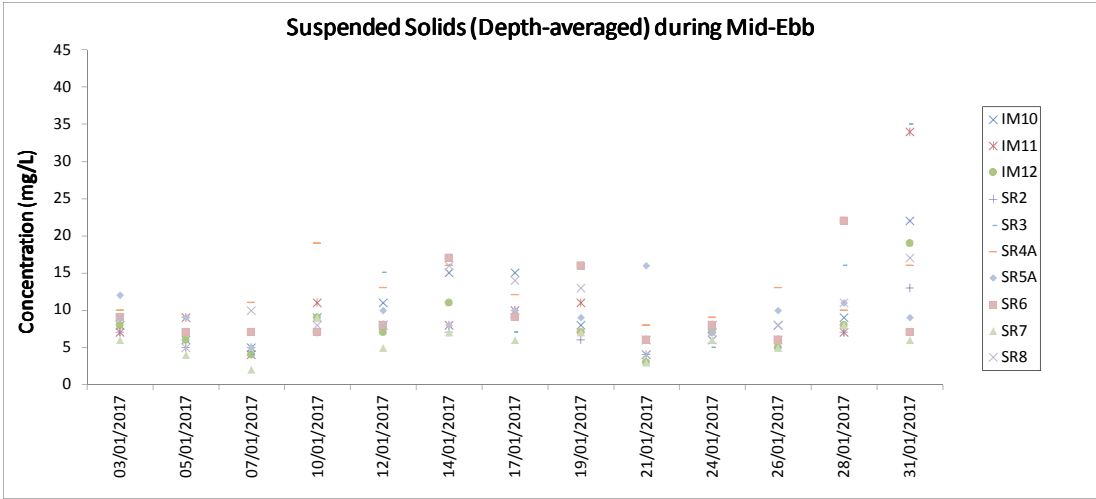
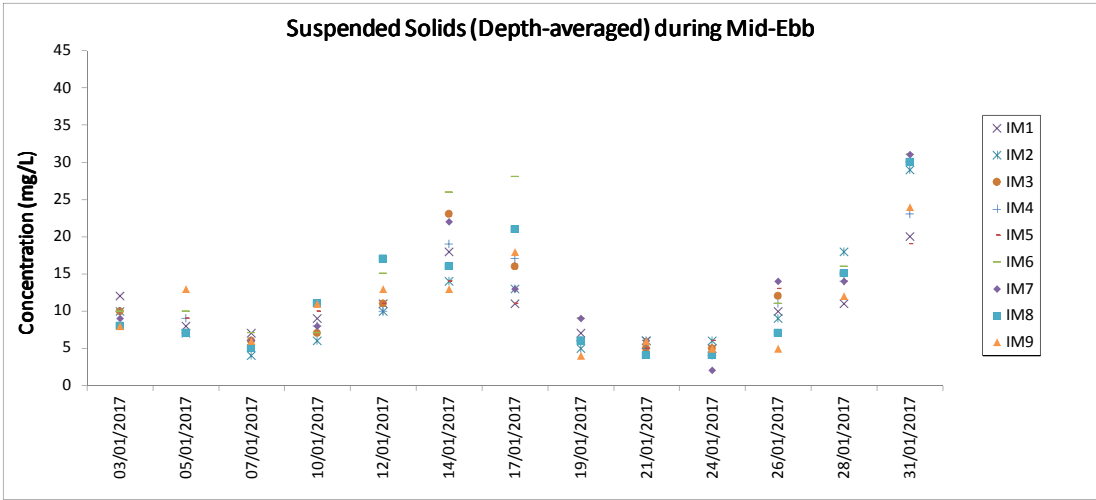
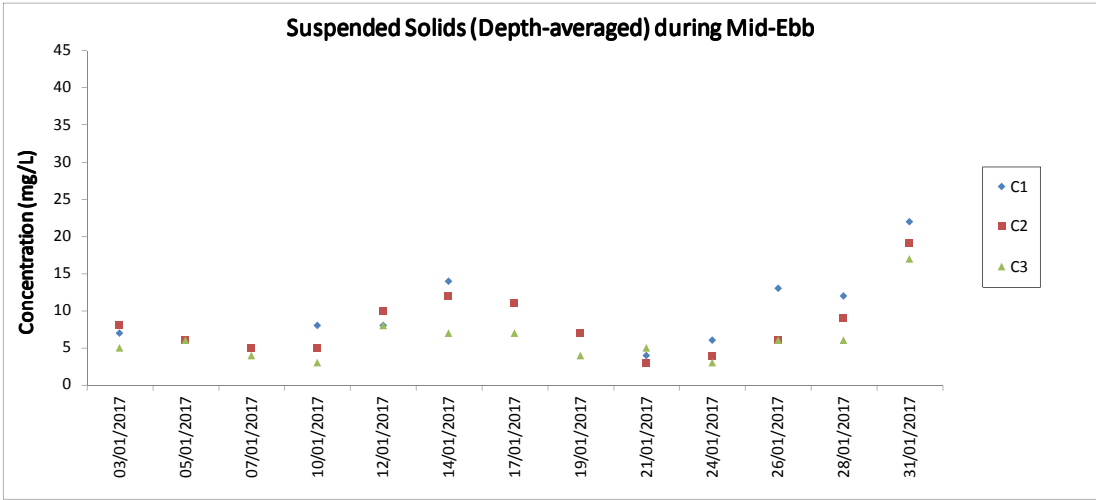
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



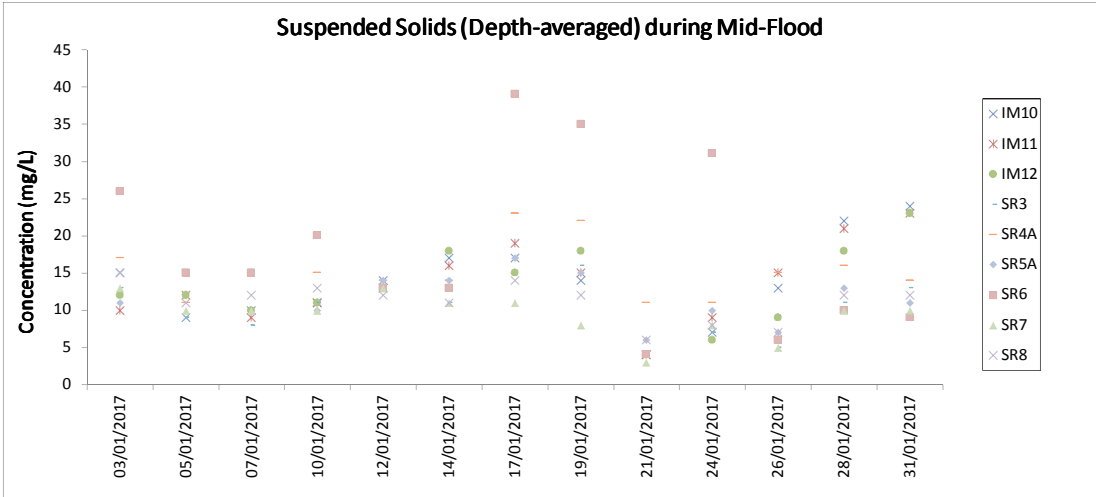
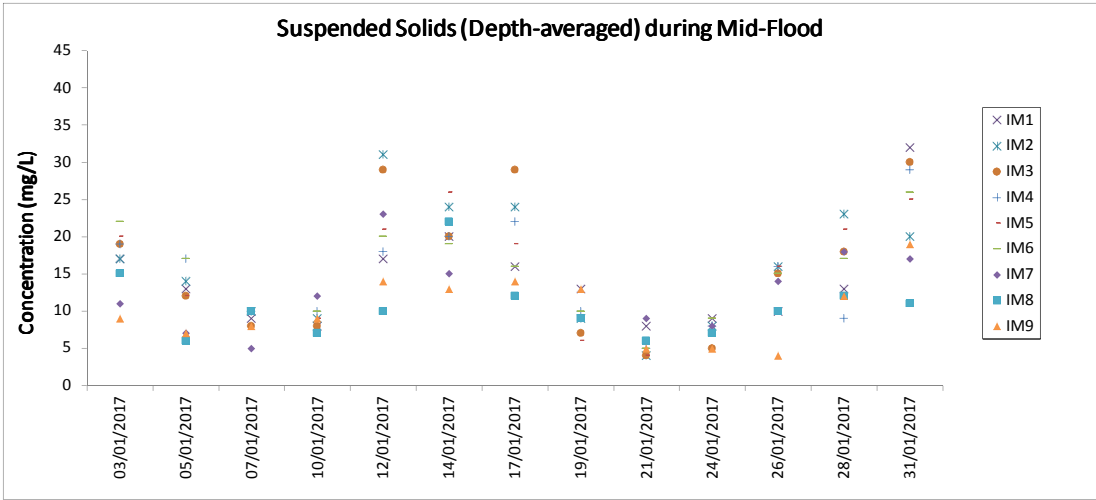
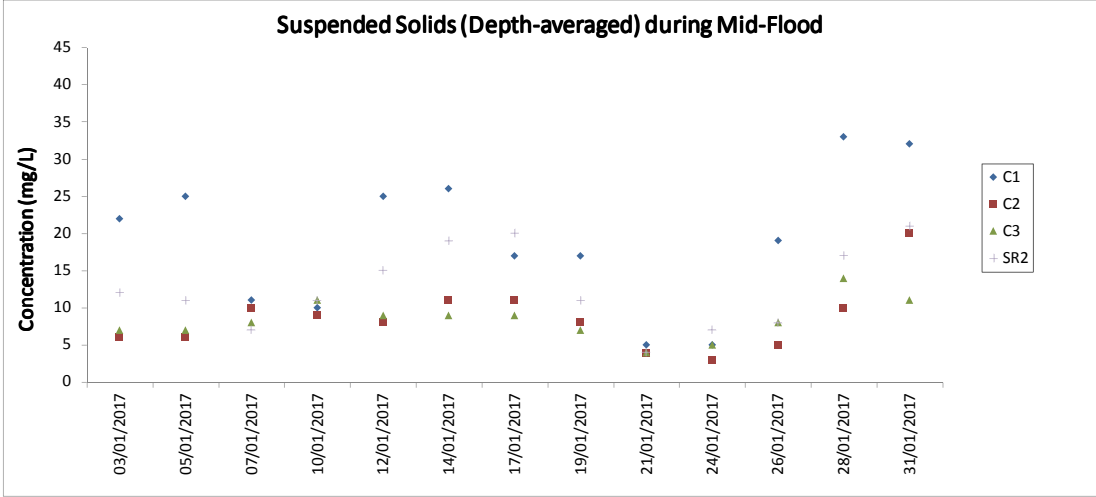
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



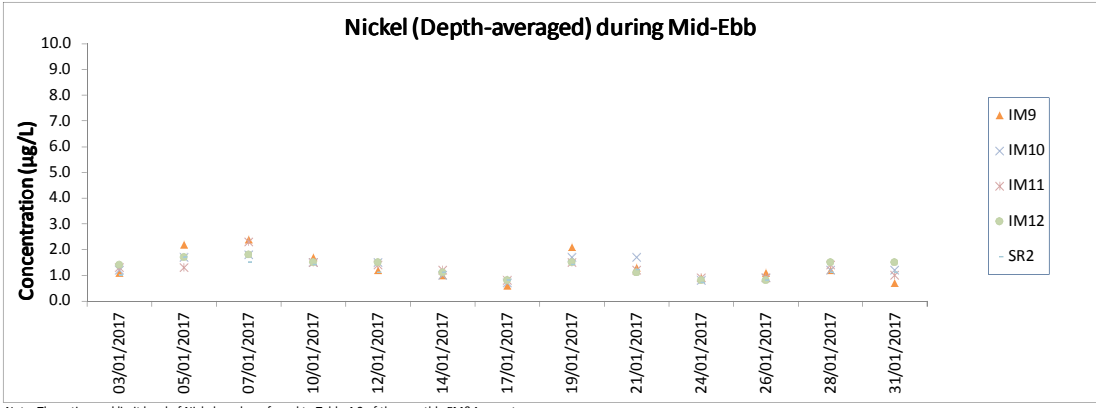
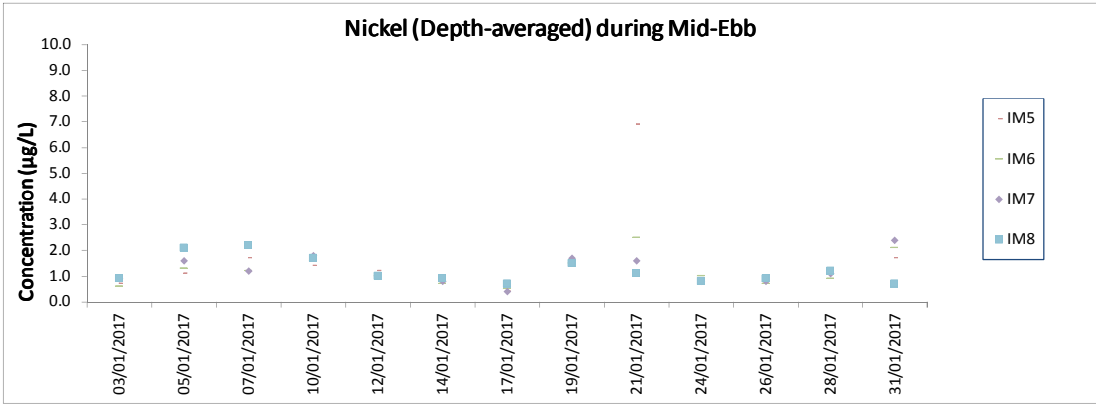
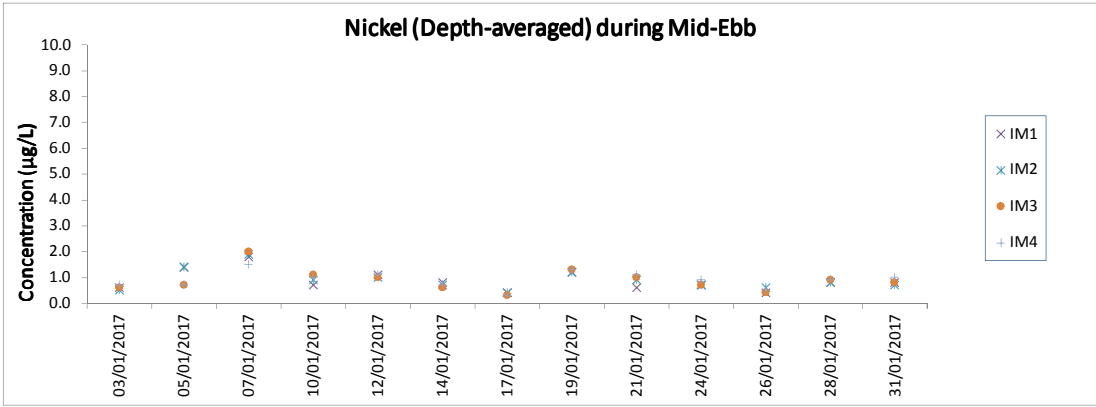
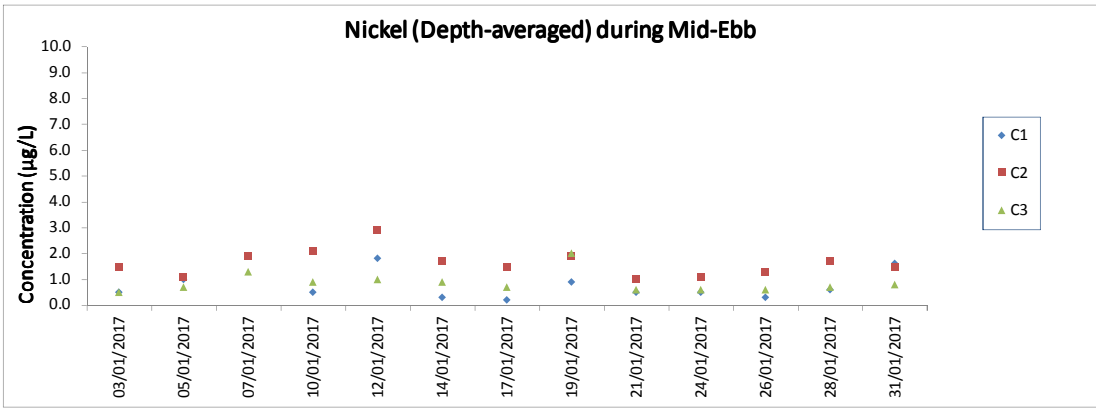
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



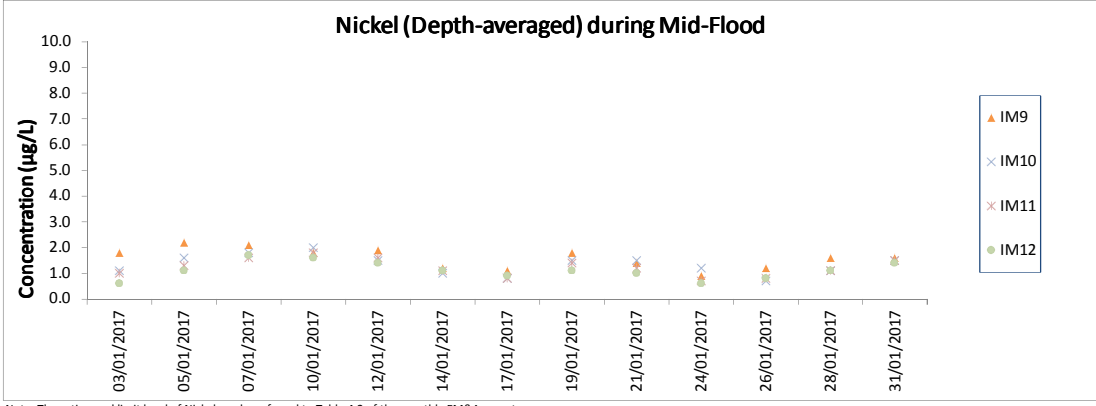
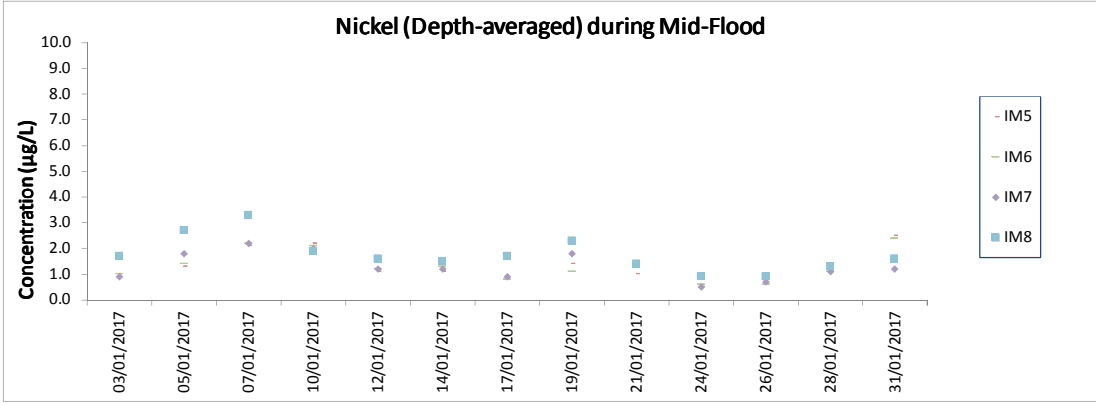
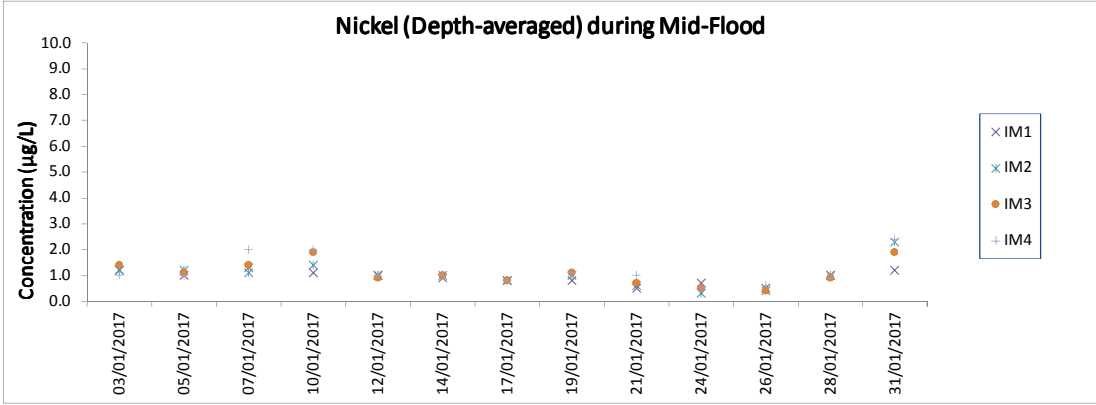
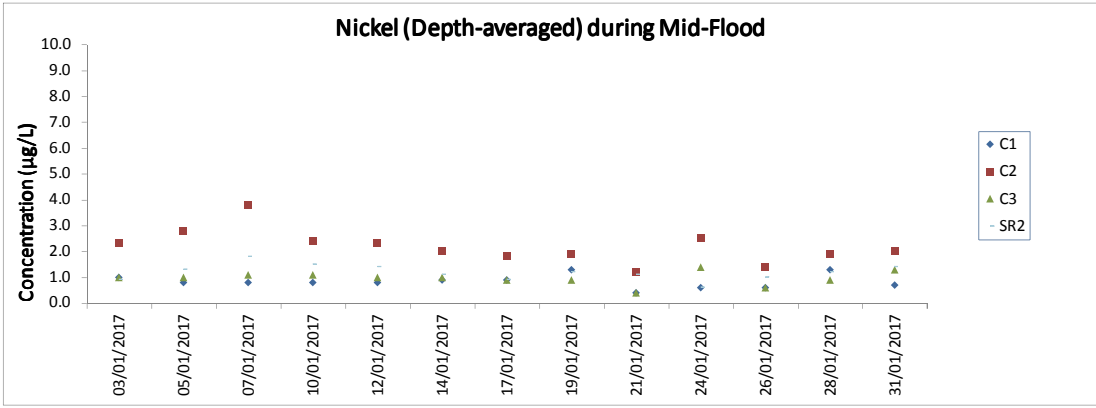
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



Note: The action and limit level of 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.
 The monitoring results of Chromium at all monitoring stations were below the reporting limit <0.2 µg/L,
 the impact monitoring results of Chromium at all monitoring stations can be referred to Appendix E. 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-Nov-16	NWL	2	22.59	AUTUMN	32166	3RS ET
04-Nov-16	NWL	3	60.71	AUTUMN	32166	3RS ET
11-Nov-16	NEL	1	15.31	AUTUMN	32166	3RS ET
11-Nov-16	NEL	2	31.79	AUTUMN	32166	3RS ET
14-Nov-16	SWL	2	62.10	AUTUMN	32166	3RS ET
14-Nov-16	SWL	3	0.90	AUTUMN	32166	3RS ET
16-Nov-16	NEL	2	1.90	AUTUMN	32166	3RS ET
16-Nov-16	NEL	3	41.92	AUTUMN	32166	3RS ET
16-Nov-16	NEL	4	3.28	AUTUMN	32166	3RS ET
17-Nov-16	SWL	2	1.15	AUTUMN	32166	3RS ET
17-Nov-16	SWL	3	5.59	AUTUMN	32166	3RS ET
17-Nov-16	WL	2	13.18	AUTUMN	32166	3RS ET
17-Nov-16	WL	3	17.84	AUTUMN	32166	3RS ET
17-Nov-16	AW	2	4.91	AUTUMN	32166	3RS ET
18-Nov-16	AW	2	1.43	AUTUMN	32166	3RS ET
18-Nov-16	AW	3	3.25	AUTUMN	32166	3RS ET
18-Nov-16	WL	2	18.03	AUTUMN	32166	3RS ET
18-Nov-16	WL	3	11.86	AUTUMN	32166	3RS ET
18-Nov-16	WL	4	2.45	AUTUMN	32166	3RS ET
18-Nov-16	SWL	3	6.84	AUTUMN	32166	3RS ET
21-Nov-16	NWL	2	3.82	AUTUMN	32166	3RS ET
21-Nov-16	NWL	3	26.42	AUTUMN	32166	3RS ET
21-Nov-16	NWL	4	43.55	AUTUMN	32166	3RS ET
21-Nov-16	NWL	5	7.91	AUTUMN	32166	3RS ET
28-Nov-16	SWL	2	7.14	AUTUMN	32166	3RS ET
28-Nov-16	SWL	3	35.02	AUTUMN	32166	3RS ET
28-Nov-16	SWL	4	16.84	AUTUMN	32166	3RS ET
28-Nov-16	SWL	5	1.39	AUTUMN	32166	3RS ET
02-Dec-16	NWL	2	24.31	WINTER	32166	3RS ET
02-Dec-16	NWL	3	54.34	WINTER	32166	3RS ET
02-Dec-16	NWL	4	3.20	WINTER	32166	3RS ET
05-Dec-16	AW	2	4.86	WINTER	32166	3RS ET
05-Dec-16	WL	2	9.23	WINTER	32166	3RS ET
05-Dec-16	WL	3	23.91	WINTER	32166	3RS ET
05-Dec-16	SWL	2	5.52	WINTER	32166	3RS ET
05-Dec-16	SWL	3	1.31	WINTER	32166	3RS ET
13-Dec-16	SWL	2	52.96	WINTER	32166	3RS ET
13-Dec-16	SWL	3	7.50	WINTER	32166	3RS ET
14-Dec-16	AW	3	1.96	WINTER	32166	3RS ET
14-Dec-16	AW	4	2.96	WINTER	32166	3RS ET
14-Dec-16	WL	3	13.26	WINTER	32166	3RS ET
14-Dec-16	WL	4	18.34	WINTER	32166	3RS ET
14-Dec-16	WL	5	2.20	WINTER	32166	3RS ET
14-Dec-16	SWL	3	2.29	WINTER	32166	3RS ET
14-Dec-16	SWL	4	4.41	WINTER	32166	3RS ET
19-Dec-16	NWL	2	39.79	WINTER	32166	3RS ET
19-Dec-16	NWL	3	22.34	WINTER	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
19-Dec-16	NWL	4	3.20	WINTER	32166	3RS ET
20-Dec-16	NWL	2	7.59	WINTER	32166	3RS ET
20-Dec-16	NEL	1	3.67	WINTER	32166	3RS ET
20-Dec-16	NEL	2	17.41	WINTER	32166	3RS ET
20-Dec-16	NEL	3	22.32	WINTER	32166	3RS ET
20-Dec-16	NEL	4	3.00	WINTER	32166	3RS ET
22-Dec-16	SWL	2	0.90	WINTER	32166	3RS ET
22-Dec-16	SWL	3	25.80	WINTER	32166	3RS ET
22-Dec-16	SWL	4	23.20	WINTER	32166	3RS ET
22-Dec-16	SWL	5	13.20	WINTER	32166	3RS ET
23-Dec-16	NEL	1	7.40	WINTER	32166	3RS ET
23-Dec-16	NEL	2	27.00	WINTER	32166	3RS ET
23-Dec-16	NEL	3	12.80	WINTER	32166	3RS ET
05-Jan-17	AW	2	4.86	WINTER	32166	3RS ET
05-Jan-17	WL	1	12.53	WINTER	32166	3RS ET
05-Jan-17	WL	2	14.38	WINTER	32166	3RS ET
05-Jan-17	SWL	2	6.01	WINTER	32166	3RS ET
06-Jan-17	SWL	1	1.30	WINTER	32166	3RS ET
06-Jan-17	SWL	2	61.20	WINTER	32166	3RS ET
06-Jan-17	SWL	3	1.80	WINTER	32166	3RS ET
09-Jan-17	NWL	1	6.90	WINTER	32166	3RS ET
09-Jan-17	NWL	2	60.46	WINTER	32166	3RS ET
09-Jan-17	NWL	3	15.64	WINTER	32166	3RS ET
10-Jan-17	NEL	2	2.10	WINTER	32166	3RS ET
10-Jan-17	NEL	3	29.22	WINTER	32166	3RS ET
10-Jan-17	NEL	4	16.68	WINTER	32166	3RS ET
12-Jan-17	NWL	2	20.09	WINTER	32166	3RS ET
12-Jan-17	NWL	3	61.01	WINTER	32166	3RS ET
12-Jan-17	NWL	4	0.70	WINTER	32166	3RS ET
13-Jan-17	SWL	2	27.52	WINTER	32166	3RS ET
13-Jan-17	SWL	3	28.90	WINTER	32166	3RS ET
13-Jan-17	SWL	4	5.33	WINTER	32166	3RS ET
19-Jan-17	AW	1	4.59	WINTER	32166	3RS ET
19-Jan-17	WL	2	7.20	WINTER	32166	3RS ET
19-Jan-17	WL	3	14.13	WINTER	32166	3RS ET
19-Jan-17	WL	4	11.03	WINTER	32166	3RS ET
19-Jan-17	SWL	3	5.88	WINTER	32166	3RS ET
19-Jan-17	SWL	4	1.00	WINTER	32166	3RS ET
20-Jan-17	NEL	2	23.30	WINTER	32166	3RS ET
20-Jan-17	NEL	3	22.00	WINTER	32166	3RS ET
20-Jan-17	NEL	4	1.60	WINTER	32166	3RS ET

Notes:

CWD monitoring survey data of the two preceding survey months (i.e. November and December 2016) 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-Nov-16	1	1041	CWD	4	NWL	3	330	ON	3RS ET	22.2788	113.8779	AUTUMN	NONE
04-Nov-16	2	1221	CWD	3	NWL	3	149	ON	3RS ET	22.3807	113.8890	AUTUMN	NONE
14-Nov-16	1	1406	CWD	1	SWL	2	19	ON	3RS ET	22.2076	113.8796	AUTUMN	NONE
17-Nov-16	1	1226	CWD	4	WL	3	1	ON	3RS ET	22.2311	113.8389	AUTUMN	NONE
17-Nov-16	2	1308	CWD	3	WL	2	390	ON	3RS ET	22.2452	113.8508	AUTUMN	NONE
17-Nov-16	3	1415	CWD	2	WL	2	11	ON	3RS ET	22.2900	113.8614	AUTUMN	NONE
18-Nov-16	1	1041	CWD	1	WL	3	243	ON	3RS ET	22.2571	113.8373	AUTUMN	NONE
21-Nov-16	1	1035	CWD	5	NWL	3	9	ON	3RS ET	22.2844	113.8683	AUTUMN	NONE
28-Nov-16	1	1048	FP	1	SWL	3	52	ON	3RS ET	22.1579	113.9360	AUTUMN	NONE
28-Nov-16	2	1112	FP	1	SWL	4	125	ON	3RS ET	22.1689	113.9277	AUTUMN	NONE
28-Nov-16	3	1116	FP	1	SWL	4	183	ON	3RS ET	22.1703	113.9273	AUTUMN	NONE
28-Nov-16	4	1139	CWD	4	SWL	3	86	ON	3RS ET	22.2050	113.9178	AUTUMN	NONE
28-Nov-16	5	1430	CWD	1	SWL	3	125	ON	3RS ET	22.1967	113.8778	AUTUMN	NONE
28-Nov-16	6	1514	CWD	5	SWL	4	148	ON	3RS ET	22.1979	113.8683	AUTUMN	NONE
02-Dec-16	1	1129	CWD	2	NWL	3	172	ON	3RS ET	22.3780	113.8768	WINTER	NONE
02-Dec-16	2	1234	CWD	2	NWL	3	187	ON	3RS ET	22.3664	113.8876	WINTER	NONE
05-Dec-16	1	1028	CWD	2	WL	2	34	ON	3RS ET	22.2683	113.8608	WINTER	NONE
05-Dec-16	2	1045	CWD	1	WL	3	100	ON	3RS ET	22.2606	113.8480	WINTER	NONE
05-Dec-16	3	1110	CWD	5	WL	3	171	ON	3RS ET	22.2506	113.8363	WINTER	NONE
05-Dec-16	4	1154	CWD	1	WL	3	42	ON	3RS ET	22.2412	113.8365	WINTER	NONE
05-Dec-16	5	1250	CWD	11	WL	2	276	ON	3RS ET	22.2056	113.8398	WINTER	NONE
13-Dec-16	4	1239	CWD	2	SWL	2	611	ON	3RS ET	22.1771	113.9056	WINTER	NONE
13-Dec-16	5	1350	CWD	5	SWL	3	87	ON	3RS ET	22.1480	113.8884	WINTER	PAIR TRAWLER
13-Dec-16	6	1413	CWD	1	SWL	3	297	ON	3RS ET	22.1691	113.8878	WINTER	NONE
13-Dec-16	7	1436	CWD	1	SWL	2	72	ON	3RS ET	22.1998	113.8876	WINTER	NONE
13-Dec-16	8	1452	CWD	1	SWL	2	280	ON	3RS ET	22.2039	113.8779	WINTER	PURSE SEINE
13-Dec-16	9	1544	CWD	2	SWL	2	90	ON	3RS ET	22.1956	113.8685	WINTER	NONE
19-Dec-16	2	0943	CWD	6	NWL	3	687	ON	3RS ET	22.4160	113.8686	WINTER	NONE
19-Dec-16	3	1026	CWD	2	NWL	2	358	ON	3RS ET	22.3696	113.8679	WINTER	NONE
19-Dec-16	4	1036	CWD	4	NWL	2	460	ON	3RS ET	22.3689	113.8685	WINTER	NONE
19-Dec-16	5	1224	CWD	1	NWL	2	50	ON	3RS ET	22.3817	113.8760	WINTER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
19-Dec-16	6	1234	CWD	4	NWL	2	497	ON	3RS ET	22.3893	113.8778	WINTER	NONE
19-Dec-16	7	1255	CWD	9	NWL	2	119	ON	3RS ET	22.3903	113.8888	WINTER	PURSE SEINE
05-Jan-17	1	1010	CWD	9	WL	2	822	ON	3RS ET	22.2934	113.8612	WINTER	NONE
05-Jan-17	2	1051	CWD	2	WL	2	1361	ON	3RS ET	22.2738	113.8482	WINTER	NONE
05-Jan-17	3	1118	CWD	2	WL	2	118	ON	3RS ET	22.2584	113.8381	WINTER	NONE
05-Jan-17	4	1150	CWD	1	WL	2	65	ON	3RS ET	22.2413	113.8339	WINTER	NONE
05-Jan-17	5	1208	CWD	1	WL	2	86	ON	3RS ET	22.2321	113.8316	WINTER	NONE
05-Jan-17	6	1223	CWD	1	WL	1	115	ON	3RS ET	22.2248	113.8374	WINTER	NONE
05-Jan-17	7	1315	CWD	11	WL	1	84	ON	3RS ET	22.2049	113.8249	WINTER	PAIR TRAWLER
05-Jan-17	8	1347	CWD	1	WL	1	49	ON	3RS ET	22.1961	113.8317	WINTER	NONE
05-Jan-17	9	1356	CWD	1	WL	1	59	ON	3RS ET	22.1960	113.8416	WINTER	NONE
05-Jan-17	10	1436	CWD	5	SWL	2	190	ON	3RS ET	22.1726	113.8527	WINTER	PAIR TRAWLER
06-Jan-17	1	1006	CWD	2	SWL	2	N/A	OFF	3RS ET	22.1938	113.8471	WINTER	NONE
06-Jan-17	2	1453	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2230	113.9451	WINTER	NONE
12-Jan-17	1	1121	CWD	5	NWL	2	260	ON	3RS ET	22.3739	113.8775	WINTER	NONE
13-Jan-17	1	1016	CWD	3	SWL	3	N/A	OFF	3RS ET	22.1948	113.8538	WINTER	NONE
13-Jan-17	2	1036	CWD	11	SWL	3	435	ON	3RS ET	22.1998	113.8688	WINTER	NONE
13-Jan-17	3	1334	CWD	2	SWL	2	41	ON	3RS ET	22.1547	113.9030	WINTER	NONE
13-Jan-17	4	1434	CWD	1	SWL	3	44	ON	3RS ET	22.1847	113.9278	WINTER	NONE
19-Jan-17	1	0926	CWD	3	AW	1	23	ON	3RS ET	22.3010	113.8864	WINTER	NONE
19-Jan-17	2	1022	CWD	1	WL	3	383	ON	3RS ET	22.2791	113.8613	WINTER	NONE
19-Jan-17	3	1107	CWD	6	WL	2	690	ON	3RS ET	22.2594	113.8430	WINTER	GILLNET
19-Jan-17	4	1131	CWD	1	WL	3	950	ON	3RS ET	22.2504	113.8413	WINTER	NONE
19-Jan-17	5	1217	CWD	2	WL	3	N/A	OFF	3RS ET	22.2234	113.8320	WINTER	NONE
19-Jan-17	6	1403	CWD	4	SWL	3	69	ON	3RS ET	22.1951	113.8587	WINTER	NONE
19-Jan-17	7	1436	CWD	2	WL	3	N/A	OFF	3RS ET	22.2198	113.8341	WINTER	NONE
19-Jan-17	8	1439	CWD	3	WL	3	N/A	OFF	3RS ET	22.2218	113.8351	WINTER	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. November and December 2016) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

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

Calculation of the January 2017 encounter rates STG and ANI in the whole survey area (NEL, NWL, AW, WL, SWL):

A total of 431.02 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 68 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in January 2017 are shown as below:

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

$$STG = \frac{19}{431.02} \times 100 = 4.41$$

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

$$ANI = \frac{68}{431.02} \times 100 = 15.78$$

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

A total of 1213.19 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 48 on-effort sightings and total number of 158 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)









$$STG = \frac{48}{1213.19} \times 100 = 3.96$$

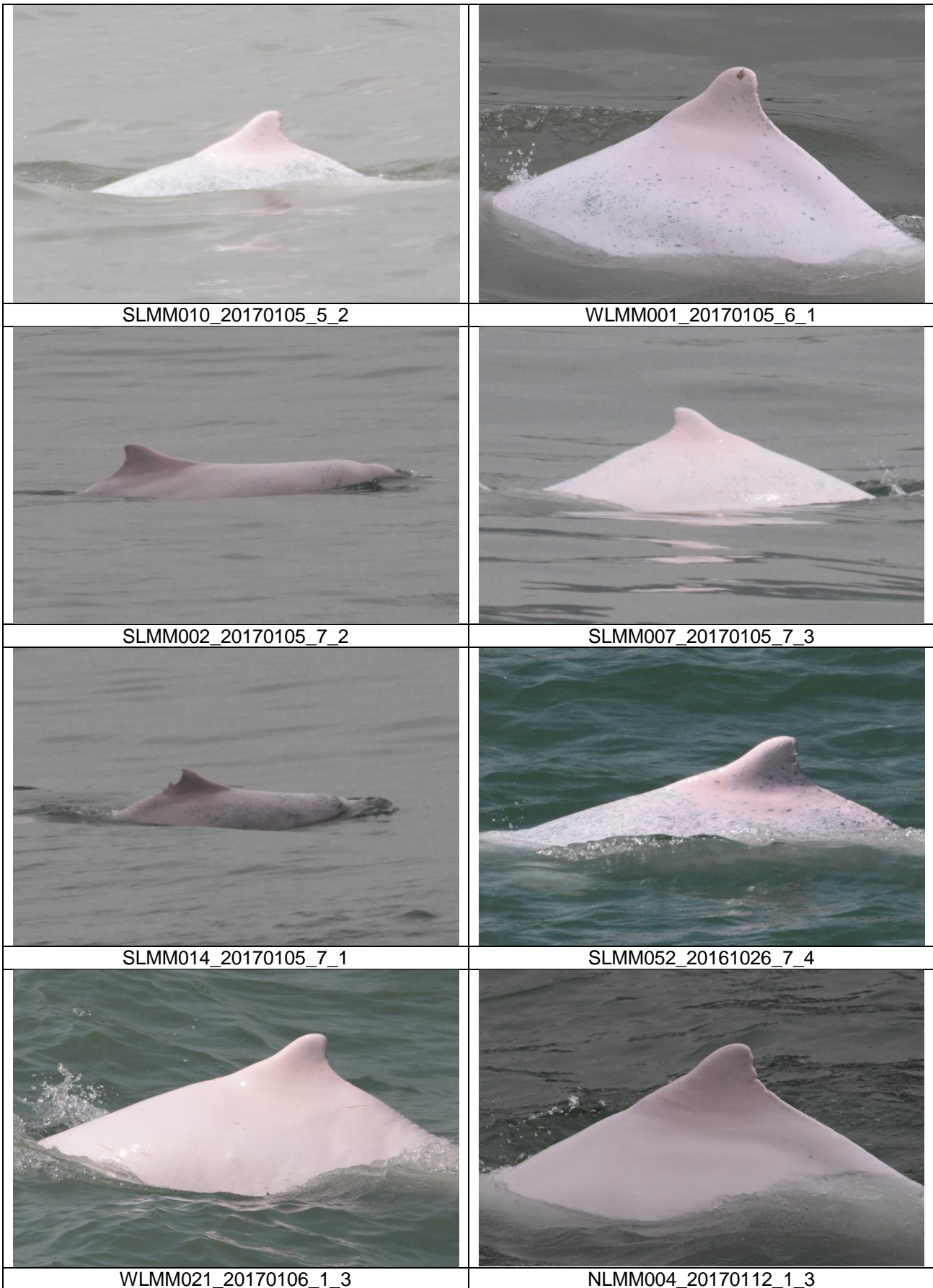
Running Quarterly Encounter Rate by Number of Dolphins (ANI)

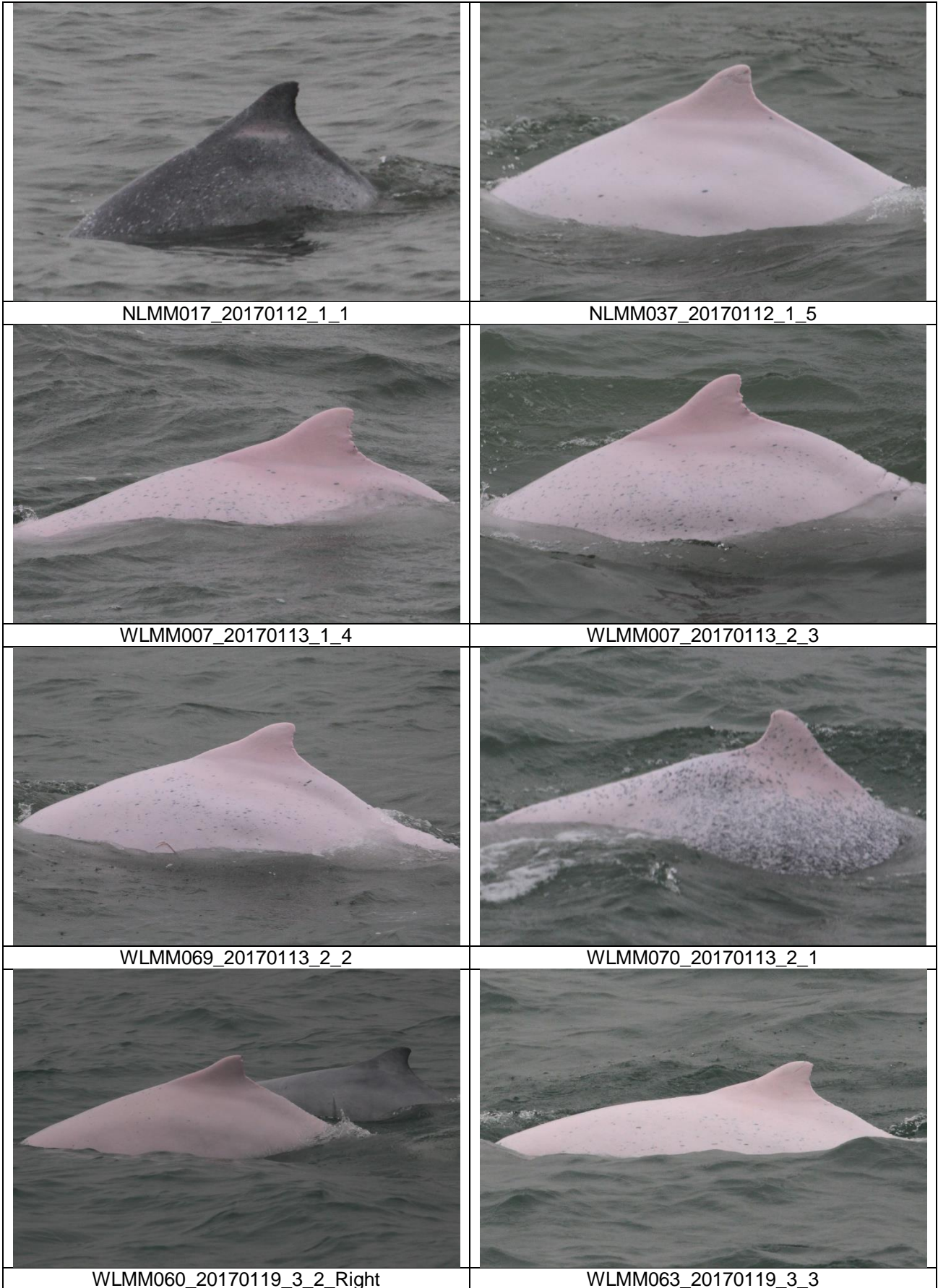
$$ANI = \frac{158}{1213.19} \times 100 = 13.02$$








CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM015_20170105_1_1	NLMM016_20170105_1_11
	
SLMM036_20170105_1_3	WLMM064_20170105_1_2
	
WLMM065_20170105_1_2	WLMM066_20170105_1_1
	
WLMM067_20170105_2_7	WLMM068_20170105_2_3





	
WLMM068_20170119_3_3	WLMM071_20170119_3_2_Left
	
WLMM072_20170119_3_2	SLMM010_20170119_6_6
	
SLMM021_20170119_6_4	SLMM037_20170119_6_1
	
WLMM001_20170119_8_1	

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
9/Jan/17	Sha Chau	8:40	14:40	6:00	2	3	0	0
18/Jan/17	Lung Kwu Chau	8:40	14:40	6:00	2-3	3-4	3	1-5
20/Jan/17	Sha Chau	8:45	14:45	6:00	3	2	0	0
24/Jan/17	Lung Kwu Chau	8:33	14:33	6:00	2-3	3	1	4
25/Jan/17	Lung Kwu Chau	8:36	14:36	6:00	2-3	3	6	1-3

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

