

# Appendix C. Monitoring Results

# **Air Quality Monitoring Results**

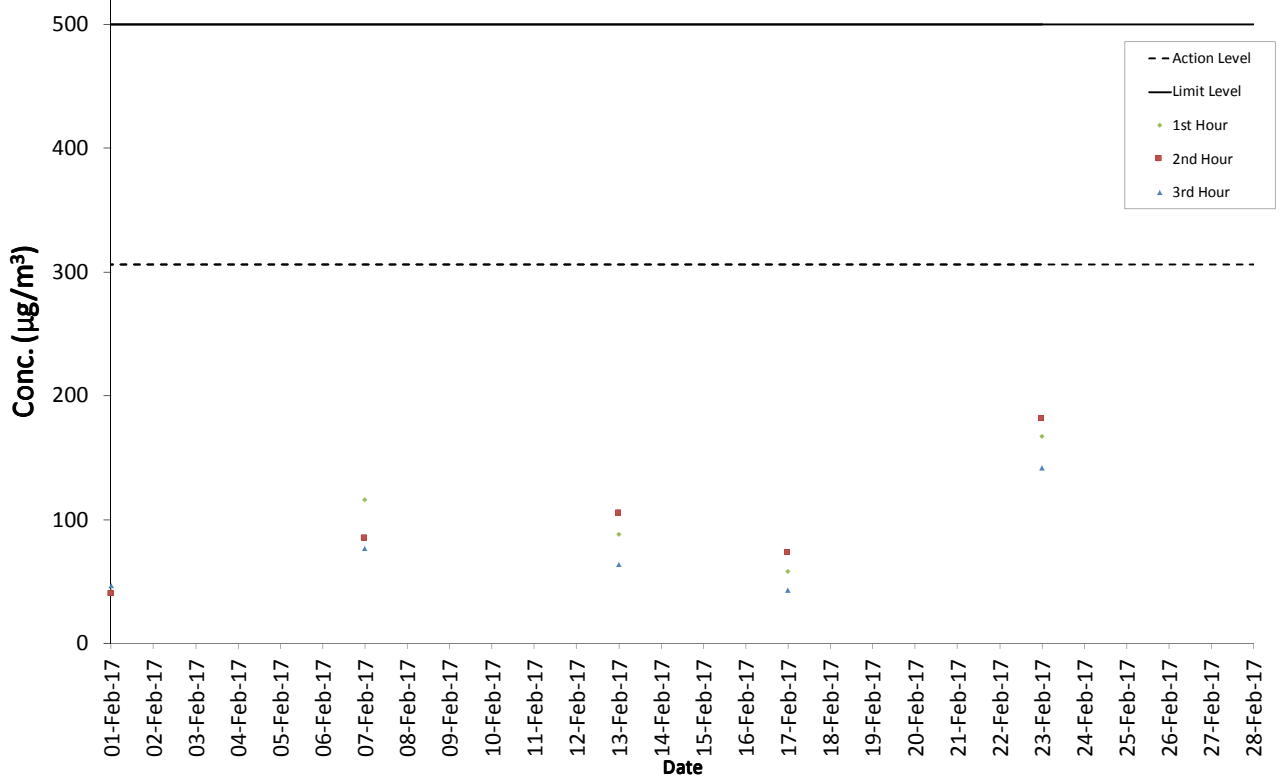
**1-hour TSP Results****Station: AR1A- Man Tung Road Park**

Date	Time	Weather	Wind Speed (m/s)	Wind Direction (deg)	1-hr TSP ( $\mu\text{g}/\text{m}^3$ )	Action Level ( $\mu\text{g}/\text{m}^3$ )	Limit Level ( $\mu\text{g}/\text{m}^3$ )
01-Feb-17	13:15	Fine	2.9	276	42	306	500
01-Feb-17	14:15	Fine	3.3	260	40	306	500
01-Feb-17	15:15	Fine	3.0	273	47	306	500
07-Feb-17	13:00	Fine	8.5	108	116	306	500
07-Feb-17	14:00	Fine	7.0	100	85	306	500
07-Feb-17	15:00	Fine	5.1	129	77	306	500
13-Feb-17	13:00	Sunny	5.2	265	88	306	500
13-Feb-17	14:00	Sunny	4.7	264	105	306	500
13-Feb-17	15:00	Sunny	4.6	259	64	306	500
17-Feb-17	13:00	Sunny	4.4	262	58	306	500
17-Feb-17	14:00	Sunny	4.6	268	73	306	500
17-Feb-17	15:00	Sunny	3.7	269	43	306	500
23-Feb-17	14:20	Cloudy	8.5	340	167	306	500
23-Feb-17	15:20	Cloudy	8.9	330	181	306	500
23-Feb-17	16:20	Cloudy	6.9	345	142	306	500

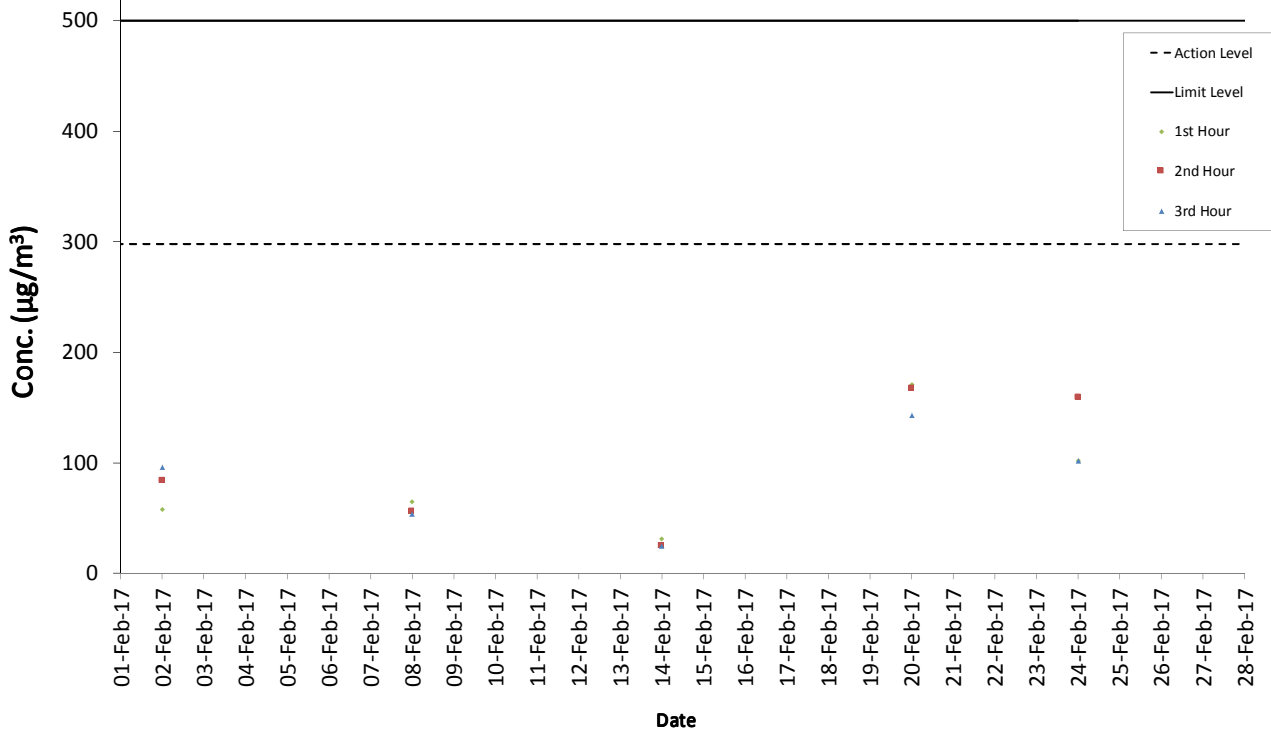
**1-hour TSP Results****Station: AR2- Village House, Tin Sum**

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 ( $\mu\text{g}/\text{m}^3$ )
02-Feb-17	8:57	Cloudy	5.5	51	58	298	500
02-Feb-17	9:57	Cloudy	3.8	104	84	298	500
02-Feb-17	10:57	Cloudy	3.8	66	96	298	500
08-Feb-17	08:58	Cloudy	10.4	100	65	298	500
08-Feb-17	09:58	Cloudy	7.7	75	56	298	500
08-Feb-17	10:58	Cloudy	4.7	102	54	298	500
14-Feb-17	09:05	Sunny	5.6	71	31	298	500
14-Feb-17	10:05	Sunny	4.2	109	25	298	500
14-Feb-17	11:05	Sunny	2.8	19	25	298	500
20-Feb-17	09:02	Cloudy	3.1	13	171	298	500
20-Feb-17	10:02	Cloudy	2.2	335	167	298	500
20-Feb-17	11:02	Cloudy	1.8	300	143	298	500
24-Feb-17	09:05	Rainy	6.6	3	102	298	500
24-Feb-17	10:05	Rainy	5.7	17	159	298	500
24-Feb-17	11:05	Rainy	7.4	9	102	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 <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
01-Feb-17	Fine	13:29	72.5	54.0	71
01-Feb-17	Fine	13:34	73.0	55.0	
01-Feb-17	Fine	13:39	70.5	55.5	
01-Feb-17	Fine	13:44	72.0	54.5	
01-Feb-17	Fine	13:49	71.0	55.0	
01-Feb-17	Fine	13:54	70.5	55.0	
07-Feb-17	Cloudy	13:10	71.0	55.5	72
07-Feb-17	Cloudy	13:15	71.5	56.5	
07-Feb-17	Cloudy	13:20	72.5	57.0	
07-Feb-17	Cloudy	13:25	73.0	57.5	
07-Feb-17	Cloudy	13:30	72.5	57.5	
07-Feb-17	Cloudy	13:35	71.5	55.5	
13-Feb-17	Sunny	13:06	72.5	57.5	72
13-Feb-17	Sunny	13:11	72.5	55.5	
13-Feb-17	Sunny	13:16	71.5	56.0	
13-Feb-17	Sunny	13:21	72.5	58.0	
13-Feb-17	Sunny	13:26	72.5	56.0	
13-Feb-17	Sunny	13:31	73.0	57.5	
23-Feb-17	Cloudy	14:34	69.5	59.0	71
23-Feb-17	Cloudy	14:39	74.0	58.5	
23-Feb-17	Cloudy	14:44	72.0	59.5	
23-Feb-17	Cloudy	14:49	69.5	57.5	
23-Feb-17	Cloudy	14:54	72.0	57.5	
23-Feb-17	Cloudy	14:59	72.5	60.5	

Remarks:

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

## Noise Measurement Results

### Station: NM3A- Site Office

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
02-Feb-17	Cloudy	13:09	68.5	55.5	57
02-Feb-17	Cloudy	13:14	68.5	55.5	
02-Feb-17	Cloudy	13:19	68.5	56.0	
02-Feb-17	Cloudy	13:24	68.0	56.0	
02-Feb-17	Cloudy	13:29	66.0	55.5	
02-Feb-17	Cloudy	13:34	65.5	56.0	
08-Feb-17	Cloudy	14:03	68.5	57.5	57
08-Feb-17	Cloudy	14:08	69.5	57.0	
08-Feb-17	Cloudy	14:13	65.0	57.5	
08-Feb-17	Cloudy	14:18	68.5	56.0	
08-Feb-17	Cloudy	14:23	66.0	56.5	
08-Feb-17	Cloudy	14:28	69.0	57.0	
14-Feb-17	Sunny	14:25	68.5	57.0	62
14-Feb-17	Sunny	14:30	67.5	57.0	
14-Feb-17	Sunny	14:35	66.0	56.5	
14-Feb-17	Sunny	14:40	59.5	57.0	
14-Feb-17	Sunny	14:45	61.5	56.5	
14-Feb-17	Sunny	14:50	61.0	56.5	
20-Feb-17	Fine	14:09	70.5	58.5	61
20-Feb-17	Fine	14:14	68.5	58.5	
20-Feb-17	Fine	14:19	67.0	57.5	
20-Feb-17	Fine	14:24	67.5	57.5	
20-Feb-17	Fine	14:29	68.0	57.0	
20-Feb-17	Fine	14:34	67.0	57.5	

## Noise Measurement Results

### Station: NM4- Ching Chung Hau Po Won Primary School

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
01-Feb-17	Fine	13:39	62.0	55.5	61
01-Feb-17	Fine	13:44	60.5	55.5	
01-Feb-17	Fine	13:49	60.0	55.5	
01-Feb-17	Fine	13:54	59.5	55.0	
01-Feb-17	Fine	13:59	62.0	55.5	
01-Feb-17	Fine	14:04	60.5	55.5	
07-Feb-17	Cloudy	14:40	62.5	59.0	64
07-Feb-17	Cloudy	14:45	63.0	59.5	
07-Feb-17	Cloudy	14:50	62.5	58.5	
07-Feb-17	Cloudy	14:55	62.0	58.5	
07-Feb-17	Cloudy	15:00	62.5	58.0	
07-Feb-17	Cloudy	15:05	62.5	58.5	
13-Feb-17	Sunny	14:08	67.5	61.0	60
13-Feb-17	Sunny	14:13	71.0	62.0	
13-Feb-17	Sunny	14:18	66.5	59.5	
13-Feb-17	Sunny	14:23	63.0	58.5	
13-Feb-17	Sunny	14:28	63.0	59.5	
13-Feb-17	Sunny	14:33	64.0	58.5	
23-Feb-17	Cloudy	13:30	62.5	58.5	64
23-Feb-17	Cloudy	13:35	63.0	58.5	
23-Feb-17	Cloudy	13:40	63.5	59.0	
23-Feb-17	Cloudy	13:45	63.5	58.5	
23-Feb-17	Cloudy	13:50	63.0	58.5	
23-Feb-17	Cloudy	13:55	62.5	58.5	

Remarks:

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

## Noise Measurement Results

### Station: NM5- Village House, Tin Sum

Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
02-Feb-17	Cloudy	09:31	56.5	47.0	56
02-Feb-17	Cloudy	09:36	56.0	45.5	
02-Feb-17	Cloudy	09:41	57.0	46.5	
02-Feb-17	Cloudy	09:46	55.5	43.5	
02-Feb-17	Cloudy	09:51	57.0	45.5	
02-Feb-17	Cloudy	09:56	55.0	47.0	
08-Feb-17	Cloudy	09:20	57.5	49.5	58
08-Feb-17	Cloudy	09:25	58.0	48.0	
08-Feb-17	Cloudy	09:30	60.0	47.0	
08-Feb-17	Cloudy	09:35	56.0	48.5	
08-Feb-17	Cloudy	09:40	55.5	49.5	
08-Feb-17	Cloudy	09:45	54.0	47.5	
14-Feb-17	Sunny	09:20	61.0	51.0	57
14-Feb-17	Sunny	09:25	58.5	51.0	
14-Feb-17	Sunny	09:30	61.0	51.0	
14-Feb-17	Sunny	09:35	60.0	50.0	
14-Feb-17	Sunny	09:40	62.0	48.5	
14-Feb-17	Sunny	09:45	56.0	48.5	
20-Feb-17	Cloudy	09:20	57.5	49.5	58
20-Feb-17	Cloudy	09:25	58.0	50.5	
20-Feb-17	Cloudy	09:30	60.5	49.0	
20-Feb-17	Cloudy	09:35	57.0	47.0	
20-Feb-17	Cloudy	09:40	55.0	46.5	
20-Feb-17	Cloudy	09:45	56.0	48.0	

Remarks:

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

## Noise Measurement Results

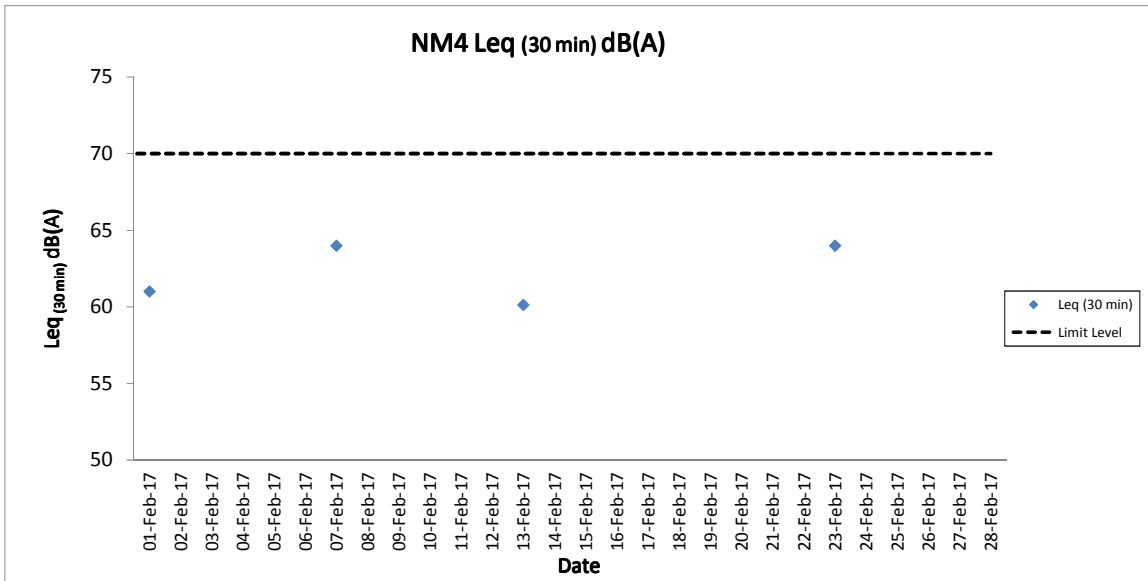
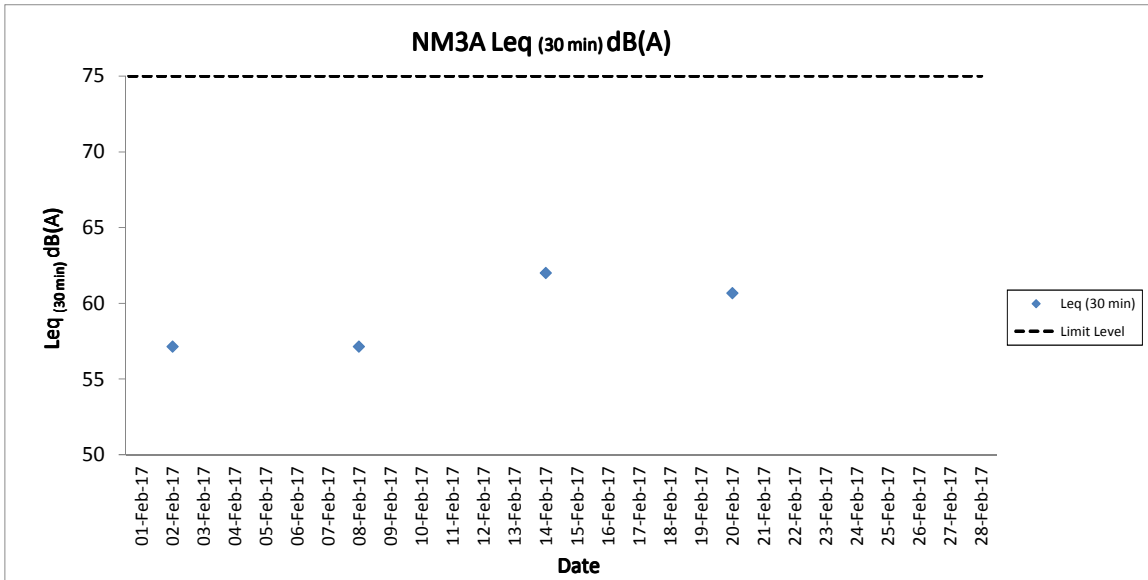
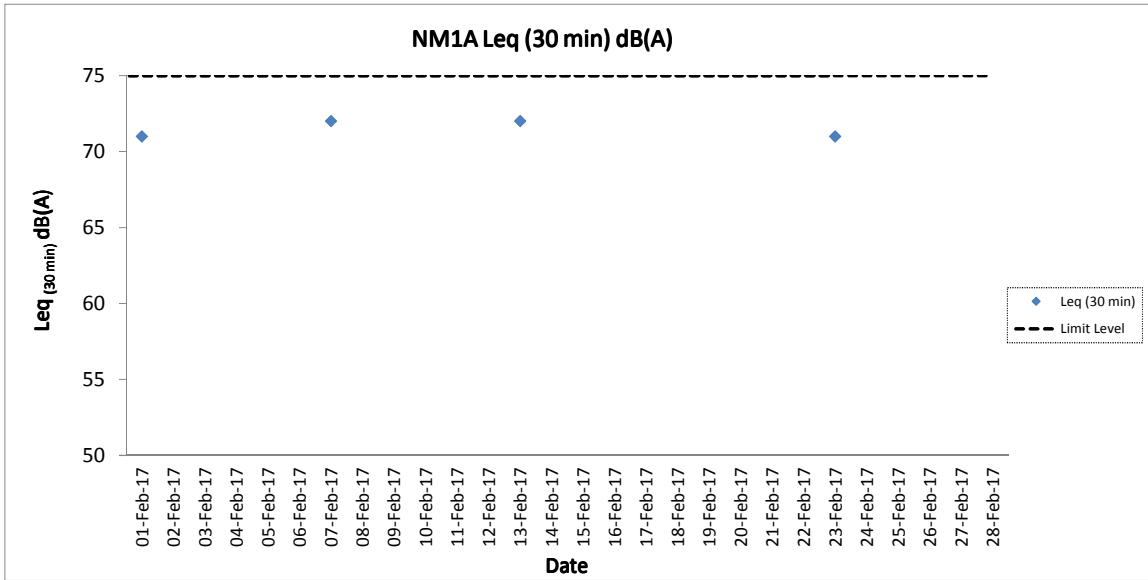
Station: NM6- House No.1 Sha Lo Wan

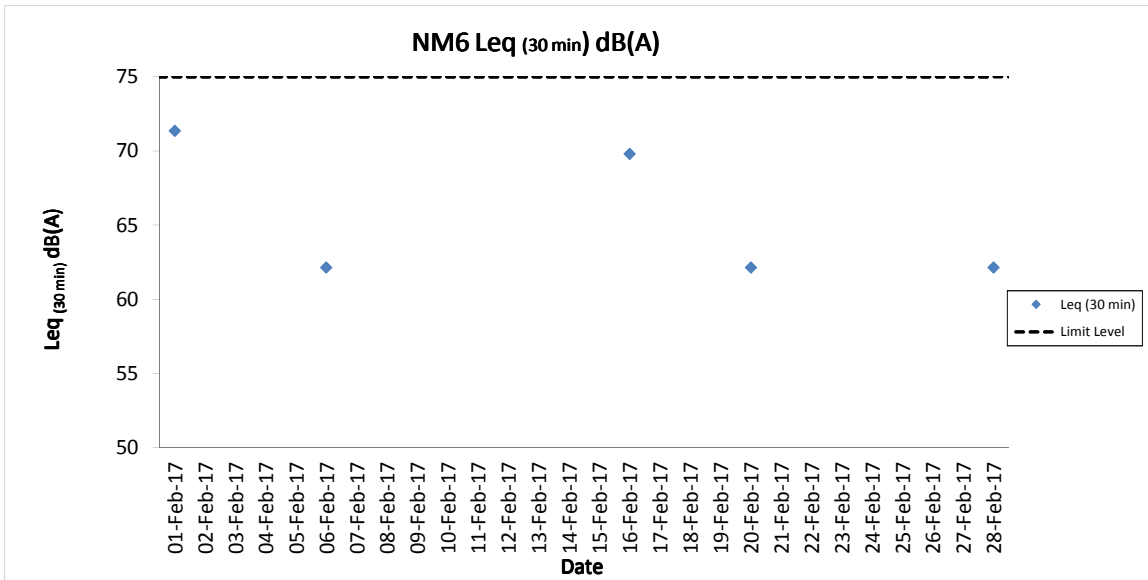
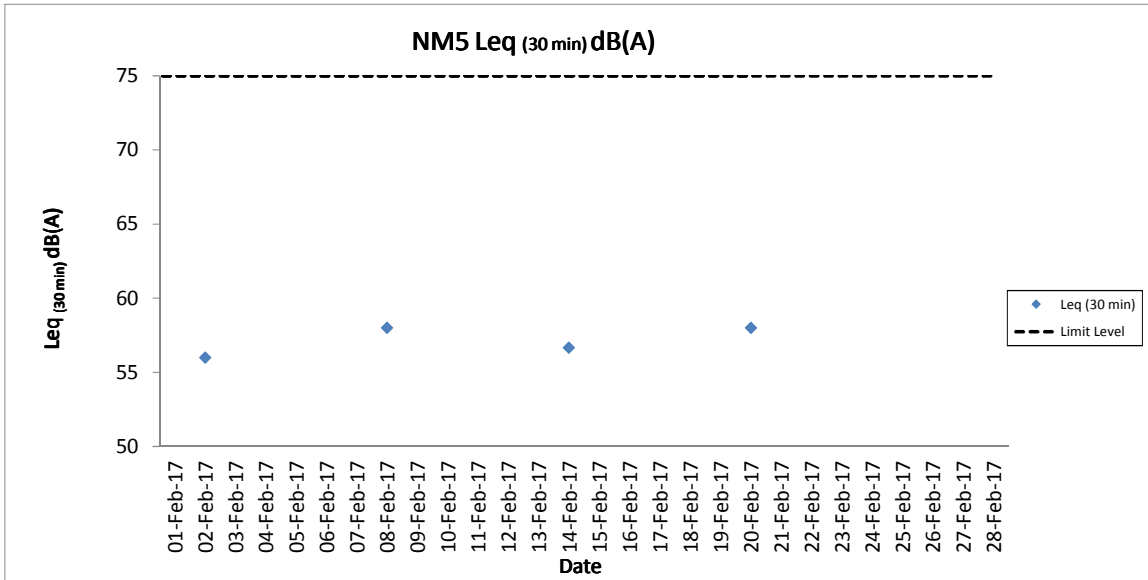
Date	Weather	Time	Measured L <sub>10</sub> dB(A)	Measured L <sub>90</sub> dB(A)	L <sub>eq(30mins)</sub> dB(A)
01-Feb-17	Fine	09:40	71.0	58.5	71
01-Feb-17	Fine	09:45	74.0	58.0	
01-Feb-17	Fine	09:50	78.0	59.5	
01-Feb-17	Fine	09:55	78.0	56.0	
01-Feb-17	Fine	10:00	70.0	54.5	
01-Feb-17	Fine	10:05	75.0	55.0	
06-Feb-17	Sunny	09:40	67.5	56.5	62
06-Feb-17	Sunny	09:45	67.5	56.0	
06-Feb-17	Sunny	09:50	67.5	52.0	
06-Feb-17	Sunny	09:55	68.5	55.5	
06-Feb-17	Sunny	10:00	72.5	56.0	
06-Feb-17	Sunny	10:05	67.5	55.5	
16-Feb-17	Sunny	09:41	76.5	54.0	70
16-Feb-17	Sunny	09:46	75.5	53.0	
16-Feb-17	Sunny	09:51	74.5	51.0	
16-Feb-17	Sunny	09:56	68.0	48.5	
16-Feb-17	Sunny	10:01	73.0	51.0	
16-Feb-17	Sunny	10:06	72.5	55.0	
20-Feb-17	Cloudy	09:37	71.5	59.0	62
20-Feb-17	Cloudy	09:42	62.0	56.0	
20-Feb-17	Cloudy	09:47	72.0	58.5	
20-Feb-17	Cloudy	09:52	67.5	56.5	
20-Feb-17	Cloudy	09:57	67.0	55.5	
20-Feb-17	Cloudy	10:02	65.0	55.5	
28-Feb-17	Fine	09:36	68.5	55.0	62
28-Feb-17	Fine	09:41	72.5	56.5	
28-Feb-17	Fine	09:46	68.0	58.0	
28-Feb-17	Fine	09:51	71.5	56.0	
28-Feb-17	Fine	09:56	65.5	57.0	
28-Feb-17	Fine	10:01	71.0	59.5	

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 02 February 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	11:06	8.6	Surface	1.0	0.7	62	18.9	18.9	8.0	8.0	29.3	29.3	93.1	93.1	7.3	7.3	8.6	13.7	14	26	82	83	815609	804233	<0.2	<0.2	0.7	0.7		
						1.0	0.7	65	18.8	8.0	8.0	29.3	29.3	93.1	93.1	7.3	7.3	8.6	12	82	83											
					Middle	4.3	0.6	55	18.8	8.0	8.0	29.3	29.3	93.2	93.2	7.3	7.3	12.5	13.7	26	26	83	83									
						4.3	0.6	60	18.9	8.0	8.0	29.3	29.3	93.2	93.2	7.3	7.3	12.5	13.7	28	26	83	83									
					Bottom	7.6	0.5	72	18.8	8.0	8.0	29.5	29.5	95.5	95.6	7.5	7.5	20.1	7.5	38	26	84	84									
						7.6	0.5	74	18.8	8.0	8.0	29.5	29.5	95.6	95.6	7.5	7.5	20.0	7.5	38	26	84	84									
C2	Cloudy	Moderate	11:28	12.4	Surface	1.0	0.5	144	19.3	19.3	7.9	7.9	27.0	27.0	89.7	89.7	7.0	7.0	6.9	10.3	6	8	83	83	825687	806952	<0.2	<0.2	2.0	1.9		
						1.0	0.5	158	19.3	7.9	7.9	27.0	27.0	89.7	89.7	7.0	7.0	6.9	10.3	5	8	83	83									
					Middle	6.2	0.5	79	19.4	7.9	7.9	27.6	27.6	89.6	89.6	7.0	7.0	9.9	10.3	5	8	82	83									
						6.2	0.5	80	19.4	7.9	7.9	27.6	27.6	89.6	89.6	7.0	7.0	9.9	10.3	5	8	82	83									
					Bottom	11.4	0.5	111	19.4	7.9	7.9	27.7	27.7	93.1	93.2	7.3	7.3	14.1	7.3	12	8	84	83									
						11.4	0.5	119	19.4	7.9	7.9	27.7	27.7	93.2	93.2	7.3	7.3	14.1	7.3	14	8	85	83									
C3	Cloudy	Moderate	09:49	11.6	Surface	1.0	0.6	259	19.3	19.3	7.9	7.9	28.9	28.9	89.4	89.4	7.0	6.9	9.3	16.1	7	17	80	82	822122	817803	<0.2	<0.2	1.7	1.5		
						1.0	0.7	284	19.3	7.9	7.9	28.9	28.9	89.3	89.4	6.9	6.8	9.4	16.1	6	17	80	82									
					Middle	5.8	0.5	269	19.3	7.9	7.9	29.2	29.3	87.6	87.6	6.8	6.8	15.9	16.1	22	17	83	83									
						5.8	0.5	280	19.3	7.9	7.9	29.3	29.3	87.6	87.6	6.8	6.8	16.0	16.1	22	17	83	83									
					Bottom	10.6	0.4	267	19.3	7.9	7.9	29.3	29.3	87.6	87.6	6.8	6.8	23.1	6.8	21	17	84	83									
						10.6	0.4	281	19.3	7.9	7.9	29.3	29.3	87.6	87.6	6.8	6.8	23.1	6.8	21	17	83	83									
IM1	Cloudy	Moderate	11:24	7.8	Surface	1.0	0.6	66	19.0	19.0	8.0	8.0	28.7	28.7	91.0	91.0	7.1	7.1	7.6	14.2	12	21	80	82	818339	806459	<0.2	<0.2	1.2	1.3		
						1.0	0.6	71	19.0	8.0	8.0	28.7	28.7	91.0	91.0	7.1	7.1	7.6	14.2	11	21	81	82									
					Middle	3.9	0.5	118	19.0	8.0	8.0	28.8	28.8	91.3	91.3	7.1	7.1	11.1	14.2	12	21	82	82									
						3.9	0.5	119	19.0	8.0	8.0	28.8	28.8	91.3	91.3	7.1	7.1	11.0	14.2	12	21	82	82									
					Bottom	6.8	0.4	132	19.0	8.0	8.0	29.1	29.1	93.5	93.5	7.3	7.3	23.9	7.3	39	21	83	82									
						6.8	0.5	133	19.0	8.0	8.0	29.1	29.1	93.5	93.5	7.3	7.3	23.9	7.3	40	21	83	82									
IM2	Cloudy	Moderate	11:30	8.5	Surface	1.0	0.5	119	19.0	19.0	8.0	8.0	28.6	28.6	90.8	90.8	7.1	7.1	14.1	14.4	22	27	82	83	818843	806205	<0.2	<0.2	1.6	1.4		
						1.0	0.5	120	19.0	8.0	8.0	28.6	28.6	90.8	90.8	7.1	7.1	14.1	14.4	23	27	82	83									
					Middle	4.3	0.5	154	19.0	8.0	8.0	28.6	28.6	91.4	91.4	7.1	7.1	15.0	14.4	29	27	83	83									
						4.3	0.5	159	19.0	8.0	8.0	28.6	28.6	91.4	91.4	7.1	7.1	14.9	14.4	28	27	83	83									
					Bottom	7.5	0.5	143	19.0	8.0	8.0	28.6	28.6	95.2	95.3	7.4	7.4	14.2	7.4	28	27	83	83									
						7.5	0.5	153	19.0	8.0	8.0	28.6	28.6	95.3	95.3	7.4	7.4	14.0	7.4	29	27	83	83									
IM3	Cloudy	Moderate	11:37	8.7	Surface	1.0	0.4	60	19.0	19.0	8.0	8.0	28.6	28.6	90.3	90.4	7.1	7.1	17.5	19.7	31	32	82	83	819413	806000	<0.2	<0.2	1.4	1.5		
						1.0	0.4	60	19.0	8.0	8.0	28.6	28.6	90.4	90.4	7.1	7.1	17.6	19.7	31	32	82	83									
					Middle	4.4	0.4	47	19.0	8.0	8.0	28.6	28.6	91.0	91.0	7.1	7.1	20.2	19.7	29	32	83	83									
						4.4	0.5	50	19.0	8.0	8.0	28.6	28.6	91.0	91.0	7.1	7.1	20.2	19.7	30	32	83	83									
					Bottom	7.7	0.4	56	19.0	8.0	8.0	28.6	28.6	93.3	93.4	7.3	7.3	21.3	7.3	34	32	84	83									
						7.7	0.4	59	19.0	8.0	8.0	28.6	28.6	93.4	93.4	7.3	7.3	21.2	7.3	34	32	84	83									
IM4	Cloudy	Moderate	11:47	8.2	Surface	1.0	0.6	113	19.0	19.0	8.0	8.0	28.7	28.7	90.2	90.2	7.1	7.1	22.8	27.2	34	44	82	83	819564	805048	<0.2	<0.2	1.4	1.4		
						1.0	0.6	116	19.0	8.0	8.0	28.7	28.7	90.2	90.2	7.1	7.1	22.8	27.2	34	44	82	83									
					Middle	4.1	0.5	104	19.0	8.0	8.0	28.7	28.7	90.2	90.2	7.1	7.1	27.3	27.2	37	44	83	83									
						4.1	0.6	113	19.0	8.0	8.0	28.7	28.7	90.2	90.2	7.1	7.1	27.2	27.2	39	44	82	83									
					Bottom	7.2	0.5	125	19.0	8.0	8.0	28.7	28.7	90.3	90.3	7.1	7.1	31.8	7.1	58	44	83	83									
						7.2	0.6	135	19.0	8.0	8.0	28.7	28.7	90.3	90.3	7.1	7.1	31.5	7.1	63	44	83	83									
IM5	Cloudy	Moderate	11:57	7.1	Surface	1.0	0.5	81	19.0	19.0	8.0	8.0	28.5	28.5	88.9	88.9	6.9	6.9	16.2	22.7	25	35	78	79	820562	804915	<0.2	<0.2	1.5	1.5		
						1.0	0.5	88	19.0	8.0	8.0	28.5	28.5	88.9	88.9	7.0	6.9	16.2	22.7	26	35	78	79									
					Middle	3.6	0.5	86	19.1	8.0	8.0	28.5	28.5	88.7	88.7	6.9	6.9	22.3	22.7	40	35	79	79									
						3.6	0.6	94	19.1	8.0	8.0	28.5	28.5	88.7	88.7	6.9	6.9	22.4	22.7	39	35	79	79									
					Bottom	6.1	0.5	84	19.1	8.0	8.0	28.5	28.5	88.4	88.4	6.9	6.9	29.4	6.9	40	35	80	79									
						6.1	0.6	91	19.1	8.0	8.0	28.5	28.5	88.4	88.4	6.9	6.9	29.5	6.9	39	35	80	79									
IM6	Cloudy	Moderate	12:08	7.1	Surface	1.0	0.6	88	19.1	19.1	7.9	7.9	28.3	28.3	89.1	89.2	7.0	7.1	12.6	15.0	20	27	80	82	821075	805823	<0.2	<0.2	1.0	1.0		
						1.0	0.6	93	19.1	7.9	7.9	28.3	28.3	89.2	89.2	7.0	7.1	12.7	15.0	19	27	81	82									
					Middle	3.6	0.6	90	19.1	7.9	7.9	28.3	28.3	91.1	91.2	7.1	7.1	17.6	15.0	29	27	82	82									
						3.6	0.6	93	19.1	7.9	7.9	28.3	28.3	91.2	91.2	7.1	7.1	17.5	15.0	31	27	81	82									
					Bottom	6.1	0.5	106	19.0	8.0	8.0	28.9	28.9	95.4	95.5	7.5	7.5	14.9	7.5	32	27	82	82									
						6.1	0.5	114	19.0	8.0	8.0	28.9	28.9	95.5	95.5	7.5	7.5	14.7	7.5	30	27	83	82									
IM7	Cloudy	Moderate	12:15	8.8	Surface	1.0	0.6	53	19.1	19.1	8.0	8.0	28.4	28.4	91.7	91.8	7.2	7.3	10.7	11.3	12	18	80	81	821334	806843	<0.2	<0.2	1.1	1.0		
						1.0	0.6	56	19.1	8.0	8.0	28.4	28.4	91.8	91.8	7.2	7.3	10.7	11.3	14	18	80	81									
					Middle	4.4	0.5	71	19.1	8.0	8.0	28.5	28.5	93.4	93.5	7.3	7.3	11.5	11.3	16	18	81	81									
						4.4	0.6	72	19.1	8.0	8.0	28.5	28.5	93.5	93.5	7.3	7.3	11.6	11.3	17	18	81	81									
					Bottom	7.8	0.4	88	19.0	8.0	8.0	28.9	28.9	96.5	96.6	7.5	7.5															

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

**Water Quality Monitoring Results on 02 February 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	10:54	7.3	Surface	1.0	0.5	235	19.3	19.3	7.9	7.9	28.4	28.4	90.5	90.5	7.1	7.1	13.0	13.0	15	15	80	80	82	822105	808798	<0.2	<0.2	1.2	1.2			
						1.0	0.5	242	19.3	7.9	7.9	28.4	28.4	90.5	90.5	7.1	7.1	13.0	13.0	15	15	80	80	82	822105	808798	<0.2	<0.2	1.0	1.0				
					Middle	3.7	0.6	226	19.4	19.4	7.9	7.9	28.4	28.4	91.1	91.1	7.1	7.1	13.0	13.0	15	15	83	83	84	84	82	822105	808798	<0.2	<0.2	1.1	1.1	
						3.7	0.6	238	19.4	19.4	7.9	7.9	28.4	28.4	91.1	91.1	7.1	7.1	13.0	13.0	14	14	83	83	84	84	82	822105	808798	<0.2	<0.2	1.1	1.1	
					Bottom	6.3	0.5	235	19.3	19.3	7.9	7.9	28.4	28.4	92.6	92.6	7.2	7.2	13.0	13.0	16	16	84	84	84	84	82	822105	808798	<0.2	<0.2	1.4	1.4	
						6.3	0.6	252	19.3	19.3	7.9	7.9	28.4	28.4	92.6	92.6	7.2	7.2	13.0	13.0	17	17	84	84	84	84	82	822105	808798	<0.2	<0.2	1.2	1.2	
IM10	Cloudy	Moderate	10:46	8.4	Surface	1.0	0.6	266	19.2	19.2	8.0	8.0	28.8	28.8	91.9	92.0	7.2	7.2	17.8	17.8	22	22	79	79	82	822245	809850	<0.2	<0.2	1.1	1.1			
						1.0	0.6	279	19.2	19.2	8.0	8.0	28.8	28.8	92.0	92.0	7.2	7.2	17.8	17.8	21	21	79	79	82	822245	809850	<0.2	<0.2	1.1	1.1			
					Middle	4.2	0.5	269	19.2	19.2	8.0	8.0	28.8	28.8	92.0	92.0	7.2	7.2	19.6	19.6	23	23	83	83	84	84	82	822245	809850	<0.2	<0.2	1.0	1.0	
						4.2	0.5	277	19.2	19.2	8.0	8.0	28.8	28.8	92.0	92.0	7.2	7.2	19.6	19.6	21	21	83	83	84	84	82	822245	809850	<0.2	<0.2	1.0	1.0	
					Bottom	7.4	0.5	263	19.2	19.2	8.0	8.0	28.8	28.8	93.7	93.7	7.3	7.3	22.7	22.7	27	27	84	84	84	84	82	822245	809850	<0.2	<0.2	1.0	1.0	
						7.4	0.5	264	19.2	19.2	8.0	8.0	28.8	28.8	93.7	93.7	7.3	7.3	22.7	22.7	27	27	84	84	84	84	82	822245	809850	<0.2	<0.2	1.1	1.1	
IM11	Cloudy	Moderate	10:37	8.9	Surface	1.0	0.5	284	19.3	19.3	8.0	8.0	28.9	28.9	90.9	90.9	7.1	7.1	18.9	18.9	21	21	80	80	83	821516	810528	<0.2	<0.2	1.1	1.1			
						1.0	0.5	307	19.3	19.3	8.0	8.0	28.9	28.9	90.9	90.9	7.1	7.1	18.8	18.8	20	20	79	79	83	821516	810528	<0.2	<0.2	1.1	1.1			
					Middle	4.5	0.5	288	19.3	19.3	8.0	8.0	28.9	28.9	90.7	90.7	7.1	7.1	21.9	21.9	20	20	84	84	84	84	83	821516	810528	<0.2	<0.2	1.0	1.0	
						4.5	0.5	297	19.3	19.3	8.0	8.0	28.9	28.9	90.7	90.7	7.1	7.1	22.0	22.0	21	21	84	84	84	84	83	821516	810528	<0.2	<0.2	1.0	1.0	
					Bottom	7.9	0.5	285	19.3	19.3	8.0	8.0	29.0	29.0	90.9	90.9	7.1	7.1	21.1	21.1	24	24	84	84	84	84	83	821516	810528	<0.2	<0.2	1.2	1.2	
						7.9	0.5	285	19.3	19.3	8.0	8.0	29.0	29.0	90.9	90.9	7.1	7.1	21.1	21.1	24	24	84	84	84	84	83	821516	810528	<0.2	<0.2	1.0	1.0	
IM12	Cloudy	Moderate	10:29	7.4	Surface	1.0	0.8	277	19.2	19.2	8.0	8.0	28.9	28.9	91.2	91.2	7.1	7.1	16.2	16.2	16	16	79	79	82	821148	811509	<0.2	<0.2	1.1	1.1			
						1.0	0.8	279	19.2	19.2	8.0	8.0	28.9	28.9	91.2	91.2	7.1	7.1	16.3	16.3	18	18	79	79	82	821148	811509	<0.2	<0.2	1.0	1.0			
					Middle	3.7	0.7	279	19.2	19.2	8.0	8.0	29.0	29.0	91.0	91.0	7.1	7.1	19.6	19.6	16	16	83	83	84	84	82	821148	811509	<0.2	<0.2	1.3	1.3	
						3.7	0.7	305	19.2	19.2	8.0	8.0	29.0	29.0	91.0	91.0	7.1	7.1	19.6	19.6	18	18	82	82	84	84	82	821148	811509	<0.2	<0.2	1.3	1.3	
					Bottom	6.4	0.6	275	19.2	19.2	7.9	7.9	29.1	29.1	92.4	92.4	7.2	7.2	24.7	24.7	27	27	84	84	84	84	82	821148	811509	<0.2	<0.2	1.1	1.1	
						6.4	0.6	293	19.2	19.2	7.9	7.9	29.1	29.1	92.4	92.4	7.2	7.2	24.6	24.6	27	27	84	84	84	84	82	821148	811509	<0.2	<0.2	1.1	1.1	
SR2	Cloudy	Moderate	10:09	4.6	Surface	1.0	0.2	231	19.2	19.2	8.0	8.0	29.0	29.0	91.5	91.5	7.1	7.1	19.9	19.9	24	24	80	80	82	821454	814152	<0.2	<0.2	1.3	1.3			
						1.0	0.2	240	19.2	19.2	8.0	8.0	29.0	29.0	91.5	91.5	7.1	7.1	19.9	19.9	23	23	79	79	82	821454	814152	<0.2	<0.2	1.0	1.0			
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821454	814152	<0.2	<0.2	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821454	814152	<0.2	<0.2	-	-
					Bottom	3.6	0.2	259	19.2	19.2	8.0	8.0	29.0	29.0	92.5	92.5	7.2	7.2	21.4	21.4	25	25	84	84	84	84	82	821454	814152	<0.2	<0.2	1.0	1.0	
						3.6	0.2	272	19.2	19.2	8.0	8.0	29.0	29.0	92.5	92.5	7.2	7.2	21.4	21.4	25	25	84	84	84	84	82	821454	814152	<0.2	<0.2	1.1	1.1	
SR3	Cloudy	Moderate	11:06	9.9	Surface	1.0	0.6	119	19.4	19.4	7.9	7.9	27.4	27.4	89.7	89.7	7.0	7.0	12.6	12.6	8	8	-	-	-	822162	807585	-	-	-	-			
						1.0	0.7	125	19.4	19.4	7.9	7.9	27.4	27.4	89.7	89.7	7.0	7.0	12.6	12.6	8	8	-	-	-	-	-	822162	807585	-	-	-	-	
					Middle	5.0	0.7	118	19.4	19.4	7.9	7.9	27.6	27.6	89.8	89.8	7.0	7.0	15.2	15.2	9	9	-	-	-	-	-	822162	807585	-	-	-	-	
						5.0	0.7	127	19.4	19.4	7.9	7.9	27.6	27.6	89.8	89.8	7.0	7.0	15.1	15.1	9	9	-	-	-	-	-	822162	807585	-	-	-	-	
					Bottom	8.9	0.7	111	19.4	19.4	7.9	7.9	27.7	27.7	95.6	95.6	7.5	7.5	18.6	18.6	19	19	-	-	-	-	-	822162	807585	-	-	-	-	
						8.9	0.8	117	19.4	19.4	7.9	7.9	27.7	27.7	95.6	95.6	7.5	7.5	18.6	18.6	20	20	-	-	-	-	-	822162	807585	-	-	-	-	
SR4A	Cloudy	Moderate	10:43	8.1	Surface	1.0	0.3	203	19.1	19.1	7.9	7.9	28.9	28.9	90.3	90.4	7.0	7.0	12.8	12.8	21	21	-	-	-	817183	807815	-	-	-	-			
						1.0	0.3	209	19.1	19.1	7.9	7.9	28.9	28.9	90.4	90.4	7.0	7.0	12.8	12.8	21	21	-	-	-	-	-	817183	807815	-	-	-	-	
					Middle	4.1	0.3	194	19.1	19.1	7.9	7.9	28.9	28.9	91.6	91.7	7.1	7.1	13.5	13.5	21	21	-	-	-	-	-	817183	807815	-	-	-	-	
						4.1	0.3	201	19.1	19.1	7.9	7.9	28.9	28.9	91.7	91.7	7.1	7.1	13.5	13.5	21	21	-	-	-	-	-	817183	807815	-	-	-	-	
					Bottom	7.1	0.3	183	19.1	19.1	7.9	7.9	29.0	29.0	94.2	94.3	7.3	7.3	14.3	14.3	23	23	-	-	-	-	-	817183	807815	-	-	-	-	
						7.1	0.3	184	19.1	19.1	7.9	7.9	29.0	29.0	94.3	94.3	7.3	7.3	14.4	14.4	24	24	-	-	-	-	-	817183	807815	-	-	-	-	
SR5A	Cloudy	Calm	10:25	4.2	Surface	1.0	0.2	293	19.1	19.1	7.9	7.9	28.8	28.8	90.5	90.5	7.1	7.1	8.7	8.7	13	13	-	-	-	816588	810704	-	-	-	-			
						1.0																												

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

**Water Quality Monitoring Results on 02 February 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	17:10	8.7	Surface	1.0	0.5	206	15.7	15.7	8.2	8.2	30.4	30.4	94.6	94.7	7.8	7.8	9.3	7.8	14	14	83	83	815635	804260	<0.2	<0.2	0.8	0.7		
						1.0	0.6	208	15.7	8.2	8.2	30.4	30.4	94.7	94.7	7.8	7.8	9.4	7.8	14	14	83	83									
					Middle	4.4	0.5	205	15.6	15.6	8.2	8.2	30.4	30.4	94.6	94.6	7.8	7.8	13.5	13.5	18	18	84	84							84	84
						4.4	0.5	206	15.6	15.6	8.2	8.2	30.4	30.4	94.6	94.6	7.8	7.8	13.5	13.5	20	20	84	84							84	84
					Bottom	7.7	0.5	208	15.6	15.6	8.2	8.2	30.4	30.4	96.5	96.6	8.0	8.0	17.5	17.5	42	42	84	84							85	85
						7.7	0.5	208	15.6	15.6	8.2	8.2	30.4	30.4	96.6	96.6	8.0	8.0	17.5	17.5	41	41	85	85							85	85
C2	Cloudy	Moderate	15:16	11.2	Surface	1.0	0.4	150	19.4	19.4	7.9	7.9	27.4	27.4	90.1	90.1	7.0	7.0	11.8	11.8	12	12	80	80	825700	806960	<0.2	<0.2	2.0	2.0		
						1.0	0.4	155	19.4	19.4	7.9	7.9	27.4	27.4	90.1	90.1	7.0	7.0	11.8	11.8	11	11	79	79								
					Middle	5.6	0.4	127	19.4	19.4	7.9	7.9	27.8	27.8	89.5	89.5	7.0	7.0	21.6	21.6	13	13	81	81							82	82
						5.6	0.4	132	19.4	19.4	7.9	7.9	27.8	27.8	89.5	89.5	7.0	7.0	21.5	21.5	11	11	82	82							82	82
					Bottom	10.2	0.2	190	19.3	19.3	7.9	7.9	28.5	28.5	91.0	91.0	7.1	7.1	28.6	28.6	25	25	84	84							84	84
						10.2	0.3	192	19.3	19.3	7.9	7.9	28.5	28.5	91.0	91.0	7.1	7.1	27.9	27.9	26	26	84	84							84	84
C3	Cloudy	Moderate	16:55	12.6	Surface	1.0	0.5	94	19.3	19.3	7.9	7.9	29.2	29.2	88.3	88.3	6.9	6.9	8.9	8.9	7	7	80	80	822100	817815	<0.2	<0.2	1.0	1.0		
						1.0	0.6	96	19.3	19.3	7.9	7.9	29.2	29.2	88.3	88.3	6.9	6.9	8.9	8.9	9	9	81	81								
					Middle	6.3	0.5	94	19.3	19.3	7.9	7.9	29.4	29.4	87.4	87.4	6.8	6.8	10.1	10.1	7	7	82	82							83	83
						6.3	0.5	94	19.3	19.3	7.9	7.9	29.4	29.4	87.4	87.4	6.8	6.8	10.2	10.2	9	9	83	83							83	83
					Bottom	11.6	0.4	138	19.2	19.2	7.9	7.9	29.6	29.6	87.4	87.4	6.8	6.8	19.0	19.0	10	10	84	84							85	85
						11.6	0.4	144	19.2	19.2	7.9	7.9	29.6	29.6	87.4	87.4	6.8	6.8	19.0	19.0	12	12	85	85							85	85
IM1	Cloudy	Moderate	16:51	7.7	Surface	1.0	0.5	176	15.9	15.9	8.2	8.2	29.6	29.6	93.7	93.7	7.8	7.8	7.8	7.8	12	12	83	83	818365	806450	<0.2	<0.2	0.7	0.7		
						1.0	0.5	187	15.9	15.9	8.2	8.2	29.6	29.6	93.7	93.7	7.8	7.8	7.8	7.8	14	14	83	83								
					Middle	3.9	0.4	177	15.8	15.8	8.2	8.2	29.9	29.9	94.2	94.2	7.8	7.8	10.2	10.2	17	17	84	84							84	84
						3.9	0.4	192	15.8	15.8	8.2	8.2	29.9	29.9	94.2	94.2	7.8	7.8	10.2	10.2	18	18	83	83							84	84
					Bottom	6.7	0.4	183	15.7	15.7	8.2	8.2	30.0	30.0	95.4	95.5	7.9	7.9	17.1	17.1	30	30	84	84							85	85
						6.7	0.4	193	15.7	15.7	8.2	8.2	30.0	30.0	95.5	95.5	7.9	7.9	17.2	17.2	32	32	85	85							85	85
IM2	Cloudy	Moderate	16:45	8.5	Surface	1.0	0.4	194	15.9	15.9	8.2	8.2	29.4	29.4	93.1	93.1	7.7	7.7	7.5	7.5	13	13	82	82	818841	806191	<0.2	<0.2	0.9	0.9		
						1.0	0.4	204	15.9	15.9	8.2	8.2	29.4	29.4	93.1	93.1	7.7	7.7	7.5	7.5	13	13	83	83								
					Middle	4.3	0.4	179	15.8	15.8	8.2	8.2	29.6	29.6	93.8	93.9	7.8	7.8	9.8	9.8	18	18	83	83							83	83
						4.3	0.4	179	15.8	15.8	8.2	8.2	29.6	29.6	93.9	93.9	7.8	7.8	9.9	9.9	16	16	83	83							83	83
					Bottom	7.5	0.4	161	15.7	15.7	8.2	8.2	29.8	29.8	94.3	94.4	7.8	7.8	14.0	14.0	31	31	84	84							84	84
						7.5	0.4	175	15.7	15.7	8.2	8.2	29.8	29.8	94.4	94.4	7.8	7.8	14.1	14.1	31	31	84	84							84	84
IM3	Cloudy	Moderate	16:36	8.8	Surface	1.0	0.4	205	16.0	16.0	8.2	8.2	28.8	28.8	94.1	94.1	7.8	7.8	4.5	4.5	10	10	83	83	819425	806008	<0.2	<0.2	1.1	1.1		
						1.0	0.4	211	16.0	16.0	8.2	8.2	28.8	28.8	94.1	94.1	7.8	7.8	4.5	4.5	11	11	83	83								
					Middle	4.4	0.4	175	15.9	15.9	8.2	8.2	29.0	29.0	94.6	94.6	7.8	7.8	5.6	5.6	12	12	83	83							84	84
						4.4	0.4	188	15.9	15.9	8.2	8.2	29.0	29.0	94.6	94.6	7.8	7.8	5.6	5.6	12	12	84	84							84	84
					Bottom	7.8	0.5	158	15.8	15.8	8.2	8.2	29.4	29.4	95.3	95.3	7.9	7.9	9.8	9.8	23	23	84	84							84	84
						7.8	0.5	165	15.8	15.8	8.2	8.2	29.4	29.4	95.3	95.3	7.9	7.9	9.9	9.9	25	25	84	84							84	84
IM4	Cloudy	Moderate	16:28	8.2	Surface	1.0	0.4	166	15.9	15.9	8.2	8.2	28.8	28.8	93.6	93.6	7.8	7.8	7.6	7.6	15	15	82	82	819582	805032	<0.2	<0.2	0.9	0.9		
						1.0	0.4	180	15.9	15.9	8.2	8.2	28.8	28.8	93.6	93.6	7.8	7.8	7.7	7.7	14	14	82	82								
					Middle	4.1	0.4	171	15.8	15.8	8.2	8.2	29.0	29.0	93.4	93.4	7.8	7.8	11.0	11.0	14	14	83	83							83	83
						4.1	0.4	173	15.8	15.8	8.2	8.2	29.0	29.0	93.4	93.4	7.8	7.8	11.1	11.1	14	14	83	83							83	83
					Bottom	7.2	0.3	184	15.8	15.8	8.2	8.2	29.3	29.3	94.7	94.8	7.9	7.9	15.4	15.4	29	29	84	84							84	84
						7.2	0.3	192	15.7	15.8	8.2	8.2	29.3	29.3	94.9	94.8	7.9	7.9	15.2	15.2	31	31	84	84							84	84
IM5	Cloudy	Moderate	16:21	7.2	Surface	1.0	0.4	174	15.9	15.9	8.2	8.2	28.6	28.6	93.7	93.7	7.8	7.8	6.8	6.8	15	15	81	81	820557	804913	<0.2	<0.2	0.9	0.9		
						1.0	0.4	179	15.9	15.9	8.2	8.2	28.6	28.6	93.7	93.7	7.8	7.8	6.8	6.8	15	15	81	81								
					Middle	3.6	0.4	175	15.8	15.8	8.2	8.2	28.7	28.7	93.3	93.3	7.8	7.8	11.9	11.9	21	21	81	81							81	81
						3.6	0.4	178	15.8	15.8	8.2	8.2	28.7	28.7	93.3	93.3	7.8	7.8	11.9	11.9	20	20	82	82							81	81
					Bottom	6.2	0.4	179	15.8	15.8	8.2	8.2	28.8	28.8	95.4	95.4	7.9	7.9	22.2	22.2	30	30	83	83							83	83
						6.2	0.4	192	15.8	15.8	8.2	8.2	28.8	28.8	95.4	95.4	7.9	7.9	22.2	22.2	30	30	83	83							83	83
IM6	Cloudy	Moderate	16:12	7.2	Surface	1.0	0.4	163	15.9	15.9	8.2	8.2	28.5	28.5	94.0	94.0	7.8	7.8	9.1	9.1	15	15	82	82	821063	805826	<0.2	<0.2	0.9	0.9		
						1.0	0.4	175	15.9	15.9	8.2	8.2	28.5	28.5	94.0	94.0	7.8	7.8	9.1	9.1	14	14	82	82								
					Middle	3.6	0.4	146	15.8	15.8	8.2	8.2	28.6	28.6	93.6	93.6	7.8	7.8	14.8	14.8	16	16	83	83							83	83
						3.6	0.4	155	15.8	15.8	8.2	8.2	28.6	28.6	93.6	93.6	7.8	7.8	14.8	14.8	16	16	83	83							83	83
					Bottom	6.2	0.3	147	15.8	15.8	8.2	8.2	28.5	28.5	95.6	95.6	8.0	8.0	22.0													









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

**Water Quality Monitoring Results on 04 February 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	18:32	8.8	Surface	1.0	0.2	71	16.2	16.2	7.9	7.9	33.1	33.1	97.3	97.3	7.8	7.8	7.0	7.8	6	6	92	94	95	815604	804233	<0.2	<0.2	0.7	0.7		
						1.0	0.3	77	16.1	16.2	7.9	7.9	33.1	33.1	97.2	97.3	7.8	7.8	7.1	7.8	5	6	94	98	95	815604	804233	<0.2	<0.2	0.8	0.7		
					Middle	4.4	0.2	109	16.0	16.0	7.8	7.8	33.5	33.5	95.7	95.7	7.7	7.7	9.5	9.6	6	6	98	100	95	815604	804233	<0.2	<0.2	0.6	0.7		
						4.4	0.2	119	16.0	16.0	7.8	7.8	33.5	33.5	95.7	95.7	7.7	7.7	9.5	9.6	8	6	100	92	95	815604	804233	<0.2	<0.2	0.7	0.7		
					Bottom	7.8	0.1	136	15.7	15.7	7.8	7.8	34.0	34.0	95.0	95.1	7.7	7.7	12.2	7.7	7	6	92	94	95	815604	804233	<0.2	<0.2	0.7	0.6		
						7.8	0.1	137	15.7	15.7	7.8	7.8	34.0	34.0	95.1	95.1	7.7	7.7	12.2	7.7	6	6	94	94	95	815604	804233	<0.2	<0.2	0.6	0.6		
C2	Cloudy	Moderate	17:31	12.7	Surface	1.0	0.3	162	19.5	19.5	7.9	7.9	27.3	27.3	90.1	90.1	7.0	7.0	11.8	7.0	7	11	81	80	83	825664	806958	<0.2	<0.2	1.7	1.8		
						1.0	0.3	171	19.5	19.5	7.9	7.9	27.3	27.3	90.1	90.1	7.0	7.0	11.8	7.0	6	11	80	83	83	825664	806958	<0.2	<0.2	1.7	1.8		
					Middle	6.4	0.3	112	19.3	19.3	7.9	7.9	27.7	27.7	89.5	89.5	7.0	7.0	16.1	14.2	8	11	83	82	83	825664	806958	<0.2	<0.2	1.8	1.7		
						6.4	0.3	117	19.3	19.3	7.9	7.9	27.7	27.7	89.5	89.5	7.0	7.0	16.1	14.2	6	11	82	85	83	825664	806958	<0.2	<0.2	1.7	1.8		
					Bottom	11.7	0.3	231	19.3	19.3	7.9	7.9	28.6	28.6	90.7	90.7	7.1	7.1	14.8	7.1	18	7.1	18	18	85	85	83	825664	806958	<0.2	<0.2	1.8	1.8
						11.7	0.3	237	19.3	19.3	7.9	7.9	28.6	28.6	90.7	90.7	7.1	7.1	14.8	7.1	18	7.1	18	18	85	85	83	825664	806958	<0.2	<0.2	1.8	1.8
C3	Cloudy	Moderate	19:13	12.4	Surface	1.0	0.7	88	19.3	19.3	7.9	7.9	29.3	29.3	88.7	88.7	6.9	6.9	5.5	6.9	4	4	82	81	84	822101	817815	<0.2	<0.2	0.9	0.9		
						1.0	0.7	95	19.3	19.3	7.9	7.9	29.3	29.3	88.7	88.7	6.9	6.9	5.5	6.9	3	4	81	84	84	822101	817815	<0.2	<0.2	0.9	0.9		
					Middle	6.2	0.5	95	19.1	19.1	7.9	7.9	29.5	29.5	88.0	88.0	6.8	6.8	5.4	5.5	4	4	84	84	84	822101	817815	<0.2	<0.2	0.9	0.9		
						6.2	0.5	99	19.1	19.1	7.9	7.9	29.5	29.5	88.0	88.0	6.8	6.8	5.4	5.5	5	4	84	86	84	822101	817815	<0.2	<0.2	0.9	0.9		
					Bottom	11.4	0.4	113	19.0	19.0	7.9	7.9	29.8	29.8	88.9	88.9	6.9	6.9	5.6	6.9	4	6.9	4	4	86	85	84	822101	817815	<0.2	<0.2	0.8	1.0
						11.4	0.4	120	19.0	19.0	7.9	7.9	29.8	29.8	88.9	88.9	6.9	6.9	5.6	6.9	4	6.9	4	4	85	85	84	822101	817815	<0.2	<0.2	1.0	1.0
IM1	Cloudy	Moderate	18:12	7.9	Surface	1.0	0.3	169	16.3	16.3	7.8	7.8	33.1	33.1	95.6	95.6	7.7	7.7	9.6	7.7	11	13	98	98	95	818347	806438	<0.2	<0.2	0.8	0.8		
						1.0	0.3	184	16.3	16.3	7.8	7.8	33.1	33.1	95.6	95.6	7.7	7.7	9.6	7.7	12	7.7	12	13	98	98	95	818347	806438	<0.2	<0.2	0.8	0.8
					Middle	4.0	0.2	174	16.3	16.3	7.8	7.8	33.1	33.1	95.2	95.2	7.6	7.6	10.7	7.6	10	7.6	10	13	90	92	95	818347	806438	<0.2	<0.2	0.8	0.8
						4.0	0.3	187	16.3	16.3	7.8	7.8	33.1	33.1	95.2	95.2	7.6	7.6	10.7	7.6	10	7.6	10	13	92	94	95	818347	806438	<0.2	<0.2	0.8	0.8
					Bottom	6.9	0.2	134	16.0	16.0	7.8	7.8	33.2	33.2	94.7	94.7	7.6	7.6	15.7	7.6	19	7.6	18	13	94	95	95	818347	806438	<0.2	<0.2	0.8	0.8
						6.9	0.2	142	16.0	16.0	7.8	7.8	33.2	33.2	94.7	94.7	7.6	7.6	15.5	7.6	18	7.6	18	13	95	95	95	818347	806438	<0.2	<0.2	0.8	0.8
IM2	Cloudy	Moderate	18:06	8.8	Surface	1.0	0.3	162	16.2	16.2	7.9	7.9	34.0	34.0	95.3	95.3	7.6	7.6	11.6	7.6	12	16	96	96	95	818834	806194	<0.2	<0.2	0.8	0.7		
						1.0	0.3	168	16.2	16.2	7.9	7.9	34.0	34.0	95.3	95.3	7.6	7.6	11.7	7.6	10	7.6	10	16	96	96	95	818834	806194	<0.2	<0.2	0.7	0.7
					Middle	4.4	0.2	124	16.1	16.1	7.9	7.9	34.0	34.0	94.8	94.8	7.6	7.6	13.3	7.6	14	7.6	14	16	93	92	95	818834	806194	<0.2	<0.2	0.6	0.7
						4.4	0.2	125	16.1	16.1	7.9	7.9	34.0	34.0	94.8	94.8	7.6	7.6	13.3	7.6	15	7.6	15	16	92	98	95	818834	806194	<0.2	<0.2	0.7	0.7
					Bottom	7.8	0.2	119	15.8	15.8	7.9	7.9	34.1	34.1	94.3	94.4	7.6	7.6	18.9	7.6	21	7.6	21	16	98	96	95	818834	806194	<0.2	<0.2	0.6	0.7
						7.8	0.3	129	15.8	15.8	7.9	7.9	34.1	34.1	94.4	94.4	7.6	7.6	18.9	7.6	22	7.6	22	16	96	96	95	818834	806194	<0.2	<0.2	0.7	0.7
IM3	Cloudy	Moderate	17:59	9.1	Surface	1.0	0.3	58	16.2	16.2	7.9	7.9	33.9	33.9	95.4	95.4	7.6	7.6	11.3	7.6	11	18	97	95	96	819403	806022	<0.2	<0.2	0.8	0.7		
						1.0	0.3	58	16.2	16.2	7.9	7.9	33.9	33.9	95.3	95.4	7.6	7.6	11.3	7.6	13	7.6	13	18	95	97	96	819403	806022	<0.2	<0.2	0.7	0.7
					Middle	4.6	0.2	85	15.9	15.9	7.9	7.9	34.0	34.0	93.9	93.9	7.5	7.5	17.4	7.5	17	7.5	17	18	97	98	96	819403	806022	<0.2	<0.2	0.7	0.7
						4.6	0.2	88	15.9	15.9	7.9	7.9	34.0	34.0	93.9	93.9	7.5	7.5	17.3	7.5	19	7.5	19	18	98	95	96	819403	806022	<0.2	<0.2	0.7	0.7
					Bottom	8.1	0.2	98	15.8	15.8	7.9	7.9	34.0	34.0	94.0	94.1	7.6	7.6	20.5	7.6	25	7.6	25	18	95	96	96	819403	806022	<0.2	<0.2	0.8	0.7
						8.1	0.2	104	15.8	15.8	7.9	7.9	34.0	34.0	94.1	94.1	7.6	7.6	20.4	7.6	24	7.6	24	18	96	96	96	819403	806022	<0.2	<0.2	0.8	0.7
IM4	Cloudy	Moderate	17:51	8.5	Surface	1.0	0.2	69	16.4	16.4	7.8	7.8	33.3	33.3	94.6	94.7	7.6	7.6	8.6	7.6	9	16	100	100	95	819571	805029	<0.2	<0.2	1.2	1.0		
						1.0	0.3	73	16.4	16.4	7.8	7.8	33.3	33.3	94.7	94.7	7.6	7.6	8.6	7.6	8	7.6	8	16	100	100	95	819571	805029	<0.2	<0.2	1.1	1.0
					Middle	4.3	0.2	102	15.7	15.7	7.8	7.8	33.8	33.8	93.1	93.1	7.5	7.5	19.3	7.5	12	7.5	12	16	95	97	95	819571	805029	<0.2	<0.2	1.1	1.1
						4.3	0.2	104	15.7	15.7	7.8	7.8	33.8	33.8	93.1	93.1	7.5	7.5	19.3	7.5	12	7.5	12	16	97	98	95	819571	805029	<0.2	<0.2	1.1	1.1
					Bottom	7.5	0.2	117	15.7	15.7	7.9	7.9	33.8	33.8	93.4	93.4	7.5	7.5	22.0	7.5	27	7.5	27	16	88	89	95	819571	805029	<0.2	<0.2	0.8	0.7
						7.5	0.2	125	15.7	15.7	7.9	7.9	33.8	33.8	93.4	93.4	7.5	7.5	21.9	7.5	27	7.5	27	16	89	89	95	819571	805029	<0.2	<0.2		

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

**Water Quality Monitoring Results on 04 February 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	18:05	7.7	Surface	1.0	0.6	83	19.6	19.6	7.9	7.9	28.8	28.9	95.4	95.2	7.4	7.4	9.3	12.9	4	9	78	82	822103	808827	<0.2	<0.2	1.3	1.2			
						1.0	0.6	83	19.5	7.9	7.9	28.9	28.9	95.0	95.2	7.4	7.4	10.5	12.9	5	9	79	82	<0.2	<0.2	1.3	1.2						
					Middle	3.9	0.5	102	19.1	19.1	8.0	8.0	29.1	29.1	93.8	93.8	7.3	7.3	14.1	12.9	6	9	83	82	<0.2	<0.2	1.4	1.2					
						3.9	0.5	109	19.1	19.1	8.0	8.0	29.1	29.1	93.8	93.8	7.3	7.3	14.1	12.9	8	9	83	82	<0.2	<0.2	1.3	1.2					
					Bottom	6.7	0.4	135	19.0	19.0	7.9	7.9	29.1	29.1	94.5	94.5	7.4	7.4	14.6	12.9	15	9	85	82	<0.2	<0.2	1.0	1.2					
						6.7	0.4	138	19.0	19.0	7.9	7.9	29.1	29.1	94.5	94.5	7.4	7.4	14.6	12.9	15	9	85	82	<0.2	<0.2	1.0	1.2					
IM10	Cloudy	Moderate	18:14	7.8	Surface	1.0	0.5	113	19.4	19.4	7.9	7.9	28.3	28.3	93.5	93.5	7.3	7.3	9.6	13.6	6	10	80	83	822249	809841	<0.2	<0.2	1.3	1.4			
						1.0	0.5	122	19.4	19.4	7.9	7.9	28.3	28.3	93.5	93.5	7.3	7.3	9.6	13.6	6	10	81	83	<0.2	<0.2	1.4	1.4					
					Middle	3.9	0.4	124	19.3	19.3	7.9	7.9	28.6	28.6	92.7	92.7	7.2	7.2	14.5	13.6	7	10	85	83	<0.2	<0.2	1.4	1.4					
						3.9	0.4	128	19.3	19.3	7.9	7.9	28.6	28.6	92.7	92.7	7.2	7.2	14.5	13.6	7	10	84	83	<0.2	<0.2	1.4	1.4					
					Bottom	6.8	0.5	141	19.2	19.2	7.9	7.9	28.6	28.6	93.2	93.2	7.3	7.3	16.7	13.6	16	10	85	83	<0.2	<0.2	1.3	1.4					
						6.8	0.5	150	19.2	19.2	7.9	7.9	28.6	28.6	93.2	93.2	7.3	7.3	16.7	13.6	16	10	85	83	<0.2	<0.2	1.3	1.4					
IM11	Cloudy	Moderate	18:21	9.2	Surface	1.0	0.5	114	19.3	19.3	7.9	7.9	28.4	28.4	92.2	92.2	7.2	7.2	10.2	12.6	8	11	80	83	821495	810546	<0.2	<0.2	1.3	1.3			
						1.0	0.6	117	19.3	19.3	7.9	7.9	28.4	28.4	92.2	92.2	7.2	7.2	10.2	12.6	8	11	80	83	<0.2	<0.2	1.4	1.3					
					Middle	4.6	0.6	116	19.3	19.3	7.9	7.9	28.6	28.6	91.6	91.7	7.1	7.1	13.0	12.6	7	11	83	83	<0.2	<0.2	1.3	1.3					
						4.6	0.6	122	19.3	19.3	7.9	7.9	28.6	28.6	91.7	91.7	7.1	7.1	13.0	12.6	8	11	83	83	<0.2	<0.2	1.3	1.3					
					Bottom	8.2	0.6	123	19.2	19.2	7.9	7.9	28.7	28.7	92.1	92.1	7.2	7.2	14.5	12.6	16	11	85	83	<0.2	<0.2	1.2	1.3					
						8.2	0.6	124	19.2	19.2	7.9	7.9	28.7	28.7	92.1	92.1	7.2	7.2	14.5	12.6	17	11	85	83	<0.2	<0.2	1.1	1.3					
IM12	Cloudy	Moderate	18:29	9.3	Surface	1.0	0.5	97	19.4	19.4	7.9	7.9	28.2	28.2	92.4	92.4	7.2	7.2	8.0	9.5	6	8	80	83	821171	811517	<0.2	<0.2	1.4	1.5			
						1.0	0.6	102	19.4	19.4	7.9	7.9	28.2	28.2	92.4	92.4	7.2	7.2	8.0	9.5	6	8	80	83	<0.2	<0.2	1.5	1.5					
					Middle	4.7	0.5	110	19.3	19.3	7.9	7.9	28.6	28.6	91.3	91.3	7.1	7.1	9.8	9.5	7	8	83	83	<0.2	<0.2	1.5	1.5					
						4.7	0.5	117	19.3	19.3	7.9	7.9	28.6	28.6	91.3	91.3	7.1	7.1	9.8	9.5	7	8	83	83	<0.2	<0.2	1.4	1.5					
					Bottom	8.3	0.4	120	19.2	19.2	7.9	7.9	28.8	28.8	93.0	93.0	7.2	7.2	10.8	9.5	13	8	85	83	<0.2	<0.2	1.4	1.5					
						8.3	0.4	131	19.2	19.2	7.9	7.9	28.8	28.8	93.0	93.0	7.2	7.2	10.8	9.5	11	8	85	83	<0.2	<0.2	1.4	1.5					
SR2	Cloudy	Moderate	18:53	4.4	Surface	1.0	0.4	93	19.2	19.2	7.9	7.9	28.7	28.7	91.8	91.8	7.2	7.2	9.9	10.4	8	8	82	84	821444	814168	<0.2	<0.2	1.2	1.2			
						1.0	0.4	95	19.2	19.2	7.9	7.9	28.7	28.7	91.8	91.8	7.2	7.2	9.9	10.4	8	8	81	84	<0.2	<0.2	1.2	1.2					
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	84	821444	814168	-	<0.2	-	1.2
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	84	821444	814168	-	<0.2	-
					Bottom	3.4	0.3	99	19.2	19.2	7.9	7.9	28.9	28.9	93.6	93.6	7.3	7.3	10.8	10.4	9	8	86	84	<0.2	<0.2	1.1	1.2					
						3.4	0.4	104	19.2	19.2	7.9	7.9	28.9	28.9	93.6	93.6	7.3	7.3	10.8	10.4	7	8	86	84	<0.2	<0.2	1.1	1.2					
SR3	Cloudy	Moderate	17:52	9.1	Surface	1.0	0.6	118	19.4	19.4	7.9	7.9	28.7	28.7	94.2	94.2	7.3	7.3	13.0	18.9	11	17	-	-	822161	807566	-	-	-	-			
						1.0	0.6	128	19.4	19.4	7.9	7.9	28.7	28.7	94.2	94.2	7.3	7.3	13.0	18.9	10	17	-	-	-	-	822161	807566	-	-	-	-	
					Middle	4.6	0.5	100	19.1	19.1	7.9	7.9	28.8	28.8	92.5	92.5	7.2	7.2	21.3	18.9	14	17	-	-	-	-	822161	807566	-	-	-	-	
						4.6	0.6	106	19.1	19.1	7.9	7.9	28.8	28.8	92.5	92.5	7.2	7.2	21.2	18.9	13	17	-	-	-	-	822161	807566	-	-	-	-	
					Bottom	8.1	0.5	114	19.1	19.1	7.9	7.9	28.9	28.9	94.2	94.2	7.4	7.4	22.4	18.9	27	17	-	-	-	-	822161	807566	-	-	-	-	
						8.1	0.5	123	19.1	19.1	7.9	7.9	28.9	28.9	94.2	94.2	7.4	7.4	22.4	18.9	26	17	-	-	-	-	822161	807566	-	-	-	-	
SR4A	Cloudy	Moderate	18:53	8.4	Surface	1.0	0.4	79	16.4	16.4	7.8	7.8	33.3	33.3	96.0	96.0	7.7	7.7	11.8	12.2	13	16	-	-	817183	807817	-	-	-	-			
						1.0	0.4	83	16.4	16.4	7.8	7.8	33.3	33.3	96.0	96.0	7.7	7.7	11.8	12.2	15	16	-	-	-	-	817183	807817	-	-	-	-	
					Middle	4.2	0.3	88	16.2	16.2	7.8	7.8	33.3	33.3	95.6	95.6	7.7	7.7	12.1	12.2	14	16	-	-	-	-	817183	807817	-	-	-	-	
						4.2	0.3	91	16.2	16.2	7.8	7.8	33.3	33.3	95.6	95.6	7.7	7.7	12.1	12.2	14	16	-	-	-	-	817183	807817	-	-	-	-	
					Bottom	7.4	0.2	109	16.2	16.2	7.8	7.8	33.3	33.3	95.6	95.6	7.7	7.7	12.7	12.2	18	16	-	-	-	-	817183	807817	-	-	-	-	
						7.4	0.2	117	16.2	16.2	7.8	7.8	33.3	33.3	95.6	95.6	7.7	7.7	12.8	12.2	20	16	-	-	-	-	817183	807817	-	-	-	-	
SR5A	Cloudy	Moderate	19:08	5.6	Surface	1.0	0.1	112	16.4	16.4	7.8	7.8	33.0	33.0	94.5	94.5	7.6	7.6	8.6	9.2	9	9	-	-	816586	810679	-	-	-	-			
						1.0	0.2	118	16.4	16.4	7.8	7.8	33.0	33.0	94.5	94.5	7.6	7.6	8.7	9.2	10	9	-	-	-	-	816586	810679	-	-	-	-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	-	816586	810679	-	-	-	-
						2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	9	-	-	816586	810679	-	-	-
					Bottom	4.6	0.1	99	16.2	16.2	7.8	7.8	33.0	33.0	94.6	94.6	7.6	7.6	9.7	9.2	8	9	-	-	-	-	816586	810679	-	-	-	-	
						4.6	0.1	105	16.2	16.2	7.8	7.8	33.0	33.0	94.6	94.6	7.6	7.6	9.6	9.2	10	9	-	-	-	-	816586	810679	-	-	-	-	
SR6	Cloudy	Calm	19:31	4.5	Surface	1.0	0.2	103</																									

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

**Water Quality Monitoring Results on 07 February 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	Sunny	Moderate	14:50	8.3	Surface	1.0	0.6	144	15.4	15.4	7.8	7.8	34.3	34.3	97.7	97.7	7.9	7.9	6.4	6.4	9	9	83	83	84	84	815631	804235	<0.2	<0.2	0.4	0.4				
						1.0	0.6	152	15.4	15.4	7.8	7.8	34.3	34.3	97.7	97.7	7.9	7.9	6.4	6.4	10	10	83	83	84	84	84	84	815631	804235	<0.2	<0.2	0.4	0.4		
					Middle	4.2	0.5	158	15.4	15.4	7.8	7.8	34.3	34.3	98.0	98.0	7.9	7.9	6.6	6.6	8	8	9	9	84	84	84	84	815631	804235	<0.2	<0.2	0.4	0.4		
						4.2	0.6	160	15.4	15.4	7.8	7.8	34.3	34.3	98.0	98.0	7.9	7.9	6.6	6.6	10	10	8	8	9	9	84	84	84	84	815631	804235	<0.2	<0.2	0.3	0.3
					Bottom	7.3	0.5	135	15.4	15.4	7.8	7.8	34.3	34.3	98.7	98.7	8.0	8.0	6.4	6.4	8	8	8	8	9	9	85	85	84	84	815631	804235	<0.2	<0.2	0.3	0.3
						7.3	0.6	137	15.4	15.4	7.8	7.8	34.3	34.3	98.7	98.7	8.0	8.0	6.3	6.3	9	9	8	8	9	9	85	85	84	84	815631	804235	<0.2	<0.2	0.4	0.4
C2	Cloudy	Moderate	13:50	12.4	Surface	1.0	0.5	231	19.4	19.4	7.8	7.8	26.6	26.6	94.9	94.9	7.5	7.5	6.1	6.1	5	5	75	75	80	80	825671	806963	<0.2	<0.2	1.8	1.8				
						1.0	0.5	233	19.4	19.4	7.8	7.8	26.6	26.6	94.8	94.9	7.5	7.5	6.1	6.1	6	6	5	5	76	76	80	80	825671	806963	<0.2	<0.2	1.8	1.8		
					Middle	6.2	0.4	190	19.4	19.4	7.8	7.8	27.0	27.0	92.4	92.4	7.3	7.3	6.9	6.9	4	4	5	5	81	81	80	80	825671	806963	<0.2	<0.2	2.0	2.0		
						6.2	0.4	203	19.4	19.4	7.8	7.8	27.0	27.0	92.4	92.4	7.3	7.3	6.9	6.9	4	4	5	5	81	81	80	80	825671	806963	<0.2	<0.2	2.0	2.0		
					Bottom	11.4	0.4	186	19.4	19.4	7.8	7.8	28.3	28.3	92.6	92.6	7.2	7.2	7.4	7.4	5	5	5	5	84	84	80	80	825671	806963	<0.2	<0.2	1.9	1.9		
						11.4	0.4	200	19.4	19.4	7.8	7.8	28.3	28.3	92.6	92.6	7.2	7.2	7.4	7.4	5	5	5	5	84	84	80	80	825671	806963	<0.2	<0.2	1.9	1.9		
C3	Cloudy	Moderate	15:48	12.7	Surface	1.0	0.4	287	19.0	19.0	7.9	7.9	29.9	29.9	90.6	90.6	7.0	7.0	4.0	4.0	4	4	80	80	82	82	822121	817821	<0.2	<0.2	0.7	0.7				
						1.0	0.5	299	19.0	19.0	7.9	7.9	29.9	29.9	90.5	90.6	7.0	7.0	4.0	4.0	3	3	4	4	80	80	82	82	822121	817821	<0.2	<0.2	0.5	0.5		
					Middle	6.4	0.3	281	18.9	18.9	7.9	7.9	30.0	30.0	89.4	89.5	7.0	7.0	4.4	4.4	3	3	4	4	82	82	82	82	822121	817821	<0.2	<0.2	0.7	0.7		
						6.4	0.3	287	18.9	18.9	7.9	7.9	30.0	30.0	89.5	89.5	7.0	7.0	4.4	4.4	4	4	4	4	81	81	82	82	822121	817821	<0.2	<0.2	0.6	0.6		
					Bottom	11.7	0.3	266	18.9	18.9	7.8	7.8	30.0	30.0	90.9	90.9	7.1	7.1	4.7	4.7	3	3	4	4	85	85	82	82	822121	817821	<0.2	<0.2	0.6	0.6		
						11.7	0.3	290	18.9	18.9	7.8	7.8	30.0	30.0	90.9	90.9	7.1	7.1	4.7	4.7	5	5	3	3	85	85	82	82	822121	817821	<0.2	<0.2	0.6	0.6		
IM1	Sunny	Rough	14:33	7.6	Surface	1.0	0.3	171	16.0	16.0	7.7	7.7	32.4	32.4	96.8	96.8	7.8	7.8	4.5	4.5	6	6	82	82	83	83	818354	806468	<0.2	<0.2	0.9	0.9				
						1.0	0.3	187	16.0	16.0	7.7	7.7	32.4	32.4	96.8	96.8	7.8	7.8	4.5	4.5	6	6	7	7	82	82	83	83	818354	806468	<0.2	<0.2	1.0	1.0		
					Middle	3.8	0.3	162	15.9	15.9	7.7	7.7	32.5	32.5	97.9	97.9	7.9	7.9	5.1	5.1	6	6	7	7	83	83	83	83	818354	806468	<0.2	<0.2	1.0	1.0		
						3.8	0.3	171	15.9	15.9	7.7	7.7	32.5	32.5	97.9	97.9	7.9	7.9	5.1	5.1	7	7	7	7	83	83	83	83	818354	806468	<0.2	<0.2	0.9	0.9		
					Bottom	6.6	0.3	155	15.7	15.7	7.7	7.7	32.7	32.7	99.2	99.3	8.1	8.1	5.9	5.9	8	8	8	8	84	84	83	83	818354	806468	<0.2	<0.2	0.9	0.9		
						6.6	0.3	167	15.7	15.7	7.7	7.7	32.7	32.7	99.3	99.3	8.1	8.1	5.8	5.8	10	10	8	8	84	84	83	83	818354	806468	<0.2	<0.2	1.0	1.0		
IM2	Sunny	Moderate	14:26	7.5	Surface	1.0	0.4	206	16.0	16.0	7.7	7.7	32.3	32.3	96.2	96.2	7.8	7.8	4.3	4.3	6	6	82	82	83	83	818832	806208	<0.2	<0.2	1.1	1.1				
						1.0	0.4	212	16.0	16.0	7.7	7.7	32.3	32.3	96.2	96.2	7.8	7.8	4.3	4.3	8	8	8	8	82	82	83	83	818832	806208	<0.2	<0.2	1.2	1.2		
					Middle	3.8	0.3	202	16.0	16.0	7.7	7.7	32.3	32.3	96.8	96.9	7.9	7.9	4.3	4.3	9	9	8	8	83	83	83	83	818832	806208	<0.2	<0.2	1.3	1.3		
						3.8	0.4	210	16.0	16.0	7.7	7.7	32.3	32.3	96.9	96.9	7.9	7.9	4.2	4.2	7	7	8	8	83	83	83	83	818832	806208	<0.2	<0.2	1.0	1.0		
					Bottom	6.5	0.3	182	15.9	15.9	7.7	7.7	32.3	32.3	98.7	98.8	8.0	8.0	4.6	4.6	7	7	8	8	83	83	83	83	818832	806208	<0.2	<0.2	1.1	1.1		
						6.5	0.3	198	15.9	15.9	7.7	7.7	32.3	32.3	98.8	98.8	8.0	8.0	4.6	4.6	8	8	8	8	84	84	83	83	818832	806208	<0.2	<0.2	1.3	1.3		
IM3	Sunny	Rough	14:16	8.3	Surface	1.0	0.5	243	16.0	16.0	7.7	7.7	32.2	32.2	97.0	97.0	7.9	7.9	4.0	4.0	7	7	81	81	82	82	819426	806030	<0.2	<0.2	1.1	1.1				
						1.0	0.5	245	16.0	16.0	7.7	7.7	32.2	32.2	97.0	97.0	7.9	7.9	4.0	4.0	7	7	7	7	81	81	82	82	819426	806030	<0.2	<0.2	1.2	1.2		
					Middle	4.2	0.5	217	16.0	16.0	7.7	7.7	32.3	32.3	97.5	97.5	7.9	7.9	4.3	4.3	6	6	7	7	82	82	82	82	819426	806030	<0.2	<0.2	1.1	1.1		
						4.2	0.5	231	16.0	16.0	7.7	7.7	32.3	32.3	97.5	97.5	7.9	7.9	4.3	4.3	6	6	7	7	82	82	82	82	819426	806030	<0.2	<0.2	1.1	1.1		
					Bottom	7.3	0.4	226	15.9	15.9	7.7	7.7	32.3	32.3	98.9	99.0	8.0	8.0	4.7	4.7	7	7	7	7	83	83	82	82	819426	806030	<0.2	<0.2	1.1	1.1		
						7.3	0.5	239	15.9	15.9	7.7	7.7	32.3	32.3	99.1	99.1	8.0	8.0	4.8	4.8	7	7	7	7	83	83	82	82	819426	806030	<0.2	<0.2	1.3	1.3		
IM4	Sunny	Rough	14:07	7.9	Surface	1.0	0.5	216	15.9	15.9	7.7	7.7	32.3	32.3	96.8	96.9	7.9	7.9	8.7	8.7	12	12	83	83	84	84	819576	805048	<0.2	<0.2	1.2	1.2				
						1.0	0.5	219	15.9	15.9	7.7	7.7	32.3	32.3	96.9	96.9	7.9	7.9	8.7	8.7	10	10	11	11	83	83	84	84	819576	805048	<0.2	<0.2	1.0	1.0		
					Middle	4.0	0.5	223	15.9	15.9	7.7	7.7	32.3	32.3	97.4	97.4	7.9	7.9	8.4	8.4	10	10	11	11	84	84	84	84	819576	805048	<0.2	<0.2	1.1	1.1		
						4.0	0.6	243	15.9	15.9	7.7	7.7	32.3	32.3	97.4	97.4	7.9	7.9	8.4	8.4	10	10	11	11	84	84	84	84	819576	805048	<0.2	<0.2	1.0	1.0		
					Bottom	6.9	0.5	199	15.8	15.8	7.7	7.7	32.3	32.4	99																					

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

**Water Quality Monitoring Results on 07 February 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	14:37	7.9	Surface	1.0	0.7	254	19.5	19.5	7.9	7.9	28.3	28.3	98.0	98.0	7.6	7.6	6.2	6.2	2	3	78	78	81	81	822098	808825	<0.2	<0.2	1.2	1.2				
						1.0	0.7	267	19.5	7.9	7.9	28.3	28.3	98.0	98.0	7.6	7.6	6.2	6.2	3	3	78	78	81	81	822098	808825	<0.2	<0.2	1.2	1.2					
					Middle	4.0	0.6	255	19.4	19.4	7.9	7.9	28.4	28.4	96.5	96.5	7.5	7.5	8.0	8.0	4	4	82	82	81	81	822098	808825	<0.2	<0.2	1.4	1.4				
						4.0	0.6	267	19.4	19.4	7.9	7.9	28.4	28.4	96.5	96.5	7.5	7.5	8.0	8.0	4	4	82	82	81	81	822098	808825	<0.2	<0.2	1.2	1.2				
					Bottom	6.9	0.5	212	19.2	19.2	7.9	7.9	28.6	28.6	96.6	96.6	7.5	7.5	10.1	10.1	5	5	83	83	84	84	822098	808825	<0.2	<0.2	1.3	1.3				
						6.9	0.5	213	19.2	19.2	7.9	7.9	28.6	28.6	96.6	96.6	7.5	7.5	10.1	10.1	5	5	83	83	84	84	822098	808825	<0.2	<0.2	1.5	1.5				
IM10	Cloudy	Moderate	14:43	8.5	Surface	1.0	0.4	259	19.5	19.5	7.9	7.9	28.4	28.4	95.8	95.8	7.4	7.4	6.4	6.4	6	6	77	77	81	81	822257	809848	<0.2	<0.2	1.3	1.3				
						1.0	0.5	273	19.5	19.5	7.9	7.9	28.4	28.4	95.8	95.8	7.4	7.4	6.4	6.4	5	5	78	78	81	81	822257	809848	<0.2	<0.2	1.3	1.3				
					Middle	4.3	0.4	252	19.3	19.3	7.9	7.9	28.8	28.8	94.8	94.8	7.4	7.4	7.6	7.6	8	8	81	81	82	82	81	81	822257	809848	<0.2	<0.2	1.3	1.3		
						4.3	0.4	257	19.3	19.3	7.9	7.9	28.8	28.8	94.8	94.8	7.4	7.4	7.6	7.6	6	6	82	82	84	84	81	81	822257	809848	<0.2	<0.2	1.3	1.3		
					Bottom	7.5	0.4	251	19.2	19.2	7.9	7.9	28.8	28.8	95.7	95.7	7.4	7.4	9.7	9.7	6	6	84	84	84	84	81	81	822257	809848	<0.2	<0.2	1.2	1.2		
						7.5	0.4	253	19.2	19.2	7.9	7.9	28.8	28.8	95.7	95.7	7.4	7.4	9.7	9.7	6	6	84	84	84	84	81	81	822257	809848	<0.2	<0.2	1.1	1.1		
IM11	Cloudy	Moderate	14:51	8.8	Surface	1.0	0.5	280	19.2	19.2	7.9	7.9	29.0	29.0	94.9	94.9	7.4	7.4	7.7	7.7	6	6	77	77	81	81	821499	810540	<0.2	<0.2	1.0	1.0				
						1.0	0.5	302	19.2	19.2	7.9	7.9	29.0	29.0	94.9	94.9	7.4	7.4	7.7	7.7	6	6	78	78	81	81	821499	810540	<0.2	<0.2	1.0	1.0				
					Middle	4.4	0.4	259	19.2	19.2	7.9	7.9	29.0	29.0	94.9	94.9	7.4	7.4	8.0	8.0	8	8	82	82	81	81	821499	810540	<0.2	<0.2	1.1	1.1				
						4.4	0.4	278	19.2	19.2	7.9	7.9	29.0	29.0	94.9	94.9	7.4	7.4	8.0	8.0	6	6	81	81	84	84	81	81	821499	810540	<0.2	<0.2	0.9	0.9		
					Bottom	7.8	0.4	263	19.1	19.1	7.9	7.9	29.0	29.0	96.3	96.3	7.5	7.5	9.1	9.1	6	6	84	84	84	84	81	81	821499	810540	<0.2	<0.2	1.0	1.0		
						7.8	0.4	272	19.1	19.1	7.9	7.9	29.0	29.0	96.3	96.3	7.5	7.5	9.1	9.1	8	8	84	84	84	84	81	81	821499	810540	<0.2	<0.2	1.1	1.1		
IM12	Cloudy	Moderate	15:01	9.0	Surface	1.0	0.4	247	19.2	19.2	7.9	7.9	29.0	29.0	93.8	93.8	7.3	7.3	7.5	7.5	5	5	77	77	81	81	821171	811519	<0.2	<0.2	0.9	0.9				
						1.0	0.5	256	19.2	19.2	7.9	7.9	29.0	29.0	93.8	93.8	7.3	7.3	7.5	7.5	4	4	78	78	81	81	821171	811519	<0.2	<0.2	0.9	0.9				
					Middle	4.5	0.4	243	19.2	19.2	7.9	7.9	29.0	29.0	93.5	93.5	7.3	7.3	9.0	9.0	6	6	82	82	81	81	821171	811519	<0.2	<0.2	0.9	0.9				
						4.5	0.5	255	19.2	19.2	7.9	7.9	29.0	29.0	93.5	93.5	7.3	7.3	9.0	9.0	5	5	81	81	84	84	81	81	821171	811519	<0.2	<0.2	1.1	1.1		
					Bottom	8.0	0.4	238	19.2	19.2	7.9	7.9	29.1	29.1	93.6	93.6	7.3	7.3	11.3	11.3	6	6	84	84	84	84	81	81	821171	811519	<0.2	<0.2	1.0	1.0		
						8.0	0.4	261	19.2	19.2	7.9	7.9	29.1	29.1	93.6	93.6	7.3	7.3	11.3	11.3	5	5	84	84	84	84	81	81	821171	811519	<0.2	<0.2	1.1	1.1		
SR2	Cloudy	Moderate	15:24	5.1	Surface	1.0	0.2	171	19.2	19.2	7.8	7.8	29.1	29.1	97.3	97.3	7.6	7.6	8.5	8.5	7	4	80	80	82	82	821470	814170	<0.2	<0.2	1.0	1.0				
						1.0	0.2	182	19.2	19.2	7.8	7.8	29.1	29.1	97.3	97.3	7.6	7.6	8.5	8.5	4	5	80	80	82	82	821470	814170	<0.2	<0.2	1.3	1.3				
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	82	821470	814170	<0.2	<0.2	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	82	821470	814170	<0.2	<0.2	-
					Bottom	4.1	0.2	159	19.2	19.2	7.8	7.8	29.1	29.1	99.3	99.3	7.7	7.7	8.6	8.6	4	4	85	85	84	84	82	82	821470	814170	<0.2	<0.2	1.0	1.0		
						4.1	0.2	173	19.2	19.2	7.8	7.8	29.1	29.1	99.3	99.3	7.7	7.7	8.6	8.6	5	5	84	84	84	84	82	82	821470	814170	<0.2	<0.2	1.0	1.0		
SR3	Cloudy	Moderate	14:22	9.2	Surface	1.0	0.4	219	19.4	19.4	7.9	7.9	27.9	27.9	96.7	96.7	7.5	7.5	6.4	6.4	4	4	-	-	-	-	822164	807572	-	-	-	-				
						1.0	0.5	238	19.4	19.4	7.9	7.9	27.9	27.9	96.6	96.6	7.5	7.5	6.4	6.4	4	4	-	-	-	-	822164	807572	-	-	-	-				
					Middle	4.6	0.4	213	19.2	19.2	7.8	7.8	28.3	28.3	95.6	95.6	7.5	7.5	8.3	8.3	4	4	-	-	-	-	-	-	822164	807572	-	-	-	-		
						4.6	0.4	224	19.2	19.2	7.8	7.8	28.3	28.3	95.6	95.6	7.5	7.5	8.3	8.3	5	5	-	-	-	-	-	-	822164	807572	-	-	-	-		
					Bottom	8.2	0.4	208	19.1	19.1	7.8	7.8	28.5	28.5	96.5	96.5	7.5	7.5	9.1	9.1	6	6	-	-	-	-	-	-	822164	807572	-	-	-	-		
						8.2	0.4	228	19.1	19.1	7.8	7.8	28.5	28.5	96.5	96.5	7.5	7.5	9.1	9.1	5	5	-	-	-	-	-	-	822164	807572	-	-	-	-		
SR4A	Sunny	Rough	15:13	8.4	Surface	1.0	0.3	229	16.1	16.1	7.6	7.6	32.5	32.5	96.7	96.8	7.8	7.8	12.2	12.2	17	17	-	-	-	-	817178	807819	-	-	-	-				
						1.0	0.3	251	16.1	16.1	7.6	7.6	32.5	32.5	96.8	96.8	7.8	7.8	12.2	12.2	17	17	-	-	-	-	817178	807819	-	-	-	-				
					Middle	4.2	0.3	233	16.1	16.1	7.6	7.6	32.5	32.5	97.3	97.3	7.9	7.9	12.3	12.3	17	17	-	-	-	-	-	-	817178	807819	-	-	-	-		
						4.2	0.3	235	16.1	16.1	7.6	7.6	32.5	32.5	97.3	97.3	7.9	7.9	12.3	12.3	17	17	-	-	-	-	-	-	817178	807819	-	-	-	-		
					Bottom	7.4	0.3	228	16.0	16.0	7.6	7.6	32.5	32.5	98.9	98.9	8.0	8.0	12.0	12.0	18	18	-	-	-	-	-	-	817178	807819	-	-	-	-		
						7.4	0.3	246	16.0	16.0	7.6	7.6	32.5	32.5	98.9	98.9	8.0	8.0	12.0	12.0	18	18	-	-	-	-	-	-	817178	807819	-	-	-	-		
SR5A	Sunny	Moderate	15:33	5.6	Surface	1.0	0.3	223	16.1	16.1	7.6	7.6	32.5	32.5	98.2	98.2	7.9	7.9	9.4	9.4																

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

**Water Quality Monitoring Results on 07 February 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	Rough	10:14	7.8	Surface	1.0	0.8	209	15.3	15.3	7.8	7.8	32.8	32.8	96.5	96.5	7.9	7.9	11.3	11.3	14	14	83	83	815605	804265	83	804265	<0.2	<0.2	0.6	0.5
						1.0	0.8	210	15.3	7.8	7.8	32.8	32.8	96.5	96.5	7.9	7.9	11.3	11.3	14	14	83	83									
					Middle	3.9	0.7	206	15.3	7.8	7.8	32.8	32.8	96.3	96.3	7.9	7.9	11.6	11.6	17	17	83	83									
						3.9	0.8	220	15.3	7.8	7.8	32.8	32.8	96.3	96.3	7.9	7.9	11.6	11.6	15	15	83	83									
					Bottom	6.8	0.7	192	15.3	7.8	7.8	32.7	32.7	96.2	96.2	7.9	7.9	11.8	11.8	20	20	84	84									
						6.8	0.8	204	15.3	7.8	7.8	32.7	32.7	96.2	96.2	7.9	7.9	11.8	11.8	20	20	84	84									
C2	Cloudy	Rough	11:20	12.3	Surface	1.0	0.8	227	19.3	19.3	7.8	7.8	26.8	26.8	94.8	94.8	7.5	7.5	6.4	6.4	6	6	79	79	825681	806925	81	806925	<0.2	<0.2	1.6	1.8
						1.0	0.8	244	19.3	7.8	7.8	26.8	26.8	94.8	94.8	7.5	7.5	6.4	6.4	5	5	78	78									
					Middle	6.2	0.6	192	19.3	7.8	7.8	28.8	28.8	90.6	90.6	7.0	7.0	8.2	8.2	10	10	82	82									
						6.2	0.6	195	19.3	7.8	7.8	28.8	28.8	90.6	90.6	7.0	7.0	8.2	8.2	12	12	81	81									
					Bottom	11.3	0.5	160	19.3	7.8	7.8	28.9	28.9	91.0	91.0	7.1	7.1	8.3	8.3	11	11	84	84									
						11.3	0.5	168	19.3	7.8	7.8	28.9	28.9	91.0	91.0	7.1	7.1	8.3	8.3	11	11	84	84									
C3	Cloudy	Moderate	09:18	12.2	Surface	1.0	0.4	152	18.9	18.9	7.9	7.9	29.9	29.9	89.7	89.7	7.0	7.0	5.2	5.2	7	7	80	80	822118	817816	82	817816	<0.2	<0.2	0.7	1.0
						1.0	0.4	155	18.9	7.9	7.9	29.9	29.9	89.7	89.7	7.0	7.0	5.1	5.1	6	6	79	79									
					Middle	6.1	0.4	132	18.9	7.8	7.8	29.9	29.9	89.4	89.4	7.0	7.0	5.5	5.5	8	8	82	82									
						6.1	0.4	142	18.9	7.8	7.8	29.9	29.9	89.4	89.4	7.0	7.0	5.5	5.5	7	7	81	81									
					Bottom	11.2	0.5	125	18.9	7.8	7.8	30.0	30.0	89.8	89.8	7.0	7.0	5.4	5.4	10	10	83	83									
						11.2	0.6	133	18.9	7.8	7.8	30.0	30.0	89.8	89.8	7.0	7.0	5.4	5.4	10	10	84	84									
IM1	Cloudy	Rough	10:38	7.5	Surface	1.0	0.3	191	15.8	15.8	7.8	7.8	31.8	31.8	95.0	95.0	7.8	7.8	5.9	5.9	8	8	81	81	818348	806455	82	818348	<0.2	<0.2	1.2	1.1
						1.0	0.3	202	15.8	7.8	7.8	31.8	31.8	95.0	95.0	7.8	7.8	5.9	5.9	8	8	82	82									
					Middle	3.8	0.3	186	15.8	7.7	7.7	31.9	31.9	95.0	95.0	7.8	7.8	6.5	6.5	9	9	82	82									
						3.8	0.3	201	15.8	7.7	7.7	31.9	31.9	95.0	95.0	7.8	7.8	6.5	6.5	10	10	82	82									
					Bottom	6.5	0.3	168	15.7	7.7	7.7	31.9	31.9	95.7	95.8	7.8	7.8	6.4	6.4	10	10	83	83									
						6.5	0.3	174	15.7	7.7	7.7	31.9	31.9	95.8	95.8	7.8	7.8	6.4	6.4	10	10	83	83									
IM2	Cloudy	Rough	10:46	7.4	Surface	1.0	0.3	190	15.8	15.8	7.8	7.8	31.9	31.9	95.2	95.2	7.8	7.8	5.9	5.9	10	10	80	80	818855	806173	82	818855	<0.2	<0.2	1.1	1.0
						1.0	0.3	208	15.8	7.8	7.8	31.9	31.9	95.2	95.2	7.8	7.8	5.9	5.9	11	11	81	81									
					Middle	3.7	0.3	184	15.8	7.8	7.8	31.9	31.9	95.5	95.5	7.8	7.8	6.0	6.0	10	10	82	82									
						3.7	0.3	197	15.8	7.8	7.8	31.9	31.9	95.5	95.5	7.8	7.8	6.0	6.0	9	9	82	82									
					Bottom	6.4	0.2	178	15.7	7.8	7.8	31.9	31.9	96.1	96.2	7.8	7.8	6.4	6.4	11	11	84	84									
						6.4	0.3	180	15.7	7.8	7.8	31.9	31.9	96.2	96.2	7.9	7.9	6.4	6.4	10	10	83	83									
IM3	Cloudy	Rough	10:58	8.3	Surface	1.0	0.5	223	15.8	15.8	7.8	7.8	32.0	32.0	95.8	95.8	7.8	7.8	6.3	6.3	9	9	82	82	819425	806000	83	819425	<0.2	<0.2	1.1	1.1
						1.0	0.5	227	15.8	7.8	7.8	32.0	32.0	95.8	95.8	7.8	7.8	6.2	6.2	10	10	82	82									
					Middle	4.2	0.4	219	15.8	7.8	7.8	32.0	32.0	96.1	96.1	7.8	7.8	6.5	6.5	11	11	83	83									
						4.2	0.5	226	15.8	7.8	7.8	32.0	32.0	96.1	96.1	7.8	7.8	6.5	6.5	10	10	83	83									
					Bottom	7.3	0.5	204	15.8	7.8	7.8	32.0	32.0	97.0	97.0	7.9	7.9	6.9	6.9	12	12	84	84									
						7.3	0.5	216	15.8	7.8	7.8	31.9	31.9	97.0	97.0	7.9	7.9	6.8	6.8	12	12	84	84									
IM4	Cloudy	Rough	11:06	7.8	Surface	1.0	0.8	223	15.8	15.8	7.8	7.8	32.1	32.1	96.6	96.6	7.9	7.9	9.6	9.6	14	14	82	82	819565	805031	83	819565	<0.2	<0.2	0.9	1.0
						1.0	0.8	226	15.8	7.8	7.8	32.1	32.1	96.6	96.6	7.9	7.9	9.6	9.6	13	13	82	82									
					Middle	3.9	0.8	219	15.8	7.8	7.8	32.1	32.1	96.8	96.8	7.9	7.9	9.8	9.8	14	14	83	83									
						3.9	0.8	223	15.8	7.8	7.8	32.1	32.1	96.8	96.8	7.9	7.9	9.9	9.9	15	15	83	83									
					Bottom	6.8	1.1	211	15.8	7.8	7.8	32.0	32.0	97.2	97.2	7.9	7.9	10.0	10.0	14	14	84	84									
						6.8	1.1	224	15.8	7.8	7.8	32.0	32.0	97.2	97.2	7.9	7.9	10.0	10.0	15	15	84	84									
IM5	Cloudy	Rough	11:14	7.0	Surface	1.0	0.7	214	16.0	16.0	7.7	7.7	31.5	31.5	96.2	96.2	7.8	7.8	5.5	5.5	11	11	80	80	820568	804919	81	820568	<0.2	<0.2	1.3	1.1
						1.0	0.7	228	16.0	7.7	7.7	31.5	31.5	96.2	96.2	7.8	7.8	5.5	5.5	10	10	81	81									
					Middle	3.5	0.6	223	16.0	7.7	7.7	31.5	31.5	96.6	96.6	7.9	7.9	6.0	6.0	11	11	81	81									
						3.5	0.6	237	16.0	7.7	7.7	31.5	31.5	96.6	96.6	7.9	7.9	6.1	6.1	10	10	81	81									
					Bottom	6.0	0.6	202	15.9	7.7	7.7	31.6	31.6	97.6	97.6	8.0	8.0	8.1	8.1	12	12	82	82									
						6.0	0.6	222	15.9	7.7	7.7	31.6	31.6	97.6	97.6	8.0	8.0	8.1	8.1	11	11	82	82									
IM6	Cloudy	Rough	11:24	6.8	Surface	1.0	0.8	206	16.3	16.3	7.7	7.7	30.8	30.8	95.2	95.3	7.8	7.8	4.5	4.5	9	9	82	82	821059	805840	83	821059	<0.2	<0.2	1.3	1.3
						1.0	0.9	214	16.3	7.7	7.7	30.8	30.8	95.3	95.3	7.8	7.8	4.5	4.5	8	8	82	82									
					Middle	3.4	0.7	197	16.2	7.7	7.7	30.9	30.9	95.9	96.0	7.8	7.8	5.7	5.7	9	9	83	83									
						3.4	0.7	208	16.2	7.7	7.7	30.9	30.9	96.0	96.0	7.8	7.8	5.7	5.7	8	8	83	83									
					Bottom	5.8	0.8	188	16.0	7.7	7.7	31.5	31.5	97.3	97.3	7.9	7.9	5.9	5.9	10	10	84	84									
						5.8	0.8	195	16.0	7.7	7.7	31.5	31.5	97.3	97.3	7.9	7.9	5.8	5.8	10	10	84	84									
IM7	Cloudy	Rough	11:33	7.6	Surface	1.0	0.4	226	16.3	16.3	7.7	7.7	30.8	30.8	95.7	95.8	7.8	7.8	3.6	3.6	8	8	83	83	821344	806816	84	821344	<0.2	<0.2	1.4	1.3
						1.0	0.4	234	16.3	7.7	7.7	30.8	30.8	95.8	95.8	7.8	7.8	3.6	3.6	7	7	83	83									
					Middle	3.8	0.4	210	16.2	7.7	7.7	31.0	31.1	96.5	96.5	7.8	7.8	4.8	4.8	8	8	84	84									
						3.8	0.4	211	16.2	7.7	7.7	31.1	31.1	96.5	96.5	7.8	7.8	4.9	4.9	8	8											

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

**Water Quality Monitoring Results on 07 February 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	Rough	10:37	7.1	Surface	1.0	0.6	200	19.2	19.2	7.9	7.9	28.3	28.3	95.6	95.6	7.5	7.4	7.4	5	79	82	82	82	822080	808800	<0.2	<0.2	1.3	1.3		
						1.0	0.6	214	19.2	7.9	7.9	28.3	28.3	95.6	95.6	7.5	7.4	7.4	5	78	82	82	82	82	82	822080	808800	<0.2	<0.2	1.2	1.3	
					Middle	3.6	0.7	191	19.2	7.9	7.9	28.3	28.3	95.6	95.6	7.5	7.6	7.6	8.6	6	82	82	6	82	82	82	822080	808800	<0.2	<0.2	1.2	1.4
						3.6	0.8	191	19.2	7.9	7.9	28.3	28.3	95.6	95.6	7.5	7.6	7.6	8.6	5	82	82	6	84	84	84	822080	808800	<0.2	<0.2	1.4	1.4
					Bottom	6.1	0.7	186	19.1	7.8	7.8	28.6	28.6	96.8	96.8	7.6	10.7	10.7	7.6	8	84	84	6	84	84	84	822080	808800	<0.2	<0.2	1.2	1.2
						6.1	0.8	189	19.1	7.8	7.8	28.6	28.6	96.8	96.8	7.6	10.7	10.7	7.6	6	84	84	6	84	84	84	822080	808800	<0.2	<0.2	1.2	1.2
IM10	Cloudy	Rough	10:29	7.5	Surface	1.0	0.9	195	19.2	19.2	7.9	7.9	28.4	28.4	96.1	96.1	7.5	6.8	6.8	5	79	82	82	82	822226	809847	<0.2	<0.2	1.2	1.2		
						1.0	0.9	206	19.2	7.9	7.9	28.4	28.4	96.1	96.1	7.5	6.8	6.8	8.2	4	78	82	5	82	82	82	822226	809847	<0.2	<0.2	1.2	1.2
					Middle	3.8	0.9	188	19.1	7.9	7.9	28.5	28.5	95.3	95.3	7.5	8.3	8.3	8.2	3	82	82	5	82	82	82	822226	809847	<0.2	<0.2	1.2	1.2
						3.8	0.9	194	19.1	7.9	7.9	28.5	28.5	95.3	95.3	7.5	8.4	8.4	8.2	5	82	82	5	84	84	84	822226	809847	<0.2	<0.2	1.2	1.2
					Bottom	6.5	1.1	189	19.1	7.9	7.9	28.7	28.7	95.9	95.9	7.5	9.5	9.5	7.5	6	84	84	6	84	84	84	822226	809847	<0.2	<0.2	1.2	1.2
						6.5	1.2	206	19.1	7.9	7.9	28.7	28.7	95.9	95.9	7.5	9.5	9.5	7.5	4	84	84	4	84	84	84	822226	809847	<0.2	<0.2	1.0	1.0
IM11	Cloudy	Rough	10:20	8.9	Surface	1.0	0.8	189	19.1	19.1	7.8	7.8	28.9	28.9	94.5	94.5	7.4	8.5	8.5	7	77	81	81	81	821501	810539	<0.2	<0.2	1.0	1.0		
						1.0	0.9	198	19.1	7.8	7.8	28.9	28.9	94.5	94.5	7.4	8.5	8.5	9.0	7	77	81	7	81	81	81	821501	810539	<0.2	<0.2	1.1	1.1
					Middle	4.5	0.8	200	19.1	7.8	7.8	28.9	28.9	94.6	94.6	7.4	8.8	8.8	9.0	7	81	81	7	82	82	82	821501	810539	<0.2	<0.2	1.0	1.0
						4.5	0.9	209	19.1	7.8	7.8	28.9	28.9	94.6	94.6	7.4	8.8	8.8	9.0	7	82	82	7	84	84	84	821501	810539	<0.2	<0.2	1.1	1.1
					Bottom	7.9	0.8	183	19.1	7.8	7.8	29.0	29.0	95.4	95.4	7.4	9.7	9.7	7.4	6	84	84	8	84	84	84	821501	810539	<0.2	<0.2	1.0	1.0
						7.9	0.9	193	19.1	7.8	7.8	29.0	29.0	95.4	95.4	7.4	9.7	9.7	7.4	8	84	84	8	84	84	84	821501	810539	<0.2	<0.2	1.0	1.0
IM12	Cloudy	Rough	10:08	9.0	Surface	1.0	0.9	206	19.1	19.1	7.9	7.9	29.0	29.0	93.4	93.4	7.3	7.4	7.4	7	78	81	81	81	821177	811510	<0.2	<0.2	0.8	0.8		
						1.0	0.9	213	19.1	7.9	7.9	29.0	29.0	93.4	93.4	7.3	7.4	7.4	7.5	6	77	81	6	81	81	81	821177	811510	<0.2	<0.2	0.9	0.9
					Middle	4.5	0.8	165	19.1	7.8	7.8	29.0	29.0	93.3	93.3	7.3	7.4	7.4	7.5	7	81	81	6	82	82	82	821177	811510	<0.2	<0.2	1.1	1.1
						4.5	0.8	169	19.1	7.8	7.8	29.0	29.0	93.3	93.3	7.3	7.4	7.4	7.5	6	82	82	6	84	84	84	821177	811510	<0.2	<0.2	0.8	0.8
					Bottom	8.0	0.8	180	19.1	7.8	7.8	29.0	29.0	93.5	93.5	7.3	7.6	7.6	7.3	6	84	84	6	84	84	84	821177	811510	<0.2	<0.2	1.0	1.0
						8.0	0.9	181	19.1	7.8	7.8	29.0	29.0	93.5	93.5	7.3	7.6	7.6	7.3	6	84	84	6	84	84	84	821177	811510	<0.2	<0.2	1.1	1.1
SR2	Cloudy	Moderate	09:44	4.5	Surface	1.0	0.2	174	19.1	19.1	7.8	7.8	29.0	29.0	94.4	94.4	7.4	7.9	7.9	8	79	80	80	80	821445	814151	<0.2	<0.2	1.1	0.9		
						1.0	0.2	178	19.1	7.8	7.8	29.0	29.0	94.4	94.4	7.4	7.9	7.9	7.8	7	80	80	8	80	80	80	821445	814151	<0.2	<0.2	0.9	0.9
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821445	814151	<0.2	<0.2	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821445	814151	<0.2	<0.2	-	-
					Bottom	3.5	0.2	130	19.1	7.8	7.8	29.0	29.0	95.7	95.7	7.5	7.7	7.7	7.5	8	85	85	8	85	85	85	821445	814151	<0.2	<0.2	0.9	0.9
						3.5	0.2	130	19.1	7.8	7.8	29.0	29.0	95.7	95.7	7.5	7.7	7.7	7.5	7	84	84	7	84	84	84	821445	814151	<0.2	<0.2	1.1	1.1
SR3	Cloudy	Rough	10:52	9.0	Surface	1.0	0.9	225	19.4	19.4	7.8	7.8	27.5	27.5	95.7	95.7	7.5	6.6	6.6	5	-	-	-	-	822144	807587	-	-	-	-		
						1.0	1.0	244	19.4	7.8	7.8	27.5	27.5	95.7	95.7	7.5	6.6	6.6	7.5	7	-	-	-	-	-	-	822144	807587	-	-	-	-
					Middle	4.5	0.9	211	19.2	7.9	7.9	27.9	27.9	95.7	95.7	7.5	6.6	6.6	7.5	7	-	-	-	-	-	-	822144	807587	-	-	-	-
						4.5	1.0	212	19.2	7.9	7.9	27.9	27.9	95.7	95.7	7.5	6.6	6.6	7.5	7	-	-	-	-	-	-	822144	807587	-	-	-	-
					Bottom	8.0	0.8	215	19.1	7.9	7.9	28.3	28.3	95.6	95.6	7.5	6.8	6.8	7.5	8	-	-	-	-	-	-	822144	807587	-	-	-	-
						8.0	0.9	223	19.1	7.9	7.9	28.3	28.3	95.6	95.6	7.5	6.8	6.8	7.5	7	-	-	-	-	-	-	822144	807587	-	-	-	-
SR4A	Cloudy	Moderate	09:55	8.2	Surface	1.0	0.3	199	15.7	15.7	7.7	7.7	30.8	30.8	94.7	94.7	7.8	11.4	11.4	10	-	-	-	-	817185	807825	-	-	-	-		
						1.0	0.3	215	15.7	7.7	7.7	30.8	30.8	94.7	94.7	7.8	11.5	11.5	11.4	11	-	-	-	-	-	-	817185	807825	-	-	-	-
					Middle	4.1	0.3	186	15.7	7.7	7.7	30.8	30.8	94.8	94.8	7.8	11.7	11.7	11.4	11	-	-	-	-	-	-	817185	807825	-	-	-	-
						4.1	0.3	201	15.7	7.7	7.7	30.8	30.8	94.8	94.8	7.8	11.7	11.7	11.4	11	-	-	-	-	-	-	817185	807825	-	-	-	-
					Bottom	7.2	0.3	160	15.7	7.8	7.8	30.8	30.8	94.9	95.0	7.8	11.1	11.1	11.4	11	-	-	-	-	-	-	817185	807825	-	-	-	-
						7.2	0.3	163	15.7	7.8	7.8	30.8	30.8	95.0	95.0	7.8	11.2	11.2	11.4	12	-	-	-	-	-	-	817185	807825	-	-	-	-
SR5A	Cloudy	Moderate	09:37	4.5	Surface	1.0	0.2	208	15.9	15.9	7.7	7.7	29.8	29.8	94.4	94.4	7.8	8.2	8.2	8	-	-	-	-	816604	810703	-	-	-	-		
						1.0	0.2	210	15.9	7.7	7.7	29.8	29.8	94.4	94.4	7.8	8.2	8.2	8.2	6	-	-	-	-	-	-	816604	810703	-	-	-	-
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816604	810703	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816604	810703	-	-	-	-
					Bottom																											

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

**Water Quality Monitoring Results on 09 February 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	Rough	16:50	6.7	Surface	1.0	0.6	88	15.6	7.6	7.6	30.4	30.4	99.5	99.5	8.2	8.3	11.2	11.4	13	14	83	84	815618	804239	<0.2	<0.2	0.9	1.1			
						1.0	0.6	95	15.6	7.6	7.6	30.4	30.4	99.5	99.5	8.2	8.3	11.2	11.4	14	14	83	84	<0.2	<0.2	1.0	1.0					
					Middle	3.4	0.6	78	15.6	7.6	7.6	30.2	30.2	100.1	100.1	8.3	8.3	11.2	11.4	13	14	84	84	<0.2	<0.2	0.9	0.9					
						3.4	0.7	84	15.6	7.6	7.6	30.2	30.2	100.1	100.1	8.3	8.3	11.2	11.4	13	14	84	84	<0.2	<0.2	0.9	0.9					
					Bottom	5.7	0.6	90	15.6	7.6	7.6	29.8	29.8	100.9	101.0	8.4	8.4	11.7	11.7	14	13	85	85	<0.2	<0.2	0.9	1.2					
						5.7	0.6	90	15.6	7.6	7.6	29.8	29.8	101.0	101.0	8.4	8.4	11.7	11.7	13	13	85	85	<0.2	<0.2	0.9	1.2					
C2	Cloudy	Rough	15:45	11.7	Surface	1.0	0.7	180	19.0	7.9	7.9	27.8	27.8	97.8	97.8	7.7	7.7	5.8	6.3	7	7	76	75	825674	806925	<0.2	<0.2	1.3	1.1			
						1.0	0.7	187	19.0	7.9	7.9	27.8	27.8	97.8	97.8	7.7	7.7	5.9	6.3	7	7	75	81	<0.2	<0.2	1.1	1.2					
					Middle	5.9	0.5	188	18.9	7.9	7.9	28.1	28.1	96.4	96.4	7.6	7.6	6.1	6.1	8	6	81	81	<0.2	<0.2	1.2	1.2					
						5.9	0.5	199	18.9	7.9	7.9	28.1	28.1	96.4	96.4	7.6	7.6	6.1	6.1	6	6	81	81	<0.2	<0.2	1.2	1.2					
					Bottom	10.7	0.5	157	18.8	7.9	7.9	29.2	29.2	97.7	97.8	7.6	7.6	7.0	7.7	6	6	84	84	<0.2	<0.2	1.0	1.0					
						10.7	0.5	158	18.8	7.9	7.9	29.2	29.2	97.8	97.8	7.7	7.7	7.0	7.7	6	6	84	84	<0.2	<0.2	1.0	1.0					
C3	Cloudy	Moderate	17:34	11.4	Surface	1.0	0.6	256	18.9	7.9	7.9	29.6	29.6	95.4	95.4	7.4	7.4	5.2	7.5	5	6	79	80	822096	817819	<0.2	<0.2	0.3	0.3			
						1.0	0.6	270	18.9	7.9	7.9	29.6	29.6	95.4	95.4	7.4	7.4	5.2	7.5	7	6	80	82	<0.2	<0.2	0.6	0.6					
					Middle	5.7	0.5	266	18.8	7.9	7.9	29.8	29.8	94.3	94.3	7.4	7.4	6.8	6.8	5	6	82	81	<0.2	<0.2	0.6	0.6					
						5.7	0.6	283	18.8	7.9	7.9	29.8	29.8	94.3	94.3	7.4	7.4	6.8	6.8	6	6	81	84	<0.2	<0.2	0.6	0.6					
					Bottom	10.4	0.4	264	18.7	7.9	7.9	30.0	30.0	95.9	95.9	7.5	7.5	10.4	7.5	6	7	84	85	<0.2	<0.2	0.6	0.6					
						10.4	0.4	264	18.7	7.9	7.9	30.0	30.0	95.9	95.9	7.5	7.5	10.4	7.5	7	7	85	85	<0.2	<0.2	0.6	0.6					
IM1	Sunny	Rough	16:32	6.8	Surface	1.0	0.5	144	15.8	7.6	7.6	30.3	30.3	100.6	100.6	8.3	8.3	4.7	6.1	5	6	83	83	818332	806461	<0.2	<0.2	0.9	0.9			
						1.0	0.5	152	15.8	7.6	7.6	30.3	30.3	100.6	100.6	8.3	8.3	4.7	6.1	5	6	83	84	<0.2	<0.2	1.0	0.8					
					Middle	3.4	0.5	133	15.7	7.6	7.6	30.3	30.3	100.9	100.9	8.3	8.3	6.1	6.1	5	6	83	84	<0.2	<0.2	1.0	0.8					
						3.4	0.6	134	15.7	7.6	7.6	30.3	30.3	100.9	100.9	8.3	8.3	6.1	6.1	5	6	84	84	<0.2	<0.2	0.8	0.8					
					Bottom	5.8	0.6	138	15.6	7.6	7.6	30.1	30.1	103.1	103.2	8.5	8.5	7.5	7.4	8	7	84	85	<0.2	<0.2	0.8	0.8					
						5.8	0.7	141	15.6	7.6	7.6	30.1	30.1	103.2	103.2	8.5	8.5	7.4	7.4	7	7	85	85	<0.2	<0.2	0.8	0.8					
IM2	Sunny	Rough	16:24	8.2	Surface	1.0	0.6	156	15.8	7.6	7.6	30.4	30.4	100.0	100.1	8.2	8.3	5.9	5.8	7	6	81	81	818845	806203	<0.2	<0.2	1.3	1.1			
						1.0	0.7	167	15.8	7.6	7.6	30.4	30.4	100.1	100.1	8.3	8.3	6.0	5.8	6	6	81	82	<0.2	<0.2	1.4	1.0					
					Middle	4.1	0.6	162	15.8	7.6	7.6	30.3	30.3	100.1	100.1	8.3	8.3	5.4	5.5	6	6	82	81	<0.2	<0.2	1.0	1.1					
						4.1	0.6	165	15.8	7.6	7.6	30.3	30.3	100.1	100.1	8.3	8.3	5.5	5.5	6	6	81	82	<0.2	<0.2	1.1	1.0					
					Bottom	7.2	0.5	158	15.7	7.6	7.6	28.9	28.9	105.0	105.0	8.7	8.7	5.8	5.9	7	6	82	82	<0.2	<0.2	1.0	1.0					
						7.2	0.5	169	15.7	7.5	7.6	28.9	28.9	105.0	105.0	8.7	8.7	5.9	5.9	6	6	82	82	<0.2	<0.2	1.0	1.0					
IM3	Sunny	Rough	16:17	8.4	Surface	1.0	0.6	164	15.8	7.6	7.6	29.8	29.8	100.6	100.7	8.3	8.4	6.1	6.3	7	7	80	80	819415	806012	<0.2	<0.2	1.1	1.1			
						1.0	0.6	178	15.8	7.6	7.6	29.7	29.8	100.7	100.7	8.3	8.4	6.1	6.3	6	7	80	81	<0.2	<0.2	1.2	1.0					
					Middle	4.2	0.6	166	15.8	7.6	7.6	29.6	29.6	101.4	101.5	8.4	8.4	6.6	6.6	7	7	81	81	<0.2	<0.2	1.2	1.1					
						4.2	0.7	181	15.7	7.6	7.6	29.6	29.6	101.5	101.5	8.4	8.4	6.6	6.6	7	7	81	81	<0.2	<0.2	1.0	1.1					
					Bottom	7.4	0.5	166	15.7	7.6	7.6	29.3	29.3	103.5	103.5	8.6	8.6	6.1	6.2	7	7	81	82	<0.2	<0.2	1.1	1.2					
						7.4	0.5	174	15.7	7.6	7.6	29.3	29.3	103.5	103.5	8.6	8.6	6.2	6.2	7	7	82	82	<0.2	<0.2	1.1	1.2					
IM4	Sunny	Rough	16:08	7.3	Surface	1.0	0.6	155	15.8	7.6	7.6	29.8	29.8	99.9	99.9	8.3	8.4	7.7	8.1	9	9	81	80	819557	805038	<0.2	<0.2	1.2	1.0			
						1.0	0.7	158	15.8	7.6	7.6	29.7	29.8	99.9	99.9	8.3	8.4	7.7	8.1	10	9	80	81	<0.2	<0.2	1.2	1.1					
					Middle	3.7	0.6	158	15.8	7.6	7.6	29.5	29.5	101.1	101.1	8.4	8.4	8.0	8.0	8	8	81	81	<0.2	<0.2	0.9	1.0					
						3.7	0.7	158	15.8	7.6	7.6	29.5	29.5	101.1	101.1	8.4	8.4	8.0	8.0	8	8	81	82	<0.2	<0.2	1.1	1.0					
					Bottom	6.3	0.6	155	15.7	7.5	7.5	28.9	28.9	104.4	104.4	8.7	8.7	8.6	8.5	8	8	82	82	<0.2	<0.2	1.0	0.8					
						6.3	0.6	163	15.7	7.5	7.5	28.8	28.9	104.4	104.4	8.7	8.7	8.5	8.5	8	8	82	82	<0.2	<0.2	0.8	0.8					
IM5	Sunny	Rough	16:01	6.8	Surface	1.0	0.5	138	15.8	7.6	7.6	29.4	29.4	98.2	98.3	8.1	8.1	10.5	11.7	12	11	79	80	820559	804912	<0.2	<0.2	1.2	1.2			
						1.0	0.5	150	15.8	7.6	7.6	29.4	29.4	98.3	98.3	8.1	8.1	10.5	11.7	11	11	80	80	<0.2	<0.2	1.0	0.9					
					Middle	3.4	0.5	139	15.8	7.6	7.6	29.3	29.3	97.7	97.7	8.1	8.1	11.6	11.7	11	10	80	81	<0.2	<0.2	0.9	1.0					
						3.4	0.5	139	15.7	7.6	7.6	29.3	29.3	97.7	97.7	8.1	8.1	11.7	11.7	10	11	81	81	<0.2	<0.2	1.0	1.5					
					Bottom	5.8	0.6	138	15.6	7.6	7.6	29.9	29.9	97.9	98.0	8.1	8.1	13.0	12.9	11	11	81	81	<0.2	<0.2	1.5	1.4					
						5.8	0.6	144	15.6	7.6	7.6	29.8	29.8	98.0	98.0	8.1	8.1	12.9	12.9	11	11	81	81	<0.2	<0.2	1.4	1.4					
IM6	Sunny	Rough	15:51	6.7	Surface	1.0	0.6	112	15.9	7.6	7.6	28.4	28.4	98.5	98.5	8.2	8.4	11.4	12.7	11	12	80	80	821047	805844	<0.2	<0.2	1.5	1.4			
						1.0	0.6	114	15.9	7.6	7.6	28.4	28.4	98.5	98.5	8.2	8.4	11.4	12.7	10	12	80	81	<0.2	<0.2	1.6	1.2					
					Middle	3.4	0.5	121	15.8	7.5	7.5	27.5	27.5	102.1	102.1	8.5																



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

**Water Quality Monitoring Results on 09 February 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	Rough	16:19	7.3	Surface	1.0	0.7	185	18.9	18.9	7.9	7.9	27.2	27.2	100.0	100.0	7.9	8.0	6.9	7.6	6	6	78	81	822099	808813	<0.2	<0.2	1.3	1.4			
						1.0	0.8	199	18.9	18.9	7.9	7.9	27.2	27.2	100.0	100.0	7.9	8.0	6.9	7.6	4	6	78	81	822099	808813	<0.2	<0.2	1.5	1.4			
					Middle	3.7	0.6	200	18.9	18.9	7.9	7.9	27.2	27.2	101.2	101.2	8.0	8.5	7.6	7.6	6	6	82	81	822099	808813	<0.2	<0.2	1.3	1.4			
						3.7	0.6	202	18.9	18.9	7.9	7.9	27.2	27.2	101.2	101.2	8.0	8.5	7.6	7.6	5	6	81	81	822099	808813	<0.2	<0.2	1.3	1.4			
					Bottom	6.3	0.6	233	18.9	18.9	7.8	7.8	27.4	27.4	106.9	106.9	8.5	8.5	8.3	8.3	8	8	83	84	822099	808813	<0.2	<0.2	1.4	1.3			
						6.3	0.7	252	18.9	18.9	7.8	7.8	27.4	27.4	106.9	106.9	8.5	8.5	8.3	8.3	7	7	84	84	822099	808813	<0.2	<0.2	1.3	1.3			
IM10	Cloudy	Rough	16:26	8.0	Surface	1.0	0.6	199	18.9	18.9	7.9	7.9	27.6	27.6	100.0	100.0	7.9	8.0	6.8	9.7	7	8	77	81	822258	809840	<0.2	<0.2	1.6	1.4			
						1.0	0.6	206	18.9	18.9	7.9	7.9	27.6	27.6	100.0	100.0	7.9	8.0	6.8	9.7	5	8	78	81	822258	809840	<0.2	<0.2	1.5	1.4			
					Middle	4.0	0.5	198	18.8	18.8	7.9	7.9	27.8	27.8	100.8	100.8	8.0	8.2	9.5	9.7	6	8	82	81	822258	809840	<0.2	<0.2	1.6	1.4			
						4.0	0.5	216	18.8	18.8	7.9	7.9	27.8	27.8	100.8	100.8	8.0	8.2	9.5	9.7	5	8	81	81	822258	809840	<0.2	<0.2	1.3	1.4			
					Bottom	7.0	0.6	219	18.7	18.7	7.9	7.9	28.2	28.2	104.3	104.3	8.2	8.2	12.9	12.9	12	12	83	84	822258	809840	<0.2	<0.2	1.1	1.3			
						7.0	0.6	224	18.7	18.7	7.9	7.9	28.2	28.2	104.3	104.3	8.2	8.2	12.9	12.9	12	12	84	84	822258	809840	<0.2	<0.2	1.1	1.3			
IM11	Cloudy	Rough	16:33	8.2	Surface	1.0	0.5	191	18.8	18.8	7.9	7.9	28.2	28.2	100.4	100.4	7.9	7.9	8.1	8.5	8	8	78	81	821509	810544	<0.2	<0.2	1.0	1.2			
						1.0	0.5	191	18.8	18.8	7.9	7.9	28.2	28.2	100.4	100.4	7.9	7.9	8.1	8.5	7	8	78	81	821509	810544	<0.2	<0.2	1.1	1.2			
					Middle	4.1	0.6	202	18.8	18.8	7.9	7.9	28.2	28.2	100.3	100.3	7.9	8.0	9.3	8.5	7	8	82	81	821509	810544	<0.2	<0.2	1.3	1.2			
						4.1	0.6	214	18.8	18.8	7.9	7.9	28.2	28.2	100.3	100.3	7.9	8.0	9.3	8.5	8	8	82	81	821509	810544	<0.2	<0.2	1.1	1.2			
					Bottom	7.2	0.6	217	18.7	18.7	8.0	8.0	28.3	28.3	101.3	101.4	8.0	8.0	8.0	8.0	8	8	83	84	821509	810544	<0.2	<0.2	1.1	1.3			
						7.2	0.6	231	18.7	18.7	8.0	8.0	28.3	28.3	101.4	101.4	8.0	8.0	7.9	8.0	10	10	84	84	821509	810544	<0.2	<0.2	1.1	1.3			
IM12	Cloudy	Rough	16:41	8.8	Surface	1.0	0.7	224	18.9	18.9	7.9	7.9	28.4	28.4	98.3	98.3	7.7	7.7	6.9	9.7	5	6	77	81	821143	811523	<0.2	<0.2	1.2	1.2			
						1.0	0.8	240	18.9	18.9	7.9	7.9	28.4	28.4	98.3	98.3	7.7	7.7	6.9	9.7	7	6	77	81	821143	811523	<0.2	<0.2	1.1	1.2			
					Middle	4.4	0.8	242	18.9	18.9	7.9	7.9	28.4	28.4	97.0	97.0	7.6	7.5	8.1	7.5	6	6	81	81	821143	811523	<0.2	<0.2	1.2	1.2			
						4.4	0.8	261	18.9	18.9	7.9	7.9	28.4	28.4	97.0	97.0	7.6	7.5	8.1	7.5	5	6	82	81	821143	811523	<0.2	<0.2	1.3	1.2			
					Bottom	7.8	0.7	255	18.8	18.8	7.9	7.9	29.2	29.2	95.8	95.8	7.5	7.5	14.1	7.5	5	5	83	84	821143	811523	<0.2	<0.2	1.1	1.0			
						7.8	0.7	266	18.8	18.8	7.9	7.9	29.2	29.2	95.8	95.8	7.5	7.5	14.1	7.5	5	5	84	84	821143	811523	<0.2	<0.2	1.1	1.0			
SR2	Cloudy	Moderate	17:09	3.8	Surface	1.0	0.2	165	19.0	19.0	7.9	7.9	28.8	28.8	98.6	98.6	7.7	7.7	6.8	7.7	6	6	78	81	821475	814167	<0.2	<0.2	0.8	0.7			
						1.0	0.2	167	19.0	19.0	7.9	7.9	28.8	28.8	98.6	98.6	7.7	7.7	6.8	7.7	7	6	79	81	821475	814167	<0.2	<0.2	0.6	0.7			
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	2.8	0.2	144	18.9	18.9	7.9	7.9	29.0	29.0	100.9	100.9	7.9	7.9	8.6	7.9	5	6	84	84	821475	814167	<0.2	<0.2	0.6	0.7			
						2.8	0.3	150	18.9	18.9	7.9	7.9	29.0	29.0	100.9	100.9	7.9	7.9	8.6	7.9	6	6	84	84	821475	814167	<0.2	<0.2	0.7	0.7			
SR3	Cloudy	Rough	16:06	8.9	Surface	1.0	0.5	177	18.9	18.9	7.9	7.9	27.4	27.4	99.2	99.2	7.8	7.9	8.1	8.3	8	7	-	-	822136	807567	-	-	-	-			
						1.0	0.5	183	18.9	18.9	7.9	7.9	27.4	27.4	99.2	99.2	7.8	7.9	8.1	8.3	7	7	-	-	822136	807567	-	-	-	-			
					Middle	4.5	0.5	188	18.9	18.9	7.9	7.9	27.5	27.5	99.7	99.7	7.9	7.9	8.3	8.3	8	7	-	-	-	-	822136	807567	-	-	-	-	
						4.5	0.5	197	18.9	18.9	7.9	7.9	27.5	27.5	99.7	99.7	7.9	7.9	8.3	8.3	7	7	-	-	-	-	822136	807567	-	-	-	-	
					Bottom	7.9	0.5	196	18.8	18.8	7.9	7.9	27.6	27.6	100.4	100.4	7.9	7.9	8.4	8.4	6	6	-	-	-	-	822136	807567	-	-	-	-	
						7.9	0.5	199	18.8	18.8	7.9	7.9	27.6	27.6	100.4	100.4	7.9	7.9	8.4	8.4	8	8	-	-	-	-	822136	807567	-	-	-	-	
SR4A	Sunny	Moderate	17:10	9.1	Surface	1.0	0.4	222	15.6	15.6	7.5	7.5	30.3	30.3	98.3	98.3	8.1	8.2	13.3	14.1	12	13	-	-	817186	807813	-	-	-	-			
						1.0	0.4	226	15.6	15.6	7.5	7.5	30.2	30.2	98.3	98.3	8.1	8.2	13.3	14.1	12	13	-	-	817186	807813	-	-	-	-			
					Middle	4.6	0.4	238	15.6	15.6	7.5	7.5	30.1	30.1	99.0	99.1	8.2	8.2	14.6	14.1	14	14	-	-	-	-	817186	807813	-	-	-	-	
						4.6	0.4	250	15.6	15.6	7.5	7.5	30.1	30.1	99.1	99.1	8.2	8.2	14.6	14.1	14	14	-	-	-	-	817186	807813	-	-	-	-	
					Bottom	8.1	0.5	241	15.5	15.5	7.5	7.5	29.5	29.5	100.8	100.8	8.4	8.4	14.3	14.3	14	14	-	-	-	-	817186	807813	-	-	-	-	
						8.1	0.5	250	15.5	15.5	7.5	7.5	29.5	29.5	100.8	100.8	8.4	8.4	14.3	14.3	12	12	-	-	-	-	817186	807813	-	-	-	-	
SR5A	Sunny	Moderate	17:27	5.2	Surface	1.0	0.3	238	15.8	15.8	7.5	7.5	29.6	29.6	101.7	101.8	8.4	8.4	8.4	8.7	7	7	-	-	816585	810700	-	-	-	-			
						1.0	0.3	254	15.8	15.8	7.5	7.5	29.6	29.6	101.8	101.8	8.4	8.4	8.4	8.7	8	7	-	-	816585	810700	-	-	-	-			
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	4.2	0.5	244	15.8	15.8	7.5	7.5	28.7	28.7	104.1	104.2	8.7	8.7	8.9														

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

**Water Quality Monitoring Results on 09 February 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	Rough	12:15	7.6	Surface	1.0	0.6	122	15.5	15.5	7.6	7.6	27.2	27.2	99.7	99.7	8.4	8.4	8.0	8.0	8	8	83	83	815609	804256	<0.2	<0.2	1.1	1.1	
						1.0	0.6	127	15.5	7.6	7.6	27.1	27.2	99.7	99.7	8.4	8.4	8	8	8	8	83	83	815609	804256	<0.2	<0.2	1.1	1.1		
					Middle	3.8	0.6	120	15.5	7.6	7.6	26.1	26.1	100.3	100.3	8.5	8.5	8.5	8.5	9.4	9.4	10	10	84	84	815609	804256	<0.2	<0.2	1.3	1.3
						3.8	0.6	128	15.5	7.6	7.6	26.1	26.1	100.3	100.3	8.5	8.5	8.6	8.6	9.4	9.4	10	10	84	84	815609	804256	<0.2	<0.2	1.2	1.2
					Bottom	6.6	0.6	122	15.4	7.5	7.5	24.7	24.7	102.6	102.7	8.8	8.8	11.6	11.6	8.8	8.8	11	11	84	84	815609	804256	<0.2	<0.2	1.0	1.0
						6.6	0.6	124	15.4	7.5	7.5	24.6	24.7	102.7	102.7	8.8	8.8	11.6	11.6	8.8	8.8	11	11	85	85	815609	804256	<0.2	<0.2	1.2	1.2
C2	Cloudy	Rough	13:35	11.6	Surface	1.0	0.7	166	18.9	18.9	7.9	7.9	27.7	27.7	97.1	97.1	7.7	7.7	7.0	7.0	8	8	77	77	825664	806963	<0.2	<0.2	1.6	1.6	
						1.0	0.8	170	18.9	7.9	7.9	27.7	27.7	97.1	97.1	7.7	7.7	7.0	7.0	7.1	7.1	9	9	76	76	825664	806963	<0.2	<0.2	1.3	1.3
					Middle	5.8	0.6	204	18.8	7.9	7.9	29.1	29.1	97.0	97.0	7.6	7.6	7.2	7.2	7.1	7.1	11	11	82	82	825664	806963	<0.2	<0.2	1.6	1.6
						5.8	0.6	219	18.8	7.9	7.9	29.1	29.1	97.0	97.0	7.6	7.6	7.2	7.2	7.1	7.1	9	9	81	81	825664	806963	<0.2	<0.2	1.6	1.6
					Bottom	10.6	0.6	204	18.8	7.9	7.9	29.3	29.3	101.5	101.5	7.9	7.9	7.1	7.1	7.9	7.9	9	9	84	84	825664	806963	<0.2	<0.2	0.8	0.8
						10.6	0.6	221	18.8	7.9	7.9	29.3	29.3	101.5	101.5	7.9	7.9	7.1	7.1	7.9	7.9	9	9	83	83	825664	806963	<0.2	<0.2	0.9	0.9
C3	Cloudy	Moderate	11:18	12.4	Surface	1.0	0.2	208	18.7	18.7	7.9	7.9	30.1	30.1	93.5	93.6	7.3	7.3	6.2	6.2	6	6	80	80	822099	817822	<0.2	<0.2	0.5	0.5	
						1.0	0.2	222	18.7	7.9	7.9	30.1	30.1	93.6	93.6	7.3	7.3	6.2	6.2	6.4	6.4	8	8	79	79	822099	817822	<0.2	<0.2	0.6	0.6
					Middle	6.2	0.2	204	18.6	7.9	7.9	30.1	30.1	95.1	95.2	7.4	7.4	6.5	6.5	6.4	6.4	9	9	81	81	822099	817822	<0.2	<0.2	0.6	0.6
						6.2	0.2	212	18.6	7.9	7.9	30.1	30.1	95.2	95.2	7.4	7.4	6.6	6.6	6.4	6.4	11	11	82	82	822099	817822	<0.2	<0.2	0.4	0.4
					Bottom	11.4	0.2	226	18.6	7.9	7.9	30.1	30.1	97.9	97.9	7.7	7.7	6.4	6.4	7.7	7.7	9	9	83	83	822099	817822	<0.2	<0.2	0.5	0.5
						11.4	0.2	234	18.6	7.9	7.9	30.1	30.1	97.9	97.9	7.7	7.7	6.4	6.4	7.7	7.7	8	8	84	84	822099	817822	<0.2	<0.2	0.5	0.5
IM1	Sunny	Rough	12:46	6.6	Surface	1.0	0.7	168	15.7	15.7	7.6	7.6	28.3	28.3	99.3	99.3	8.3	8.3	5.7	5.7	8	8	82	82	818362	806468	<0.2	<0.2	1.4	1.4	
						1.0	0.7	171	15.7	7.6	7.6	28.3	28.3	99.3	99.3	8.3	8.3	5.7	5.7	6	6	82	82	818362	806468	<0.2	<0.2	1.1	1.1		
					Middle	3.3	0.7	166	15.6	7.6	7.6	27.3	27.3	100.4	100.4	8.5	8.5	6.4	6.4	7.0	7.0	9	9	82	82	818362	806468	<0.2	<0.2	1.1	1.1
						3.3	0.7	169	15.6	7.6	7.6	27.3	27.3	100.4	100.4	8.5	8.5	6.5	6.5	7.0	7.0	10	10	83	83	818362	806468	<0.2	<0.2	1.2	1.2
					Bottom	5.6	0.7	170	15.5	7.5	7.5	25.6	25.6	103.0	103.0	8.8	8.8	8.8	8.8	8.8	8.8	12	12	83	83	818362	806468	<0.2	<0.2	1.0	1.0
						5.6	0.8	180	15.5	7.5	7.5	25.5	25.6	103.0	103.0	8.8	8.8	8.6	8.6	8.8	8.8	10	10	83	83	818362	806468	<0.2	<0.2	1.2	1.2
IM2	Sunny	Rough	12:59	8.2	Surface	1.0	0.7	177	15.8	15.8	7.6	7.6	28.4	28.4	100.3	100.3	8.4	8.4	4.7	4.7	6	6	82	82	818848	806187	<0.2	<0.2	1.0	1.0	
						1.0	0.7	191	15.8	7.6	7.6	28.4	28.4	100.3	100.3	8.4	8.4	4.8	4.8	6.4	6.4	7	7	82	82	818848	806187	<0.2	<0.2	1.0	1.0
					Middle	4.1	0.7	178	15.7	7.6	7.6	27.9	27.9	101.6	101.7	8.5	8.5	6.6	6.6	6.4	6.4	6	6	83	83	818848	806187	<0.2	<0.2	0.9	0.9
						4.1	0.8	183	15.7	7.6	7.6	27.8	27.9	101.7	101.7	8.5	8.5	6.7	6.7	6.4	6.4	7	7	83	83	818848	806187	<0.2	<0.2	1.2	1.2
					Bottom	7.2	0.7	178	15.6	7.5	7.5	27.2	27.2	102.9	103.0	8.7	8.7	7.7	7.7	8.7	8.7	8	8	84	84	818848	806187	<0.2	<0.2	0.9	0.9
						7.2	0.8	188	15.6	7.5	7.5	27.2	27.2	103.0	103.0	8.7	8.7	7.7	7.7	8.7	8.7	9	9	83	83	818848	806187	<0.2	<0.2	1.2	1.2
IM3	Sunny	Rough	13:14	8.3	Surface	1.0	0.7	179	15.7	15.7	7.6	7.6	29.3	29.3	99.2	99.2	8.3	8.3	7.7	7.7	9	9	81	81	819396	806012	<0.2	<0.2	0.8	0.8	
						1.0	0.7	180	15.7	7.6	7.6	29.3	29.3	99.2	99.2	8.3	8.3	7.7	7.7	8.1	8.1	10	10	81	81	819396	806012	<0.2	<0.2	1.0	1.0
					Middle	4.2	0.7	180	15.6	7.6	7.6	28.7	28.7	99.9	99.9	8.3	8.3	7.9	7.9	8.1	8.1	9	9	82	82	819396	806012	<0.2	<0.2	1.0	1.0
						4.2	0.8	187	15.6	7.6	7.6	28.7	28.7	99.9	99.9	8.3	8.3	7.9	7.9	8.1	8.1	10	10	82	82	819396	806012	<0.2	<0.2	0.9	0.9
					Bottom	7.3	0.7	188	15.6	7.6	7.6	28.0	28.0	101.6	101.6	8.5	8.5	8.6	8.6	8.5	8.5	11	11	83	83	819396	806012	<0.2	<0.2	1.5	1.5
						7.3	0.8	203	15.6	7.6	7.6	28.0	28.0	101.6	101.6	8.5	8.5	8.6	8.6	8.5	8.5	10	10	83	83	819396	806012	<0.2	<0.2	1.6	1.6
IM4	Sunny	Rough	13:25	7.6	Surface	1.0	0.8	181	15.8	15.8	7.6	7.6	29.2	29.2	99.9	99.9	8.3	8.3	9.1	9.1	11	11	81	81	819579	805028	<0.2	<0.2	1.5	1.5	
						1.0	0.8	185	15.8	7.6	7.6	29.2	29.2	99.9	99.9	8.3	8.3	9.1	9.1	10.6	10.6	12	12	80	80	819579	805028	<0.2	<0.2	1.6	1.6
					Middle	3.8	0.8	180	15.8	7.6	7.6	28.9	28.9	100.6	100.7	8.4	8.4	9.8	9.8	10.6	10.6	11	11	81	81	819579	805028	<0.2	<0.2	1.4	1.4
						3.8	0.9	187	15.8	7.6	7.6	28.9	28.9	100.7	100.7	8.4	8.4	9.8	9.8	10.6	10.6	13	13	82	82	819579	805028	<0.2	<0.2	1.5	1.5
					Bottom	6.6	0.7	181	15.7	7.5	7.5	27.3	27.3	104.1	104.1	8.8	8.8	12.8	12.8	8.8	8.8	12	12	83	83	819579	805028	<0.2	<0.2	0.9	0.9
						6.6	0.8	194	15.7	7.5	7.5	27.3	27.3	104.1	104.1	8.8	8.8	12.8	12.8	8.8	8.8	12	12	83	83	819579	805028	<0.2	<0.2	1.2	1.2
IM5	Sunny	Rough	13:38	6.2	Surface	1.0	0.7	168	15.8	15.8	7.6	7.6	28.9	28.9	99.2	99.2	8.3	8.3	8.2	8.2	8	8	80	80	820545	804931	<0.2	<0.2	1.4	1.4	
						1.0	0.8	184	15.8	7.6	7.6	28.8	28.9	99.2	99.2	8.3	8.3	8.2	8.2	10.4	10.4	10	10	80	80	820545	804931	<0.2	<0.2	1.5	1.5
					Middle	3.1	0.8	171	15.8	7.6	7.6	28																			



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

**Water Quality Monitoring Results on 11 February 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	Rough	07:56	6.7	Surface	1.0	0.6	77	14.3	8.1	8.1	32.5	32.5	96.4	96.4	8.1	8.1	20.2	20.3	22	21	83	83	815629	804228	<0.2	<0.2	0.9	1.2			
						1.0	0.6	77	14.3	8.1	8.1	32.5	32.5	96.4	96.4	8.1	8.1	20.3	20.3	21	21	83	83									
					Middle	3.4	0.6	89	14.2	8.0	8.0	32.6	32.6	96.4	96.4	8.1	8.1	21.5	21.5	22	22	84	84							84	84	
						3.4	0.6	94	14.2	8.0	8.0	32.6	32.6	96.4	96.4	8.1	8.1	21.5	21.5	22	22	84	84							84	84	
					Bottom	5.7	0.5	76	14.1	8.0	8.0	32.6	32.6	96.3	96.3	8.1	8.1	22.1	22.1	28	28	84	84							84	84	
						5.7	0.5	76	14.1	8.0	8.0	32.6	32.6	96.3	96.3	8.1	8.1	22.2	22.2	27	27	85	85							85	85	
C2	Fine	Rough	08:46	12.6	Surface	1.0	0.5	234	17.9	7.8	7.8	28.7	28.7	94.8	94.8	7.6	7.6	12.5	12.4	15	14	75	76	825692	806928	<0.2	<0.2	1.1	1.0			
						1.0	0.5	237	17.9	7.8	7.8	28.7	28.7	94.8	94.8	7.6	7.6	12.4	12.4	14	14	76	76									
					Middle	6.3	0.6	252	17.9	7.8	7.8	28.7	28.7	95.8	95.8	7.7	7.7	15.8	15.8	15	15	78	78							78	78	
						6.3	0.6	270	17.9	7.8	7.8	28.7	28.7	95.8	95.8	7.7	7.7	15.9	15.9	15	15	80	80							80	80	
					Bottom	11.6	0.5	251	17.9	7.8	7.8	28.7	28.7	98.1	98.2	7.8	7.8	18.8	18.8	16	16	84	84							84	84	
						11.6	0.6	261	17.9	7.8	7.8	28.7	28.7	98.2	98.2	7.9	7.9	19.0	19.0	18	18	83	83							83	83	
C3	Cloudy	Moderate	06:58	12.2	Surface	1.0	0.5	235	17.9	7.9	7.9	30.0	30.0	93.4	93.4	7.4	7.4	12.6	12.6	14	15	77	76	822101	817785	<0.2	<0.2	0.7	0.9			
						1.0	0.6	244	17.9	7.9	7.9	30.0	30.0	93.4	93.4	7.4	7.4	12.6	12.6	15	15	76	76									
					Middle	6.1	0.6	244	17.9	7.9	7.9	30.0	30.0	93.2	93.2	7.4	7.4	15.2	15.2	17	17	79	79							79	79	
						6.1	0.6	251	17.9	7.9	7.9	30.0	30.0	93.2	93.2	7.4	7.4	15.4	15.4	17	17	80	80							80	80	
					Bottom	11.2	0.5	246	17.9	7.9	7.9	30.0	30.0	93.8	93.8	7.4	7.4	21.4	21.4	16	16	83	83							83	83	
						11.2	0.5	259	17.9	7.9	7.9	30.0	30.0	93.8	93.8	7.4	7.4	21.5	21.5	17	17	84	84							84	84	
IM1	Sunny	Rough	08:07	7.7	Surface	1.0	0.7	126	14.3	8.1	8.1	32.7	32.7	96.3	96.3	8.1	8.1	19.4	19.4	25	24	82	82	818351	806448	<0.2	<0.2	1.0	1.0			
						1.0	0.7	132	14.3	8.1	8.1	32.7	32.7	96.3	96.3	8.1	8.1	19.4	19.4	24	24	82	82									
					Middle	3.9	0.7	120	14.3	8.1	8.1	32.7	32.7	96.2	96.2	8.1	8.1	21.8	21.8	25	25	82	82							82	82	
						3.9	0.7	125	14.3	8.1	8.1	32.7	32.7	96.2	96.2	8.1	8.1	21.8	21.8	26	26	83	83							83	83	
					Bottom	6.7	0.7	111	14.3	8.1	8.1	32.6	32.6	96.2	96.2	8.1	8.1	23.1	23.1	25	25	83	83							83	83	
						6.7	0.7	115	14.3	8.1	8.1	32.6	32.6	96.2	96.2	8.1	8.1	23.1	23.1	23	23	83	83							83	83	
IM2	Sunny	Rough	08:17	8.8	Surface	1.0	0.7	118	14.1	8.0	8.0	32.9	32.9	96.9	96.9	8.1	8.1	16.2	16.2	19	19	82	82	818841	806187	<0.2	<0.2	1.2	1.2			
						1.0	0.7	122	14.1	8.0	8.0	32.9	32.9	96.9	96.9	8.1	8.1	16.2	16.2	19	19	82	82									
					Middle	4.4	0.7	131	14.1	8.0	8.0	32.9	32.9	96.8	96.8	8.1	8.1	20.1	20.1	23	23	83	83							83	83	
						4.4	0.7	133	14.1	8.0	8.0	32.9	32.9	96.8	96.8	8.1	8.1	20.1	20.1	24	24	83	83							83	83	
					Bottom	7.8	0.6	162	14.1	8.0	8.0	32.9	32.9	97.4	97.4	8.2	8.2	24.2	24.2	26	26	84	84							84	84	
						7.8	0.6	162	14.1	8.0	8.0	32.9	32.9	97.4	97.4	8.2	8.2	24.2	24.2	24	24	83	83							83	83	
IM3	Sunny	Rough	08:27	8.7	Surface	1.0	0.6	93	14.1	8.0	8.0	33.0	33.0	96.8	96.8	8.1	8.1	16.1	16.0	18	18	81	81	819405	806022	<0.2	<0.2	1.2	1.2			
						1.0	0.6	98	14.1	8.0	8.0	33.0	33.0	96.8	96.8	8.1	8.1	16.0	16.0	18	18	81	81									
					Middle	4.4	0.6	108	14.1	8.0	8.0	33.0	33.0	96.7	96.7	8.1	8.1	20.4	20.4	18	18	82	82							82	82	
						4.4	0.7	108	14.1	8.0	8.0	33.0	33.0	96.7	96.7	8.1	8.1	20.4	20.4	20	20	82	82							82	82	
					Bottom	7.7	0.5	136	14.1	8.0	8.0	33.0	33.0	96.9	96.9	8.1	8.1	23.0	23.0	23	23	83	83							83	83	
						7.7	0.5	137	14.1	8.0	8.0	33.0	33.0	96.8	96.8	8.1	8.1	23.1	23.1	24	24	83	83							83	83	
IM4	Sunny	Rough	08:35	7.9	Surface	1.0	0.9	129	14.2	8.0	8.0	32.9	32.9	97.1	97.1	8.1	8.1	19.0	19.0	20	19	81	80	819586	805037	<0.2	<0.2	0.8	0.8			
						1.0	0.9	141	14.2	8.0	8.0	32.9	32.9	97.1	97.1	8.1	8.1	19.0	19.0	19	19	80	80									
					Middle	4.0	0.9	113	14.1	8.0	8.0	32.9	32.9	97.1	97.2	8.1	8.1	21.4	21.4	18	18	81	81							81	81	
						4.0	0.9	117	14.1	8.0	8.0	32.9	32.9	97.2	97.2	8.1	8.1	21.4	21.4	18	18	82	82							82	82	
					Bottom	6.9	0.8	157	14.2	8.0	8.0	32.9	32.9	97.6	97.6	8.2	8.2	23.2	23.2	19	19	83	83							83	83	
						6.9	0.8	169	14.2	8.0	8.0	32.9	32.9	97.6	97.6	8.2	8.2	23.2	23.2	20	20	83	83							83	83	
IM5	Sunny	Rough	08:45	7.4	Surface	1.0	0.8	109	14.1	8.0	8.0	33.0	33.0	96.9	96.9	8.1	8.1	25.1	25.1	16	14	80	80	820552	804935	<0.2	<0.2	0.7	0.8			
						1.0	0.9	112	14.1	8.0	8.0	33.0	33.0	96.9	96.9	8.1	8.1	25.1	25.1	14	14	80	80									
					Middle	3.7	0.7	107	14.1	8.0	8.0	33.1	33.1	97.0	97.0	8.1	8.1	27.2	27.2	19	19	81	81							81	81	
						3.7	0.7	112	14.1	8.0	8.0	33.1	33.1	97.0	97.0	8.1	8.1	27.2	27.2	19	19	81	81							81	81	
					Bottom	6.4	0.7	149	14.1	8.0	8.0	33.1	33.1	97.3	97.4	8.1	8.1	30.0	30.0	24	24	82	82							82	82	
						6.4	0.8	160	14.1	8.0	8.0	33.1	33.1	97.4	97.4	8.1	8.1	30.1	30.1	23	23	82	82							82	82	
IM6	Sunny	Rough	08:52	7.4	Surface	1.0	0.7	121	14.3	7.9	7.9	33.3	33.3	96.2	96.2	8.0	8.0	21.8	21.8	16	15	82	82	821050	805835	<0.2	<0.2	0.9	0.8			
						1.0	0.8	131	14.3	7.9	7.9	33.3	33.3	96.2	96.2	8.0	8.0	21.8	21.8	15	15	82	82									
					Middle	3.7	0.7	124	14.3	7.9	7.9	33.3	33.3	96.0	96.0	8.0	8.0	24.7	24.7	19	19	83	83							83	83	
						3.7	0.7	131	14.3	7.9	7.9	33.3	33.3	96.0	96.0	8.0	8.0	24.7	24.7	20	20	84	84							84	84	
					Bottom	6.4	0.6	98	14.3	7.9	7.9	33.3	33.3	96.0	96.0	8.0	8.0	28.6	28.6	21	21	84	84							84	84	
						6.4	0.6	107	14.3	7.9	7.9	33.3	33.3	96.0	96.0	8.0	8.0	28.6	28.6	21	21	84	84							84	84	
IM7	Sunny	Rough	09:00	8.3	Surface	1.0	0.7	95	14.3	7.9	7.9	33.3	33.3	96.0	96.0																	

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

**Water Quality Monitoring Results on 11 February 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	Fine	Rough	08:10	7.7	Surface	1.0	0.5	192	17.6	7.9	7.9	29.1	29.1	95.8	95.8	7.7	7.7	12.1	12.1	10	10	79	79	81	81	822087	808821	<0.2	<0.2	1.4	1.4				
						1.0	0.6	198	17.6	7.9	7.9	29.1	29.1	95.8	95.8	7.7	7.7	12.1	12.1	12	12	79	79	81	81	822087	808821	<0.2	<0.2	1.4	1.4				
					Middle	3.9	0.5	207	17.6	7.9	7.9	29.1	29.1	96.1	96.1	7.7	7.7	12.7	12.7	12.9	12.9	14	14	81	81	81	81	822087	808821	<0.2	<0.2	1.3	1.3		
						3.9	0.5	223	17.6	7.9	7.9	29.1	29.1	96.1	96.1	7.7	7.7	12.7	12.7	12.9	12.9	14	14	80	80	81	81	822087	808821	<0.2	<0.2	1.0	1.0		
					Bottom	6.7	0.5	181	17.6	7.9	7.9	29.2	29.2	97.3	97.3	7.8	7.8	13.9	13.9	7.8	7.8	13.8	13.8	15	15	83	83	81	81	822087	808821	<0.2	<0.2	1.2	1.2
						6.7	0.5	193	17.6	7.9	7.9	29.2	29.2	97.3	97.3	7.8	7.8	13.8	13.8	7.8	7.8	13.8	13.8	14	14	83	83	81	81	822087	808821	<0.2	<0.2	1.0	1.0
IM10	Fine	Rough	08:01	7.7	Surface	1.0	0.6	281	17.3	7.9	7.9	29.6	29.6	97.2	97.2	7.8	7.8	19.5	19.5	20	20	78	78	81	81	822233	809841	<0.2	<0.2	0.9	0.9				
						1.0	0.6	291	17.3	7.9	7.9	29.6	29.6	97.2	97.2	7.8	7.8	19.6	19.6	7.8	7.8	20	20	77	77	81	81	822233	809841	<0.2	<0.2	0.8	0.8		
					Middle	3.9	0.5	255	17.3	7.9	7.9	29.6	29.6	97.3	97.3	7.8	7.8	19.9	19.9	20.5	20.5	20	20	79	79	81	81	822233	809841	<0.2	<0.2	0.8	0.8		
						3.9	0.5	278	17.3	7.9	7.9	29.6	29.6	97.3	97.3	7.8	7.8	19.9	19.9	20.5	20.5	20	20	81	81	81	81	822233	809841	<0.2	<0.2	0.8	0.8		
					Bottom	6.7	0.4	227	17.3	7.9	7.9	29.6	29.6	99.4	99.5	8.0	8.0	22.0	22.0	8.0	8.0	21.9	21.9	21	21	84	84	81	81	822233	809841	<0.2	<0.2	0.8	0.8
						6.7	0.4	233	17.3	7.9	7.9	29.6	29.6	99.5	99.5	8.0	8.0	21.9	21.9	8.0	8.0	21.9	21.9	20	20	84	84	81	81	822233	809841	<0.2	<0.2	0.8	0.8
IM11	Cloudy	Rough	07:53	7.9	Surface	1.0	0.5	260	17.4	7.9	7.9	29.5	29.5	97.0	97.1	7.8	7.8	15.6	15.6	14	14	77	77	81	81	821483	810563	<0.2	<0.2	0.9	0.9				
						1.0	0.5	278	17.4	7.9	7.9	29.5	29.5	97.1	97.1	7.8	7.8	15.7	15.7	7.8	7.8	13	13	79	79	81	81	821483	810563	<0.2	<0.2	0.8	0.8		
					Middle	4.0	0.4	263	17.3	7.9	7.9	29.5	29.5	97.4	97.4	7.8	7.8	16.7	16.7	17.1	17.1	18	18	81	81	81	81	821483	810563	<0.2	<0.2	0.8	0.8		
						4.0	0.4	267	17.3	7.9	7.9	29.5	29.5	97.4	97.4	7.8	7.8	16.8	16.8	17.1	17.1	18	18	80	80	81	81	821483	810563	<0.2	<0.2	0.8	0.8		
					Bottom	6.9	0.3	255	17.3	7.9	7.9	29.5	29.5	98.4	98.5	7.9	7.9	18.8	18.8	7.9	7.9	18.7	18.7	23	23	83	83	81	81	821483	810563	<0.2	<0.2	0.8	0.8
						6.9	0.4	260	17.3	7.9	7.9	29.5	29.5	98.5	98.5	7.9	7.9	18.7	18.7	7.9	7.9	18.7	18.7	23	23	83	83	81	81	821483	810563	<0.2	<0.2	0.9	0.9
IM12	Cloudy	Rough	07:44	8.5	Surface	1.0	0.7	284	17.4	7.9	7.9	29.6	29.6	96.5	96.5	7.7	7.7	14.9	14.9	17	17	78	78	80	80	821146	811511	<0.2	<0.2	0.7	0.7				
						1.0	0.7	298	17.4	7.9	7.9	29.6	29.6	96.5	96.5	7.7	7.7	15.0	15.0	7.7	7.7	16	16	77	77	80	80	821146	811511	<0.2	<0.2	0.7	0.7		
					Middle	4.3	0.6	273	17.4	7.9	7.9	29.6	29.6	96.4	96.4	7.7	7.7	15.3	15.3	16.2	16.2	16	16	81	81	80	80	821146	811511	<0.2	<0.2	0.9	0.9		
						4.3	0.6	284	17.4	7.9	7.9	29.6	29.6	96.4	96.4	7.7	7.7	15.6	15.6	16.2	16.2	16	16	79	79	81	81	821146	811511	<0.2	<0.2	0.9	0.9		
					Bottom	7.5	0.8	231	17.4	7.9	7.9	29.6	29.6	98.8	98.8	7.9	7.9	18.1	18.1	7.9	7.9	18.1	18.1	15	15	84	84	80	80	821146	811511	<0.2	<0.2	0.8	0.8
						7.5	0.8	253	17.4	7.9	7.9	29.6	29.6	98.8	98.8	7.9	7.9	18.1	18.1	7.9	7.9	18.1	18.1	15	15	83	83	80	80	821146	811511	<0.2	<0.2	0.8	0.8
SR2	Cloudy	Moderate	07:21	4.4	Surface	1.0	0.2	133	17.2	7.9	7.9	29.6	29.6	98.2	98.2	7.9	7.9	14.6	14.6	14	14	78	78	81	81	821462	814169	<0.2	<0.2	0.9	0.9				
						1.0	0.2	138	17.2	7.9	7.9	29.6	29.6	98.2	98.2	7.9	7.9	14.6	14.6	7.9	7.9	14	14	80	80	81	81	821462	814169	<0.2	<0.2	0.9	0.9		
					Middle	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.4	0.2	120	17.2	7.8	7.8	29.6	29.6	101.9	102.0	8.2	8.2	19.1	19.1	8.2	8.2	19.6	19.6	17	17	82	82	81	81	821462	814169	<0.2	<0.2	1.0	1.0
						3.4	0.2	128	17.2	7.8	7.8	29.6	29.6	102.1	102.0	8.2	8.2	19.6	19.6	8.2	8.2	19.6	19.6	15	15	83	83	81	81	821462	814169	<0.2	<0.2	0.9	0.9
SR3	Fine	Rough	08:25	9.2	Surface	1.0	0.7	125	17.6	7.9	7.9	29.3	29.3	96.1	96.1	7.7	7.7	12.1	12.1	13	13	-	-	-	-	822129	807563	-	-	-	-				
						1.0	0.7	131	17.6	7.9	7.9	29.3	29.3	96.1	96.1	7.7	7.7	12.0	12.0	7.7	7.7	12	12	-	-	-	-	822129	807563	-	-	-	-		
					Middle	4.6	0.6	164	17.5	7.9	7.9	29.4	29.4	96.2	96.2	7.7	7.7	12.0	12.0	7.7	7.7	14	14	-	-	-	-	822129	807563	-	-	-	-		
						4.6	0.6	168	17.5	7.9	7.9	29.4	29.4	96.2	96.2	7.7	7.7	11.8	11.8	7.7	7.7	14	14	-	-	-	-	822129	807563	-	-	-	-		
					Bottom	8.2	0.6	141	17.3	7.9	7.9	29.6	29.6	101.1	101.2	8.1	8.1	16.7	16.7	8.1	8.1	16.7	16.7	14	14	-	-	822129	807563	-	-	-	-		
						8.2	0.6	141	17.3	7.9	7.9	29.6	29.6	101.2	101.2	8.1	8.1	16.7	16.7	8.1	8.1	16.7	16.7	13	13	-	-	822129	807563	-	-	-	-		
SR4A	Sunny	Moderate	07:34	8.9	Surface	1.0	0.4	153	14.4	8.0	8.0	30.9	30.9	95.0	95.0	8.0	8.0	8.4	8.4	11	11	-	-	-	-	817178	807819	-	-	-	-				
						1.0	0.4	164	14.4	8.0	8.0	30.9	30.9	95.0	95.0	8.0	8.0	8.3	8.3	8.0	8.0	10	10	-	-	-	-	817178	807819	-	-	-	-		
					Middle	4.5	0.3	126	14.4	8.0	8.0	31.0	31.0	95.3	95.3	8.0	8.0	10.1	10.1	8.0	8.0	10.0	10.0	14	14	-	-	817178	807819	-	-	-	-		
						4.5	0.4	127	14.4	8.0	8.0	31.0	31.0	95.3	95.3	8.0	8.0	10.0	10.0	8.0	8.0	10.0	10.0	14	14	-	-	817178	807819	-	-	-	-		
					Bottom	7.9	0.4	119	14.2	8.0	8.0	31.4	31.4	95.7	95.7	8.1	8.1	11.5	11.5	8.1	8.1	11.5	11.5	13	13	-	-	817178	807819	-	-	-	-		
						7.9	0.4	128	14.2	8.0	8.0	31.4	31.4	95.7	95.7	8.1	8.1	11.5	11.5	8.1	8.1	11.5	11.5	14	14	-	-	817178	807819	-	-	-	-		

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

**Water Quality Monitoring Results on 11 February 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	Sunny	Moderate	12:59	6.1	Surface	1.0	0.5	212	14.2	14.2	7.9	7.9	34.4	34.4	98.0	98.0	8.1	8.1	16.8	18.3	19	20	83	84	815618	804242	<0.2	<0.2	0.6	0.7
						1.0	0.5	219	14.2	7.9	7.9	34.4	34.4	98.0	98.0	8.1	8.1	16.8	18.3	19	20	83	84	<0.2	<0.2	0.6	0.7			
					Middle	3.1	0.5	205	14.2	7.9	7.9	34.4	34.4	98.0	98.0	8.1	8.1	17.9	18.3	19	20	84	84	<0.2	<0.2	0.4	0.7			
						3.1	0.5	215	14.2	7.9	7.9	34.4	34.4	98.0	98.0	8.1	8.1	17.9	18.3	19	20	84	84	<0.2	<0.2	0.6	0.7			
					Bottom	5.1	0.5	199	14.1	7.8	7.8	34.5	34.5	98.1	98.1	8.1	8.2	20.1	20.0	20	21	85	85	<0.2	<0.2	0.6	1.5			
						5.1	0.5	202	14.1	7.8	7.8	34.5	34.5	98.1	98.1	8.2	8.2	20.0	20.0	21	21	85	85	<0.2	<0.2	1.5	1.5			
C2	Fine	Rough	11:51	12.2	Surface	1.0	0.4	114	17.8	17.8	7.9	7.9	28.6	28.6	96.1	96.2	7.7	7.7	11.5	13.3	10	13	74	79	825666	806939	<0.2	<0.2	1.5	1.8
						1.0	0.5	120	17.8	7.9	7.9	28.6	28.6	96.2	96.2	7.7	7.7	11.5	13.3	10	13	76	79	<0.2	<0.2	1.8	1.8			
					Middle	6.1	0.4	130	17.7	7.8	7.8	28.7	28.7	96.7	96.7	7.8	7.8	14.3	13.3	12	14	80	80	<0.2	<0.2	1.7	1.9			
						6.1	0.4	135	17.7	7.8	7.8	28.7	28.7	96.7	96.7	7.8	7.8	14.4	13.3	14	14	80	80	<0.2	<0.2	1.9	1.9			
					Bottom	11.2	0.3	175	17.7	7.8	7.8	28.8	28.8	100.2	100.3	8.0	8.0	14.4	13.9	15	14	84	82	<0.2	<0.2	2.1	1.8			
						11.2	0.4	190	17.7	7.8	7.8	28.8	28.8	100.3	100.3	8.0	8.0	13.9	13.9	14	14	82	82	<0.2	<0.2	1.8	1.8			
C3	Fine	Moderate	13:32	13.0	Surface	1.0	0.6	82	18.0	18.0	7.9	7.9	29.9	29.9	95.6	95.6	7.6	7.6	5.9	6.7	10	11	79	81	822103	817822	<0.2	<0.2	0.9	0.9
						1.0	0.6	84	18.0	7.9	7.9	29.9	29.9	95.5	95.6	7.6	7.6	5.9	6.7	10	11	78	81	<0.2	<0.2	0.7	0.9			
					Middle	6.5	0.5	85	18.0	7.9	7.9	30.0	30.0	94.9	94.9	7.5	7.5	6.4	6.7	10	11	81	80	<0.2	<0.2	0.9	1.0			
						6.5	0.5	92	18.0	7.9	7.9	30.0	30.0	94.9	94.9	7.5	7.5	6.4	6.7	11	11	80	80	<0.2	<0.2	1.0	1.0			
					Bottom	12.0	0.4	88	17.9	7.9	7.9	30.1	30.1	94.5	94.5	7.5	7.5	7.7	7.5	10	12	83	84	<0.2	<0.2	0.8	0.8			
						12.0	0.5	88	17.9	7.9	7.9	30.1	30.1	94.5	94.5	7.5	7.5	7.7	7.5	12	12	84	84	<0.2	<0.2	0.8	0.8			
IM1	Sunny	Moderate	12:44	7.2	Surface	1.0	0.4	148	14.3	14.3	7.9	7.9	34.3	34.3	99.3	99.3	8.2	8.2	11.9	12.4	14	15	82	84	818363	806470	<0.2	<0.2	1.1	0.9
						1.0	0.5	158	14.3	7.9	7.9	34.3	34.3	99.3	99.3	8.2	8.2	11.9	12.4	16	15	83	84	<0.2	<0.2	1.0	0.9			
					Middle	3.6	0.4	164	14.2	7.9	7.9	34.3	34.3	99.5	99.6	8.3	8.3	12.4	12.4	15	15	83	84	<0.2	<0.2	0.9	0.8			
						3.6	0.4	178	14.2	7.9	7.9	34.3	34.3	99.6	99.6	8.3	8.3	12.4	12.4	15	15	84	84	<0.2	<0.2	0.8	0.8			
					Bottom	6.2	0.4	153	14.2	7.9	7.9	34.3	34.3	100.6	100.6	8.4	8.4	12.8	12.8	16	15	84	85	<0.2	<0.2	0.6	0.7			
						6.2	0.4	166	14.2	7.9	7.9	34.3	34.3	100.6	100.6	8.4	8.4	12.8	12.8	15	15	85	85	<0.2	<0.2	0.7	0.7			
IM2	Sunny	Moderate	12:38	8.5	Surface	1.0	0.4	136	14.2	14.2	7.9	7.9	34.3	34.3	98.2	98.2	8.2	8.2	14.8	16.7	17	18	82	83	818861	806209	<0.2	<0.2	0.6	0.6
						1.0	0.4	145	14.2	7.9	7.9	34.3	34.3	98.2	98.2	8.2	8.2	14.9	16.7	18	18	82	83	<0.2	<0.2	0.6	0.6			
					Middle	4.3	0.4	155	14.1	7.9	7.9	34.3	34.3	98.1	98.2	8.2	8.2	16.9	16.7	18	19	82	83	<0.2	<0.2	0.6	0.6			
						4.3	0.4	162	14.1	7.9	7.9	34.3	34.3	98.2	98.2	8.2	8.2	16.8	16.7	19	19	83	83	<0.2	<0.2	0.6	0.6			
					Bottom	7.5	0.4	170	14.1	7.9	7.9	34.3	34.3	98.6	98.6	8.2	8.2	18.4	18.3	19	19	83	83	<0.2	<0.2	0.6	0.8			
						7.5	0.4	183	14.1	7.9	7.9	34.3	34.3	98.6	98.6	8.2	8.2	18.3	18.3	19	19	83	83	<0.2	<0.2	0.8	0.8			
IM3	Sunny	Moderate	12:30	8.7	Surface	1.0	0.3	134	14.3	14.3	7.9	7.9	34.1	34.1	97.9	97.9	8.1	8.1	13.4	16.4	16	21	81	82	819403	806031	<0.2	<0.2	0.8	0.7
						1.0	0.4	135	14.3	7.9	7.9	34.1	34.1	97.9	97.9	8.1	8.1	13.4	16.4	14	21	81	82	<0.2	<0.2	0.8	0.7			
					Middle	4.4	0.3	168	14.2	7.9	7.9	34.1	34.1	97.8	97.8	8.1	8.1	15.3	16.4	17	19	82	82	<0.2	<0.2	0.6	0.8			
						4.4	0.3	172	14.2	7.9	7.9	34.1	34.1	97.8	97.8	8.1	8.1	15.3	16.4	19	21	82	82	<0.2	<0.2	0.8	0.8			
					Bottom	7.7	0.3	151	14.1	7.9	7.9	34.2	34.2	98.6	98.6	8.2	8.2	20.5	20.2	29	28	83	83	<0.2	<0.2	0.6	0.6			
						7.7	0.3	165	14.1	7.9	7.9	34.2	34.2	98.6	98.6	8.2	8.2	20.2	20.2	28	28	83	83	<0.2	<0.2	0.6	0.6			
IM4	Sunny	Moderate	12:24	7.7	Surface	1.0	0.4	148	14.2	14.2	7.9	7.9	33.9	33.9	97.9	97.9	8.1	8.1	16.3	19.8	17	19	82	83	819576	805050	<0.2	<0.2	0.7	0.7
						1.0	0.4	152	14.2	7.9	7.9	33.9	33.9	97.8	97.9	8.1	8.1	16.3	19.8	17	19	82	83	<0.2	<0.2	0.8	0.7			
					Middle	3.9	0.4	147	14.1	7.9	7.9	34.1	34.1	97.9	97.9	8.2	8.2	21.6	19.8	19	19	83	83	<0.2	<0.2	0.7	0.7			
						3.9	0.4	151	14.1	7.9	7.9	34.1	34.1	97.9	97.9	8.2	8.2	21.9	19.8	19	19	83	83	<0.2	<0.2	0.7	0.7			
					Bottom	6.7	0.4	173	14.1	7.9	7.9	34.1	34.1	98.6	98.6	8.2	8.2	21.3	21.2	20	19	84	84	<0.2	<0.2	0.6	0.6			
						6.7	0.4	178	14.1	7.9	7.9	34.1	34.1	98.5	98.6	8.2	8.2	21.2	21.2	19	19	84	84	<0.2	<0.2	0.6	0.6			
IM5	Sunny	Rough	12:14	7.0	Surface	1.0	0.5	123	14.3	14.3	7.9	7.9	33.6	33.6	97.5	97.5	8.1	8.1	19.8	21.1	20	21	80	82	820557	804925	<0.2	<0.2	0.8	0.7
						1.0	0.5	133	14.3	7.9	7.9	33.6	33.6	97.5	97.5	8.1	8.1	19.8	21.1	18	21	80	82	<0.2	<0.2	0.7	0.7			
					Middle	3.5	0.4	130	14.2	7.9	7.9	33.6	33.6	97.4	97.4	8.1	8.1	21.4	21.1	20	21	82	82	<0.2	<0.2	0.7	0.7			
						3.5	0.4	131	14.1	7.9	7.9	33.6	33.6	97.4	97.4	8.1	8.1	21.4	21.1	19	21	82	82	<0.2	<0.2	0.7	0.7			
					Bottom	6.0	0.4	159	14.1	7.9	7.9	33.7	33.7	97.9	98.0	8.2	8.2	22.0	22.0	23	24	82	83	<0.2	<0.2	0.8	0.7			
						6.0	0.4	160	14.1	7.9	7.9	33.7	33.7	98.0	98.0	8.2	8.2	22.0	22.0	24	24	83	83	<0.2	<0.2	0.8	0.7			
IM6	Sunny	Rough	12:05	7.2	Surface	1.0	0.5	109	14.2	14.2	7.9	7.9	33.7	33.7	97.4	97.5	8.1	8.1	20.1	21.2	21	22	82	83	821061	805841	<0.2	<0.2	0.8	0.8
						1.0	0.5	118	14.2	7.9	7.9	33.7	33.7	97.5	97.5	8.1	8.1	20.2	21.2	21	22	82	83	<0.2	<0.2	0.6	0.8			
					Middle	3.6	0.5	128	14.																					

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

**Water Quality Monitoring Results on 11 February 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	Fine	Rough	12:23	7.9	Surface	1.0	0.6	95	17.4	8.0	8.0	29.5	29.5	97.6	97.6	7.8	7.8	15.3	15.3	17	17	79	79	81	81	822107	808819	<0.2	<0.2	1.1	1.1				
						1.0	0.7	102	17.4	8.0	8.0	29.5	29.5	97.5	97.5	7.8	7.8	15.4	15.4	16	16	80	80	81	81	822107	808819	<0.2	<0.2	0.9	0.9				
					Middle	4.0	0.6	90	17.4	7.9	7.9	29.5	29.5	97.3	97.3	7.8	7.8	17.3	17.3	18	18	82	82	81	81	822107	808819	<0.2	<0.2	1.0	1.0				
						4.0	0.6	92	17.4	7.9	7.9	29.5	29.5	97.3	97.3	7.8	7.8	17.4	17.4	18	18	80	80	81	81	822107	808819	<0.2	<0.2	0.9	0.9				
					Bottom	6.9	0.5	107	17.2	7.9	7.9	29.6	29.6	97.0	97.0	7.8	7.8	21.8	21.8	18	18	83	83	81	81	822107	808819	<0.2	<0.2	0.9	0.9				
						6.9	0.6	115	17.2	7.9	7.9	29.6	29.6	97.0	97.0	7.8	7.8	21.9	21.9	17	17	84	84	81	81	822107	808819	<0.2	<0.2	0.9	0.9				
IM10	Fine	Rough	12:34	7.4	Surface	1.0	0.5	85	17.6	7.9	7.9	29.4	29.4	97.7	97.7	7.8	7.8	9.0	9.0	9	9	77	77	81	81	822221	809852	<0.2	<0.2	0.9	0.9				
						1.0	0.6	92	17.6	7.9	7.9	29.4	29.4	97.7	97.7	7.8	7.8	9.0	9.0	10	10	79	79	81	81	822221	809852	<0.2	<0.2	0.7	0.7				
					Middle	3.7	0.5	93	17.5	7.9	7.9	29.4	29.4	97.4	97.4	7.8	7.8	9.4	9.4	12	12	81	81	81	81	822221	809852	<0.2	<0.2	1.0	1.0				
						3.7	0.5	96	17.5	7.9	7.9	29.4	29.4	97.4	97.4	7.8	7.8	9.5	9.5	12	12	79	79	81	81	822221	809852	<0.2	<0.2	0.9	0.9				
					Bottom	6.4	0.4	122	17.4	7.9	7.9	29.5	29.5	97.4	97.4	7.8	7.8	10.4	10.4	11	11	84	84	81	81	822221	809852	<0.2	<0.2	1.0	1.0				
						6.4	0.4	123	17.4	7.9	7.9	29.5	29.5	97.4	97.4	7.8	7.8	10.4	10.4	12	12	83	83	81	81	822221	809852	<0.2	<0.2	0.8	0.8				
IM11	Fine	Rough	12:41	9.0	Surface	1.0	0.5	95	17.6	7.9	7.9	29.5	29.5	97.7	97.7	7.8	7.8	8.4	8.4	10	10	77	77	81	81	821514	810554	<0.2	<0.2	1.0	1.0				
						1.0	0.5	98	17.6	7.9	7.9	29.5	29.5	97.7	97.7	7.8	7.8	8.4	8.4	10	10	79	79	81	81	821514	810554	<0.2	<0.2	0.9	0.9				
					Middle	4.5	0.5	97	17.4	7.9	7.9	29.5	29.5	97.2	97.2	7.8	7.8	8.5	8.5	10	10	80	80	81	81	821514	810554	<0.2	<0.2	1.0	1.0				
						4.5	0.5	102	17.4	7.9	7.9	29.5	29.5	97.2	97.2	7.8	7.8	8.6	8.6	10	10	79	79	81	81	821514	810554	<0.2	<0.2	0.9	0.9				
					Bottom	8.0	0.5	102	17.4	7.9	7.9	29.5	29.5	97.5	97.5	7.8	7.8	8.5	8.5	12	12	84	84	81	81	821514	810554	<0.2	<0.2	1.0	1.0				
						8.0	0.5	106	17.4	7.9	7.9	29.5	29.5	97.5	97.5	7.8	7.8	8.6	8.6	10	10	85	85	81	81	821514	810554	<0.2	<0.2	1.0	1.0				
IM12	Fine	Rough	12:49	9.3	Surface	1.0	0.5	89	17.7	7.9	7.9	29.5	29.5	98.3	98.3	7.9	7.9	7.6	7.6	11	11	78	78	81	81	821154	811508	<0.2	<0.2	1.0	1.0				
						1.0	0.5	93	17.7	7.9	7.9	29.5	29.5	98.3	98.3	7.9	7.9	7.6	7.6	11	11	80	80	81	81	821154	811508	<0.2	<0.2	1.0	1.0				
					Middle	4.7	0.5	99	17.6	7.9	7.9	29.5	29.5	98.0	98.0	7.8	7.8	8.0	8.0	12	12	80	80	81	81	821154	811508	<0.2	<0.2	1.1	1.1				
						4.7	0.5	99	17.6	7.9	7.9	29.5	29.5	98.0	98.0	7.8	7.8	8.1	8.1	11	11	79	79	81	81	821154	811508	<0.2	<0.2	1.0	1.0				
					Bottom	8.3	0.4	98	17.5	7.9	7.9	29.6	29.6	98.8	98.8	7.9	7.9	9.3	9.3	10	10	82	82	81	81	821154	811508	<0.2	<0.2	1.0	1.0				
						8.3	0.4	98	17.5	7.9	7.9	29.6	29.6	98.8	98.8	7.9	7.9	9.3	9.3	12	12	84	84	81	81	821154	811508	<0.2	<0.2	1.0	1.0				
SR2	Fine	Moderate	13:11	4.7	Surface	1.0	0.4	86	17.8	7.9	7.9	29.5	29.5	97.9	97.9	7.8	7.8	7.8	7.8	8	8	76	76	80	80	821480	814152	<0.2	<0.2	0.9	0.9				
						1.0	0.4	93	17.8	7.9	7.9	29.5	29.5	97.9	97.9	7.8	7.8	7.8	7.8	8	8	78	78	80	80	821480	814152	<0.2	<0.2	0.9	0.9				
					Middle	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	80	821480	814152	<0.2	<0.2	-	-
						0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	80	80	821480	814152	<0.2	<0.2	-
					Bottom	3.7	0.3	87	17.8	7.9	7.9	29.6	29.6	99.4	99.4	7.9	7.9	9.7	9.7	8	8	83	83	80	80	821480	814152	<0.2	<0.2	0.9	0.9				
						3.7	0.3	92	17.8	7.9	7.9	29.6	29.6	99.5	99.5	7.9	7.9	9.7	9.7	7	7	84	84	80	80	821480	814152	<0.2	<0.2	1.0	1.0				
SR3	Fine	Rough	12:10	9.4	Surface	1.0	0.5	110	17.4	7.9	7.9	29.5	29.5	97.7	97.7	7.8	7.8	17.3	17.3	18	18	-	-	-	-	822141	807575	-	-	-	-				
						1.0	0.5	111	17.4	7.9	7.9	29.5	29.5	97.7	97.7	7.8	7.8	17.4	17.4	18	18	-	-	-	-	822141	807575	-	-	-	-				
					Middle	4.7	0.5	95	17.4	7.9	7.9	29.5	29.5	97.5	97.5	7.8	7.8	18.9	18.9	18	18	-	-	-	-	-	-	822141	807575	-	-	-	-		
						4.7	0.5	103	17.3	7.9	7.9	29.5	29.5	97.5	97.5	7.8	7.8	19.1	19.1	19	19	-	-	-	-	-	-	822141	807575	-	-	-	-		
					Bottom	8.4	0.4	106	17.2	7.9	7.9	29.6	29.6	97.3	97.3	7.8	7.8	21.6	21.6	17	17	-	-	-	-	-	-	822141	807575	-	-	-	-		
						8.4	0.4	114	17.2	7.9	7.9	29.6	29.6	97.3	97.3	7.8	7.8	21.7	21.7	17	17	-	-	-	-	-	-	822141	807575	-	-	-	-		
SR4A	Sunny	Moderate	13:16	9.1	Surface	1.0	0.5	96	14.1	7.8	7.8	34.2	34.2	98.2	98.2	8.2	8.2	14.2	14.2	17	17	-	-	-	-	817198	807791	-	-	-	-				
						1.0	0.5	103	14.1	7.8	7.8	34.2	34.2	98.3	98.3	8.2	8.2	14.4	14.4	17	17	-	-	-	-	817198	807791	-	-	-	-				
					Middle	4.6	0.4	100	14.1	7.8	7.8	34.2	34.2	98.9	98.9	8.2	8.2	14.6	14.6	18	18	-	-	-	-	-	-	817198	807791	-	-	-	-		
						4.6	0.4	102	14.1	7.8	7.8	34.2	34.2	99.0	99.0	8.2	8.2	14.7	14.7	18	18	-	-	-	-	-	-	817198	807791	-	-	-	-		
					Bottom	8.1	0.4	98	14.1	7.8	7.8	34.3	34.3	100.2	100.2	8.3	8.3	15.1	15.1	19	19	-	-	-	-	-	-	817198	807791	-	-	-	-		
						8.1	0.4	100	14.1	7.8	7.8	34.3	34.3	100.3	100.3	8.3	8.3	15.1	15.1	20	20	-	-	-	-	-	-	817198	807791	-	-	-	-		
SR5A	Sunny	Calm	13:34	4.9	Surface	1.0	0.1	200	14.8	7.8	7.8	33.0	33.0	100.1	100.2	8.3	8.3	7.1	7.1	9	9	-	-	-	-	816580	810686	-	-	-	-				
						1.0	0.1	200	14.8	7.8	7.8	33.0	33.0	100.2	100.2	8.3	8.3	7.1	7.1	9	9	-	-	-	-	816580	810686	-	-	-	-				
					Middle	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816580	810686	-	-	-	-		
						0.0	-	-	-	-</																									

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

**Water Quality Monitoring Results on 14 February 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	10:25	8.5	Surface	1.0	0.8	65	14.2	14.2	7.8	7.8	33.9	33.9	96.6	96.7	8.0	8.0	71.5	80.9	74	106	83	84	815634	804264	<0.2	<0.2	0.6	0.6		
						1.0	0.8	67	14.2	7.8	7.8	33.9	33.9	96.7	96.7	8.0	8.0	71.5	80.9	68	106	83	84	815634	804264	<0.2	<0.2	0.6	0.6			
					Middle	4.3	0.9	65	14.2	7.8	7.8	34.0	34.0	96.7	96.7	8.0	8.0	82.5	80.9	84	106	84	84	815634	804264	<0.2	<0.2	0.6	0.6			
						4.3	0.9	67	14.2	7.8	7.8	34.0	34.0	96.7	96.7	8.0	8.0	82.4	80.9	92	106	84	84	815634	804264	<0.2	<0.2	0.5	0.6			
					Bottom	7.5	0.8	55	14.2	7.8	7.8	34.0	34.0	97.1	97.1	8.1	8.1	89.0	8.1	89.0	8.1	89.0	154	166	85	85	815634	804264	<0.2	<0.2	0.6	0.5
						7.5	0.8	55	14.2	7.8	7.8	34.0	34.0	97.1	97.1	8.1	8.1	88.4	8.1	88.4	8.1	88.4	166	166	85	85	815634	804264	<0.2	<0.2	0.5	0.5
C2	Fine	Moderate	10:23	12.8	Surface	1.0	0.5	150	17.8	17.8	7.8	7.8	27.3	27.3	94.4	94.4	7.6	7.6	8.5	10.5	8	9	75	76	825676	806936	<0.2	<0.2	1.8	2.0		
						1.0	0.5	158	17.8	7.8	7.8	27.3	27.3	94.4	94.4	7.6	7.6	8.5	10.5	8	9	76	79	825676	806936	<0.2	<0.2	2.0	2.0			
					Middle	6.4	0.6	125	17.8	7.8	7.8	27.5	27.5	94.2	94.2	7.6	7.6	9.0	10.5	8	9	8	9	79	80	825676	806936	<0.2	<0.2	2.2	2.0	
						6.4	0.6	134	17.8	7.8	7.8	27.5	27.5	94.2	94.2	7.6	7.6	9.2	10.5	9	9	8	9	80	83	825676	806936	<0.2	<0.2	2.0	1.8	
					Bottom	11.8	0.4	257	17.7	7.8	7.8	27.8	27.8	95.1	95.1	7.7	7.7	14.0	7.7	14.0	7.7	14.0	12	11	12	83	825676	806936	<0.2	<0.2	1.8	1.9
						11.8	0.5	258	17.7	7.8	7.8	27.8	27.8	95.1	95.1	7.7	7.7	14.0	7.7	14.0	7.7	14.0	11	11	11	84	825676	806936	<0.2	<0.2	1.9	1.9
C3	Fine	Moderate	08:51	11.3	Surface	1.0	0.7	263	17.6	17.6	7.9	7.9	29.4	29.4	95.9	95.9	7.7	7.7	8.1	14.7	8	13	78	78	822094	817812	<0.2	<0.2	0.9	1.1		
						1.0	0.7	270	17.6	7.9	7.9	29.4	29.4	95.9	95.9	7.7	7.7	8.2	14.7	8	13	78	78	822094	817812	<0.2	<0.2	1.1	1.0			
					Middle	5.7	0.6	264	17.6	7.9	7.9	29.5	29.5	95.2	95.2	7.6	7.6	14.5	14.7	10	13	81	79	81	79	822094	817812	<0.2	<0.2	1.1	0.9	
						5.7	0.7	272	17.6	7.9	7.9	29.5	29.5	95.2	95.2	7.6	7.6	14.5	14.7	11	13	81	79	81	79	822094	817812	<0.2	<0.2	0.9	1.0	
					Bottom	10.3	0.5	268	17.6	7.9	7.9	29.6	29.6	95.1	95.1	7.6	7.6	21.4	7.6	21.4	7.6	21.4	20	21	84	83	822094	817812	<0.2	<0.2	1.0	1.0
						10.3	0.5	269	17.6	7.9	7.9	29.6	29.6	95.1	95.1	7.6	7.6	21.4	7.6	21.4	7.6	21.4	21	21	83	83	822094	817812	<0.2	<0.2	1.0	1.0
IM1	Sunny	Moderate	10:42	7.7	Surface	1.0	0.8	54	14.5	14.5	7.8	7.8	33.5	33.5	97.4	97.4	8.1	8.1	13.6	14.6	15	21	83	83	818342	806456	<0.2	<0.2	0.8	0.7		
						1.0	0.8	56	14.5	7.8	7.8	33.5	33.5	97.4	97.4	8.1	8.1	13.6	14.6	14	21	83	83	818342	806456	<0.2	<0.2	0.8	0.6			
					Middle	3.9	0.7	72	14.5	7.8	7.8	33.6	33.6	97.2	97.2	8.1	8.1	15.3	14.6	19	21	83	83	83	83	818342	806456	<0.2	<0.2	0.7	0.6	
						3.9	0.7	73	14.5	7.8	7.8	33.6	33.6	97.2	97.2	8.1	8.1	15.4	14.6	21	21	83	83	83	83	818342	806456	<0.2	<0.2	0.6	0.7	
					Bottom	6.7	0.7	94	14.5	7.8	7.8	33.6	33.6	97.4	97.4	8.1	8.1	14.8	8.1	14.8	8.1	14.8	26	28	84	84	818342	806456	<0.2	<0.2	0.7	0.6
						6.7	0.7	102	14.5	7.8	7.8	33.6	33.6	97.4	97.4	8.1	8.1	14.9	8.1	14.9	8.1	14.9	28	28	84	84	818342	806456	<0.2	<0.2	0.6	0.6
IM2	Sunny	Moderate	10:48	8.7	Surface	1.0	0.7	52	14.6	14.6	7.8	7.8	33.4	33.4	96.6	96.6	8.0	8.0	23.0	33.9	61	60	82	81	818856	806210	<0.2	<0.2	0.7	0.8		
						1.0	0.7	54	14.6	7.8	7.8	33.4	33.4	96.6	96.6	8.0	8.0	23.0	33.9	58	60	81	60	82	81	818856	806210	<0.2	<0.2	0.8	0.8	
					Middle	4.4	0.6	75	14.4	7.8	7.8	33.5	33.5	96.3	96.3	8.0	8.0	38.1	33.9	58	60	82	60	82	83	818856	806210	<0.2	<0.2	0.9	0.9	
						4.4	0.6	80	14.4	7.8	7.8	33.5	33.5	96.3	96.3	8.0	8.0	38.1	33.9	58	60	82	60	83	84	818856	806210	<0.2	<0.2	0.9	0.8	
					Bottom	7.7	0.6	62	14.4	7.8	7.8	33.6	33.6	96.5	96.5	8.0	8.0	40.6	8.0	40.6	8.0	40.6	60	62	84	84	818856	806210	<0.2	<0.2	0.8	0.8
						7.7	0.6	67	14.4	7.8	7.8	33.6	33.6	96.5	96.5	8.0	8.0	40.4	8.0	40.4	8.0	40.4	62	62	84	84	818856	806210	<0.2	<0.2	0.8	0.8
IM3	Sunny	Moderate	10:55	8.5	Surface	1.0	0.5	113	14.5	14.5	7.8	7.8	33.4	33.4	96.2	96.2	8.0	8.0	41.3	47.9	44	58	83	83	819412	806000	<0.2	<0.2	1.0	1.0		
						1.0	0.5	117	14.5	7.8	7.8	33.4	33.4	96.2	96.2	8.0	8.0	41.4	47.9	48	58	83	58	83	84	819412	806000	<0.2	<0.2	1.1	0.9	
					Middle	4.3	0.5	94	14.5	7.8	7.8	33.4	33.4	96.3	96.3	8.0	8.0	46.5	47.9	60	58	84	58	84	84	819412	806000	<0.2	<0.2	0.9	0.9	
						4.3	0.6	98	14.5	7.8	7.8	33.4	33.4	96.2	96.3	8.0	8.0	46.8	47.9	63	58	84	58	84	84	819412	806000	<0.2	<0.2	0.9	0.9	
					Bottom	7.5	0.5	101	14.4	7.8	7.8	33.5	33.5	96.8	96.8	8.0	8.0	55.7	8.0	55.7	8.0	55.7	67	68	85	85	819412	806000	<0.2	<0.2	0.9	0.9
						7.5	0.5	107	14.4	7.8	7.8	33.5	33.5	96.8	96.8	8.0	8.0	55.7	8.0	55.7	8.0	55.7	68	68	85	85	819412	806000	<0.2	<0.2	0.9	0.9
IM4	Sunny	Moderate	11:05	8.3	Surface	1.0	0.6	98	14.6	14.6	7.8	7.8	33.4	33.4	97.0	97.0	8.0	8.0	26.9	77.4	33	52	82	81	819564	805058	<0.2	<0.2	0.7	0.7		
						1.0	0.6	107	14.6	7.8	7.8	33.4	33.4	97.0	97.0	8.0	8.0	27.0	77.4	33	52	81	52	82	81	819564	805058	<0.2	<0.2	0.7	0.8	
					Middle	4.2	0.5	110	14.3	7.8	7.8	33.5	33.5	96.3	96.4	8.0	8.0	100.5	77.4	59	52	82	52	82	83	819564	805058	<0.2	<0.2	0.8	0.8	
						4.2	0.6	115	14.3	7.8	7.8	33.5	33.5	96.4	96.4	8.0	8.0	100.1	77.4	60	52	83	52	83	83	819564	805058	<0.2	<0.2	0.8	0.8	
					Bottom	7.3	0.5	138	14.3	7.8	7.8	33.5	33.5	97.0	97.0	8.1	8.1	105.2	8.1	105.2	8.1	105.2	64	62	83	83	819564	805058	<0.2	<0.2	0.8	0.6
						7.3	0.6	151	14.3	7.8	7.8	33.5	33.5	97.0	97.0	8.1	8.1	104.8	8.1	104.8	8.1	104.8	62	62	83	83	819564	805058	<0.2	<0.2	0.6	0.6
IM5	Sunny	Moderate	11:15	7.2	Surface	1.0	0.6	91	14.5	14.5	7.8	7.8	33.3	33.3	95.9	95.9	8.0	8.0	47.9	71.2	58	83	80	80	820544	804904	<0.2	<0.2	0.8	0.8		
						1.0	0.6	92	14.5	7.8	7.8	33.3	33.3	95.9	95.9	8.0	8.0	48.0	71.2	57	83	80	83	80	80	820544	804904	<0.2	<0.2	0.7	0	





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

**Water Quality Monitoring Results on 14 February 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	15:08	8.8	Surface	1.0	0.5	184	14.8	7.8	7.8	34.1	34.1	98.0	98.0	8.0	8.0	10.3	8.0	14	17	83	84	815627	804253	<0.2	<0.2	0.7	0.7				
						1.0	0.5	189	14.8	7.8	7.8	34.1	34.1	98.0	98.0	8.0	8.0	10.2	8.0	16	17	84	84	84	84	<0.2	<0.2	0.7	0.7				
					Middle	4.4	0.4	193	14.5	7.8	7.8	34.2	34.2	97.4	97.4	8.0	8.0	12.1	8.0	12.1	12.1	15	17	84	84	84	84	<0.2	<0.2	0.8	0.7		
						4.4	0.4	202	14.5	7.8	7.8	34.2	34.2	97.4	97.4	8.0	8.0	12.2	8.0	12.2	12.1	17	17	84	84	84	84	<0.2	<0.2	0.7	0.7		
					Bottom	7.8	0.4	226	14.2	7.8	7.8	34.8	34.8	98.1	98.1	8.1	8.1	14.0	8.1	14.0	8.1	14.0	8.1	19	21	85	85	84	84	<0.2	<0.2	0.5	0.6
						7.8	0.4	243	14.2	7.8	7.8	34.8	34.8	98.1	98.1	8.1	8.1	13.8	8.1	13.8	8.1	21	21	85	85	85	85	84	84	<0.2	<0.2	0.6	0.6
C2	Fine	Moderate	13:33	12.7	Surface	1.0	0.4	111	18.3	7.8	7.8	27.3	27.3	97.6	97.6	7.8	7.8	8.6	7.8	8	11	74	75	825688	806949	<0.2	<0.2	1.8	1.8				
						1.0	0.4	114	18.3	7.8	7.8	27.3	27.3	97.6	97.6	7.8	7.8	8.7	7.8	9	11	75	11	78	79	84	84	<0.2	<0.2	1.8	1.7		
					Middle	6.4	0.4	97	18.1	7.8	7.8	27.9	27.9	97.0	97.0	7.8	7.8	12.5	7.8	12.5	13.2	11	11	78	79	84	84	<0.2	<0.2	1.6	1.5		
						6.4	0.4	105	18.1	7.8	7.8	27.9	27.9	97.0	97.0	7.8	7.8	12.5	7.8	12.5	13.2	10	11	79	82	84	84	<0.2	<0.2	1.5	1.8		
					Bottom	11.7	0.2	193	17.7	7.8	7.8	28.7	28.7	97.0	97.0	7.8	7.8	18.4	7.8	18.4	7.8	14	14	82	84	84	84	84	84	<0.2	<0.2	1.8	1.7
						11.7	0.2	210	17.7	7.8	7.8	28.7	28.7	97.0	97.0	7.8	7.8	18.3	7.8	18.3	7.8	14	14	84	84	84	84	84	84	<0.2	<0.2	1.7	1.7
C3	Fine	Calm	15:26	12.1	Surface	1.0	0.5	82	17.9	7.9	7.9	29.5	29.5	96.2	96.2	7.6	7.6	9.4	7.6	9	11	78	77	822089	817816	<0.2	<0.2	0.9	0.8				
						1.0	0.5	88	17.9	7.9	7.9	29.5	29.5	96.1	96.2	7.6	7.6	9.4	7.6	11	11	77	82	81	81	84	84	<0.2	<0.2	0.8	0.9		
					Middle	6.1	0.4	73	17.7	7.9	7.9	29.8	29.8	95.0	95.0	7.6	7.6	10.5	7.6	10.5	11.4	11	13	82	81	84	84	<0.2	<0.2	0.8	1.1		
						6.1	0.5	77	17.7	7.9	7.9	29.8	29.8	95.0	95.0	7.6	7.6	10.5	7.6	10.5	11.4	12	13	81	83	84	84	<0.2	<0.2	0.8	1.1		
					Bottom	11.1	0.4	100	17.7	7.9	7.9	29.9	29.9	96.3	96.3	7.7	7.7	14.4	7.7	14.4	7.7	15	17	83	84	84	84	84	84	<0.2	<0.2	0.8	0.8
						11.1	0.4	101	17.7	7.9	7.9	29.9	29.9	96.3	96.3	7.7	7.7	14.4	7.7	14.4	7.7	17	17	84	84	84	84	84	84	<0.2	<0.2	0.8	0.8
IM1	Sunny	Moderate	14:48	7.5	Surface	1.0	0.3	142	15.3	7.8	7.8	34.3	34.3	99.6	99.6	8.1	8.1	9.9	8.1	12	13	83	83	818356	806458	<0.2	<0.2	0.6	0.6				
						1.0	0.3	151	15.3	7.8	7.8	34.3	34.3	99.6	99.6	8.1	8.1	9.9	8.1	11	13	83	83	84	84	84	84	<0.2	<0.2	0.7	0.6		
					Middle	3.8	0.3	145	15.0	7.8	7.8	34.5	34.5	98.8	98.8	8.1	8.1	10.7	8.1	10.8	10.7	14	13	83	83	84	84	<0.2	<0.2	0.6	0.6		
						3.8	0.3	156	15.0	7.8	7.8	34.5	34.5	98.8	98.8	8.1	8.1	10.8	8.1	10.8	10.7	13	13	83	83	84	84	<0.2	<0.2	0.6	0.6		
					Bottom	6.5	0.2	139	14.8	7.8	7.8	34.6	34.6	98.8	98.8	8.1	8.1	11.6	8.1	11.6	8.1	15	13	84	85	84	84	84	84	<0.2	<0.2	0.6	0.6
						6.5	0.3	142	14.8	7.8	7.8	34.6	34.6	98.8	98.8	8.1	8.1	11.5	8.1	11.5	8.1	13	13	85	85	84	84	84	84	<0.2	<0.2	0.6	0.6
IM2	Sunny	Moderate	14:42	8.2	Surface	1.0	0.3	143	14.7	7.8	7.8	34.5	34.5	97.4	97.4	8.0	8.0	13.6	8.0	16	20	80	80	818851	806196	<0.2	<0.2	0.5	0.7				
						1.0	0.4	154	14.7	7.8	7.8	34.5	34.5	97.4	97.4	8.0	8.0	13.5	8.0	15	20	80	81	81	81	84	84	<0.2	<0.2	0.6	0.4		
					Middle	4.1	0.3	178	14.5	7.8	7.8	34.6	34.6	97.0	97.0	8.0	8.0	18.9	8.0	18.9	18.2	19	20	81	81	84	84	<0.2	<0.2	0.6	0.4		
						4.1	0.3	190	14.5	7.8	7.8	34.6	34.6	96.9	97.0	8.0	8.0	18.9	8.0	17	20	81	81	81	81	84	84	<0.2	<0.2	0.5	0.4		
					Bottom	7.2	0.3	182	14.4	7.8	7.8	34.6	34.6	97.5	97.5	8.0	8.0	22.3	8.0	22.3	8.0	26	26	82	82	84	84	84	84	<0.2	<0.2	0.5	0.4
						7.2	0.3	188	14.4	7.8	7.8	34.6	34.6	97.5	97.5	8.0	8.0	22.2	8.0	22.2	8.0	26	26	82	82	84	84	84	84	<0.2	<0.2	0.4	0.4
IM3	Sunny	Moderate	14:34	8.7	Surface	1.0	0.5	122	14.6	7.8	7.8	34.5	34.5	97.5	97.5	8.0	8.0	13.5	8.0	16	18	81	81	819412	806015	<0.2	<0.2	0.4	0.4				
						1.0	0.5	123	14.6	7.8	7.8	34.5	34.5	97.4	97.5	8.0	8.0	13.4	8.0	15	18	81	82	81	81	84	84	<0.2	<0.2	0.4	0.5		
					Middle	4.4	0.4	146	14.5	7.8	7.8	34.5	34.5	97.2	97.2	8.0	8.0	15.5	8.0	15.6	16.2	16	18	82	82	84	84	<0.2	<0.2	0.5	0.6		
						4.4	0.4	152	14.5	7.8	7.8	34.5	34.5	97.2	97.2	8.0	8.0	15.6	8.0	17	18	82	82	82	82	84	84	<0.2	<0.2	0.6	0.5		
					Bottom	7.7	0.4	168	14.3	7.8	7.8	34.6	34.6	98.1	98.2	8.1	8.1	19.7	8.1	19.7	8.1	21	23	83	83	84	84	84	84	<0.2	<0.2	0.5	0.5
						7.7	0.4	181	14.3	7.8	7.8	34.6	34.6	98.2	98.2	8.1	8.1	19.5	8.1	19.5	8.1	23	23	83	83	84	84	84	84	<0.2	<0.2	0.5	0.5
IM4	Sunny	Moderate	14:28	7.9	Surface	1.0	0.3	153	15.0	7.8	7.8	33.9	33.9	98.3	98.4	8.1	8.1	12.3	8.1	16	16	83	82	819561	805025	<0.2	<0.2	0.5	0.6				
						1.0	0.3	165	15.0	7.8	7.8	33.9	33.9	98.4	98.4	8.1	8.1	12.3	8.1	16	16	82	83	81	81	84	84	<0.2	<0.2	0.6	0.6		
					Middle	4.0	0.3	168	14.7	7.8	7.8	34.0	34.0	97.6	97.6	8.0	8.0	12.7	8.0	12.8	13.3	15	16	83	83	84	84	<0.2	<0.2	0.6	0.6		
						4.0	0.3	169	14.7	7.8	7.8	34.0	34.0	97.6	97.6	8.0	8.0	12.8	8.0	14	16	83	84	83	84	84	84	<0.2	<0.2	0.6	0.6		
					Bottom	6.9	0.2	172	14.4	7.8	7.8	34.5	34.5	97.1	97.2	8.0	8.0	14.8	8.0	14.7	8.0	19	21	84	84	84	84	84	84	<0.2	<0.2	0.6	0.7
						6.9	0.3	175	14.4	7.8	7.8	34.5	34.5	97.2	97.2	8.0	8.0	14.7	8.0	19	21	84	84	84	84	84	84	84	84	<0.2	<0.2	0.7	0.7
IM5	Sunny	Moderate	14:18	7.3	Surface	1.0	0.4	148	14.9	7.8	7.8	33.6	33.6	97.7	97.8	8.0	8.0	14.2	8.0	18	21	80	79	820564	804908	<0.2	<0.2	0.8	0.7				
						1.0	0.4	159	14.9	7.8	7.8	33.6	33.6	97.8	97.8	8.0	8.0	14.2	8.0	19	21	80	79	81	81	84	84	<0.2	<0.2	0.7	0.8		
					Middle	3.7	0.3	174	14.4	7.8	7.8	33.9	33.9	96.6	96.6	8.0	8.0																

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

**Water Quality Monitoring Results on 14 February 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	Fine	Moderate	14:11	7.7	Surface	1.0	0.5	93	17.8	7.9	7.9	29.5	29.5	98.5	98.5	7.9	7.9	24.9	7.9	21	76	80	80	822087	808807	<0.2	<0.2	0.6	0.6					
						1.0	0.6	94	17.8	7.9	7.9	29.5	29.5	98.4	98.5	7.9	7.9	25.3	7.9	20	77	77	77	77	77	77	77	77	77	77	77	77		
					Middle	3.9	0.5	91	17.5	7.9	7.9	29.6	29.6	97.9	97.9	7.8	7.8	40.5	7.8	23	81	81	81	81	81	81	81	81	81	81	81	81	81	
						3.9	0.5	95	17.5	7.9	7.9	29.6	29.6	97.9	97.9	7.8	7.8	40.3	7.8	23	79	79	79	79	79	79	79	79	79	79	79	79	79	79
					Bottom	6.7	0.5	85	17.5	7.9	7.9	29.6	29.6	98.9	98.9	7.9	7.9	56.9	7.9	56	83	83	83	83	83	83	83	83	83	83	83	83	83	83
						6.7	0.5	88	17.5	7.9	7.9	29.6	29.6	98.9	98.9	7.9	7.9	56.9	7.9	60	84	84	84	84	84	84	84	84	84	84	84	84	84	84
IM10	Fine	Moderate	14:17	7.5	Surface	1.0	0.6	92	17.8	7.9	7.9	29.4	29.4	99.1	99.1	7.9	7.9	19.4	7.9	17	78	80	80	822235	809857	<0.2	<0.2	1.0	1.0					
						1.0	0.6	92	17.8	7.9	7.9	29.4	29.4	99.1	99.1	7.9	7.9	19.6	7.9	18	77	77	77	77	77	77	77	77	77	77	77			
					Middle	3.8	0.5	90	17.7	7.9	7.9	29.3	29.3	99.2	99.2	7.9	7.9	23.6	7.9	20	79	79	79	79	79	79	79	79	79	79	79	79	79	
						3.8	0.5	90	17.7	7.9	7.9	29.3	29.3	99.2	99.2	7.9	7.9	23.9	7.9	18	80	80	80	80	80	80	80	80	80	80	80	80	80	
					Bottom	6.5	0.4	97	17.6	7.9	7.9	29.4	29.4	100.5	100.5	8.1	8.1	30.2	8.1	33	82	82	82	82	82	82	82	82	82	82	82	82	82	82
						6.5	0.4	100	17.6	7.9	7.9	29.4	29.4	100.5	100.5	8.1	8.1	30.2	8.1	33	83	83	83	83	83	83	83	83	83	83	83	83	83	83
IM11	Fine	Moderate	14:24	7.0	Surface	1.0	0.7	101	18.0	7.9	7.9	29.1	29.1	99.3	99.3	7.9	7.9	8.8	7.9	11	78	80	80	821484	810540	<0.2	<0.2	1.0	1.0					
						1.0	0.8	108	18.0	7.9	7.9	29.1	29.1	99.3	99.3	7.9	7.9	8.9	7.9	10	80	80	80	80	80	80	80	80	80	80	80			
					Middle	3.5	0.6	108	17.8	7.9	7.9	29.2	29.2	98.8	98.8	7.9	7.9	12.0	7.9	14	81	81	81	81	81	81	81	81	81	81	81	81	81	
						3.5	0.6	110	17.8	7.9	7.9	29.2	29.2	98.8	98.8	7.9	7.9	12.1	7.9	14	82	82	82	82	82	82	82	82	82	82	82	82	82	
					Bottom	6.0	0.6	105	17.6	7.9	7.9	29.3	29.3	100.2	100.2	8.0	8.0	13.5	8.0	15	84	84	84	84	84	84	84	84	84	84	84	84	84	
						6.0	0.6	112	17.6	7.9	7.9	29.3	29.3	100.2	100.2	8.0	8.0	13.4	8.0	17	83	83	83	83	83	83	83	83	83	83	83	83	83	
IM12	Fine	Moderate	14:32	8.5	Surface	1.0	0.7	99	17.9	7.9	7.9	29.2	29.2	99.4	99.4	7.9	7.9	7.9	7.9	9	79	80	80	821154	811511	<0.2	<0.2	1.0	1.0					
						1.0	0.7	102	17.9	7.9	7.9	29.2	29.2	99.3	99.3	7.9	7.9	8.0	7.9	10	80	80	80	80	80	80	80	80	80	80				
					Middle	4.3	0.6	92	17.8	7.9	7.9	29.3	29.3	99.6	99.6	8.0	8.0	8.0	8.0	12	82	82	82	82	82	82	82	82	82	82	82	82		
						4.3	0.7	98	17.8	7.9	7.9	29.3	29.3	99.6	99.6	8.0	8.0	8.0	8.0	14	80	80	80	80	80	80	80	80	80	80	80			
					Bottom	7.5	0.4	104	17.7	7.9	7.9	29.3	29.3	100.7	100.8	8.0	8.1	8.0	8.0	14	84	84	84	84	84	84	84	84	84	84	84	84	84	
						7.5	0.4	113	17.7	7.9	7.9	29.3	29.3	100.8	100.8	8.1	8.1	8.0	8.0	13	85	85	85	85	85	85	85	85	85	85	85	85	85	
SR2	Fine	Moderate	15:06	4.8	Surface	1.0	0.5	85	17.7	7.9	7.9	29.4	29.4	97.1	97.1	7.8	7.8	9.8	7.8	10	79	79	79	821455	814179	<0.2	<0.2	0.9	0.9					
						1.0	0.5	85	17.7	7.9	7.9	29.4	29.4	97.1	97.1	7.8	7.8	9.8	7.8	10	79	79	79	79	79	79	79	79	79	79				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
					Bottom	3.8	0.4	86	17.7	7.9	7.9	29.4	29.4	97.7	97.7	7.8	7.8	12.4	7.8	12	83	83	83	83	83	83	83	83	83	83	83	83	83	
						3.8	0.4	89	17.7	7.9	7.9	29.4	29.4	97.7	97.7	7.8	7.8	12.6	7.8	13	83	83	83	83	83	83	83	83	83	83	83	83	83	
SR3	Fine	Moderate	13:55	9.5	Surface	1.0	0.5	137	18.2	7.8	7.9	27.7	27.7	97.7	97.7	7.8	7.8	6.9	7.8	11	-	-	-	822143	807578	-	-	-	-					
						1.0	0.5	145	18.2	7.9	7.9	27.7	27.7	97.7	97.7	7.8	7.8	6.8	7.8	9	-	-	-	-	-	-	-	-	-					
					Middle	4.8	0.5	94	17.9	7.9	7.9	28.5	28.5	97.3	97.3	7.8	7.8	19.0	7.8	15	-	-	-	-	-	-	-	-	-	-				
						4.8	0.6	102	17.9	7.9	7.9	28.5	28.5	97.3	97.3	7.8	7.8	19.2	7.8	14	-	-	-	-	-	-	-	-	-					
					Bottom	8.5	0.5	86	17.7	7.9	7.9	28.9	28.9	96.9	96.9	7.8	7.8	23.4	7.8	17	-	-	-	-	-	-	-	-	-					
						8.5	0.5	90	17.7	7.9	7.9	28.9	28.9	96.9	96.9	7.8	7.8	23.4	7.8	18	-	-	-	-	-	-	-	-	-					
SR4A	Sunny	Moderate	15:34	7.9	Surface	1.0	0.4	107	14.6	7.8	7.8	34.3	34.3	96.9	96.9	8.0	8.0	17.1	8.0	23	-	-	-	817199	807816	-	-	-	-					
						1.0	0.4	112	14.6	7.8	7.8	34.3	34.3	96.9	96.9	8.0	8.0	17.1	8.0	24	-	-	-	-	-	-	-							
					Middle	4.0	0.4	100	14.5	7.8	7.8	34.3	34.3	96.8	96.8	8.0	8.0	19.1	8.0	23	-	-	-	-	-	-	-	-						
						4.0	0.4	104	14.5	7.8	7.8	34.3	34.3	96.8	96.8	8.0	8.0	19.2	8.0	25	-	-	-	-	-	-	-							
					Bottom	6.9	0.4	121	14.6	7.9	7.9	34.4	34.4	97.2	97.2	8.0	8.0	18.9	8.0	24	-	-	-	-	-	-	-	-						
						6.9	0.4	123	14.6	7.9	7.9	34.4	34.4	97.2	97.2	8.0	8.0	19.0	8.0	25	-	-	-	-	-	-	-							
SR5A	Sunny	Calm	15:51	4.6	Surface	1.0	0.1	175	15.4	7.8	7.8	34.1	34.1	102.6	102.7	8.3	8.3	6.5	8.3	10	-	-	-	816597	810693	-	-	-	-					
						1.0	0.1	186	15.4	7.8	7.8	34.1	34.1	102.7	102.7	8.3	8.3	6.5	8.3	8	-	-	-	-	-	-								
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-						
					Bottom	3.6	0.1	194	15.1	7.8	7.8	34.2	34.2	101.1	101.1	8.3	8.3	9.2	8.3	10	-	-	-	-	-	-	-	-						
						3.6	0.1	209	15.1	7.8	7.8	34.2	34.2	101.1	101.1	8.3	8.3	9.1	8.3	8	-	-	-	-	-	-	-							
SR6	Sunny	Calm	16:15	3.7	Surface	1.0	0.2	121	14.8	7.8	7.8	34.1	34.1	99.8	99.8	8.2	8.2	7.5	8.2	10	-	-	-	817912	814675									

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

**Water Quality Monitoring Results on 16 February 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	10:26	8.6	Surface	1.0	0.6	65	14.8	7.8	7.8	32.5	32.5	97.1	97.1	8.0	8.0	9.4	8.0	13	18	83	84	815639	804232	<0.2	<0.2	1.0	0.9			
						1.0	0.6	69	14.8	7.8	7.8	32.5	32.5	97.1	97.1	8.1	8.0	9.4	8.0	13	18	83	84	<0.2	<0.2	0.8	0.9					
					Middle	4.3	0.5	75	14.7	7.8	7.8	32.7	32.7	96.7	96.8	8.0	8.0	13.5	16.7	16	18	84	84	<0.2	<0.2	0.9	0.9					
						4.3	0.5	80	14.7	7.8	7.8	32.7	32.7	96.8	96.8	8.0	8.0	13.6	16.7	18	18	84	84	<0.2	<0.2	0.9	0.9					
					Bottom	7.6	0.5	71	14.6	7.8	7.8	32.9	32.9	97.3	97.3	8.1	8.1	27.4	8.1	26.7	24	24	85	85	<0.2	<0.2	0.9	0.8				
						7.6	0.5	71	14.6	7.8	7.8	32.9	32.9	97.3	97.3	8.1	8.1	26.7	8.1	26.7	24	24	85	85	<0.2	<0.2	0.8	0.8				
C2	Sunny	Moderate	11:29	12.2	Surface	1.0	0.5	157	18.2	7.9	7.9	25.9	25.9	95.7	95.7	7.7	7.7	6.0	7.7	3	6	79	81	825663	806963	<0.2	<0.2	2.3	1.8			
						1.0	0.5	164	18.2	7.9	7.9	25.9	25.9	95.7	95.7	7.7	7.7	6.0	7.7	3	6	80	81	<0.2	<0.2	2.3	1.6					
					Middle	6.1	0.6	194	17.9	7.9	7.9	27.5	27.5	94.8	94.8	7.6	7.6	10.2	9.5	5	6	81	81	<0.2	<0.2	1.6	1.6					
						6.1	0.6	199	17.9	7.9	7.9	27.5	27.5	94.8	94.8	7.6	7.6	10.2	9.5	5	6	81	81	<0.2	<0.2	1.6	1.6					
					Bottom	11.2	0.4	255	17.9	7.9	7.9	27.6	27.6	95.5	95.5	7.7	7.7	12.2	7.7	12.2	10	10	84	82	<0.2	<0.2	1.6	1.6				
						11.2	0.4	256	17.9	7.9	7.9	27.6	27.6	95.5	95.5	7.7	7.7	12.2	7.7	12.2	10	10	82	82	<0.2	<0.2	1.6	1.6				
C3	Sunny	Moderate	09:33	11.3	Surface	1.0	0.5	262	17.9	7.9	7.9	28.8	28.8	96.7	96.7	7.7	7.7	5.3	7.7	7	10	80	82	822115	817784	<0.2	<0.2	1.1	1.0			
						1.0	0.5	272	17.9	7.9	7.9	28.8	28.8	96.6	96.7	7.7	7.7	5.3	7.7	5	10	79	81	<0.2	<0.2	1.1	1.0					
					Middle	5.7	0.5	266	17.8	7.9	7.9	29.2	29.2	96.1	96.1	7.7	7.7	7.9	9.0	10	10	82	82	<0.2	<0.2	0.9	1.0					
						5.7	0.6	283	17.8	7.9	7.9	29.2	29.2	96.1	96.1	7.7	7.7	7.9	9.0	10	10	81	81	<0.2	<0.2	1.1	1.0					
					Bottom	10.3	0.4	264	17.8	7.9	7.9	29.2	29.2	96.0	96.0	7.7	7.7	13.8	7.7	13.8	13	13	86	86	<0.2	<0.2	1.0	1.0				
						10.3	0.4	276	17.8	7.9	7.9	29.2	29.2	96.0	96.0	7.7	7.7	13.8	7.7	13.8	13	13	86	86	<0.2	<0.2	1.0	1.0				
IM1	Sunny	Moderate	10:44	7.7	Surface	1.0	0.6	84	15.2	8.0	8.0	31.8	31.8	97.0	97.0	8.0	8.0	5.2	8.0	9	15	80	81	818366	806453	<0.2	<0.2	1.2	1.2			
						1.0	0.7	88	15.2	8.0	8.0	31.8	31.8	97.0	97.0	8.0	8.0	5.2	8.0	9	15	80	81	<0.2	<0.2	1.4	1.2					
					Middle	3.9	0.6	145	14.8	8.0	8.0	32.2	32.2	96.1	96.1	8.0	8.0	7.5	16.3	12	15	81	81	<0.2	<0.2	1.2	1.1					
						3.9	0.6	147	14.8	8.0	8.0	32.2	32.2	96.1	96.1	8.0	8.0	7.3	16.3	12	15	81	81	<0.2	<0.2	1.1	1.1					
					Bottom	6.7	0.5	164	14.6	8.0	8.0	32.7	32.7	95.4	95.4	7.9	7.9	36.2	7.9	36.3	23	23	82	82	<0.2	<0.2	0.9	1.1				
						6.7	0.5	178	14.6	8.0	8.0	32.7	32.7	95.4	95.4	7.9	7.9	36.3	7.9	36.3	23	23	82	82	<0.2	<0.2	1.1	1.1				
IM2	Sunny	Moderate	10:50	8.5	Surface	1.0	0.8	106	15.3	7.9	7.9	31.4	31.4	96.9	96.9	8.0	8.0	4.8	8.0	7	21	81	81	818851	806173	<0.2	<0.2	1.3	1.3			
						1.0	0.8	114	15.3	7.9	7.9	31.4	31.4	96.9	96.9	8.0	8.0	4.8	8.0	6	21	80	81	<0.2	<0.2	1.4	1.3					
					Middle	4.3	0.7	105	14.7	7.9	7.9	32.4	32.4	95.8	95.8	8.0	8.0	16.9	17.5	22	21	81	82	<0.2	<0.2	1.3	1.2					
						4.3	0.8	112	14.7	7.9	7.9	32.4	32.4	95.8	95.8	8.0	8.0	17.0	17.5	21	21	82	82	<0.2	<0.2	1.2	1.2					
					Bottom	7.5	0.6	117	14.7	7.9	7.9	32.4	32.4	95.8	95.8	8.0	8.0	30.9	8.0	30.3	35	35	82	82	<0.2	<0.2	1.2	1.2				
						7.5	0.6	126	14.7	7.9	7.9	32.4	32.4	95.8	95.8	8.0	8.0	30.3	8.0	30.3	35	35	82	82	<0.2	<0.2	1.2	1.2				
IM3	Sunny	Moderate	10:58	8.6	Surface	1.0	0.6	123	15.1	7.8	7.8	31.2	31.2	96.4	96.4	8.0	8.0	4.6	8.0	6	23	80	81	819397	806002	<0.2	<0.2	1.6	1.4			
						1.0	0.7	127	15.1	7.8	7.8	31.2	31.2	96.4	96.4	8.0	8.0	4.6	8.0	7	23	81	81	<0.2	<0.2	1.5	1.3					
					Middle	4.3	0.5	102	14.8	7.9	7.9	32.0	32.0	95.7	95.7	7.9	7.9	11.1	18.6	15	23	81	82	<0.2	<0.2	1.3	1.3					
						4.3	0.6	102	14.8	7.8	7.9	32.0	32.0	95.7	95.7	8.0	8.0	11.3	18.6	15	23	82	82	<0.2	<0.2	1.3	1.3					
					Bottom	7.6	0.5	98	14.8	7.9	7.9	32.3	32.3	95.8	95.8	8.0	8.0	39.9	8.0	39.8	49	49	82	82	<0.2	<0.2	1.2	1.4				
						7.6	0.5	106	14.8	7.9	7.9	32.3	32.3	95.8	95.8	8.0	8.0	39.9	8.0	39.8	49	49	82	82	<0.2	<0.2	1.2	1.4				
IM4	Sunny	Moderate	11:08	8.1	Surface	1.0	0.7	117	15.2	7.8	7.8	31.4	31.4	97.3	97.4	8.1	8.1	5.2	8.1	13	19	82	83	819572	805033	<0.2	<0.2	1.7	1.4			
						1.0	0.7	117	15.1	7.8	7.8	31.4	31.4	97.4	97.4	8.1	8.1	5.3	8.1	11	19	82	83	<0.2	<0.2	1.5	1.4					
					Middle	4.1	0.7	99	14.9	7.8	7.8	31.9	31.9	96.7	96.7	8.0	8.0	7.2	13.3	12	19	82	83	<0.2	<0.2	1.3	1.4					
						4.1	0.7	101	14.9	7.8	7.8	31.9	31.9	96.7	96.7	8.0	8.0	7.4	13.3	13	19	83	83	<0.2	<0.2	1.4	1.4					
					Bottom	7.1	0.7	112	14.8	7.8	7.8	32.4	32.4	97.0	97.1	8.0	8.1	27.7	8.1	26.7	33	33	84	84	<0.2	<0.2	1.2	1.1				
						7.1	0.7	121	14.8	7.8	7.8	32.4	32.4	97.1	97.1	8.1	8.1	26.7	8.1	26.7	33	33	84	84	<0.2	<0.2	1.1	1.1				
IM5	Sunny	Moderate	11:17	6.9	Surface	1.0	0.6	143	15.1	7.8	7.8	31.4	31.4	96.8	96.9	8.0	8.0	3.7	8.0	5	21	79	80	820549	804919	<0.2	<0.2	1.5	1.4			
						1.0	0.7	152	15.1	7.8	7.8	31.4	31.4	96.9	96.9	8.0	8.0	3.7	8.0	3	21	80	81	<0.2	<0.2	1.4	1.4					
					Middle	3.5	0.5	107	14.9	7.8	7.8	31.9	31.9	96.1	96.1	8.0	8.0	18.6	21.8	13	21	80	81	<0.2	<0.2	1.4	1.4					
						3.5	0.5	112	14.9	7.8	7.8	31.9	31.9	96.1	96.1	8.0	8.0	18.4	21.8	14	21	81	81	<0.2	<0.2	1.4	1.4					
					Bottom	5.9	0.5	97	14.8	7.8	7.8	32.1	32.1	96.4	96.4	8.0	8.0	43.4	8.0	43.2	44	44	81	81	<0.2	<0.2	1.2	1.4				
						5.9	0.6	106	14.8	7.8	7.8	32.1	32.1	96.4	96.4	8.0	8.0	43.2	8.0	43.2	44	44	81	81	<0.2	<0.2	1.2	1.4				
IM6	Sunny	Moderate	11:26	7.1	Surface	1.0	0.7	79	15.4	7.8	7.8	31.3	31.3	96.8	96.8	8.0	8.0	4.3	8.0	6	15	81	81	821068	805838	<0.2	<0.2	1.5	1.5			
						1.0	0.8	81	15.4	7.8	7.8	31.3	31.3	96.8	96.8	8.0	8															

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

**Water Quality Monitoring Results on 16 February 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	10:59	7.5	Surface	1.0	0.4	259	18.1	18.1	7.9	7.9	27.4	27.4	97.7	97.7	7.8	7.8	6.6	6.6	6	6	82	82	83	822079	808804	<0.2	<0.2	1.8	1.8				
						1.0	0.4	279	18.1	18.1	7.9	7.9	27.4	27.4	97.7	97.7	7.8	7.8	6.6	6.6	6	6	81	81											
					Middle	3.8	0.4	264	18.0	18.0	7.9	7.9	27.8	27.8	97.3	97.3	7.8	7.8	9.4	9.4	8	8	82	82											
						3.8	0.4	273	18.0	18.0	7.9	7.9	27.8	27.8	97.3	97.3	7.8	7.8	9.4	9.4	8	8	82	82											
					Bottom	6.5	0.3	266	18.0	18.0	7.9	7.9	27.8	27.8	97.5	97.5	7.8	7.8	9.7	9.7	13	13	9	9				85	85						
						6.5	0.3	277	18.0	18.0	7.9	7.9	27.8	27.8	97.5	97.5	7.8	7.8	9.7	9.7	13	13	9	9				84	84						
IM10	Sunny	Moderate	10:52	8.2	Surface	1.0	0.6	301	18.2	18.2	7.9	7.9	28.0	28.0	97.7	97.7	7.8	7.8	9.0	9.0	6	6	83	83	83	822248	809845	<0.2	<0.2	1.3	1.3				
						1.0	0.6	302	18.2	18.2	7.9	7.9	28.0	28.0	97.7	97.7	7.8	7.8	9.1	9.1	7	7	82	82											
					Middle	4.1	0.6	301	17.8	17.8	7.9	7.9	28.5	28.5	96.9	96.9	7.8	7.8	15.6	15.6	11	11	83	83											
						4.1	0.6	317	17.8	17.8	7.9	7.9	28.5	28.5	96.9	96.9	7.8	7.8	15.6	15.6	10	10	83	83											
					Bottom	7.2	0.4	288	17.8	17.8	7.9	7.9	28.6	28.6	97.4	97.5	7.8	7.8	23.5	23.5	23	23	13	13				85	85						
						7.2	0.5	315	17.8	17.8	7.9	7.9	28.6	28.6	97.5	97.5	7.8	7.8	23.8	23.8	21	21	13	13				84	84						
IM11	Sunny	Moderate	10:45	8.2	Surface	1.0	0.7	277	18.0	18.0	7.9	7.9	27.9	27.9	98.3	98.3	7.9	7.9	7.0	7.0	9	9	83	83	84	821483	810546	<0.2	<0.2	1.5	1.5				
						1.0	0.8	284	18.0	18.0	7.9	7.9	27.9	27.9	98.3	98.3	7.9	7.9	7.0	7.0	8	8	83	83											
					Middle	4.1	0.7	283	17.8	17.8	7.9	7.9	28.5	28.5	97.6	97.6	7.8	7.8	11.7	11.7	24	24	85	85											
						4.1	0.7	292	17.8	17.8	7.9	7.9	28.5	28.5	97.6	97.6	7.8	7.8	11.7	11.7	25	25	85	85											
					Bottom	7.2	0.5	276	17.7	17.7	7.9	7.9	28.8	28.8	97.3	97.3	7.8	7.8	23.7	23.7	28	28	20	20				85	85						
						7.2	0.5	282	17.7	17.7	7.9	7.9	28.8	28.8	97.3	97.3	7.8	7.8	23.3	23.3	27	27	20	20				85	85						
IM12	Sunny	Moderate	10:38	8.6	Surface	1.0	0.7	275	17.9	17.9	7.9	7.9	28.9	28.9	97.4	97.4	7.8	7.8	11.6	11.6	12	12	83	83	84	821150	811534	<0.2	<0.2	1.4	1.4				
						1.0	0.8	298	17.9	17.9	7.9	7.9	28.9	28.9	97.4	97.4	7.8	7.8	11.6	11.6	13	13	82	82											
					Middle	4.3	0.6	271	17.7	17.7	7.9	7.9	29.1	29.1	96.9	96.9	7.8	7.8	12.8	12.8	15	15	84	84											
						4.3	0.6	297	17.7	17.7	7.9	7.9	29.1	29.1	96.9	96.9	7.8	7.8	12.8	12.8	14	14	83	83											
					Bottom	7.6	0.5	278	17.7	17.7	7.9	7.9	29.1	29.1	96.9	96.9	7.8	7.8	14.4	14.4	17	17	15	15				86	86						
						7.6	0.6	278	17.7	17.7	7.9	7.9	29.1	29.1	96.9	96.9	7.8	7.8	14.4	14.4	16	16	15	15				85	85						
SR2	Sunny	Moderate	10:08	4.0	Surface	1.0	0.2	155	17.8	17.8	7.9	7.9	28.9	28.9	96.7	96.7	7.7	7.7	16.4	16.4	18	18	82	82	84	821475	814146	<0.2	<0.2	1.1	1.1				
						1.0	0.2	163	17.8	17.8	7.9	7.9	28.9	28.9	96.7	96.7	7.7	7.7	16.1	16.1	17	17	81	81											
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	3.0	0.2	141	17.8	17.8	7.9	7.9	28.9	28.9	96.6	96.6	7.7	7.7	18.1	18.1	27	27	22	22				87	87						
						3.0	0.2	142	17.8	17.8	7.9	7.9	28.9	28.9	96.6	96.6	7.7	7.7	18.1	18.1	27	27	22	22				86	86						
SR3	Sunny	Moderate	11:10	8.9	Surface	1.0	0.4	175	18.1	18.1	7.9	7.9	26.0	26.0	97.3	97.3	7.9	7.9	5.0	5.0	7	7	-	-	84	822163	807553	-	-	-	-				
						1.0	0.4	185	18.1	18.1	7.9	7.9	26.0	26.0	97.3	97.3	7.9	7.9	5.0	5.0	5	5	-	-											
					Middle	4.5	0.5	191	18.0	18.0	7.9	7.9	26.8	26.8	96.8	96.8	7.8	7.8	6.9	6.9	9	9	11	11				-	-						
						4.5	0.5	210	18.0	18.0	7.9	7.9	26.8	26.8	96.8	96.8	7.8	7.8	6.9	6.9	10	10	11	11											
					Bottom	7.9	0.4	195	17.9	17.9	7.9	7.9	27.8	27.8	96.8	96.8	7.8	7.8	15.8	15.8	18	18	15	15				-	-						
						7.9	0.4	205	17.9	17.9	7.9	7.9	27.8	27.8	96.8	96.8	7.8	7.8	15.8	15.8	18	18	15	15				-	-						
SR4A	Sunny	Moderate	10:03	8.9	Surface	1.0	0.4	239	14.8	14.8	7.8	7.8	32.7	32.7	96.2	96.2	8.0	8.0	18.0	18.0	23	23	-	-	84	817204	807810	-	-	-	-				
						1.0	0.4	242	14.8	14.8	7.8	7.8	32.7	32.7	96.2	96.2	8.0	8.0	18.0	18.0	24	24	-	-											
					Middle	4.5	0.3	243	14.8	14.8	7.8	7.8	32.7	32.7	96.2	96.2	8.0	8.0	20.1	20.1	22	22	23	23				-	-						
						4.5	0.3	263	14.8	14.8	7.8	7.8	32.7	32.7	96.2	96.2	8.0	8.0	20.2	20.2	22	22	23	23											
					Bottom	7.9	0.3	241	14.8	14.8	7.8	7.8	32.7	32.7	96.6	96.6	8.0	8.0	18.8	18.8	24	24	23	23				-	-						
						7.9	0.3	262	14.8	14.8	7.8	7.8	32.7	32.7	96.6	96.6	8.0	8.0	18.7	18.7	22	22	23	23				-	-						
SR5A	Sunny	Moderate	09:45	4.1	Surface	1.0	0.4	256	14.7	14.7	7.8	7.8	32.3	32.3	97.0	97.1	8.1	8.1	13.1	13.1	14	14	-	-	84	816609	810685	-	-	-	-				
						1.0	0.4	269	14.7	14.7	7.8	7.8	32.3	32.3	97.1	97.1	8.1	8.1	13.2	13.2	13	13	-	-											
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
					Bottom	3.1	0.3	260	14.6	14.6	7.8	7.8	32.3	32.3	97.2	97.3	8.1	8.1	11.0	11.0	14	14	14	14				-	-						
						3.1	0.4	268	14.6	14.6	7.8	7.8	32.3	32.3	97.3	97.3	8.1	8.1	11.0	11.0	16	16	14	14				-	-						
SR6	Sunny	Moderate	09:20	4.5	Surface	1.0	0.2	240	14.6	14.6	7.8	7.8	30.4	30.4	94.5	94.5	8.0	8.0	51.3	51.3	74	74	-	-	84	817894	814648	-	-	-	-				
						1.0	0.2	263	14.6	14.6	7.8	7.8	30.4	30.4	94.5	94.5	8.0	8.0	51.4	51.4	75	75	-	-											
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
					Bottom	3.5	0.2	234	14.6	14.6	7.8	7.8	30.3	30.3	94.5	94.6	8.0	8.0	57.3	57.3	78	78	76	76				-	-						
						3.5	0.2	257	14.6	14.6	7.8	7.8	30.3	30.3	94.6	94.6	8.0	8.0	57.3	57.3	78	78	76	76				-	-						
SR7	Sunny	Moderate	08:47	17.2	Surface	1.0	0.2	170	17.7	17.7	7.9	7.9	29.3	29.3	95.8	95.8	7.7	7.7	4.7	4.7	7	7	-	-											

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

**Water Quality Monitoring Results on 16 February 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	15:41	8.5	Surface	1.0	0.2	159	15.0	15.0	7.9	7.9	33.6	33.6	98.4	98.4	8.1	8.1	6.7	6.7	9	9	83	83	84	84	815609	804266	<0.2	<0.2	0.8	0.8		
						1.0	0.2	169	15.0	7.9	7.9	33.6	33.6	98.4	98.4	8.1	8.1	6.8	6.8	7	7	83	83	84	84	815609	804266	<0.2	<0.2	0.8	0.8			
					Middle	4.3	0.2	160	14.6	14.6	7.9	7.9	34.1	34.1	97.3	97.3	8.0	8.0	8.1	8.1	8.5	8.5	11	11	83	83	84	84	815609	804266	<0.2	<0.2	0.6	0.6
						4.3	0.2	164	14.6	14.6	7.9	7.9	34.1	34.1	97.2	97.3	8.0	8.0	8.6	8.6	13	13	84	84	84	84	815609	804266	<0.2	<0.2	0.8	0.8		
					Bottom	7.5	0.3	163	14.5	14.5	7.9	7.9	34.4	34.4	97.1	97.1	8.0	8.0	10.6	10.6	12	12	84	84	85	85	84	84	815609	804266	<0.2	<0.2	0.9	0.9
						7.5	0.3	175	14.5	14.5	7.9	7.9	34.4	34.4	97.1	97.1	8.0	8.0	10.7	10.7	13	13	85	85	85	85	84	84	815609	804266	<0.2	<0.2	0.8	0.8
C2	Sunny	Moderate	14:41	12.3	Surface	1.0	0.3	110	18.4	18.4	7.9	7.9	26.9	26.9	96.7	96.7	7.7	7.7	10.1	10.1	4	4	82	82	84	84	825700	806933	<0.2	<0.2	2.2	2.2		
						1.0	0.3	120	18.4	18.4	7.9	7.9	26.9	26.9	96.7	96.7	7.7	7.7	10.1	10.1	5	5	81	81	84	84	825700	806933	<0.2	<0.2	2.4	2.4		
					Middle	6.2	0.2	154	17.9	17.9	7.9	7.9	28.2	28.2	95.3	95.3	7.6	7.6	13.9	13.9	9	9	84	84	84	84	825700	806933	<0.2	<0.2	1.9	1.9		
						6.2	0.2	164	17.9	17.9	7.9	7.9	28.2	28.2	95.3	95.3	7.6	7.6	13.9	13.9	8	8	84	84	85	85	825700	806933	<0.2	<0.2	1.9	1.9		
					Bottom	11.3	0.2	221	17.9	17.9	7.9	7.9	29.0	29.0	95.7	95.7	7.6	7.6	12.0	12.0	13	13	85	85	85	85	825700	806933	<0.2	<0.2	1.5	1.5		
						11.3	0.2	233	17.9	17.9	7.9	7.9	29.0	29.0	95.7	95.7	7.6	7.6	12.0	12.0	15	15	85	85	85	85	825700	806933	<0.2	<0.2	1.3	1.3		
C3	Sunny	Moderate	17:05	12.0	Surface	1.0	0.4	72	18.0	18.0	7.9	7.9	29.1	29.1	96.2	96.2	7.6	7.6	6.1	6.1	4	4	76	76	80	80	822102	817805	<0.2	<0.2	1.0	1.0		
						1.0	0.4	74	18.0	18.0	7.9	7.9	29.1	29.1	96.2	96.2	7.6	7.6	6.1	6.1	6	6	76	76	80	80	822102	817805	<0.2	<0.2	1.1	1.1		
					Middle	6.0	0.3	86	17.9	17.9	7.9	7.9	29.4	29.4	94.2	94.2	7.5	7.5	7.8	7.8	6	6	81	81	80	80	822102	817805	<0.2	<0.2	1.0	1.0		
						6.0	0.3	87	17.9	17.9	7.9	7.9	29.4	29.4	94.2	94.2	7.5	7.5	7.8	7.8	5	5	82	82	80	80	822102	817805	<0.2	<0.2	1.0	1.0		
					Bottom	11.0	0.2	96	17.8	17.8	7.9	7.9	29.7	29.7	93.6	93.6	7.5	7.5	7.8	7.8	6	6	83	83	84	84	822102	817805	<0.2	<0.2	0.8	0.8		
						11.0	0.3	99	17.8	17.8	7.9	7.9	29.7	29.7	93.6	93.6	7.5	7.5	7.8	7.8	6	6	84	84	84	84	822102	817805	<0.2	<0.2	0.8	0.8		
IM1	Sunny	Moderate	15:22	7.7	Surface	1.0	0.3	148	15.2	15.2	7.9	7.9	33.9	33.9	98.5	98.5	8.0	8.0	9.8	9.8	13	13	82	82	83	83	818367	806458	<0.2	<0.2	0.7	0.7		
						1.0	0.3	152	15.2	15.2	7.9	7.9	33.9	33.9	98.5	98.5	8.0	8.0	9.7	9.7	11	11	83	83	83	83	818367	806458	<0.2	<0.2	0.7	0.7		
					Middle	3.9	0.2	189	15.0	15.0	7.9	7.9	34.0	34.0	97.5	97.6	8.0	8.0	12.1	12.1	14	14	83	83	83	83	818367	806458	<0.2	<0.2	0.6	0.6		
						3.9	0.3	203	15.0	15.0	7.9	7.9	34.0	34.0	97.6	97.6	8.0	8.0	12.1	12.1	14	14	83	83	83	83	818367	806458	<0.2	<0.2	0.6	0.6		
					Bottom	6.7	0.2	191	14.8	14.8	7.9	7.9	34.1	34.1	97.6	97.6	8.0	8.0	14.3	14.3	21	21	84	84	83	83	818367	806458	<0.2	<0.2	0.5	0.5		
						6.7	0.2	198	14.8	14.8	7.9	7.9	34.1	34.1	97.6	97.6	8.0	8.0	14.2	14.2	21	21	83	83	83	83	818367	806458	<0.2	<0.2	0.5	0.5		
IM2	Sunny	Moderate	15:17	8.9	Surface	1.0	0.2	127	15.4	15.4	7.9	7.9	33.8	33.8	98.2	98.2	8.0	8.0	11.8	11.8	11	11	80	80	81	81	818862	806181	<0.2	<0.2	0.7	0.7		
						1.0	0.2	133	15.3	15.3	7.9	7.9	33.8	33.8	98.1	98.2	8.0	8.0	12.2	12.2	12	12	80	80	81	81	818862	806181	<0.2	<0.2	0.7	0.7		
					Middle	4.5	0.1	129	14.8	14.8	7.9	7.9	34.0	34.0	97.1	97.1	8.0	8.0	15.4	15.4	12	12	81	81	81	81	818862	806181	<0.2	<0.2	0.8	0.8		
						4.5	0.1	140	14.8	14.8	7.9	7.9	34.0	34.0	97.1	97.1	8.0	8.0	15.4	15.4	14	14	81	81	81	81	818862	806181	<0.2	<0.2	0.8	0.8		
					Bottom	7.9	0.1	175	14.9	14.9	7.9	7.9	34.0	34.0	97.7	97.7	8.0	8.0	14.0	14.0	18	18	81	81	81	81	818862	806181	<0.2	<0.2	0.7	0.7		
						7.9	0.1	188	14.9	14.9	7.9	7.9	34.0	34.0	97.7	97.7	8.0	8.0	13.7	13.7	20	20	81	81	81	81	818862	806181	<0.2	<0.2	0.8	0.8		
IM3	Sunny	Moderate	15:10	8.7	Surface	1.0	0.3	158	15.5	15.5	7.9	7.9	33.6	33.6	99.0	99.0	8.0	8.0	8.6	8.6	9	9	81	81	82	82	819417	806005	<0.2	<0.2	0.8	0.8		
						1.0	0.3	158	15.5	15.5	7.9	7.9	33.6	33.6	99.0	99.0	8.0	8.0	8.7	8.7	8	8	81	81	82	82	819417	806005	<0.2	<0.2	0.8	0.8		
					Middle	4.4	0.3	182	15.1	15.1	7.9	7.9	33.8	33.8	97.8	97.8	8.0	8.0	11.2	11.2	11	11	82	82	82	82	819417	806005	<0.2	<0.2	0.7	0.7		
						4.4	0.3	184	15.1	15.1	7.9	7.9	33.8	33.8	97.8	97.8	8.0	8.0	11.2	11.2	12	12	82	82	82	82	819417	806005	<0.2	<0.2	0.8	0.8		
					Bottom	7.7	0.3	193	14.8	14.8	7.9	7.9	33.9	33.9	97.8	97.8	8.0	8.0	12.9	12.9	16	16	83	83	83	83	819417	806005	<0.2	<0.2	0.8	0.8		
						7.7	0.4	199	14.8	14.8	7.9	7.9	33.9	33.9	97.8	97.8	8.0	8.0	12.9	12.9	18	18	83	83	83	83	819417	806005	<0.2	<0.2	0.7	0.7		
IM4	Sunny	Moderate	15:02	8.2	Surface	1.0	0.3	158	15.6	15.6	8.0	8.0	33.3	33.3	98.9	98.9	8.0	8.0	8.9	8.9	10	10	80	80	81	81	819564	805048	<0.2	<0.2	0.9	0.9		
						1.0	0.3	159	15.6	15.6	8.0	8.0	33.3	33.3	98.8	98.9	8.0	8.0	9.0	9.0	9	9	80	80	81	81	819564	805048	<0.2	<0.2	0.9	0.9		
					Middle	4.1	0.3	156	15.0	15.0	8.0	8.0	33.6	33.6	97.4	97.4	8.0	8.0	12.4	12.4	13	13	81	81	81	81	819564	805048	<0.2	<0.2	0.9	0.9		
						4.1	0.3	164	15.0	15.0	8.0	8.0	33.6	33.6	97.4	97.4	8.0	8.0	12.5	12.5	13	13	81	81	81	81	819564	805048	<0.2	<0.2	0.7	0.7		
					Bottom	7.2	0.3	181	14.8	14.8	8.0	8.0	33.8	33.8	97.4	97.4	8.0	8.0	15.0	15.0	14	14	81	81	82	82	819564	805048	<0.2	<0.2	1.1	1.1		
						7.2	0.3	191	14.8	14.8	8.0	8.0	33.8	33.8	97.4	97.4	8.0	8.0	14.8	14.8	15	15	82	82	82	82	819564	805048	<0.2	<0.2	1.0	1.0		
IM5	Sunny	Moderate	14:56	7.1	Surface	1.0	0.3	133	15.2	15.2	7.9	7.9	33.5	33.5	97																			



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

**Water Quality Monitoring Results on 18 February 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	11:30	8.6	Surface	1.0	0.6	115	15.3	8.2	8.2	32.4	32.4	99.6	99.6	8.2	8.2	4.9	8.2	8	11	83	84	815626	804257	<0.2	<0.2	1.2	1.1			
						1.0	0.6	121	15.3	8.2	8.2	32.4	32.4	99.6	99.6	8.2	8.2	4.9	8.2	6	11	83	84	<0.2	<0.2	1.3	1.1					
					Middle	4.3	0.6	78	14.9	8.3	8.3	33.4	33.5	98.1	98.1	8.1	8.1	9.2	11.1	9	11	84	84	<0.2	<0.2	1.5	1.1					
						4.3	0.7	84	14.8	8.3	8.3	33.5	33.5	98.0	98.1	8.1	8.1	9.4	11.1	8	11	84	84	<0.2	<0.2	1.4	1.1					
					Bottom	7.6	0.5	80	14.3	8.3	8.3	34.7	34.7	97.2	97.2	8.0	8.0	19.2	8.0	18	11	84	84	<0.2	<0.2	0.7	1.1					
						7.6	0.5	80	14.3	8.3	8.3	34.7	34.7	97.2	97.2	8.0	8.0	19.1	8.0	19	11	85	85	<0.2	<0.2	0.7	1.1					
C2	Fine	Moderate	12:05	12.4	Surface	1.0	0.4	199	18.8	7.9	7.9	25.5	25.5	99.6	99.6	8.0	7.9	3.0	7.3	4	4	80	81	825676	806944	<0.2	<0.2	3.0	2.3			
						1.0	0.5	207	18.8	7.9	7.9	25.5	25.5	99.6	99.6	8.0	7.9	3.0	7.3	4	4	76	81	<0.2	<0.2	3.0	2.3					
					Middle	6.2	0.5	302	18.6	7.9	7.9	27.3	27.3	97.7	97.7	7.8	7.8	3.5	7.3	3	4	83	81	<0.2	<0.2	2.2	2.3					
						6.2	0.5	302	18.6	7.9	7.9	27.3	27.3	97.7	97.7	7.8	7.8	3.6	7.3	4	4	81	81	<0.2	<0.2	2.2	2.3					
					Bottom	11.4	0.4	198	18.4	7.9	7.9	27.8	27.8	96.5	96.5	7.7	7.7	15.4	7.7	4	7.7	84	81	<0.2	<0.2	1.8	2.3					
						11.4	0.4	200	18.4	7.9	7.9	27.8	27.8	96.5	96.5	7.7	7.7	15.4	7.7	2	7.7	83	81	<0.2	<0.2	1.8	2.3					
C3	Fine	Moderate	10:27	11.5	Surface	1.0	0.5	221	18.8	7.9	7.9	27.6	27.6	98.6	98.6	7.8	7.8	2.8	3.3	4	4	79	82	822095	817807	<0.2	<0.2	1.6	1.6			
						1.0	0.5	238	18.8	7.9	7.9	27.6	27.6	98.5	98.6	7.8	7.8	2.8	3.3	3	4	80	82	<0.2	<0.2	1.6	1.6					
					Middle	5.8	0.4	228	18.5	7.9	7.9	28.1	28.1	96.9	96.9	7.7	7.7	3.5	3.3	2	4	83	82	<0.2	<0.2	1.7	1.6					
						5.8	0.5	246	18.5	7.9	7.9	28.1	28.1	96.8	96.9	7.7	7.7	3.5	3.3	3	4	82	82	<0.2	<0.2	1.6	1.6					
					Bottom	10.5	0.5	238	18.3	7.8	7.8	28.7	28.7	97.0	97.1	7.7	7.7	3.6	7.7	4	7.7	85	81	<0.2	<0.2	1.4	1.6					
						10.5	0.5	251	18.3	7.8	7.8	28.7	28.7	97.1	97.1	7.7	7.7	3.7	7.7	5	7.7	85	81	<0.2	<0.2	1.6	1.6					
IM1	Sunny	Moderate	11:48	7.7	Surface	1.0	0.6	134	16.2	8.1	8.1	31.2	31.2	101.6	101.6	8.3	8.3	1.8	6.4	2	6	80	81	818356	806475	<0.2	<0.2	1.8	1.6			
						1.0	0.6	139	16.2	8.1	8.1	31.2	31.2	101.6	101.6	8.3	8.3	1.8	6.4	2	6	80	81	<0.2	<0.2	1.8	1.6					
					Middle	3.9	0.6	187	15.8	8.2	8.2	31.9	31.9	100.7	100.7	8.2	8.2	2.9	6.4	<2	6	81	81	<0.2	<0.2	1.7	1.6					
						3.9	0.6	187	15.8	8.2	8.2	31.9	31.9	100.6	100.6	8.2	8.2	3.0	6.4	3	6	81	81	<0.2	<0.2	1.8	1.6					
					Bottom	6.7	0.5	201	15.2	8.3	8.3	33.2	33.2	99.0	99.0	8.1	8.1	14.3	8.1	12	8.1	82	81	<0.2	<0.2	1.0	1.6					
						6.7	0.6	214	15.2	8.3	8.3	33.2	33.2	99.0	99.0	8.1	8.1	14.4	8.1	13	8.1	82	81	<0.2	<0.2	1.7	1.6					
IM2	Sunny	Moderate	11:54	8.7	Surface	1.0	0.7	127	15.9	7.9	7.9	31.5	31.6	100.0	100.0	8.2	8.1	2.4	4.2	<2	3	81	81	818845	806204	<0.2	<0.2	1.7	1.9			
						1.0	0.7	136	15.9	7.9	7.9	31.6	31.6	99.9	100.0	8.1	8.1	2.4	4.2	<2	3	80	81	<0.2	<0.2	1.7	1.9					
					Middle	4.4	0.6	112	15.6	7.9	7.9	32.5	32.5	98.9	98.9	8.1	8.1	3.9	4.2	<2	3	81	81	<0.2	<0.2	2.3	1.9					
						4.4	0.6	118	15.6	7.9	7.9	32.5	32.5	98.9	98.9	8.1	8.1	3.9	4.2	<2	3	82	81	<0.2	<0.2	2.2	1.9					
					Bottom	7.7	0.5	177	15.4	7.9	7.9	33.1	33.1	98.6	98.6	8.0	8.0	6.2	8.0	6	8.0	82	81	<0.2	<0.2	1.6	1.9					
						7.7	0.6	182	15.4	7.9	7.9	33.1	33.1	98.6	98.6	8.0	8.0	6.4	8.0	6	8.0	82	81	<0.2	<0.2	1.6	1.9					
IM3	Sunny	Moderate	12:01	8.5	Surface	1.0	0.4	128	16.1	7.9	7.9	30.8	30.8	100.5	100.5	8.2	8.2	1.8	3.7	<2	4	79	81	819407	806025	<0.2	<0.2	2.5	1.9			
						1.0	0.4	135	16.1	7.9	7.9	30.7	30.8	100.5	100.5	8.2	8.2	1.7	3.7	<2	4	80	81	<0.2	<0.2	2.3	1.9					
					Middle	4.3	0.4	152	15.8	7.9	7.9	31.6	31.6	99.1	99.1	8.1	8.1	2.8	3.7	4	4	81	81	<0.2	<0.2	2.1	1.9					
						4.3	0.4	165	15.8	7.9	7.9	31.6	31.6	99.0	99.1	8.1	8.1	2.9	3.7	2	4	81	81	<0.2	<0.2	1.9	1.9					
					Bottom	7.5	0.4	133	15.4	7.9	7.9	33.1	33.1	97.9	98.0	8.0	8.0	6.8	8.0	7	8.0	81	81	<0.2	<0.2	1.3	1.9					
						7.5	0.4	139	15.4	7.9	7.9	33.1	33.1	98.0	98.0	8.0	8.0	6.2	8.0	9	8.0	81	81	<0.2	<0.2	1.2	1.9					
IM4	Sunny	Moderate	12:10	8.2	Surface	1.0	0.5	141	16.2	7.8	7.8	28.4	28.4	101.4	101.4	8.4	8.3	1.5	4.8	<2	7	83	83	819579	805026	<0.2	<0.2	2.6	1.8			
						1.0	0.5	149	16.2	7.8	7.8	28.3	28.4	101.4	101.4	8.4	8.3	1.6	4.8	<2	7	83	83	<0.2	<0.2	2.7	1.8					
					Middle	4.1	0.5	106	15.8	7.9	7.9	31.3	31.3	99.5	99.5	8.2	8.1	3.5	4.8	4	7	83	83	<0.2	<0.2	1.7	1.8					
						4.1	0.5	113	15.8	7.9	7.9	31.3	31.3	99.4	99.5	8.1	8.1	3.6	4.8	6	7	83	83	<0.2	<0.2	1.8	1.8					
					Bottom	7.2	0.4	117	15.2	7.9	7.9	33.3	33.3	97.8	97.9	8.0	8.0	9.3	8.0	14	8.0	84	81	<0.2	<0.2	1.0	1.8					
						7.2	0.5	117	15.2	7.9	7.9	33.3	33.3	97.9	97.9	8.0	8.0	9.2	8.0	16	8.0	84	81	<0.2	<0.2	1.1	1.8					
IM5	Sunny	Moderate	12:17	6.9	Surface	1.0	0.6	119	16.0	7.9	7.9	29.5	29.5	100.2	100.2	8.3	8.2	2.1	5.5	2	6	80	81	820547	804936	<0.2	<0.2	2.4	1.6			
						1.0	0.6	119	16.0	7.9	7.9	29.5	29.5	100.1	100.2	8.3	8.2	2.2	5.5	2	6	80	81	<0.2	<0.2	2.3	1.6					
					Middle	3.5	0.5	113	15.7	7.8	7.8	31.5	31.5	98.8	98.8	8.1	8.1	3.3	5.5	4	6	81	81	<0.2	<0.2	1.4	1.6					
						3.5	0.6	122	15.7	7.8	7.8	31.5	31.5	98.8	98.8	8.1	8.1	3.4	5.5	3	6	81	81	<0.2	<0.2	1.6	1.6					
					Bottom	5.9	0.5	117	15.2	7.9	7.9	33.3	33.3	97.2	97.2	8.0	8.0	11.2	8.0	14	8.0	81	81	<0.2	<0.2	1.1	1.6					
						5.9	0.5	126	15.2	7.9	7.9	33.3	33.3	97.2	97.2	8.0	8.0	11.0	8.0	12	8.0	81	81	<0.2	<0.2	0.9	1.6					
IM6	Sunny	Moderate	12:26	7.1	Surface	1.0	0.5	125	16.5	7.8	7.8	30.2	30.2	100.3	100.3	8.2	8.1	1.9	6.4	<2	5	83	84	821058	805810	<0.2	<0.2	2.1	1.4			
						1.0	0.6	125	16.6	7.8	7.8	30.2	30.2	100.3	100.3	8.1	8.1	1.9	6.4	<2	5	83	84	<0.2	<0.2	2.0	1.4					
					Middle	3.6	0.5	76	15.5	7.9	7.9	32.5	32.5	97.4	97.4	8.0	8.0	5.6														





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

**Water Quality Monitoring Results on 18 February 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	17:34	9.1	Surface	1.0	0.4	134	15.8	15.8	7.9	7.9	32.6	32.6	101.6	101.6	8.3	8.2	2.9	4.6	8	8	83	84	815638	804243	<0.2	<0.2	1.0	0.8		
						1.0	0.4	141	15.8	7.9	7.9	32.6	32.6	101.6	101.6	8.3	8.2	3.0	4.6	7	8	84	84									
					Middle	4.6	0.3	122	15.2	7.9	7.9	33.6	33.6	99.0	99.0	8.1	8.0	4.5	4.6	7	8	84	84									
						4.6	0.4	124	15.2	7.9	7.9	33.6	33.6	99.0	99.0	8.1	8.0	4.6	4.6	8	8	84	84									
					Bottom	8.1	0.3	145	14.7	7.9	7.9	34.4	34.4	97.4	97.4	8.0	8.0	6.1	6.2	9	9	85	85									
						8.1	0.3	158	14.7	7.9	7.9	34.4	34.4	97.4	97.4	8.0	8.0	6.2	6.2	9	9	85	85									
C2	Fine	Moderate	16:30	12.5	Surface	1.0	0.3	173	19.0	19.0	7.9	7.9	25.0	25.0	102.1	102.1	8.2	8.1	3.6	5.3	3	2	76	77	825669	806952	<0.2	<0.2	2.3	2.2		
						1.0	0.3	184	19.0	7.9	7.9	25.0	25.0	102.0	102.1	8.2	8.1	3.6	5.3	2	2	81	81									
					Middle	6.3	0.3	180	18.7	7.9	7.9	26.6	26.6	99.5	99.5	7.9	7.9	5.6	5.7	2	2	81	81									
						6.3	0.3	183	18.7	7.9	7.9	26.6	26.6	99.4	99.5	7.9	7.9	5.7	5.7	3	2	82	82									
					Bottom	11.5	0.3	247	18.5	7.9	7.9	27.3	27.3	100.1	100.1	8.0	8.0	6.7	6.7	2	2	84	84									
						11.5	0.3	252	18.5	7.9	7.9	27.3	27.3	100.1	100.1	8.0	8.0	6.7	6.7	2	2	85	85									
C3	Fine	Moderate	18:11	12.3	Surface	1.0	0.4	64	19.0	19.0	7.9	7.9	28.0	28.0	98.6	98.6	7.7	7.6	2.2	2.5	3	3	79	80	822127	817807	<0.2	<0.2	1.4	1.4		
						1.0	0.4	70	19.0	7.9	7.9	28.0	28.0	98.6	98.6	7.7	7.6	2.2	2.5	4	3	80	81									
					Middle	6.2	0.3	100	18.4	7.9	7.9	29.0	29.0	95.2	95.2	7.5	7.5	2.5	2.5	2	3	81	80									
						6.2	0.3	103	18.4	7.9	7.9	29.0	29.0	95.2	95.2	7.5	7.5	2.5	2.5	3	3	80	80									
					Bottom	11.3	0.2	128	18.0	7.9	7.9	29.6	29.6	94.9	94.9	7.5	7.5	2.8	2.8	3	3	84	84									
						11.3	0.2	128	18.0	7.9	7.9	29.6	29.6	94.9	94.9	7.5	7.5	2.8	2.8	3	3	85	85									
IM1	Sunny	Moderate	17:12	7.8	Surface	1.0	0.3	183	16.5	16.5	7.9	7.9	31.2	31.2	102.7	102.7	8.3	8.2	3.0	5.8	4	5	79	80	818355	806467	<0.2	<0.2	1.4	1.8		
						1.0	0.3	196	16.5	7.9	7.9	31.2	31.2	102.7	102.7	8.3	8.2	3.0	5.8	4	5	80	80									
					Middle	3.9	0.3	147	15.8	7.9	7.9	32.3	32.3	99.9	99.9	8.1	8.1	4.7	4.8	6	5	80	81									
						3.9	0.3	160	15.8	7.9	7.9	32.3	32.3	99.8	99.9	8.1	8.1	4.8	4.8	5	5	81	81									
					Bottom	6.8	0.3	156	15.2	7.9	7.9	33.5	33.5	97.3	97.3	7.9	7.9	9.5	9.6	5	4	81	81									
						6.8	0.4	165	15.2	7.9	7.9	33.5	33.5	97.3	97.3	7.9	7.9	9.6	9.6	4	4	81	81									
IM2	Sunny	Moderate	17:06	8.7	Surface	1.0	0.3	190	16.6	16.6	7.9	7.9	30.8	30.8	104.5	104.5	8.4	8.4	1.6	2.8	6	4	81	81	818869	806184	<0.2	<0.2	2.2	1.9		
						1.0	0.4	207	16.6	7.9	7.9	30.8	30.8	104.5	104.5	8.4	8.4	1.6	2.8	4	4	81	81									
					Middle	4.4	0.4	155	16.2	7.9	7.9	31.6	31.6	101.9	101.9	8.3	8.3	2.5	2.5	4	4	82	82									
						4.4	0.4	163	16.2	7.9	7.9	31.6	31.6	101.8	101.9	8.3	8.3	2.5	2.5	4	4	82	82									
					Bottom	7.7	0.4	108	15.4	7.9	7.9	33.4	33.2	98.5	98.7	8.0	8.0	4.4	4.3	4	4	83	83									
						7.7	0.4	116	15.7	7.9	7.9	33.0	33.2	98.9	98.7	8.0	8.0	4.3	4.3	4	4	83	83									
IM3	Sunny	Moderate	16:58	8.7	Surface	1.0	0.3	180	16.8	16.9	7.9	7.9	29.4	29.4	104.6	104.6	8.5	8.4	1.3	5.2	5	5	80	80	819402	806037	<0.2	<0.2	2.1	1.4		
						1.0	0.4	195	16.9	7.9	7.9	29.3	29.4	104.6	104.6	8.5	8.4	1.3	5.2	5	5	80	80									
					Middle	4.4	0.4	107	16.1	7.9	7.9	31.6	31.6	101.0	101.0	8.2	8.2	3.9	4.0	4	4	81	81									
						4.4	0.4	109	16.1	7.9	7.9	31.6	31.6	101.0	101.0	8.2	8.2	4.0	4.0	4	4	81	81									
					Bottom	7.7	0.3	133	15.1	7.9	7.9	33.8	33.8	97.6	97.6	8.0	8.0	10.5	10.4	7	7	82	82									
						7.7	0.4	146	15.1	7.9	7.9	33.8	33.8	97.6	97.6	8.0	8.0	10.4	10.4	7	7	82	82									
IM4	Sunny	Moderate	16:50	8.4	Surface	1.0	0.3	129	16.9	16.9	7.9	7.9	28.6	28.6	102.2	102.2	8.3	8.2	3.0	8.3	4	9	81	81	819551	805045	<0.2	<0.2	2.2	1.8		
						1.0	0.3	139	16.9	7.9	7.9	28.6	28.6	102.1	102.2	8.3	8.2	3.1	8.3	6	9	81	81									
					Middle	4.2	0.3	139	15.2	7.9	7.9	33.4	33.4	98.2	98.2	8.0	8.0	7.1	7.2	5	3	82	82									
						4.2	0.3	139	15.2	7.9	7.9	33.4	33.4	98.1	98.2	8.0	8.0	7.2	7.2	3	3	82	82									
					Bottom	7.4	0.3	155	15.0	7.9	7.9	33.9	33.9	97.1	97.2	7.9	7.9	14.8	14.6	19	19	83	83									
						7.4	0.3	164	15.0	7.9	7.9	33.9	33.9	97.2	97.2	8.0	8.0	14.6	14.6	19	19	83	83									
IM5	Sunny	Moderate	16:42	7.2	Surface	1.0	0.4	165	16.0	16.0	7.9	7.9	31.0	31.0	99.9	99.9	8.2	8.1	7.1	12.5	7	16	79	80	820582	804932	<0.2	<0.2	2.0	1.3		
						1.0	0.4	170	16.0	7.9	7.9	31.0	31.0	99.8	99.9	8.2	8.1	7.2	12.5	9	16	80	81									
					Middle	3.6	0.4	157	15.2	7.9	7.9	33.4	33.4	96.7	96.7	7.9	7.9	15.7	15.6	20	19	81	81									
						3.6	0.4	166	15.2	7.9	7.9	33.4	33.4	96.7	96.7	7.9	7.9	15.6	15.6	19	19	81	81									
					Bottom	6.2	0.3	150	15.1	7.9	7.9	33.5	33.5	96.5	96.6	7.9	7.9	14.6	14.5	21	20	82	82									
						6.2	0.4	151	15.1	7.9	7.9	33.5	33.5	96.6	96.6	7.9	7.9	14.5	14.5	20	20	81	81									
IM6	Sunny	Moderate	16:34	7.3	Surface	1.0	0.4	160	16.0	16.0	7.9	7.9	31.0	31.0	100.0	100.0	8.2	8.1	5.9	11.4	9	15	83	83	821042	805821	<0.2	<0.2	1.6	1.2		
						1.0	0.4	172	16.0	7.9	7.9	31.0	31.0	100.0	100.0	8.2	8.1	6.0	11.4	8	15	81	81									
					Middle	3.7	0.4	150	15.4	7.9	7.9	32.9	32.9	97.2	97.2	7.9	7.9	13.6	13.7	17	18	83	83									
						3.7	0.4	161	15.4	7.9	7.9	32.9	32.9	97.2	97.2	7.9	7.9	13.7	13.7	17	18	83	83									
					Bottom	6.3	0.3	167	15.3	7.9	7.9	33.1	33.1	97.1	97.2	7.9	7.9	14.6	14.6	18	17	84	84									
						6.3	0.3	181	15.3	7.9	7.9	33.1	33.1	97.2	97.2	7.9	7.9	14.6	14.6	17	17	84	84									
IM7	Sunny	Moderate	16:25	8.7	Surface	1.0	0.5	122	16.7	16.7	7.9	7.9	29.4	29.4	102.2	102.2	8.3	8.2	1.8	4.5	3	7	82	83	821352	806846	<0.2	<0.2	2.1	1.8		
						1.0	0.5	124	16.7	7.9	7.9	29.4	29.4	102.1	102.2	8.3	8.2	1.9	4.5	3	7	83	83									
					Middle	4.4	0.6	109	15.5	8.0	8.0	32.4	32.4	98.1	98.1	8.0	8.0	5.5	5.6	7	7	83	84									
						4.4	0.6	111	15.5	8.0	8.0	32.4	32.4	98.0	98.1	8.0	8.0	5.6	5.6	7	7	84	84									
					Bottom	7.7	0.5	138	15.4	8.0	8.0	32.8	32.8	98.3	98.3	8.0	8.0	5.9	5.9	9	10	84	84									



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

**Water Quality Monitoring Results on 21 February 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	Rough	13:51	8.8	Surface	1.0	0.7	160	15.8	7.8	7.8	32.3	32.3	103.9	103.9	8.5	8.4	3.2	4.9	5	4	83	83	84	84	815638	804244	<0.2	<0.2	1.1	0.9		
						1.0	0.7	170	15.8	7.8	7.8	32.3	32.3	103.8	103.8	8.4	8.4	3.3	4.9	4	4	83	83	84	84	84	84	815638	804244	<0.2	<0.2	1.0	0.9
					Middle	4.4	0.7	126	15.4	7.8	7.8	32.9	33.0	102.2	102.2	8.3	8.4	4.6	4.9	4	4	84	84	84	84	84	84	815638	804244	<0.2	<0.2	1.0	0.9
						4.4	0.7	134	15.4	7.8	7.8	33.0	33.0	102.2	102.2	8.4	8.4	4.7	4.9	4	4	84	84	84	84	84	84	815638	804244	<0.2	<0.2	1.0	0.9
					Bottom	7.8	0.7	142	15.2	7.8	7.8	33.6	33.6	102.6	102.7	8.4	8.4	6.7	8.4	6.7	8.4	5	4	85	85	85	85	815638	804244	<0.2	<0.2	0.6	0.6
						7.8	0.7	151	15.2	7.8	7.8	33.6	33.6	102.7	102.7	8.4	8.4	6.7	8.4	6.7	8.4	4	4	85	85	85	85	815638	804244	<0.2	<0.2	0.6	0.6
C2	Cloudy	Rough	12:35	12.4	Surface	1.0	0.9	265	19.4	8.0	8.0	27.0	27.0	108.8	108.8	8.5	8.5	2.4	2.9	2	3	76	77	82	81	825685	806953	<0.2	<0.2	2.2	2.3		
						1.0	1.0	269	19.4	8.0	8.0	27.0	27.0	108.8	108.8	8.5	8.5	2.4	2.9	3	3	77	77	82	81	825685	806953	<0.2	<0.2	2.4	2.3		
					Middle	6.2	0.8	250	18.7	8.0	8.0	28.3	28.3	100.1	100.1	7.9	7.9	3.2	8.1	3	3	82	81	81	81	81	81	825685	806953	<0.2	<0.2	2.4	2.3
						6.2	0.8	263	18.7	8.0	8.0	28.3	28.3	100.1	100.1	7.9	7.9	3.2	8.1	3	3	82	81	81	81	81	81	825685	806953	<0.2	<0.2	2.3	2.3
					Bottom	11.4	0.8	229	18.5	7.9	7.9	28.7	28.7	102.8	102.8	8.1	8.1	3.1	8.1	3.1	8.1	2	3	84	84	84	84	825685	806953	<0.2	<0.2	2.1	2.1
						11.4	0.8	248	18.5	7.9	7.9	28.7	28.7	102.8	102.8	8.1	8.1	3.1	8.1	3.1	8.1	3	3	84	84	84	84	825685	806953	<0.2	<0.2	2.1	2.1
C3	Cloudy	Rough	14:54	11.4	Surface	1.0	0.7	248	18.4	8.0	8.0	29.6	29.6	97.9	97.9	7.7	7.7	2.1	2.3	4	3	79	79	83	82	822096	817788	<0.2	<0.2	0.8	0.7		
						1.0	0.7	268	18.4	8.0	8.0	29.6	29.6	97.9	97.9	7.7	7.7	2.1	7.6	3	4	79	83	83	83	822096	817788	<0.2	<0.2	0.8	0.7		
					Middle	5.7	0.6	252	18.1	8.0	8.0	29.9	29.9	94.8	94.8	7.5	7.5	2.4	7.6	4	4	83	83	83	83	82	82	822096	817788	<0.2	<0.2	0.6	0.6
						5.7	0.6	262	18.1	8.0	8.0	29.9	29.9	94.8	94.8	7.5	7.5	2.4	7.6	4	4	83	83	83	83	82	82	822096	817788	<0.2	<0.2	0.7	0.6
					Bottom	10.4	0.5	239	18.1	8.0	8.0	29.9	29.9	95.3	95.6	7.5	7.6	2.3	7.6	2.3	7.6	8	7	85	84	84	84	822096	817788	<0.2	<0.2	0.8	0.6
						10.4	0.5	254	18.1	7.9	8.0	29.9	29.9	95.8	95.6	7.6	7.6	2.4	7.6	2.4	7.6	7	7	84	84	84	84	822096	817788	<0.2	<0.2	0.6	0.6
IM1	Cloudy	Rough	13:31	7.8	Surface	1.0	0.6	224	15.6	7.8	7.8	32.8	32.8	103.2	103.2	8.4	8.4	2.5	2.7	4	5	80	80	81	81	818343	806447	<0.2	<0.2	0.9	1.0		
						1.0	0.6	236	15.6	7.8	7.8	32.8	32.8	103.2	103.2	8.4	8.4	2.5	8.4	5	6	80	81	81	81	818343	806447	<0.2	<0.2	1.0	1.0		
					Middle	3.9	0.5	211	15.6	7.8	7.8	32.8	32.8	102.7	102.7	8.4	8.4	2.6	8.4	6	5	81	81	81	81	81	81	818343	806447	<0.2	<0.2	1.1	1.0
						3.9	0.5	226	15.5	7.8	7.8	32.8	32.8	102.7	102.7	8.4	8.4	2.6	8.4	5	6	81	81	81	81	81	81	818343	806447	<0.2	<0.2	1.0	1.0
					Bottom	6.8	0.6	197	15.5	7.8	7.8	32.9	32.9	102.7	102.8	8.4	8.4	2.9	8.4	2.9	8.4	6	7	82	82	82	82	818343	806447	<0.2	<0.2	0.9	0.9
						6.8	0.6	213	15.5	7.8	7.8	32.9	32.9	102.8	102.8	8.4	8.4	2.9	8.4	2.9	8.4	7	7	82	82	82	82	818343	806447	<0.2	<0.2	0.9	0.9
IM2	Cloudy	Rough	13:25	8.4	Surface	1.0	0.5	205	15.6	7.8	7.8	32.5	32.5	101.9	101.9	8.3	8.3	1.2	1.4	5	5	80	81	82	82	818855	806198	<0.2	<0.2	1.2	1.2		
						1.0	0.5	219	15.6	7.8	7.8	32.5	32.5	101.9	101.9	8.3	8.3	1.2	8.3	6	5	81	82	82	82	818855	806198	<0.2	<0.2	1.1	1.1		
					Middle	4.2	0.5	210	15.6	7.8	7.8	32.5	32.5	101.7	101.7	8.3	8.3	1.5	8.3	5	6	82	82	82	82	82	82	818855	806198	<0.2	<0.2	1.4	1.3
						4.2	0.5	210	15.6	7.8	7.8	32.5	32.5	101.7	101.7	8.3	8.3	1.6	8.3	6	5	82	82	82	82	82	82	818855	806198	<0.2	<0.2	1.3	1.1
					Bottom	7.4	0.5	203	15.5	7.8	7.8	32.6	32.6	102.0	102.1	8.3	8.3	1.5	8.3	5	5	82	82	82	82	82	82	818855	806198	<0.2	<0.2	1.1	1.1
						7.4	0.5	211	15.5	7.8	7.8	32.6	32.6	102.1	102.1	8.3	8.3	1.5	8.3	5	5	82	82	82	82	82	82	818855	806198	<0.2	<0.2	1.1	1.1
IM3	Cloudy	Rough	13:14	8.5	Surface	1.0	0.8	224	15.8	7.8	7.8	32.2	32.2	102.8	102.8	8.4	8.4	0.9	1.1	6	5	81	81	82	82	819395	806038	<0.2	<0.2	1.3	1.3		
						1.0	0.8	235	15.8	7.8	7.8	32.2	32.2	102.8	102.8	8.4	8.4	0.9	8.4	4	4	81	81	82	82	819395	806038	<0.2	<0.2	1.4	1.4		
					Middle	4.3	0.8	239	15.8	7.8	7.8	32.2	32.2	102.5	102.5	8.3	8.4	1.0	8.3	4	5	82	81	81	81	82	82	819395	806038	<0.2	<0.2	1.4	1.4
						4.3	0.8	245	15.8	7.8	7.8	32.2	32.2	102.5	102.5	8.4	8.4	1.0	8.3	4	5	81	81	81	81	82	82	819395	806038	<0.2	<0.2	1.4	1.4
					Bottom	7.5	0.7	233	15.9	7.8	7.8	32.1	32.1	102.7	102.8	8.3	8.3	1.2	8.3	4	5	82	82	82	82	82	82	819395	806038	<0.2	<0.2	1.1	1.1
						7.5	0.8	245	15.9	7.8	7.8	32.1	32.1	102.8	102.8	8.3	8.3	1.3	8.3	5	5	82	82	82	82	82	82	819395	806038	<0.2	<0.2	1.1	1.1
IM4	Cloudy	Rough	13:04	8.1	Surface	1.0	0.8	239	15.7	7.8	7.8	32.1	32.1	103.4	103.4	8.4	8.4	1.1	1.1	4	6	81	81	82	82	819559	805038	<0.2	<0.2	1.2	1.2		
						1.0	0.9	249	15.7	7.8	7.8	32.1	32.1	103.4	103.4	8.4	8.4	1.1	8.4	5	6	81	82	82	82	819559	805038	<0.2	<0.2	1.2	1.2		
					Middle	4.1	0.8	238	15.7	7.8	7.8	32.1	32.1	103.0	103.0	8.4	8.4	1.1	8.4	4	6	82	82	82	82	82	82	819559	805038	<0.2	<0.2	1.1	1.2
						4.1	0.8	245	15.7	7.8	7.8	32.1	32.1	103.0	103.0	8.4	8.4	1.1	8.4	4	6	82	82	82	82	82	82	819559	805038	<0.2	<0.2	1.2	1.2
					Bottom	7.1	0.7	229	15.6	7.8	7.8	32.2	32.2	102.6	102.6	8.4	8.4	1.2	8.4	8	8	82	82	82	82	82	82	819559	805038	<0.2	<0.2	1.3	1.3
						7.1	0.7	231	15.6	7.8	7.8	32.2	32.2	102.5	102.6	8.4	8.4	1.1	8.4	10	8	83	83	83	83	83	83	819559	805038	<0.2	<0.2	1.3	1.3
IM5	Cloudy	Rough																															

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

**Water Quality Monitoring Results on 21 February 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	Rough	13:17	7.6	Surface	1.0	0.7	253	18.7	18.7	8.0	8.0	28.6	28.6	102.7	102.7	8.1	8.1	3.9	3.9	5	5	77	77	81	81	822088	808806	<0.2	<0.2	1.2	1.3					
						1.0	0.7	260	18.7	8.0	8.0	28.6	28.6	102.7	102.7	8.1	8.1	3.9	3.9	5	5	78	78														
					Middle	3.8	0.7	255	18.7	18.7	8.0	8.0	28.6	28.6	102.1	102.1	8.0	8.0	4.8	4.8	4	4	82	82	81	81	81	81	822088	808806	<0.2	<0.2	1.3	1.3			
						3.8	0.7	275	18.7	18.7	8.0	8.0	28.6	28.6	102.1	102.1	8.0	8.0	4.8	4.8	4	4	81	81	81	81	81	81	822088	808806	<0.2	<0.2	1.5	1.5			
					Bottom	6.6	0.8	228	18.7	18.7	8.0	8.0	28.6	28.6	101.6	101.6	8.0	8.0	4.4	4.4	6	6	84	84	5	5	84	84	81	81	822088	808806	<0.2	<0.2	1.2	1.2	
						6.6	0.8	234	18.7	18.7	8.0	8.0	28.6	28.6	101.6	101.6	8.0	8.0	4.4	4.4	5	5	84	84	5	5	84	84	81	81	822088	808806	<0.2	<0.2	1.1	1.1	
IM10	Cloudy	Rough	13:29	7.5	Surface	1.0	0.9	262	18.7	18.7	8.0	8.0	28.7	28.7	102.3	102.3	8.1	8.1	3.4	3.4	4	4	78	78	81	81	822238	809826	<0.2	<0.2	1.1	1.1					
						1.0	1.0	277	18.7	18.7	8.0	8.0	28.7	28.7	102.3	102.3	8.1	8.1	3.4	3.4	4	4	79	79	81	81	822238	809826	<0.2	<0.2	1.2	1.2					
					Middle	3.8	0.9	256	18.6	18.6	8.0	8.0	28.7	28.7	101.4	101.4	8.0	8.0	4.1	4.1	6	6	82	82	5	5	82	82	81	81	822238	809826	<0.2	<0.2	1.1	1.1	
						3.8	1.0	281	18.6	18.6	8.0	8.0	28.7	28.7	101.4	101.4	8.0	8.0	4.1	4.1	5	5	82	82	5	5	82	82	81	81	822238	809826	<0.2	<0.2	1.2	1.2	
					Bottom	6.5	0.8	250	18.6	18.6	8.0	8.0	28.7	28.7	100.7	100.7	7.9	7.9	5.4	5.4	7	7	84	84	6	6	84	84	81	81	822238	809826	<0.2	<0.2	1.0	1.0	
						6.5	0.8	250	18.6	18.6	8.0	8.0	28.7	28.7	100.7	100.7	7.9	7.9	5.4	5.4	6	6	83	83	6	6	83	83	81	81	822238	809826	<0.2	<0.2	1.1	1.1	
IM11	Cloudy	Rough	13:42	7.9	Surface	1.0	0.7	260	18.7	18.7	8.0	8.0	28.7	28.7	100.4	100.4	7.9	7.9	4.2	4.2	2	2	80	80	82	82	821499	810550	<0.2	<0.2	1.0	1.0					
						1.0	0.8	273	18.7	18.7	8.0	8.0	28.7	28.7	100.4	100.4	7.9	7.9	4.2	4.2	3	3	79	79	82	82	821499	810550	<0.2	<0.2	1.0	1.0					
					Middle	4.0	0.6	259	18.6	18.6	8.0	8.0	28.8	28.8	99.7	99.7	7.9	7.9	5.1	5.1	5	5	82	82	4	4	81	81	821499	810550	<0.2	<0.2	1.0	1.0			
						4.0	0.7	279	18.6	18.6	8.0	8.0	28.8	28.8	99.7	99.7	7.9	7.9	5.1	5.1	4	4	81	81	4	4	81	81	821499	810550	<0.2	<0.2	1.0	1.0			
					Bottom	6.9	0.6	251	18.6	18.6	8.0	8.0	28.8	28.8	99.3	99.3	7.8	7.8	6.4	6.4	4	4	84	84	4	4	84	84	821499	810550	<0.2	<0.2	1.0	1.0			
						6.9	0.6	267	18.6	18.6	8.0	8.0	28.8	28.8	99.3	99.3	7.8	7.8	6.6	6.6	4	4	84	84	4	4	84	84	821499	810550	<0.2	<0.2	1.0	1.0			
IM12	Cloudy	Rough	13:56	7.9	Surface	1.0	0.6	260	18.7	18.7	7.9	7.9	28.7	28.7	98.3	98.3	7.7	7.7	4.4	4.4	6	6	78	78	81	81	821173	811504	<0.2	<0.2	1.2	1.1					
						1.0	0.7	263	18.7	18.7	7.9	7.9	28.7	28.7	98.3	98.3	7.7	7.7	4.4	4.4	5	5	78	78	81	81	821173	811504	<0.2	<0.2	1.1	1.1					
					Middle	4.0	0.6	267	18.6	18.6	7.9	7.9	28.7	28.7	97.1	97.1	7.7	7.7	5.0	5.0	6	6	82	82	6	6	82	82	81	81	821173	811504	<0.2	<0.2	1.1	1.1	
						4.0	0.6	289	18.6	18.6	7.9	7.9	28.7	28.7	97.1	97.1	7.7	7.7	5.0	5.0	6	6	82	82	6	6	82	82	81	81	821173	811504	<0.2	<0.2	1.1	1.1	
					Bottom	6.9	0.6	257	18.5	18.5	7.9	7.9	29.0	29.0	96.7	96.7	7.6	7.6	5.7	5.7	5	5	84	84	7	7	84	84	81	81	821173	811504	<0.2	<0.2	1.0	0.9	
						6.9	0.6	276	18.5	18.5	7.9	7.9	29.0	29.0	96.7	96.7	7.6	7.6	5.7	5.7	7	7	84	84	7	7	84	84	81	81	821173	811504	<0.2	<0.2	0.9	0.9	
SR2	Cloudy	Rough	14:26	4.6	Surface	1.0	0.3	144	18.5	18.5	8.0	8.0	29.2	29.2	100.4	100.3	7.9	7.9	4.4	4.4	6	6	79	79	82	82	821457	814164	<0.2	<0.2	0.9	0.8					
						1.0	0.3	155	18.5	18.5	8.0	8.0	29.2	29.2	100.2	100.3	7.9	7.9	4.5	4.5	5	5	78	78	82	82	821457	814164	<0.2	<0.2	0.8	0.8					
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	82	821457	814164	<0.2	<0.2	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	82	821457	814164	<0.2	<0.2	-
					Bottom	3.6	0.3	148	18.5	18.5	7.9	7.9	29.2	29.2	100.0	100.0	7.9	7.9	4.5	4.5	7	7	85	85	7	7	85	85	82	82	821457	814164	<0.2	<0.2	1.0	1.0	
						3.6	0.3	154	18.5	18.5	7.9	7.9	29.2	29.2	100.0	100.0	7.9	7.9	4.5	4.5	7	7	85	85	7	7	85	85	82	82	821457	814164	<0.2	<0.2	1.0	1.0	
SR3	Cloudy	Rough	12:58	9.1	Surface	1.0	0.9	238	18.8	18.8	8.0	8.0	28.4	28.4	103.2	103.2	8.1	8.1	4.1	4.1	5	5	-	-	-	-	822136	807578	-	-	-	-					
						1.0	0.9	250	18.8	18.8	8.0	8.0	28.4	28.4	103.2	103.2	8.1	8.1	4.1	4.1	5	5	-	-	-	-	822136	807578	-	-	-	-					
					Middle	4.6	0.9	248	18.8	18.8	8.0	8.0	28.4	28.4	102.7	102.7	8.1	8.1	4.3	4.3	5	5	-	-	-	-	-	-	822136	807578	-	-	-	-			
						4.6	1.0	266	18.8	18.8	8.0	8.0	28.4	28.4	102.7	102.7	8.1	8.1	4.3	4.3	5	5	-	-	-	-	-	-	822136	807578	-	-	-	-			
					Bottom	8.1	0.9	245	18.8	18.8	8.0	8.0	28.4	28.4	102.4	102.4	8.1	8.1	4.6	4.6	6	6	-	-	-	-	-	-	822136	807578	-	-	-	-			
						8.1	0.9	253	18.8	18.8	8.0	8.0	28.4	28.4	102.4	102.4	8.1	8.1	4.6	4.6	6	6	-	-	-	-	-	-	822136	807578	-	-	-	-			
SR4A	Cloudy	Moderate	14:14	8.9	Surface	1.0	0.4	238	16.5	16.5	7.8	7.8	32.0	32.0	101.9	101.9	8.2	8.2	5.5	5.5	10	10	-	-	-	-	817181	807828	-	-	-	-					
						1.0	0.5	257	16.5	16.5	7.8	7.8	32.0	32.0	101.9	101.9	8.2	8.2	5.5	5.5	10	10	-	-	-	-	817181	807828	-	-	-	-					
					Middle	4.5	0.3	230	16.4	16.4	7.8	7.8	32.1	32.1	101.8	101.8	8.2	8.2	6.1	6.1	10	10	-	-	-	-	-	-	817181	807828	-	-	-	-			
						4.5	0.3	248	16.4	16.4	7.8	7.8	32.1	32.1	101.8	101.8	8.2	8.2	6.1	6.1	10	10	-	-	-	-	-	-	817181	807828	-	-	-	-			
					Bottom	7.9	0.3	233	16.2	16.2	7.8	7.8	32.2	32.2	102.4	102.4	8.3	8.3	8.1	8.1	12	12	-	-	-	-	-	-	817181	807828	-	-	-	-			
						7.9	0.4	244	16.2	16.2	7.8	7.8	32.2	32.2	102.4	102.4	8.3	8.3	8.2	8.2	12	12	-	-	-	-											

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

**Water Quality Monitoring Results on 21 February 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	10:18	8.6	Surface	1.0	0.5	191	15.7	15.7	7.9	7.9	30.4	30.4	104.5	104.5	8.6	8.6	2.3	8.6	5	6	83	84	815631	804240	<0.2	<0.2	1.4	1.3			
						1.0	0.5	200	15.7	7.9	7.9	30.4	30.4	104.5	104.5	8.6	8.6	2.4	8.6	5	6	83	84	815631	804240	<0.2	<0.2	1.3	1.3				
					Middle	4.3	0.5	185	15.7	7.9	7.9	30.5	30.5	103.4	103.4	8.5	8.5	2.7	8.5	6	6	84	6	84	84	815631	804240	<0.2	<0.2	1.5	1.4		
						4.3	0.6	185	15.7	7.9	7.9	30.5	30.5	103.4	103.4	8.5	8.5	2.7	8.5	6	6	84	6	84	84	815631	804240	<0.2	<0.2	1.4	1.4		
					Bottom	7.6	0.5	173	15.0	7.9	7.9	32.3	32.3	100.3	100.4	8.3	8.3	5.1	8.3	7	7	85	7	85	7	85	84	815631	804240	<0.2	<0.2	0.9	1.1
						7.6	0.6	173	15.0	7.9	7.9	32.3	32.3	100.3	100.4	8.3	8.3	5.0	8.3	7	7	85	7	85	7	85	84	815631	804240	<0.2	<0.2	1.1	1.1
C2	Cloudy	Moderate	11:41	11.4	Surface	1.0	0.5	259	19.2	19.2	8.0	8.0	27.2	27.2	105.4	105.4	8.3	8.1	2.4	8.1	5	5	77	81	825681	806945	<0.2	<0.2	2.1	2.2			
						1.0	0.5	268	19.2	8.0	8.0	27.2	27.2	105.4	105.4	8.3	8.1	2.4	8.1	4	5	77	5	81	81	825681	806945	<0.2	<0.2	2.1	2.0		
					Middle	5.7	0.4	256	18.7	8.0	8.0	28.0	28.0	98.4	98.4	7.8	7.8	2.8	7.8	4	2.9	4	5	81	5	81	81	825681	806945	<0.2	<0.2	2.0	2.2
						5.7	0.4	268	18.7	8.0	8.0	28.0	28.0	98.4	98.4	7.8	7.8	2.8	7.8	6	2.9	6	5	82	5	82	81	825681	806945	<0.2	<0.2	2.2	2.2
					Bottom	10.4	0.2	227	18.4	7.9	7.9	28.9	28.9	97.0	97.0	7.7	7.7	3.5	7.7	4	7.7	4	5	84	4	84	84	825681	806945	<0.2	<0.2	2.3	2.2
						10.4	0.2	245	18.4	7.9	7.9	28.9	28.9	97.0	97.0	7.7	7.7	3.5	7.7	4	7.7	4	5	84	4	84	84	825681	806945	<0.2	<0.2	2.2	2.2
C3	Cloudy	Moderate	09:35	13.0	Surface	1.0	0.3	244	18.4	18.4	7.9	7.9	29.5	29.5	96.7	96.7	7.6	7.6	2.1	7.6	3	4	80	82	822114	817803	<0.2	<0.2	1.0	1.0			
						1.0	0.4	244	18.4	7.9	7.9	29.5	29.5	96.7	96.7	7.6	7.6	2.1	7.6	3	2.1	3	4	79	4	82	82	822114	817803	<0.2	<0.2	1.1	1.0
					Middle	6.5	0.2	218	18.3	7.9	7.9	29.5	29.5	96.0	96.0	7.6	7.6	2.0	7.6	4	2.1	4	4	82	4	82	82	822114	817803	<0.2	<0.2	1.0	1.1
						6.5	0.2	219	18.3	7.9	7.9	29.5	29.5	96.0	96.0	7.6	7.6	2.0	7.6	3	2.1	3	4	83	3	83	82	822114	817803	<0.2	<0.2	1.1	1.1
					Bottom	12.0	0.2	220	18.2	7.9	7.9	29.8	29.8	95.3	95.3	7.5	7.5	2.1	7.5	5	7.5	5	4	85	5	85	84	822114	817803	<0.2	<0.2	0.9	1.1
						12.0	0.2	234	18.2	7.9	7.9	29.8	29.8	95.3	95.3	7.5	7.5	2.1	7.5	3	7.5	3	4	84	3	84	84	822114	817803	<0.2	<0.2	1.1	1.1
IM1	Cloudy	Moderate	10:40	7.3	Surface	1.0	0.3	196	15.5	15.5	7.8	7.8	31.7	31.7	102.3	102.3	8.4	8.4	2.6	8.4	6	6	80	81	818349	806451	<0.2	<0.2	1.3	1.1			
						1.0	0.3	202	15.5	7.8	7.8	31.7	31.7	102.2	102.3	8.4	8.4	2.7	8.4	6	8.4	6	6	80	6	81	81	818349	806451	<0.2	<0.2	1.3	1.0
					Middle	3.7	0.2	178	15.5	7.8	7.8	31.7	31.7	101.3	101.3	8.3	8.3	3.1	8.3	6	3.2	6	6	81	6	81	81	818349	806451	<0.2	<0.2	1.0	1.0
						3.7	0.3	194	15.5	7.8	7.8	31.7	31.7	101.2	101.3	8.3	8.3	3.1	8.3	4	3.2	4	6	81	4	81	81	818349	806451	<0.2	<0.2	1.0	1.0
					Bottom	6.3	0.3	166	15.2	7.8	7.8	32.2	32.2	100.7	100.7	8.3	8.3	3.8	8.3	7	8.3	7	6	81	7	81	82	818349	806451	<0.2	<0.2	0.9	0.8
						6.3	0.3	167	15.2	7.8	7.8	32.1	32.2	100.7	100.7	8.3	8.3	3.7	8.3	9	8.3	9	6	82	9	82	82	818349	806451	<0.2	<0.2	0.8	0.8
IM2	Cloudy	Moderate	10:47	8.3	Surface	1.0	0.3	208	15.5	15.5	7.8	7.8	31.7	31.7	103.2	103.2	8.5	8.5	1.9	8.5	4	6	81	82	818846	806190	<0.2	<0.2	1.0	1.1			
						1.0	0.3	225	15.5	7.8	7.8	31.7	31.7	103.2	103.2	8.5	8.5	1.9	8.5	6	8.5	6	6	81	6	81	82	818846	806190	<0.2	<0.2	1.1	1.1
					Middle	4.2	0.3	192	15.5	7.8	7.8	31.7	31.7	102.2	102.2	8.4	8.4	2.3	8.4	8	2.4	8	6	82	8	82	82	818846	806190	<0.2	<0.2	1.3	1.1
						4.2	0.3	194	15.5	7.8	7.8	31.7	31.7	102.2	102.2	8.4	8.4	2.3	8.4	6	2.4	6	6	82	6	82	82	818846	806190	<0.2	<0.2	1.1	1.1
					Bottom	7.3	0.2	156	15.4	7.8	7.8	31.9	31.9	101.0	101.0	8.3	8.3	3.0	8.3	6	8.3	6	6	82	6	82	82	818846	806190	<0.2	<0.2	1.0	0.9
						7.3	0.2	160	15.4	7.8	7.8	31.9	31.9	101.0	101.0	8.3	8.3	2.9	8.3	6	8.3	6	6	82	6	82	82	818846	806190	<0.2	<0.2	0.9	0.9
IM3	Cloudy	Rough	10:55	8.1	Surface	1.0	0.8	217	15.6	15.6	7.8	7.8	31.5	31.5	102.9	102.9	8.4	8.4	1.3	8.4	5	6	82	83	819428	805999	<0.2	<0.2	1.2	1.1			
						1.0	0.9	233	15.6	7.8	7.8	31.5	31.5	102.9	102.9	8.4	8.4	1.3	8.4	5	8.4	5	6	83	5	83	83	819428	805999	<0.2	<0.2	1.1	1.1
					Middle	4.1	0.7	218	15.6	7.9	7.9	31.5	31.5	102.5	102.5	8.4	8.4	1.3	8.4	7	1.6	7	6	83	7	83	83	819428	805999	<0.2	<0.2	1.1	1.1
						4.1	0.7	218	15.6	7.9	7.9	31.5	31.5	102.4	102.5	8.4	8.4	1.3	8.4	6	1.6	6	6	83	6	83	83	819428	805999	<0.2	<0.2	1.1	1.1
					Bottom	7.1	0.7	198	15.5	7.9	7.9	31.7	31.7	100.7	100.7	8.3	8.3	2.1	8.3	6	8.3	6	8.3	6	6	84	83	819428	805999	<0.2	<0.2	1.0	1.0
						7.1	0.7	206	15.6	7.9	7.9	31.7	31.7	100.7	100.7	8.3	8.3	2.1	8.3	6	8.3	6	8.3	6	6	84	83	819428	805999	<0.2	<0.2	1.1	1.1
IM4	Cloudy	Rough	11:05	7.7	Surface	1.0	0.9	228	15.7	15.7	7.9	7.9	31.5	31.5	104.3	104.3	8.6	8.6	1.4	8.6	5	5	80	81	819558	805033	<0.2	<0.2	1.1	1.0			
						1.0	0.9	246	15.7	7.9	7.9	31.5	31.5	104.3	104.3	8.6	8.6	1.5	8.6	4	8.6	4	5	81	4	81	81	819558	805033	<0.2	<0.2	1.0	1.0
					Middle	3.9	0.8	226	15.6	7.9	7.9	31.5	31.5	104.0	104.0	8.5	8.5	1.5	8.5	6	1.5	6	5	81	6	81	81	819558	805033	<0.2	<0.2	1.1	1.0
						3.9	0.8	235	15.6	7.9	7.9	31.5	31.5	104.0	104.0	8.5	8.5	1.5	8.5	6	1.5	6	5	82	6	82	82	819558	805033	<0.2	<0.2	1.0	0.9
					Bottom	6.7	0.8	223	15.5	7.8	7.8	31.7	31.7	103.5	103.5	8.5	8.5	1.5	8.5	5	8.5	5	8.5	5	5	82	82	819558	805033	<0.2	<0.2	0.9	1.1
						6.7	0.9	224	15.6	7.8	7.8	31.7	31.7	103.5	103.5	8.5	8.5	1.5	8.5	5	8.5	5	8.5	5	5	82	82	819558	805033	<0.2	<0.2	1.1	1.1
IM5	Cloudy	Rough	11:13	6.8	Surface	1.0	0.7	235	15.7	15.7																							



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

**Water Quality Monitoring Results on 24 February 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	Rough	16:46	8.2	Surface	1.0	0.4	174	14.7	7.8	7.8	31.8	31.8	100.4	100.4	8.4	8.4	3.2	8.4	7	6	83	84	815615	804257	<0.2	<0.2	1.5	1.3			
						1.0	0.4	186	14.7	7.8	7.8	31.8	31.8	100.4	100.4	8.4	8.4	3.2	8.4	5	6	83	84	815615	804257	<0.2	<0.2	1.4	1.3			
					Middle	4.1	0.4	134	14.7	7.8	7.8	32.6	32.6	101.5	101.5	8.4	8.4	4.6	4.4	4	4	83	84	815615	804257	<0.2	<0.2	1.5	1.3			
						4.1	0.4	140	14.7	7.8	7.8	32.6	32.6	101.5	101.5	8.4	8.4	4.6	4.4	4	4	83	84	815615	804257	<0.2	<0.2	1.5	1.3			
					Bottom	7.2	0.4	96	14.6	7.8	7.8	33.6	33.6	102.6	102.6	8.5	8.5	5.4	8.5	8	8	84	84	815615	804257	<0.2	<0.2	0.8	1.3			
						7.2	0.4	101	14.6	7.8	7.8	33.6	33.6	102.6	102.6	8.5	8.5	5.3	8.5	10	8	84	84	815615	804257	<0.2	<0.2	0.8	1.3			
C2	Cloudy	Moderate	15:39	11.7	Surface	1.0	0.4	189	18.2	8.0	8.0	27.9	27.9	97.5	97.5	7.8	7.8	3.8	7.8	3	4	77	81	825696	806935	<0.2	<0.2	1.5	1.6			
						1.0	0.5	195	18.2	8.0	8.0	27.9	27.9	97.5	97.5	7.8	7.8	3.8	7.8	4	4	76	81	825696	806935	<0.2	<0.2	1.7	1.6			
					Middle	5.9	0.4	213	18.3	8.0	8.0	28.0	28.0	96.6	96.6	7.7	7.7	4.2	4.1	3	4	82	81	825696	806935	<0.2	<0.2	2.0	1.6			
						5.9	0.4	232	18.3	8.0	8.0	28.0	28.0	96.6	96.6	7.7	7.7	4.2	4.1	4	4	81	81	825696	806935	<0.2	<0.2	1.7	1.6			
					Bottom	10.7	0.4	194	18.3	8.0	8.0	28.4	28.4	96.7	96.7	7.7	7.7	4.3	7.7	4	4	83	84	825696	806935	<0.2	<0.2	1.5	1.6			
						10.7	0.4	198	18.3	8.0	8.0	28.4	28.4	96.7	96.7	7.7	7.7	4.3	7.7	4	4	84	84	825696	806935	<0.2	<0.2	1.4	1.6			
C3	Cloudy	Moderate	17:37	11.6	Surface	1.0	0.6	260	17.7	8.0	8.0	29.1	29.1	96.7	96.7	7.7	7.7	4.2	7.7	3	4	79	80	822124	817798	<0.2	<0.2	0.6	0.7			
						1.0	0.6	278	17.7	8.0	8.0	29.1	29.1	96.7	96.7	7.7	7.7	4.2	7.7	4	4	80	83	822124	817798	<0.2	<0.2	0.7	0.7			
					Middle	5.8	0.8	258	17.8	8.0	8.0	30.0	30.0	96.1	96.1	7.6	7.6	5.5	6.2	4	4	83	83	822124	817798	<0.2	<0.2	0.9	0.7			
						5.8	0.8	261	17.8	8.0	8.0	30.0	30.0	96.1	96.1	7.6	7.6	5.5	6.2	4	4	83	83	822124	817798	<0.2	<0.2	0.8	0.7			
					Bottom	10.6	0.6	263	17.8	8.0	8.0	30.2	30.2	96.5	96.5	7.7	7.7	8.9	7.7	6	5	85	85	822124	817798	<0.2	<0.2	0.7	0.7			
						10.6	0.7	274	17.8	8.0	8.0	30.2	30.2	96.5	96.5	7.7	7.7	8.9	7.7	5	5	85	85	822124	817798	<0.2	<0.2	0.7	0.7			
IM1	Cloudy	Rough	16:25	7.2	Surface	1.0	0.3	195	15.0	7.8	7.8	32.1	32.1	97.8	97.8	8.1	8.1	6.1	9.5	8	8	82	83	818367	806477	<0.2	<0.2	1.2	1.2			
						1.0	0.3	210	15.0	7.8	7.8	32.1	32.1	97.8	97.8	8.1	8.1	6.1	9.5	7	8	81	83	818367	806477	<0.2	<0.2	1.2	1.2			
					Middle	3.6	0.3	177	15.0	7.8	7.8	32.3	32.3	99.5	99.6	8.2	8.2	7.5	9.5	7	8	83	83	818367	806477	<0.2	<0.2	1.4	1.2			
						3.6	0.3	193	15.0	7.8	7.8	32.2	32.3	99.6	99.6	8.2	8.2	7.6	9.5	8	8	83	83	818367	806477	<0.2	<0.2	1.2	1.2			
					Bottom	6.2	0.3	140	14.7	7.8	7.8	34.1	34.1	100.8	100.9	8.3	8.3	14.8	8.3	9	8	83	83	818367	806477	<0.2	<0.2	1.2	1.2			
						6.2	0.3	145	14.7	7.8	7.8	34.1	34.1	100.9	100.9	8.3	8.3	14.8	8.3	8	8	83	83	818367	806477	<0.2	<0.2	1.1	1.2			
IM2	Cloudy	Rough	16:19	8.1	Surface	1.0	0.4	214	15.0	7.8	7.8	31.1	31.1	99.0	99.0	8.3	8.3	4.1	6.5	5	6	81	82	818862	806196	<0.2	<0.2	1.4	1.4			
						1.0	0.4	214	15.0	7.8	7.8	31.1	31.1	99.0	99.0	8.3	8.3	4.1	6.5	4	6	81	82	818862	806196	<0.2	<0.2	1.6	1.4			
					Middle	4.1	0.3	197	15.0	7.8	7.8	31.2	31.2	100.1	100.1	8.3	8.3	6.1	6.5	5	6	81	82	818862	806196	<0.2	<0.2	1.7	1.4			
						4.1	0.3	204	14.9	7.8	7.8	31.2	31.2	100.1	100.1	8.3	8.3	6.2	6.5	5	6	82	82	818862	806196	<0.2	<0.2	1.6	1.4			
					Bottom	7.1	0.3	150	14.8	7.8	7.8	33.7	33.7	101.1	101.1	8.3	8.3	9.3	8.3	9	9	83	82	818862	806196	<0.2	<0.2	1.0	1.4			
						7.1	0.4	164	14.8	7.8	7.8	33.7	33.7	101.1	101.1	8.3	8.3	9.3	8.3	9	9	82	82	818862	806196	<0.2	<0.2	1.0	1.4			
IM3	Cloudy	Rough	16:09	8.2	Surface	1.0	0.4	217	15.1	7.7	7.7	30.9	30.9	99.2	99.3	8.3	8.4	5.1	6.1	6	7	82	81	819401	806036	<0.2	<0.2	1.9	1.6			
						1.0	0.4	218	15.1	7.7	7.7	30.9	30.9	99.3	99.3	8.3	8.4	5.1	6.1	7	7	81	82	819401	806036	<0.2	<0.2	1.8	1.6			
					Middle	4.1	0.4	222	15.1	7.7	7.7	31.0	31.0	100.5	100.5	8.4	8.4	6.2	6.1	8	7	82	83	819401	806036	<0.2	<0.2	1.7	1.6			
						4.1	0.4	242	15.1	7.7	7.7	31.0	31.0	100.5	100.5	8.4	8.4	6.2	6.1	9	7	83	83	819401	806036	<0.2	<0.2	1.9	1.6			
					Bottom	7.2	0.3	186	15.0	7.7	7.7	32.7	32.7	101.8	101.9	8.4	8.4	6.9	8.4	7	7	83	83	819401	806036	<0.2	<0.2	1.1	1.6			
						7.2	0.3	200	15.0	7.7	7.7	32.7	32.7	101.9	101.9	8.4	8.4	6.8	8.4	7	7	83	83	819401	806036	<0.2	<0.2	1.2	1.6			
IM4	Cloudy	Rough	16:00	7.6	Surface	1.0	0.4	202	15.1	7.7	7.7	30.9	30.9	98.6	98.6	8.2	8.3	6.7	8.7	7	10	82	83	819573	805034	<0.2	<0.2	1.7	1.5			
						1.0	0.4	211	15.1	7.7	7.7	30.9	30.9	98.6	98.6	8.2	8.3	6.7	8.7	6	10	82	83	819573	805034	<0.2	<0.2	1.8	1.5			
					Middle	3.8	0.3	207	15.1	7.7	7.7	31.0	31.0	99.4	99.4	8.3	8.3	8.8	8.7	9	10	83	83	819573	805034	<0.2	<0.2	1.6	1.5			
						3.8	0.4	220	15.1	7.7	7.7	31.0	31.0	99.4	99.4	8.3	8.3	8.9	8.7	8	10	83	84	819573	805034	<0.2	<0.2	1.5	1.5			
					Bottom	6.6	0.3	201	15.0	7.8	7.8	32.5	32.5	100.3	100.4	8.3	8.3	10.6	8.3	13	14	84	84	819573	805034	<0.2	<0.2	1.3	1.5			
						6.6	0.3	202	15.0	7.8	7.8	32.5	32.5	100.4	100.4	8.3	8.3	10.6	8.3	14	14	84	84	819573	805034	<0.2	<0.2	1.3	1.5			
IM5	Cloudy	Rough	15:52	6.6	Surface	1.0	0.4	204	15.2	7.7	7.7	30.7	30.7	97.9	97.9	8.1	8.2	5.1	9.7	6	10	80	81	820575	804911	<0.2	<0.2	1.6	1.5			
						1.0	0.4	215	15.2	7.7	7.7	30.7	30.7	97.9	97.9	8.1	8.2	5.2	9.7	5	10	80	81	820575	804911	<0.2	<0.2	1.8	1.5			
					Middle	3.3	0.3	199	15.2	7.7	7.7	30.9	30.9	98.9	98.9	8.2	8.2	8.9	9.7	9	10	81	81	820575	804911	<0.2	<0.2	1.7	1.5			
						3.3	0.4	211	15.2	7.7	7.7	30.9	30.9	98.9	98.9	8.2	8.2	9.0	9.7	8	10	81	82	820575	804911	<0.2	<0.2	1.7	1.5			
					Bottom	5.6	0.3	162	15.0	7.8	7.8	33.1	33.1	100.0	100.0	8.2	8.2	14.9	8.2	16	14	82	81	820575	804911							





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

**Water Quality Monitoring Results on 24 February 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	Rough	12:12	8.2	Surface	1.0	1.3	213	14.4	14.4	7.8	7.8	33.0	33.0	99.6	99.6	8.3	8.3	9.5	8.3	4	6	83	84	815612	804253	<0.2	<0.2	1.5	0.9		
						1.0	1.3	231	14.4	7.8	7.8	33.0	33.0	99.5	99.6	8.3	8.3	9.5	8.3	4	6	83	84									
					Middle	4.1	1.3	206	14.5	7.8	7.8	33.0	33.0	99.4	99.4	8.3	8.3	9.9	8.3	10.0	6	6	84	84							84	84
						4.1	1.3	209	14.4	7.8	7.8	33.0	33.0	99.3	99.4	8.3	8.3	9.9	8.3	10.0	6	6	84	84							84	84
					Bottom	7.2	1.3	220	14.5	7.8	7.8	33.2	33.2	99.2	99.2	8.3	8.3	10.5	8.3	10.5	8	8	85	85							85	85
						7.2	1.5	227	14.5	7.8	7.8	33.2	33.2	99.2	99.2	8.3	8.3	10.5	8.3	10.5	8	8	85	85							85	85
C2	Cloudy	Moderate	13:10	11.3	Surface	1.0	0.7	166	18.1	18.1	8.0	8.0	27.1	27.1	97.4	97.4	7.8	7.7	5.7	7.8	4	4	76	80	825667	806941	<0.2	<0.2	1.7	1.8		
						1.0	0.7	175	18.1	8.0	8.0	27.1	27.1	97.4	97.4	7.8	7.7	5.7	7.8	4	4	76	80									
					Middle	5.7	0.5	159	18.2	8.0	8.0	28.9	28.9	96.5	96.5	7.6	7.6	5.5	7.6	5.7	4	4	82	81							81	81
						5.7	0.5	167	18.2	8.0	8.0	28.9	28.9	96.5	96.5	7.6	7.6	5.5	7.6	5.7	4	4	82	81							81	81
					Bottom	10.3	0.4	166	18.2	8.0	8.0	29.5	29.5	97.9	97.9	7.7	7.8	5.8	7.8	7.8	3	4	83	83							83	83
						10.3	0.4	173	18.2	8.0	8.0	29.5	29.5	97.9	97.9	7.8	7.8	5.8	7.8	7.8	3	4	83	83							83	83
C3	Cloudy	Moderate	10:58	12.4	Surface	1.0	0.3	114	17.9	17.9	8.0	8.0	30.1	30.1	96.3	96.3	7.6	7.7	3.9	7.6	4	4	79	82	822128	817783	<0.2	<0.2	0.6	0.6		
						1.0	0.3	120	17.9	8.0	8.0	30.1	30.1	96.3	96.3	7.6	7.7	3.9	7.6	4	4	79	82									
					Middle	6.2	0.2	101	17.9	8.0	8.0	30.1	30.1	96.6	96.7	7.7	7.7	4.5	7.7	4.5	4	4	82	83							83	83
						6.2	0.3	106	17.9	8.0	8.0	30.1	30.1	96.7	96.7	7.7	7.7	4.5	7.7	4.5	4	4	82	83							83	83
					Bottom	11.4	0.2	156	17.8	8.0	8.0	30.3	30.3	98.2	98.3	7.8	7.8	4.9	7.8	7.8	4	4	84	84							84	84
						11.4	0.2	170	17.8	8.0	8.0	30.3	30.3	98.3	98.3	7.8	7.8	4.9	7.8	7.8	4	4	84	84							84	84
IM1	Cloudy	Rough	12:39	7.1	Surface	1.0	0.4	178	15.0	15.0	7.7	7.7	30.7	30.7	98.0	98.0	8.2	8.2	3.4	8.2	3	4	79	81	818341	806458	<0.2	<0.2	1.6	0.8		
						1.0	0.5	191	15.0	7.7	7.7	30.7	30.7	98.0	98.0	8.2	8.2	3.5	8.2	3	4	80	81									
					Middle	3.6	0.4	180	14.8	7.8	7.8	31.6	31.7	98.7	98.7	8.2	8.2	12.0	8.2	12.8	4	4	81	81							81	81
						3.6	0.4	195	14.8	7.8	7.8	31.7	31.7	98.7	98.7	8.2	8.2	12.4	8.2	12.8	4	4	81	81							81	81
					Bottom	6.1	0.4	187	14.7	7.8	7.8	33.4	33.4	98.8	98.9	8.2	8.2	22.9	8.2	8.2	4	4	81	81							81	81
						6.1	0.4	187	14.7	7.8	7.8	33.4	33.4	98.9	98.9	8.2	8.2	22.8	8.2	8.2	4	4	81	81							81	81
IM2	Cloudy	Rough	12:51	8.1	Surface	1.0	0.5	197	15.0	15.0	7.7	7.7	30.4	30.4	98.9	99.0	8.3	8.3	3.2	8.3	4	4	80	81	818855	806176	<0.2	<0.2	1.5	1.6		
						1.0	0.6	200	15.0	7.7	7.7	30.4	30.4	99.0	99.0	8.3	8.3	3.2	8.3	4	4	80	81									
					Middle	4.1	0.5	193	14.8	7.8	7.8	31.4	31.4	99.2	99.3	8.3	8.3	6.2	8.3	5.6	3	4	81	81							81	81
						4.1	0.5	204	14.8	7.8	7.8	31.4	31.4	99.3	99.3	8.3	8.3	6.4	8.3	5.6	3	4	81	81							81	81
					Bottom	7.1	0.6	218	14.8	7.7	7.7	32.6	32.6	99.6	99.6	8.3	8.3	7.4	8.3	8.3	6	6	82	82							82	82
						7.1	0.6	219	14.8	7.7	7.7	32.5	32.6	99.6	99.6	8.3	8.3	7.2	8.3	8.3	6	6	82	82							82	82
IM3	Rainy	Rough	13:02	8.2	Surface	1.0	0.6	207	14.9	14.9	7.8	7.8	31.3	31.3	99.1	99.1	8.3	8.3	8.3	8.3	6	7	82	83	819430	806020	<0.2	<0.2	1.3	1.3		
						1.0	0.6	225	14.9	7.8	7.8	31.3	31.3	99.1	99.1	8.3	8.3	8.3	8.3	7.6	6	7	82	83								
					Middle	4.1	0.5	212	14.9	7.7	7.7	31.3	31.3	99.6	99.6	8.3	8.3	7.1	8.3	7.6	6	7	83	83							83	83
						4.1	0.5	229	14.9	7.7	7.7	31.3	31.3	99.6	99.6	8.3	8.3	7.0	8.3	7.6	6	7	83	83							83	83
					Bottom	7.2	0.5	218	14.9	7.7	7.7	31.4	31.4	100.1	100.1	8.3	8.3	7.5	8.3	8.3	7	7	83	83							83	83
						7.2	0.5	220	14.9	7.7	7.7	31.4	31.4	100.1	100.1	8.3	8.3	7.4	8.3	8.3	6	7	83	83							83	83
IM4	Rainy	Rough	13:12	7.5	Surface	1.0	0.6	189	15.0	15.0	7.7	7.7	31.0	31.0	98.4	98.4	8.2	8.3	9.6	8.2	9	11	81	81	819569	805026	<0.2	<0.2	1.3	1.3		
						1.0	0.6	195	15.0	7.7	7.7	31.0	31.0	98.4	98.4	8.2	8.3	9.6	8.2	11.4	9	11	80	81								
					Middle	3.8	0.5	189	15.0	7.7	7.7	31.2	31.2	99.3	99.3	8.3	8.3	11.9	8.3	11.4	10	11	81	81							81	81
						3.8	0.5	205	15.0	7.7	7.7	31.2	31.2	99.3	99.3	8.3	8.3	12.0	8.3	11.4	10	11	81	81							81	81
					Bottom	6.5	0.4	209	14.9	7.7	7.7	32.9	32.9	100.1	100.1	8.3	8.3	12.7	8.3	8.3	12	13	82	82							82	82
						6.5	0.4	216	14.9	7.7	7.7	32.8	32.9	100.1	100.1	8.3	8.3	12.7	8.3	8.3	12	13	82	82							82	82
IM5	Rainy	Rough	13:25	6.6	Surface	1.0	0.7	186	15.1	15.1	7.7	7.7	30.5	30.5	98.1	98.1	8.2	8.2	5.9	8.2	6	9	80	81	820568	804912	<0.2	<0.2	1.4	1.4		
						1.0	0.7	190	15.1	7.7	7.7	30.5	30.5	98.1	98.1	8.2	8.2	5.9	8.2	9.8	7	9	80	81								
					Middle	3.3	0.6	176	15.1	7.7	7.7	30.7	30.7	98.5	98.5	8.2	8.2	8.8	8.2	9.8	8	9	81	81							81	81
						3.3	0.6	181	15.1	7.7	7.7	30.7	30.7	98.5	98.5	8.2	8.2	8.9	8.2	9.8	6	9	81	81							81	81
					Bottom	5.6	0.4	186	15.1	7.7	7.7	31.7	31.7	99.7	99.8	8.3	8.3	14.6	8.3	8.3	13	14	81	81							81	81
						5.6	0.5	189	15.1	7.7	7.7	31.7	31.7	99.8	99.8	8.3	8.3	14.6	8.3	8.3	13	14	81	81							81	81
IM6	Rainy	Rough	13:37	6.5	Surface	1.0	0.6	188	15.2	15.2	7.7	7.7	30.5	30.5	98.0	98.0	8.2	8.3	5.1	8.2	5	7	81	82	821077	805809	<0.2	<0.2	1.6	1.7		
						1.0	0.6	193	15.2	7.7	7.7	30.5	30.5	98.0	98.0	8.2	8.3	5.2	8.2	8.6	7	7	81	82								
					Middle	3.3	0.5	195	15.2	7.7	7.7	30.6	30.6	99.2	99.2	8.3	8.3	9.2	8.3	8.6	6	7	82	82							82	82
						3.3	0.5	207	15.2	7.7	7.7	30.6	30.6	99.2	99.2	8.3	8.3	9.3	8.3	8.6	6	7	82	82							82	82
					Bottom	5.5	0.5	198	15.1	7.7	7.7	32.9	32.9	100.3	100.3	8.3	8.3	11.5	8.3	8.3	6	8	82	82							82	82
						5.5	0.5	203	15.1	7.7	7.7	32.9	32.9	100.3	100.3	8.3	8.3	11.1	8.3													

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

**Water Quality Monitoring Results on 24 February 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	12:25	7.1	Surface	1.0	0.7	128	18.2	18.2	8.0	8.0	27.3	27.3	99.1	99.1	7.9	8.0	9.8	11.0	10	9	78	81	822108	808793	<0.2	<0.2	1.6	1.6			
						1.0	0.7	130	18.2	8.0	8.0	27.3	27.3	99.1	99.1	7.9	8.0	9.8	11.0	8	9	78	81	82	84	<0.2	<0.2	1.6	1.6				
					Middle	3.6	0.7	125	18.2	8.0	8.0	27.3	27.3	99.5	99.5	8.0	8.1	10.1	11.0	8	9	81	82	84	83	<0.2	<0.2	1.6	1.6				
						3.6	0.7	132	18.2	8.0	8.0	27.3	27.3	99.5	99.5	8.0	8.1	10.1	11.0	8	9	81	82	84	83	<0.2	<0.2	1.6	1.6				
					Bottom	6.1	0.7	110	18.1	8.0	8.0	27.6	27.6	101.5	101.5	8.1	8.1	13.1	13.1	10	9	84	83			<0.2	<0.2	1.6	1.6				
						6.1	0.8	110	18.1	8.0	8.0	27.6	27.6	101.5	101.5	8.1	8.1	13.1	13.1	9	9	83	83			<0.2	<0.2	1.6	1.6				
IM10	Cloudy	Moderate	12:15	8.0	Surface	1.0	0.9	130	18.0	18.0	8.0	8.0	27.4	27.4	100.4	100.4	8.1	8.1	9.1	12.7	9	9	77	81	822238	809837	<0.2	<0.2	1.2	1.3			
						1.0	1.0	141	18.0	8.0	8.0	27.4	27.4	100.4	100.4	8.1	8.1	9.1	12.7	10	9	77	81	82	84	<0.2	<0.2	1.2	1.3				
					Middle	4.0	0.9	121	18.0	8.0	8.0	27.6	27.6	101.0	101.0	8.1	8.1	12.5	12.7	9	9	81	82	84	84	<0.2	<0.2	1.5	1.3				
						4.0	0.9	122	18.0	8.0	8.0	27.6	27.6	101.0	101.0	8.1	8.1	12.6	12.7	9	9	81	82	84	84	<0.2	<0.2	1.5	1.3				
					Bottom	7.0	0.8	119	18.1	8.0	8.0	27.7	27.7	103.3	103.4	8.3	8.3	16.5	16.2	9	9	84	84			<0.2	<0.2	1.2	1.4				
						7.0	0.9	125	18.1	8.0	8.0	27.7	27.7	103.4	103.4	8.3	8.3	16.5	16.2	9	9	84	84			<0.2	<0.2	1.2	1.4				
IM11	Cloudy	Moderate	12:05	8.0	Surface	1.0	0.8	118	18.1	18.1	8.0	8.0	27.3	27.3	98.2	98.2	7.9	7.9	8.2	10.1	5	8	78	81	821496	810529	<0.2	<0.2	1.4	1.7			
						1.0	0.8	127	18.1	8.0	8.0	27.3	27.3	98.2	98.2	7.9	7.9	8.2	10.1	6	8	78	82	82	84	<0.2	<0.2	1.5	1.7				
					Middle	4.0	0.7	118	18.3	8.0	8.0	27.6	27.6	97.5	97.5	7.8	7.8	10.6	10.1	6	8	82	82	84	84	<0.2	<0.2	1.9	1.8				
						4.0	0.8	129	18.3	8.0	8.0	27.6	27.6	97.5	97.5	7.8	7.8	10.6	10.1	6	8	82	82	84	84	<0.2	<0.2	1.9	1.8				
					Bottom	7.0	0.7	135	18.3	8.0	8.0	27.8	27.8	98.1	98.1	7.8	7.8	11.6	11.6	13	12	84	84			<0.2	<0.2	1.8	1.7				
						7.0	0.7	138	18.3	8.0	8.0	27.8	27.8	98.1	98.1	7.8	7.8	11.6	11.6	12	12	84	84			<0.2	<0.2	1.7	1.7				
IM12	Cloudy	Moderate	11:54	8.5	Surface	1.0	0.8	107	18.2	18.2	8.0	8.0	27.4	27.4	97.6	97.6	7.8	7.8	6.3	6.5	5	6	77	81	821173	811534	<0.2	<0.2	1.7	1.7			
						1.0	0.8	115	18.2	8.0	8.0	27.4	27.4	97.6	97.6	7.8	7.8	6.3	6.5	5	6	78	82	81	83	<0.2	<0.2	1.7	1.7				
					Middle	4.3	0.8	114	18.3	8.0	8.0	27.8	27.8	97.7	97.7	7.8	7.8	6.2	6.5	8	6	82	81	84	83	<0.2	<0.2	1.9	1.8				
						4.3	0.9	114	18.3	8.0	8.0	27.8	27.8	97.7	97.7	7.8	7.8	6.2	6.5	7	6	81	81	84	83	<0.2	<0.2	1.8	1.5				
					Bottom	7.5	0.6	132	18.3	8.0	8.0	28.3	28.3	99.6	99.7	7.9	7.9	7.1	7.1	7	6	84	83			<0.2	<0.2	1.5	1.5				
						7.5	0.7	133	18.3	8.0	8.0	28.3	28.3	99.7	99.7	7.9	7.9	7.1	7.1	6	6	83	83			<0.2	<0.2	1.5	1.5				
SR2	Cloudy	Moderate	11:26	4.6	Surface	1.0	0.5	76	18.1	18.1	8.0	8.0	28.1	28.1	97.4	97.4	7.8	7.8	6.0	6.9	5	5	80	82	821461	814161	<0.2	<0.2	1.5	1.5			
						1.0	0.5	77	18.1	8.0	8.0	28.1	28.1	97.4	97.4	7.8	7.8	6.0	6.9	5	5	79	82			<0.2	<0.2	1.4	1.4				
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-
					Bottom	3.6	0.4	134	18.3	7.9	7.9	28.8	28.8	98.9	99.0	7.8	7.8	7.7	7.7	5	6	85	85			<0.2	<0.2	1.4	1.5				
						3.6	0.4	134	18.3	7.9	7.9	28.8	28.8	99.0	99.0	7.8	7.8	7.7	7.7	6	6	85	85			<0.2	<0.2	1.4	1.5				
SR3	Cloudy	Moderate	12:42	8.2	Surface	1.0	0.7	172	18.3	18.3	8.0	8.0	26.9	26.9	97.6	97.7	7.8	7.9	7.6	10.2	6	7	-	-	822162	807570	-	-	-	-			
						1.0	0.8	181	18.3	8.0	8.0	26.9	26.9	97.7	97.7	7.8	7.8	7.7	10.2	7	7	-	-	-	-	-	-	-	-	-	-		
					Middle	4.1	0.7	179	18.3	8.0	8.0	27.0	27.0	98.2	98.2	7.9	7.9	9.4	10.2	8	7	-	-	-	-	-	-	-	-	-	-	-	
						4.1	0.7	194	18.3	8.0	8.0	27.0	27.0	98.2	98.2	7.9	7.9	9.4	10.2	6	7	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.2	1.0	135	18.2	8.0	8.0	27.6	27.6	99.3	99.3	7.9	7.9	13.5	13.5	8	8	-	-	-	-	-	-	-	-	-	-	-	
						7.2	1.0	144	18.2	8.0	8.0	27.6	27.6	99.3	99.3	7.9	7.9	13.5	13.5	8	8	-	-	-	-	-	-	-	-	-	-	-	
SR4A	Cloudy	Moderate	11:48	8.0	Surface	1.0	0.4	99	15.1	15.1	7.7	7.7	30.4	30.4	97.0	97.0	8.1	8.1	12.1	17.7	14	19	-	-	817195	807824	-	-	-	-			
						1.0	0.4	103	15.1	7.7	7.7	30.4	30.4	97.0	97.0	8.1	8.1	12.2	17.7	15	19	-	-	-	-	-	-	-	-	-			
					Middle	4.0	0.3	105	15.1	7.7	7.7	30.7	30.7	97.0	97.0	8.1	8.1	17.8	17.7	18	19	-	-	-	-	-	-	-	-	-	-		
						4.0	0.3	112	15.1	7.7	7.7	30.7	30.7	97.0	97.0	8.1	8.1	17.9	17.7	17	19	-	-	-	-	-	-	-	-	-			
					Bottom	7.0	0.3	94	15.1	7.7	7.7	31.1	31.1	97.1	97.1	8.1	8.1	23.1	23.1	26	26	-	-	-	-	-	-	-	-	-	-		
						7.0	0.3	94	15.1	7.7	7.7	31.1	31.1	97.1	97.1	8.1	8.1	23.1	23.1	26	26	-	-	-	-	-	-	-	-	-			
SR5A	Cloudy	Moderate	11:27	4.2	Surface	1.0	0.1	168	15.5	15.5	7.8	7.8	30.4	30.4	94.6	94.6	7.8	7.8	9.7	10.9	12	13	-	-	816576	810706	-	-	-	-			
						1.0	0.1	184	15.5	7.8	7.8	30.4	30.4	94.6	94.6	7.8	7.8	9.7	10.9	14	13	-	-	-	-	-	-	-	-				
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
					Bottom	3.2	0.1	184	15.5	7.7	7.7	30.4	30.4	97.4	97.4	8.1	8.1	12.1	12.1	14	13	-	-	-	-	-	-	-	-	-			
						3.2	0.2	200	15.5	7.7	7.7	30.4	30.4	97.3	97.3	8.1	8.1	12.1	12.1	13	13	-	-	-	-	-	-	-	-				
SR6	Rainy	Moderate	11:00	4.1	Surface	1.0	0.4	165	15.0	15.0	7.7	7.7	27.6	27.6	103.7	103.8	8.8	8.8	5.3	5.4	9	8	-	-	817900	814669	-	-	-	-			
						1.0	0.4	175	15.0	7.7	7.7	27.6	27.6	103.8	103.8	8.8	8.8	5.3	5.4	8	8												

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

**Water Quality Monitoring Results on 26 February 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	Rough	07:05	8.8	Surface	1.0	0.8	137	14.2	7.8	7.8	33.3	33.3	98.5	98.5	8.2	8.2	14.0	14.0	14	14	83	83	84	84	815606	804231	<0.2	<0.2	0.5	0.6	
						1.0	0.9	144	14.2	7.8	7.8	33.3	33.3	98.5	98.5	8.2	8.2	14.1	14.1	13	13	83	83	84	84	815606	804231	<0.2	<0.2	0.5	0.6	
						4.4	0.9	111	14.2	7.8	7.8	33.3	33.3	98.6	98.6	8.2	8.2	14.4	14.4	18	18	84	84	84	84	815606	804231	<0.2	<0.2	0.5	0.6	
					Middle	4.4	1.0	119	14.2	7.8	7.8	33.3	33.3	98.6	98.6	8.2	8.2	14.5	14.5	19	19	84	84	84	84	815606	804231	<0.2	<0.2	0.6	0.6	
						7.8	1.0	106	14.2	7.8	7.8	33.6	33.6	98.6	98.6	8.2	8.2	19.9	19.9	19	19	85	85	85	85	815606	804231	<0.2	<0.2	0.6	0.6	
						7.8	1.0	114	14.2	7.8	7.8	33.6	33.6	98.5	98.6	8.2	8.2	19.9	19.9	18	18	85	85	85	85	815606	804231	<0.2	<0.2	0.6	0.7	
C2	Fine	Moderate	08:16	12.2	Surface	1.0	0.5	168	17.7	8.0	8.0	28.1	28.1	95.4	95.4	7.7	7.7	6.0	6.0	3	3	76	76	81	81	825696	806930	<0.2	<0.2	1.4	1.4	
						1.0	0.5	175	17.7	8.0	8.0	28.1	28.1	95.4	95.4	7.7	7.7	6.0	6.0	5	5	77	77	81	81	825696	806930	<0.2	<0.2	1.4	1.4	
						6.1	0.5	185	17.8	8.0	8.0	28.1	28.1	95.5	95.5	7.7	7.7	8.0	8.0	4	4	82	82	82	82	825696	806930	<0.2	<0.2	1.3	1.3	
					Middle	6.1	0.5	185	17.8	8.0	8.0	28.1	28.1	95.5	95.5	7.7	7.7	8.1	8.1	4	4	82	82	82	82	825696	806930	<0.2	<0.2	1.3	1.3	
						11.2	0.4	247	17.9	7.9	7.9	28.3	28.3	96.4	96.4	7.7	7.7	10.7	10.7	5	5	84	84	84	84	825696	806930	<0.2	<0.2	1.3	1.3	
						11.2	0.4	250	17.9	7.9	7.9	28.3	28.3	96.4	96.4	7.7	7.7	10.7	10.7	6	6	84	84	84	84	825696	806930	<0.2	<0.2	1.3	1.4	
C3	Fine	Moderate	06:25	12.5	Surface	1.0	0.3	240	17.5	8.0	8.0	29.9	29.9	96.8	96.8	7.7	7.7	5.2	5.2	3	3	80	80	83	83	822100	817810	<0.2	<0.2	0.6	0.6	
						1.0	0.3	261	17.5	8.0	8.0	29.9	29.9	96.7	96.8	7.7	7.7	5.3	5.3	5	5	81	81	83	83	822100	817810	<0.2	<0.2	0.6	0.6	
						6.3	0.3	261	17.6	8.0	8.0	30.1	30.1	98.0	98.0	7.8	7.8	7.7	7.7	5	5	83	83	83	83	822100	817810	<0.2	<0.2	0.6	0.6	
					Middle	6.3	0.3	280	17.6	8.0	8.0	30.1	30.1	98.0	98.0	7.8	7.8	7.7	7.7	7	7	82	82	83	83	822100	817810	<0.2	<0.2	0.6	0.6	
						11.5	0.3	256	17.6	8.0	8.0	30.1	30.1	100.5	100.5	8.0	8.0	8.4	8.4	6	6	85	85	85	85	822100	817810	<0.2	<0.2	0.6	0.6	
						11.5	0.3	280	17.6	8.0	8.0	30.1	30.1	100.5	100.5	8.0	8.0	8.4	8.4	6	6	85	85	85	85	822100	817810	<0.2	<0.2	0.6	0.7	
IM1	Cloudy	Rough	07:25	7.8	Surface	1.0	0.8	145	14.5	7.8	7.8	32.6	32.6	96.7	96.7	8.1	8.1	9.7	9.7	11	11	81	81	82	82	818360	806477	<0.2	<0.2	0.8	0.8	
						1.0	0.8	156	14.5	7.8	7.8	32.6	32.6	96.6	96.7	8.1	8.1	9.9	9.9	10	10	81	81	82	82	818360	806477	<0.2	<0.2	0.8	0.8	
						3.9	0.9	140	14.5	7.8	7.8	32.6	32.6	97.2	97.2	8.1	8.1	16.6	16.6	11	11	82	82	82	82	818360	806477	<0.2	<0.2	0.7	0.7	
					Middle	3.9	0.9	149	14.5	7.8	7.8	32.6	32.6	97.1	97.2	8.1	8.1	16.6	16.6	12	12	82	82	82	82	818360	806477	<0.2	<0.2	0.7	0.7	
						6.8	0.8	144	14.5	7.8	7.8	32.7	32.7	97.4	97.4	8.1	8.1	18.6	18.6	19	19	83	83	83	83	818360	806477	<0.2	<0.2	0.7	0.7	
						6.8	0.8	156	14.5	7.8	7.8	32.7	32.7	97.4	97.4	8.1	8.1	18.5	18.5	19	19	83	83	83	83	818360	806477	<0.2	<0.2	0.6	0.6	
IM2	Cloudy	Rough	07:32	8.7	Surface	1.0	0.6	157	14.4	7.8	7.8	32.9	32.9	96.8	96.8	8.1	8.1	11.6	11.6	13	13	81	81	82	82	818852	806175	<0.2	<0.2	0.6	0.6	
						1.0	0.6	158	14.4	7.8	7.8	32.9	32.9	96.8	96.8	8.1	8.1	11.6	11.6	12	12	81	81	82	82	818852	806175	<0.2	<0.2	0.6	0.6	
						4.4	0.6	133	14.5	7.8	7.8	32.8	32.8	96.9	97.0	8.1	8.1	13.3	13.3	15	15	82	82	82	82	818852	806175	<0.2	<0.2	0.8	0.8	
					Middle	4.4	0.6	137	14.5	7.8	7.8	32.8	32.8	97.0	97.0	8.1	8.1	13.4	13.4	15	15	81	81	82	82	818852	806175	<0.2	<0.2	0.9	0.9	
						7.7	0.7	122	14.5	7.8	7.8	32.8	32.8	97.3	97.3	8.1	8.1	15.6	15.6	25	25	82	82	82	82	818852	806175	<0.2	<0.2	0.7	0.7	
						7.7	0.8	133	14.5	7.8	7.8	32.8	32.8	97.4	97.4	8.1	8.1	15.7	15.7	25	25	82	82	82	82	818852	806175	<0.2	<0.2	0.8	0.8	
IM3	Cloudy	Rough	07:41	8.8	Surface	1.0	0.7	144	14.2	7.8	7.8	33.3	33.3	97.5	97.5	8.2	8.2	13.6	13.6	22	22	80	80	81	81	819405	806034	<0.2	<0.2	0.8	0.8	
						1.0	0.7	147	14.2	7.8	7.8	33.3	33.3	97.5	97.5	8.2	8.2	13.6	13.6	22	22	80	80	81	81	819405	806034	<0.2	<0.2	0.7	0.7	
						4.4	0.7	127	14.2	7.8	7.8	33.3	33.3	98.0	98.1	8.2	8.2	14.3	14.3	21	21	81	81	81	81	819405	806034	<0.2	<0.2	0.6	0.6	
					Middle	4.4	0.8	129	14.2	7.8	7.8	33.3	33.3	98.1	98.1	8.2	8.2	14.4	14.4	20	20	81	81	81	81	819405	806034	<0.2	<0.2	0.8	0.8	
						7.8	0.7	152	14.2	7.8	7.8	33.4	33.4	98.7	98.7	8.3	8.3	17.3	17.3	21	21	81	81	81	81	819405	806034	<0.2	<0.2	0.9	0.9	
						7.8	0.7	160	14.2	7.8	7.8	33.3	33.3	98.7	98.7	8.3	8.3	17.0	17.0	22	22	82	82	82	82	819405	806034	<0.2	<0.2	0.8	0.8	
IM4	Cloudy	Rough	07:51	8.1	Surface	1.0	0.6	141	14.2	7.8	7.8	33.4	33.4	97.8	97.8	8.2	8.2	15.4	15.4	18	18	81	81	82	82	819552	805037	<0.2	<0.2	0.8	0.8	
						1.0	0.7	144	14.2	7.8	7.8	33.4	33.4	97.8	97.8	8.2	8.2	15.4	15.4	17	17	80	80	82	82	819552	805037	<0.2	<0.2	0.7	0.7	
						4.1	0.6	142	14.2	7.8	7.8	33.4	33.4	97.7	97.8	8.2	8.2	16.4	16.4	20	20	82	82	82	82	819552	805037	<0.2	<0.2	0.7	0.7	
					Middle	4.1	0.6	154	14.2	7.8	7.8	33.4	33.4	97.8	97.8	8.2	8.2	16.4	16.4	19	19	82	82	82	82	819552	805037	<0.2	<0.2	0.7	0.7	
						7.1	0.6	156	14.2	7.8	7.8	33.4	33.4	98.0	98.0	8.2	8.2	25.9	25.9	25	25	83	83	83	83	819552	805037	<0.2	<0.2	0.6	0.6	
						7.1	0.7	157	14.2	7.8	7.8	33.4	33.4	98.0	98.0	8.2	8.2	25.8	25.8	25	25	82	82	82	82	819552	805037	<0.2	<0.2	0.7	0.7	
IM5	Cloudy	Rough	07:59	7.1	Surface	1.0	0.6	149	14.2	7.8	7.8	33.1	33.1	97.8	97.8	8.2	8.2	8.5	8.5	11	11	80	80	81	81	820571	804910	<0.2	<0.2	0.8	0.8	
						1.0	0.6	161	14.2	7.8	7.8	33.1	33.1	97.7	97.7	8.2	8.2	8.5	8.5	10	10	80	80	81	81	820571	804910	<0.2				

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

**Water Quality Monitoring Results on 26 February 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	07:38	7.3	Surface	1.0	0.6	159	17.6	8.0	8.0	28.4	28.4	97.2	97.2	7.8	7.9	6.2	7.7	6	6	77	81	822110	808827	<0.2	<0.2	1.2	1.4			
						1.0	0.6	171	17.6	8.0	8.0	28.4	28.4	97.2	97.2	7.8	7.9	6.2	7.7	5	6	78	81	822110	808827	<0.2	<0.2	1.4	1.4			
					Middle	3.7	0.6	165	17.6	8.0	8.0	28.5	28.5	98.5	98.5	7.9	7.9	8.0	7.7	8.0	6	6	82	81	822110	808827	<0.2	<0.2	1.4	1.4		
						3.7	0.7	175	17.6	8.0	8.0	28.5	28.5	98.5	98.5	7.9	7.9	8.0	7.7	8.0	5	6	83	81	822110	808827	<0.2	<0.2	1.4	1.4		
					Bottom	6.3	0.6	169	17.7	8.0	8.0	28.6	28.6	100.5	100.5	8.1	8.1	9.0	8.1	9.0	8	7	83	81	822110	808827	<0.2	<0.2	1.5	1.6		
						6.3	0.6	179	17.7	8.0	8.0	28.6	28.6	100.5	100.5	8.1	8.1	9.0	8.1	9.0	7	7	83	81	822110	808827	<0.2	<0.2	1.6	1.6		
IM10	Rainy	Moderate	07:29	8.2	Surface	1.0	0.7	232	17.4	8.0	8.0	28.8	28.8	96.8	96.8	7.8	7.8	10.2	7.7	7	9	77	81	822240	809853	<0.2	<0.2	1.2	1.2			
						1.0	0.7	239	17.4	8.0	8.0	28.8	28.8	96.8	96.8	7.8	7.8	10.2	7.7	9	9	78	81	822240	809853	<0.2	<0.2	1.2	1.2			
					Middle	4.1	0.7	223	17.5	8.0	8.0	28.8	28.8	97.0	97.0	7.8	7.8	12.5	12.1	8	9	83	81	822240	809853	<0.2	<0.2	1.2	1.2			
						4.1	0.7	226	17.5	8.0	8.0	28.8	28.8	97.0	97.0	7.8	7.8	12.5	12.1	7	9	83	81	822240	809853	<0.2	<0.2	1.1	1.2			
					Bottom	7.2	0.6	221	17.5	8.0	8.0	28.8	28.8	97.4	97.4	7.8	7.8	13.6	12.1	12	9	84	81	822240	809853	<0.2	<0.2	1.2	1.2			
						7.2	0.6	228	17.5	8.0	8.0	28.8	28.8	97.4	97.4	7.8	7.8	13.6	12.1	12	9	83	81	822240	809853	<0.2	<0.2	1.2	1.2			
IM11	Rainy	Moderate	07:20	8.3	Surface	1.0	0.5	232	17.5	8.0	8.0	28.8	28.8	97.9	97.9	7.9	8.0	8.6	8.2	9	11	78	82	821491	810528	<0.2	<0.2	0.9	1.0			
						1.0	0.5	234	17.5	8.0	8.0	28.8	28.8	97.9	97.9	7.9	8.0	8.6	8.2	10	11	78	82	821491	810528	<0.2	<0.2	0.9	1.0			
					Middle	4.2	0.4	244	17.5	8.0	8.0	28.8	28.8	99.2	99.3	8.0	8.0	9.3	9.3	12	11	83	82	821491	810528	<0.2	<0.2	1.0	1.0			
						4.2	0.5	261	17.5	8.0	8.0	28.8	28.8	99.3	99.3	8.0	8.0	9.4	9.3	12	11	83	82	821491	810528	<0.2	<0.2	1.0	1.0			
					Bottom	7.3	0.5	240	17.5	8.0	8.0	28.8	28.8	103.1	103.2	8.3	8.3	10.0	8.3	11	11	84	82	821491	810528	<0.2	<0.2	1.0	0.9			
						7.3	0.5	254	17.5	8.0	8.0	28.8	28.8	103.3	103.2	8.3	8.3	9.9	8.3	11	11	84	82	821491	810528	<0.2	<0.2	0.9	0.9			
IM12	Rainy	Moderate	07:12	9.1	Surface	1.0	0.5	229	17.6	8.0	8.0	28.8	28.8	96.7	96.7	7.8	7.9	10.3	8.2	10	11	80	82	821150	811501	<0.2	<0.2	0.9	1.0			
						1.0	0.5	237	17.6	8.0	8.0	28.8	28.8	96.7	96.7	7.8	7.9	10.3	8.2	11	11	79	82	821150	811501	<0.2	<0.2	1.0	1.0			
					Middle	4.6	0.5	232	17.6	8.0	8.0	28.8	28.8	97.7	97.7	7.9	7.9	11.4	10.9	10	11	83	82	821150	811501	<0.2	<0.2	1.0	1.0			
						4.6	0.5	243	17.6	8.0	8.0	28.8	28.8	97.7	97.7	7.9	7.9	11.4	10.9	10	11	82	82	821150	811501	<0.2	<0.2	1.2	1.0			
					Bottom	8.1	0.4	215	17.6	8.0	8.0	28.8	28.8	101.0	101.1	8.1	8.1	11.2	8.1	12	11	84	82	821150	811501	<0.2	<0.2	1.1	1.0			
						8.1	0.4	230	17.6	8.0	8.0	28.8	28.8	101.1	101.1	8.1	8.1	10.9	8.1	14	11	84	82	821150	811501	<0.2	<0.2	1.0	1.0			
SR2	Fine	Moderate	06:49	4.3	Surface	1.0	0.5	250	17.6	8.0	8.0	29.1	29.1	98.4	98.4	7.9	7.9	11.0	8.2	10	11	81	83	821457	814166	<0.2	<0.2	0.9	0.8			
						1.0	0.5	268	17.6	8.0	8.0	29.1	29.1	98.4	98.4	7.9	7.9	11.0	8.2	10	11	81	83	821457	814166	<0.2	<0.2	0.8	0.9			
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	821457	814166	<0.2	<0.2	-	-
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83	821457	814166	<0.2	<0.2	-	-
					Bottom	3.3	0.5	235	17.7	8.0	8.0	29.1	29.1	102.3	102.3	8.2	8.2	11.4	8.2	12	11	85	83	821457	814166	<0.2	<0.2	0.9	1.0			
						3.3	0.5	242	17.7	8.0	8.0	29.1	29.1	102.3	102.3	8.2	8.2	11.4	8.2	12	11	85	83	821457	814166	<0.2	<0.2	1.0	1.0			
SR3	Rainy	Moderate	07:53	9.0	Surface	1.0	0.7	74	17.5	8.0	8.0	28.7	28.7	97.9	98.0	7.9	8.0	9.7	11.4	9	11	-	-	822153	807580	-	-	-	-			
						1.0	0.8	77	17.5	8.0	8.0	28.7	28.7	98.0	98.0	7.9	8.0	9.7	11.4	8	11	-	11	-	-	822153	807580	-	-	-	-	
					Middle	4.5	0.7	110	17.5	8.0	8.0	28.8	28.8	99.5	99.6	8.0	8.0	12.2	11.4	11	11	-	11	-	-	822153	807580	-	-	-	-	
						4.5	0.7	120	17.5	8.0	8.0	28.8	28.8	99.6	99.6	8.0	8.0	12.2	11.4	11	11	-	11	-	-	822153	807580	-	-	-	-	
					Bottom	8.0	0.6	147	17.4	8.0	8.0	28.9	28.9	102.2	102.2	8.2	8.2	12.3	8.2	12	11	-	11	-	-	822153	807580	-	-	-	-	
						8.0	0.7	155	17.4	8.0	8.0	28.9	28.9	102.2	102.2	8.2	8.2	12.3	8.2	12	11	-	11	-	-	822153	807580	-	-	-	-	
SR4A	Fine	Moderate	06:42	8.2	Surface	1.0	0.3	184	14.5	7.8	7.8	31.1	31.1	94.1	94.1	7.9	8.0	9.3	10.1	10	12	-	-	817197	807803	-	-	-	-			
						1.0	0.3	200	14.5	7.8	7.8	31.1	31.1	94.1	94.1	7.9	8.0	9.2	10.1	10	12	-	12	-	-	817197	807803	-	-	-	-	
					Middle	4.1	0.3	162	14.5	7.8	7.8	31.1	31.1	94.5	94.5	8.0	8.0	8.9	10.1	11	12	-	12	-	-	817197	807803	-	-	-	-	
						4.1	0.3	165	14.5	7.8	7.8	31.1	31.1	94.5	94.5	8.0	8.0	9.0	10.1	11	12	-	12	-	-	817197	807803	-	-	-	-	
					Bottom	7.2	0.3	141	14.4	7.8	7.8	31.4	31.4	95.7	95.8	8.1	8.1	11.9	8.1	14	12	-	12	-	-	817197	807803	-	-	-	-	
						7.2	0.3	141	14.4	7.8	7.8	31.4	31.4	95.8	95.8	8.1	8.1	12.0	8.1	15	12	-	12	-	-	817197	807803	-	-	-	-	
SR5A	Fine	Calm	06:24	4.6	Surface	1.0	0.2	252	14.8	7.8	7.8	30.1	30.1	93.0	93.0	7.8	7.8	15.1	14.6	15	15	-	-	816583	810696	-	-	-	-			
						1.0	0.2	272	14.8	7.8	7.8	30.1	30.1	92.9	93.0	7.8	7.8	14.8	14.6	15	15	-	15	-	-	816583	810696	-	-	-	-	
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816583	810696	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816583	810696	-	-	-	-
					Bottom	3.6	0.2	203	14.7	7.7	7.7	30.0	30.0	95.5	95.5	8.1	8.1	14.2	8.1	15	15	-	15	-	-	816583	810696	-	-	-	-	
						3.6	0.2	220	14.7	7.7	7.7	30.0	30.0	95.5	95.5	8.1	8.1	14.2	8.1	16	15	-										

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

**Water Quality Monitoring Results on 26 February 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	12:36	8.8	Surface	1.0	0.7	197	14.2	7.8	7.8	34.3	34.3	99.2	99.3	8.2	8.3	7.4	8.0	7	8	83	84	84	84	815630	804235	<0.2	<0.2	0.5	0.6		
						1.0	0.8	213	14.2	7.8	7.8	34.3	34.3	99.3	99.3	8.2	8.3	7.5	8.0	8	8	84	84	84	84	84	84	84	84	<0.2	<0.2	0.6	0.6
					Middle	4.4	0.7	201	14.2	7.8	7.8	34.3	34.3	99.6	99.7	8.3	8.3	7.9	8.0	7	7	8	8	84	84	84	84	84	84	<0.2	<0.2	0.6	0.6
						4.4	0.7	214	14.2	7.8	7.8	34.3	34.3	99.7	99.7	8.3	8.3	8.0	8.0	9	9	8	8	84	84	84	84	84	84	<0.2	<0.2	0.6	0.6
					Bottom	7.8	0.7	218	14.3	7.8	7.8	34.4	34.4	100.8	100.8	8.4	8.4	8.5	8.4	8	8	8	8	85	85	85	85	85	85	<0.2	<0.2	0.7	0.6
						7.8	0.7	235	14.3	7.8	7.8	34.4	34.4	100.8	100.8	8.4	8.4	8.4	8.4	9	9	8	8	85	85	85	85	85	85	<0.2	<0.2	0.6	0.6
C2	Cloudy	Moderate	11:28	12.7	Surface	1.0	0.6	137	17.7	8.0	8.0	28.1	28.1	95.2	95.2	7.7	7.7	9.1	10.3	8	8	76	76	81	81	825676	806957	<0.2	<0.2	1.8	1.6		
						1.0	0.6	145	17.7	8.0	8.0	28.1	28.1	95.2	95.2	7.7	7.7	9.2	10.3	8	8	76	76	81	81	81	81	81	81	<0.2	<0.2	1.6	1.6
					Middle	6.4	0.6	219	17.7	8.0	8.0	28.4	28.4	95.3	95.3	7.7	7.7	10.4	10.4	9	9	8	8	83	83	83	83	81	81	<0.2	<0.2	1.6	1.6
						6.4	0.7	237	17.7	8.0	8.0	28.4	28.4	95.3	95.3	7.7	7.7	10.4	10.4	8	8	8	8	83	83	83	83	81	81	<0.2	<0.2	1.6	1.6
					Bottom	11.7	0.6	252	17.6	8.0	8.0	29.0	29.0	94.8	94.8	7.6	7.6	11.4	11.4	7	7	7	7	83	83	83	83	81	81	<0.2	<0.2	1.5	1.5
						11.7	0.6	265	17.6	8.0	8.0	29.0	29.0	94.8	94.8	7.6	7.6	11.4	11.4	7	7	7	7	83	83	83	83	81	81	<0.2	<0.2	1.7	1.7
C3	Cloudy	Moderate	13:17	12.4	Surface	1.0	0.4	90	17.5	8.0	8.0	29.9	29.9	97.0	97.0	7.8	7.8	4.0	4.0	4	4	79	79	83	83	822119	817817	<0.2	<0.2	0.8	0.8		
						1.0	0.4	90	17.5	8.0	8.0	29.9	29.9	97.0	97.0	7.8	7.8	4.0	4.0	4	4	4	4	79	79	83	83	822119	817817	<0.2	<0.2	0.8	0.8
					Middle	6.2	0.3	74	17.6	8.0	8.0	30.0	30.0	97.6	97.6	7.8	7.8	3.9	3.9	4	4	4	4	83	83	83	83	83	83	<0.2	<0.2	0.7	0.8
						6.2	0.4	75	17.6	8.0	8.0	30.0	30.0	97.6	97.6	7.8	7.8	3.9	3.9	5	5	4	4	83	83	83	83	83	83	<0.2	<0.2	0.8	0.8
					Bottom	11.4	0.2	96	17.5	8.0	8.0	30.2	30.2	99.9	99.9	8.0	8.0	4.1	4.1	4	4	4	4	86	86	85	85	83	83	<0.2	<0.2	0.9	0.7
						11.4	0.2	103	17.5	8.0	8.0	30.2	30.2	99.9	99.9	8.0	8.0	4.1	4.1	5	5	5	5	85	85	85	85	83	83	<0.2	<0.2	0.7	0.7
IM1	Cloudy	Moderate	12:17	7.4	Surface	1.0	0.6	184	14.3	7.8	7.8	33.1	33.1	97.2	97.3	8.1	8.1	6.1	7.5	7	8	82	83	83	83	818337	806460	<0.2	<0.2	0.9	0.8		
						1.0	0.6	202	14.3	7.8	7.8	33.1	33.1	97.3	97.3	8.1	8.1	6.1	7.5	7	8	83	83	83	83	83	83	818337	806460	<0.2	<0.2	0.8	0.8
					Middle	3.7	0.5	184	14.4	7.8	7.8	33.1	33.1	97.8	97.8	8.2	8.2	7.1	7.1	6	6	8	8	83	84	84	84	83	83	<0.2	<0.2	0.9	0.8
						3.7	0.6	188	14.4	7.8	7.8	33.1	33.1	97.8	97.8	8.2	8.2	7.1	7.1	7	7	8	8	84	84	84	84	83	83	<0.2	<0.2	0.8	0.8
					Bottom	6.4	0.7	162	14.4	7.8	7.8	33.8	33.8	99.1	99.1	8.2	8.2	9.2	9.3	11	11	9	9	84	84	84	84	83	83	<0.2	<0.2	0.9	0.7
						6.4	0.8	169	14.4	7.8	7.8	33.8	33.8	99.1	99.1	8.2	8.2	9.3	9.3	9	9	9	9	84	84	84	84	83	83	<0.2	<0.2	0.7	0.7
IM2	Cloudy	Moderate	12:11	8.3	Surface	1.0	0.5	216	14.4	7.8	7.8	32.8	32.8	97.1	97.2	8.1	8.1	5.4	6.6	6	6	80	80	81	81	818837	806201	<0.2	<0.2	1.0	1.0		
						1.0	0.5	234	14.4	7.8	7.8	32.8	32.8	97.2	97.2	8.1	8.1	5.4	6.6	5	5	6	6	80	80	81	81	818837	806201	<0.2	<0.2	1.0	1.0
					Middle	4.2	0.4	184	14.5	7.8	7.8	32.8	32.8	97.8	97.8	8.2	8.2	6.3	6.4	6	6	6	6	81	81	81	81	81	81	<0.2	<0.2	1.0	0.9
						4.2	0.4	198	14.5	7.8	7.8	32.8	32.8	97.8	97.8	8.2	8.2	6.4	6.4	6	6	6	6	81	81	81	81	81	81	<0.2	<0.2	0.9	0.9
					Bottom	7.3	0.4	141	14.4	7.8	7.8	33.6	33.6	99.7	99.8	8.3	8.3	7.9	7.9	8	8	8	8	82	82	81	81	81	81	<0.2	<0.2	0.9	0.8
						7.3	0.4	151	14.4	7.8	7.8	33.6	33.6	99.8	99.8	8.3	8.3	7.9	7.9	7	7	7	7	81	81	81	81	81	81	<0.2	<0.2	0.8	0.8
IM3	Cloudy	Moderate	12:03	8.4	Surface	1.0	0.5	212	14.4	7.8	7.8	33.1	33.1	96.9	96.9	8.1	8.1	6.3	9.2	7	9	81	81	82	82	819406	806021	<0.2	<0.2	1.0	0.9		
						1.0	0.5	214	14.4	7.8	7.8	33.1	33.1	96.9	96.9	8.1	8.1	6.4	9.2	8	8	81	81	82	82	82	82	819406	806021	<0.2	<0.2	0.9	0.9
					Middle	4.2	0.5	165	14.4	7.8	7.8	33.3	33.3	97.2	97.2	8.1	8.1	8.1	8.1	9	9	9	9	82	82	82	82	82	82	<0.2	<0.2	0.7	0.9
						4.2	0.5	181	14.4	7.8	7.8	33.3	33.3	97.1	97.2	8.1	8.1	8.1	8.1	10	10	9	9	82	82	82	82	82	82	<0.2	<0.2	0.9	0.8
					Bottom	7.4	0.4	165	14.4	7.8	7.8	33.6	33.6	97.7	97.7	8.1	8.1	13.2	13.2	9	9	9	9	82	82	82	82	82	82	<0.2	<0.2	0.6	0.6
						7.4	0.5	170	14.4	7.8	7.8	33.6	33.6	97.7	97.7	8.1	8.1	13.2	13.2	8	8	8	8	84	84	84	84	82	82	<0.2	<0.2	0.6	0.6
IM4	Cloudy	Moderate	11:55	8.0	Surface	1.0	0.6	167	14.4	7.8	7.8	33.4	33.4	98.0	98.0	8.2	8.2	8.2	10.3	8	10	81	81	82	82	819574	805057	<0.2	<0.2	0.7	0.7		
						1.0	0.7	178	14.4	7.8	7.8	33.4	33.4	98.0	98.0	8.2	8.2	8.2	10.3	8	8	81	81	82	82	82	82	819574	805057	<0.2	<0.2	0.8	0.8
					Middle	4.0	0.6	184	14.4	7.8	7.8	33.5	33.5	98.9	98.9	8.2	8.2	11.3	11.3	9	9	9	9	82	82	82	82	82	82	<0.2	<0.2	0.8	0.7
						4.0	0.6	201	14.4	7.8	7.8	33.5	33.5	98.9	98.9	8.2	8.2	11.3	11.3	9	9	9	9	82	82	82	82	82	82	<0.2	<0.2	0.7	0.7
					Bottom	7.0	0.7	173	14.4	7.8	7.8	33.4	33.4	99.8	99.8	8.3	8.3	11.6	11.6	14	14	14	14	82	82	82	82	82	82	<0.2	<0.2	0.6	0.6
						7.0	0.8	182	14.4	7.8	7.8	33.4	33.4	99.8	99.8	8.3	8.3	11.4	11.4	14	14	14	14	82	82	82	82	82	82	<0.2	<0.2	0.8	0.8
IM5	Cloudy	Moderate	11:47	6.9	Surface	1.0	0.6	167	14.2	7.8	7.8	33.2	33.2	98.0	98.1	8.2	8.2	7.1	8.3	8	9	80	80										

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

**Water Quality Monitoring Results on 26 February 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	Rainy	Moderate	12:04	7.5	Surface	1.0	0.5	127	17.4	8.0	8.0	28.6	28.6	97.6	97.6	7.9	8.0	7.8	9.6	8	7	77	81	822113	808791	<0.2	<0.2	1.0	1.0				
						1.0	0.5	129	17.4	8.0	8.0	28.6	28.6	97.6	97.6	7.9	8.0	7.8	9.6	7	7	78	7	78	81	822113	808791	<0.2	<0.2	1.0	1.0		
					Middle	3.8	0.6	124	17.4	8.0	8.0	28.6	28.6	98.9	99.0	8.0	8.0	9.8	9.6	8	7	82	8	83	81	822113	808791	<0.2	<0.2	1.0	1.0		
						3.8	0.6	125	17.4	8.0	8.0	28.6	28.6	99.0	99.0	8.0	8.0	9.9	9.6	8	7	83	8	83	81	822113	808791	<0.2	<0.2	1.0	1.0		
					Bottom	6.5	0.6	112	17.4	8.0	8.0	28.8	28.8	101.9	102.0	8.2	8.2	11.2	8.2	11.2	8.2	7	7	84	7	84	81	822113	808791	<0.2	<0.2	1.2	1.0
						6.5	0.6	119	17.4	8.0	8.0	28.8	28.8	102.0	102.0	8.2	8.2	11.2	8.2	11.2	8.2	7	7	84	7	84	81	822113	808791	<0.2	<0.2	1.2	1.0
IM10	Rainy	Moderate	12:14	8.2	Surface	1.0	0.7	127	17.5	8.0	8.0	28.6	28.6	97.5	97.5	7.9	7.9	6.0	6.4	4	4	78	82	822225	809820	<0.2	<0.2	1.1	1.2				
						1.0	0.8	135	17.5	8.0	8.0	28.6	28.6	97.5	97.5	7.9	7.9	6.0	6.4	4	4	78	6	83	82	822225	809820	<0.2	<0.2	1.1	1.2		
					Middle	4.1	0.6	136	17.5	8.0	8.0	28.6	28.7	98.1	98.1	7.9	8.0	6.5	8.0	6	6	83	7	82	82	822225	809820	<0.2	<0.2	1.1	1.2		
						4.1	0.7	136	17.5	8.0	8.0	28.7	28.7	98.1	98.1	7.9	8.0	6.5	8.0	6	6	82	7	82	82	822225	809820	<0.2	<0.2	1.2	1.4		
					Bottom	7.2	0.8	151	17.4	8.0	8.0	28.8	28.8	99.6	99.6	8.0	8.0	6.6	8.0	7	7	84	7	84	82	822225	809820	<0.2	<0.2	1.4	1.2		
						7.2	0.9	158	17.4	8.0	8.0	28.8	28.8	99.6	99.6	8.0	8.0	6.6	8.0	7	7	84	7	84	82	822225	809820	<0.2	<0.2	1.4	1.2		
IM11	Rainy	Moderate	12:21	8.2	Surface	1.0	0.7	130	17.5	8.0	8.0	28.8	28.8	97.5	97.6	7.9	7.9	7.1	9.7	6	4	78	81	821505	810555	<0.2	<0.2	0.9	1.1				
						1.0	0.8	131	17.5	8.0	8.0	28.8	28.8	97.6	97.6	7.9	7.9	7.1	9.7	4	7	78	6	83	82	821505	810555	<0.2	<0.2	1.1	1.1		
					Middle	4.1	0.6	129	17.5	8.0	8.0	28.8	28.8	98.5	98.6	7.9	8.0	7.7	9.7	6	7	83	7	82	81	821505	810555	<0.2	<0.2	1.1	0.9		
						4.1	0.6	137	17.5	8.0	8.0	28.8	28.8	98.6	98.6	7.9	8.0	7.7	9.7	6	7	82	7	82	81	821505	810555	<0.2	<0.2	0.9	1.1		
					Bottom	7.2	0.7	130	17.5	8.0	8.0	28.9	28.9	101.0	101.0	8.1	8.1	14.3	8.1	8	8	84	8	84	81	821505	810555	<0.2	<0.2	1.2	1.1		
						7.2	0.7	132	17.5	8.0	8.0	28.9	28.9	101.0	101.0	8.1	8.1	14.3	8.1	8	8	83	8	83	81	821505	810555	<0.2	<0.2	1.1	1.1		
IM12	Rainy	Moderate	12:30	8.0	Surface	1.0	0.7	113	17.5	8.0	8.0	28.8	28.8	96.8	96.8	7.8	7.8	7.6	8.4	9	9	77	82	821160	811518	<0.2	<0.2	1.0	1.1				
						1.0	0.7	113	17.5	8.0	8.0	28.8	28.8	96.8	96.8	7.8	7.8	7.7	8.4	9	10	78	10	78	82	821160	811518	<0.2	<0.2	1.0	1.0		
					Middle	4.0	0.7	124	17.5	8.0	8.0	28.9	28.9	97.5	97.5	7.8	8.0	8.3	8.0	10	10	83	9	83	82	821160	811518	<0.2	<0.2	1.2	1.0		
						4.0	0.7	124	17.5	8.0	8.0	28.9	28.9	97.5	97.5	7.8	8.0	8.3	8.0	10	10	83	9	83	82	821160	811518	<0.2	<0.2	1.0	1.1		
					Bottom	7.0	0.6	115	17.6	8.0	8.0	29.1	29.1	99.7	99.7	8.0	8.0	9.1	8.0	9	11	84	11	84	82	821160	811518	<0.2	<0.2	1.1	1.1		
						7.0	0.7	118	17.6	8.0	8.0	29.1	29.1	99.7	99.7	8.0	8.0	9.1	8.0	11	11	84	11	84	82	821160	811518	<0.2	<0.2	1.1	1.1		
SR2	Rainy	Moderate	12:54	4.9	Surface	1.0	0.4	82	17.6	8.0	8.0	28.9	28.9	97.8	97.8	7.8	7.9	6.5	6.7	9	8	80	82	821476	814169	<0.2	<0.2	1.1	1.1				
						1.0	0.4	83	17.6	8.0	8.0	28.9	28.9	97.8	97.8	7.9	7.9	6.5	6.7	8	8	79	8	79	82	821476	814169	<0.2	<0.2	1.1	1.1		
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821476	814169	-	<0.2	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	82	821476	814169	-	<0.2	-	-	
					Bottom	3.9	0.4	107	17.6	8.0	8.0	29.2	29.2	100.2	100.2	8.0	8.0	6.9	8.0	8	8	85	7	85	82	821476	814169	<0.2	<0.2	1.0	1.0		
						3.9	0.4	114	17.6	8.0	8.0	29.2	29.2	100.2	100.2	8.0	8.0	6.9	8.0	7	7	85	7	85	82	821476	814169	<0.2	<0.2	1.0	1.0		
SR3	Cloudy	Moderate	11:49	9.0	Surface	1.0	0.7	129	17.3	8.0	8.0	28.9	28.9	97.8	97.8	7.9	7.9	15.9	16.5	12	12	-	-	822143	807588	-	-	-	-				
						1.0	0.8	137	17.3	8.0	8.0	28.9	28.9	97.8	97.8	7.9	7.9	15.9	16.5	10	12	-	-	-	-	822143	807588	-	-	-	-		
					Middle	4.5	0.8	113	17.3	8.0	8.0	28.9	28.9	97.9	97.9	7.9	8.0	17.7	16.5	14	12	-	-	-	-	822143	807588	-	-	-	-		
						4.5	0.8	113	17.3	8.0	8.0	28.9	28.9	97.9	97.9	7.9	8.0	17.7	16.5	14	12	-	-	-	-	822143	807588	-	-	-	-		
					Bottom	8.0	0.7	115	17.3	8.0	8.0	28.9	28.9	98.6	98.6	8.0	8.0	16.0	8.0	12	12	-	-	-	-	822143	807588	-	-	-	-		
						8.0	0.7	125	17.3	8.0	8.0	28.9	28.9	98.6	98.6	8.0	8.0	16.0	8.0	12	12	-	-	-	-	822143	807588	-	-	-	-		
SR4A	Cloudy	Moderate	13:01	7.9	Surface	1.0	0.3	118	14.3	7.8	7.8	33.0	33.0	97.0	97.0	8.1	8.1	12.5	12.4	14	15	-	-	817199	807799	-	-	-	-				
						1.0	0.3	120	14.3	7.8	7.8	33.0	33.0	97.0	97.0	8.1	8.1	12.6	12.4	15	15	-	-	-	-	817199	807799	-	-	-	-		
					Middle	4.0	0.3	114	14.3	7.8	7.8	33.1	33.1	97.6	97.6	8.1	8.1	12.1	12.4	14	15	-	-	-	-	817199	807799	-	-	-	-		
						4.0	0.3	115	14.3	7.8	7.8	33.1	33.1	97.6	97.6	8.1	8.1	12.1	12.4	15	15	-	-	-	-	817199	807799	-	-	-	-		
					Bottom	6.9	0.3	124	14.4	7.8	7.8	33.1	33.1	99.1	99.1	8.3	8.3	12.4	8.3	14	14	-	-	-	-	817199	807799	-	-	-	-		
						6.9	0.3	133	14.4	7.8	7.8	33.1	33.1	99.1	99.1	8.3	8.3	12.4	8.3	14	14	-	-	-	-	817199	807799	-	-	-	-		
SR5A	Cloudy	Calm	13:20	4.6	Surface	1.0	0.2	251	14.8	7.7	7.7	31.7	31.7	94.9	94.9	7.9	7.9	12.3	12.9	10	10	-	-	816596	810679	-	-	-	-				
						1.0	0.2	255	14.8	7.7	7.7	31.7	31.7	94.9	94.9	7.9	7.9	12.2	12.9	11	10	-	-	-	-	816596	810679	-	-	-	-		
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810679	-	-	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810679	-	-	-	-	
					Bottom	3.6	0.1	230	14.7	7.7	7.7	31.6	31.6	99.3	99.3	8.3	8																

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

**Water Quality Monitoring Results on 28 February 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	Fine	Moderate	07:53	8.7	Surface	1.0	0.8	69	14.3	7.9	7.9	33.3	33.3	98.4	98.4	8.2	8.2	16.0	16.0	19	20	87	88	90	90	815626	804259	<0.2	0.8	0.7	0.8				
						1.0	0.8	71	14.3	7.9	7.9	33.3	33.3	98.4	98.4	8.2	8.2	16.0	16.0	20	20	88	88	90	90	815626	804259	<0.2	0.7	0.7	0.8				
					Middle	4.4	0.7	60	14.3	7.9	7.9	33.2	33.2	98.1	98.1	8.2	8.2	18.1	19.8	21	21	90	90	89	90	90	90	815626	804259	<0.2	0.7	0.7	0.8		
						4.4	0.8	63	14.3	7.9	7.9	33.2	33.2	98.1	98.1	8.2	8.2	18.1	19.8	22	21	89	90	89	90	90	90	815626	804259	<0.2	0.7	0.7	0.8		
					Bottom	7.7	0.7	71	14.2	7.9	7.9	33.4	33.4	97.8	97.8	8.2	8.2	25.2	8.2	22	21	93	93	94	94	94	94	90	90	815626	804259	<0.2	0.8	0.8	0.8
						7.7	0.7	75	14.2	7.9	7.9	33.4	33.4	97.8	97.8	8.2	8.2	25.2	8.2	22	21	93	93	94	94	94	94	90	90	815626	804259	<0.2	0.8	0.8	0.8
C2	Sunny	Moderate	09:10	12.6	Surface	1.0	0.4	269	17.6	7.9	7.9	28.6	28.6	94.1	94.1	7.6	7.6	10.2	10.2	8	9	85	86	91	90	825686	806933	<0.2	1.8	1.6	1.4				
						1.0	0.4	271	17.6	7.9	7.9	28.6	28.6	94.1	94.1	7.6	7.6	10.3	14.8	9	11	86	86	91	91	90	90	825686	806933	<0.2	1.6	1.3	1.4		
					Middle	6.3	0.3	146	17.4	7.9	7.9	28.7	28.7	93.6	93.6	7.6	7.6	14.0	14.8	12	11	91	92	92	92	92	92	825686	806933	<0.2	1.3	1.1	1.4		
						6.3	0.3	160	17.4	7.9	7.9	28.7	28.7	93.6	93.6	7.6	7.6	14.0	14.8	11	11	92	92	92	92	92	92	825686	806933	<0.2	1.1	1.1	1.4		
					Bottom	11.6	0.3	73	17.3	7.9	7.9	29.0	29.0	93.4	93.4	7.5	7.5	20.2	7.5	14	14	93	94	93	94	94	94	90	90	825686	806933	<0.2	1.3	1.3	1.4
						11.6	0.3	78	17.3	7.9	7.9	29.0	29.0	93.4	93.4	7.5	7.5	20.2	7.5	14	14	93	94	94	94	94	94	90	90	825686	806933	<0.2	1.3	1.3	1.4
C3	Cloudy	Moderate	07:15	11.5	Surface	1.0	0.6	269	17.2	8.0	8.0	30.3	30.3	95.4	95.4	7.6	7.6	10.2	10.2	15	15	89	89	93	93	822115	817810	<0.2	0.8	0.8	0.9				
						1.0	0.6	275	17.2	8.0	8.0	30.3	30.3	95.4	95.4	7.6	7.6	10.2	14.4	15	17	89	89	93	93	92	92	822115	817810	<0.2	0.8	0.8	0.9		
					Middle	5.8	0.5	270	17.2	8.0	8.0	30.3	30.3	95.1	95.1	7.6	7.6	14.1	14.4	14	17	93	93	93	93	93	93	822115	817810	<0.2	0.8	0.8	0.9		
						5.8	0.6	280	17.2	8.0	8.0	30.3	30.3	95.1	95.1	7.6	7.6	14.1	14.4	16	17	93	93	93	93	93	93	822115	817810	<0.2	0.8	0.8	0.9		
					Bottom	10.5	0.5	272	17.2	8.0	8.0	30.3	30.3	95.2	95.2	7.6	7.6	19.0	7.6	21	17	95	95	95	95	95	95	92	92	822115	817810	<0.2	1.1	1.1	0.9
						10.5	0.5	275	17.2	8.0	8.0	30.3	30.3	95.2	95.2	7.6	7.6	19.0	7.6	22	17	95	95	95	95	95	95	92	92	822115	817810	<0.2	1.1	1.1	0.9
IM1	Fine	Moderate	08:10	7.6	Surface	1.0	0.6	166	14.3	7.9	7.9	33.6	33.6	97.3	97.3	8.1	8.1	14.9	14.9	16	16	87	87	90	89	818357	806445	<0.2	0.7	0.7	0.6				
						1.0	0.6	176	14.3	7.9	7.9	33.6	33.6	97.3	97.3	8.1	8.1	15.0	19.8	16	18	87	87	90	89	89	89	818357	806445	<0.2	0.7	0.5	0.6		
					Middle	3.8	0.5	214	14.3	7.9	7.9	33.5	33.5	97.1	97.1	8.1	8.1	21.9	19.8	20	18	90	89	89	89	90	89	818357	806445	<0.2	0.5	0.6	0.6		
						3.8	0.5	222	14.3	7.9	7.9	33.5	33.5	97.1	97.1	8.1	8.1	21.9	19.8	18	18	89	89	89	89	90	89	818357	806445	<0.2	0.6	0.6	0.6		
					Bottom	6.6	0.4	191	14.3	7.9	7.9	33.5	33.5	97.1	97.1	8.1	8.1	22.6	8.1	19	18	90	90	92	92	92	92	90	90	818357	806445	<0.2	0.6	0.6	0.7
						6.6	0.5	196	14.3	7.9	7.9	33.5	33.5	97.1	97.1	8.1	8.1	22.6	8.1	18	18	92	92	92	92	92	92	90	90	818357	806445	<0.2	0.6	0.7	0.7
IM2	Fine	Moderate	08:19	8.7	Surface	1.0	0.6	95	14.5	8.0	8.0	33.7	33.7	97.6	97.6	8.1	8.1	20.0	20.3	23	24	87	88	90	90	818842	806175	<0.2	0.5	0.5	0.6				
						1.0	0.7	103	14.5	8.0	8.0	33.7	33.7	97.6	97.6	8.1	8.1	20.3	21.8	24	23	88	90	91	91	90	90	818842	806175	<0.2	0.5	0.6	0.6		
					Middle	4.4	0.6	100	14.4	7.9	7.9	33.8	33.8	97.9	97.9	8.1	8.1	21.7	21.8	23	23	90	91	91	91	91	91	818842	806175	<0.2	0.6	0.7	0.6		
						4.4	0.6	104	14.4	7.9	7.9	33.8	33.8	97.9	97.9	8.1	8.1	21.7	21.8	23	23	91	91	91	91	91	91	818842	806175	<0.2	0.6	0.7	0.6		
					Bottom	7.7	0.5	108	14.3	7.9	7.9	33.7	33.7	97.6	97.6	8.1	8.1	23.5	8.1	21	23	93	92	93	92	92	92	90	90	818842	806175	<0.2	0.6	0.6	0.8
						7.7	0.5	109	14.3	7.9	7.9	33.7	33.7	97.6	97.6	8.1	8.1	23.5	8.1	23	23	92	92	92	92	92	92	90	90	818842	806175	<0.2	0.6	0.8	0.8
IM3	Fine	Moderate	08:29	8.9	Surface	1.0	0.6	94	14.5	8.0	8.0	33.7	33.7	97.9	97.9	8.1	8.1	19.2	19.3	22	24	85	87	91	90	819414	806028	<0.2	1.0	0.9	1.2				
						1.0	0.6	101	14.5	8.0	8.0	33.7	33.7	97.9	97.9	8.1	8.1	19.3	20.6	24	23	87	87	91	90	90	90	819414	806028	<0.2	0.9	1.0	1.2		
					Middle	4.5	0.6	135	14.5	8.0	8.0	33.7	33.7	97.8	97.8	8.1	8.1	20.7	20.6	23	23	91	91	91	91	91	91	819414	806028	<0.2	1.0	1.1	1.2		
						4.5	0.6	143	14.5	8.0	8.0	33.7	33.7	97.8	97.8	8.1	8.1	20.7	20.6	24	23	90	90	91	91	91	91	819414	806028	<0.2	1.1	1.1	1.2		
					Bottom	7.9	0.6	95	14.5	7.9	7.9	33.7	33.7	97.9	97.9	8.1	8.1	21.7	8.1	24	23	93	94	93	94	94	94	90	90	819414	806028	<0.2	1.7	1.7	1.2
						7.9	0.7	100	14.5	7.9	7.9	33.7	33.7	97.9	97.9	8.1	8.1	21.7	8.1	23	23	94	94	94	94	94	94	90	90	819414	806028	<0.2	1.7	1.7	1.2
IM4	Fine	Moderate	08:34	8.4	Surface	1.0	0.5	123	14.5	7.9	7.9	33.8	33.8	98.2	98.2	8.1	8.1	18.2	18.2	21	20	86	87	90	90	819558	805046	<0.2	0.6	0.7	0.6				
						1.0	0.5	134	14.5	7.9	7.9	33.8	33.8	98.2	98.2	8.1	8.1	18.2	20.7	20	24	87	87	90	90	90	90	819558	805046	<0.2	0.7	0.6	0.6		
					Middle	4.2	0.5	110	14.4	7.9	7.9	33.8	33.8	98.0	98.0	8.1	8.1	20.0	20.7	23	24	90	89	89	89	90	90	819558	805046	<0.2	0.6	0.6	0.6		
						4.2	0.6	111	14.5	7.9	7.9	33.8	33.8	98.0	98.0	8.1	8.1	20.1	20.7	25	24	89	89	90	90	90	90	819558	805046	<0.2	0.6	0.6	0.6		
					Bottom	7.4	0.5	132	14.4	7.9	7.9	33.8	33.8	97.8	97.8	8.1	8.1	23.7	8.1	26	27	92	94	92	94	94	94	90	90	819558	805046	<0.2	0.6	0.6	0.7
						7.4	0.5	141	14.4	7.9																									



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

**Water Quality Monitoring Results on 28 February 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	08:37	7.5	Surface	1.0	0.5	251	17.4	8.0	8.0	29.1	29.1	95.6	95.6	7.7	7.7	9.3	7.7	5	8	86	91	822076	808822	<0.2	<0.2	1.3	1.3			
						1.0	0.5	252	17.4	8.0	8.0	29.1	29.1	95.6	95.6	7.7	7.7	9.3	7.7	7	8	87	91	822076	808822	<0.2	<0.2	1.3	1.3			
					Middle	3.8	0.4	254	17.3	8.0	8.0	29.2	29.2	95.3	95.3	7.7	7.7	10.4	10.7	8	8	91	91	822076	808822	<0.2	<0.2	1.3	1.3			
						3.8	0.5	275	17.3	8.0	8.0	29.2	29.2	95.3	95.3	7.7	7.7	10.4	10.7	10	8	92	91	822076	808822	<0.2	<0.2	1.4	1.4			
					Bottom	6.5	0.4	244	17.3	8.0	8.0	29.4	29.4	95.0	95.0	7.7	7.7	12.3	7.7	9	8	93	91	822076	808822	<0.2	<0.2	1.2	1.2			
						6.5	0.4	260	17.3	8.0	8.0	29.4	29.4	95.0	95.0	7.7	7.7	12.3	7.7	10	8	94	91	822076	808822	<0.2	<0.2	1.1	1.1			
IM10	Sunny	Moderate	08:27	8.2	Surface	1.0	0.5	256	17.2	8.0	8.0	30.3	30.3	97.3	97.3	7.8	7.8	14.8	7.8	16	18	87	91	822231	809847	<0.2	<0.2	1.1	1.1			
						1.0	0.5	281	17.2	8.0	8.0	30.3	30.3	97.2	97.2	7.8	7.8	14.8	7.8	17	18	87	91	822231	809847	<0.2	<0.2	0.9	0.9			
					Middle	4.1	0.4	255	17.1	8.0	8.0	30.3	30.3	97.2	97.2	7.8	7.8	17.1	17.0	18	18	92	91	822231	809847	<0.2	<0.2	1.0	1.0			
						4.1	0.4	279	17.1	8.0	8.0	30.3	30.3	97.2	97.2	7.8	7.8	17.1	17.0	20	18	91	91	822231	809847	<0.2	<0.2	0.9	0.9			
					Bottom	7.2	0.4	244	17.1	8.0	8.0	30.3	30.3	97.1	97.1	7.8	7.8	19.0	7.8	18	18	94	91	822231	809847	<0.2	<0.2	1.1	1.1			
						7.2	0.4	246	17.1	8.0	8.0	30.3	30.3	97.1	97.1	7.8	7.8	19.0	7.8	20	18	93	91	822231	809847	<0.2	<0.2	0.9	0.9			
IM11	Sunny	Moderate	08:19	8.3	Surface	1.0	0.5	268	17.2	8.0	8.0	30.1	30.1	96.9	96.9	7.8	7.8	13.0	7.8	14	18	87	91	821497	810538	<0.2	<0.2	1.4	1.4			
						1.0	0.5	289	17.2	8.0	8.0	30.1	30.1	96.9	96.9	7.8	7.8	13.0	7.8	13	18	87	91	821497	810538	<0.2	<0.2	1.5	1.5			
					Middle	4.2	0.4	264	17.1	8.0	8.0	30.1	30.1	96.3	96.3	7.8	7.8	16.6	16.1	16	18	92	91	821497	810538	<0.2	<0.2	1.6	1.6			
						4.2	0.4	272	17.1	8.0	8.0	30.1	30.1	96.3	96.3	7.8	7.8	16.6	16.1	17	18	91	91	821497	810538	<0.2	<0.2	1.4	1.4			
					Bottom	7.3	0.4	233	17.1	8.0	8.0	30.2	30.2	96.2	96.2	7.7	7.7	18.8	7.7	24	18	94	91	821497	810538	<0.2	<0.2	1.4	1.4			
						7.3	0.4	248	17.1	8.0	8.0	30.2	30.2	96.2	96.2	7.7	7.7	18.8	7.7	22	18	94	91	821497	810538	<0.2	<0.2	1.4	1.4			
IM12	Sunny	Moderate	08:09	8.7	Surface	1.0	0.5	249	17.1	8.0	8.0	30.2	30.2	97.1	97.1	7.8	7.8	15.4	7.8	16	18	88	91	821155	811528	<0.2	<0.2	1.2	1.2			
						1.0	0.5	266	17.1	8.0	8.0	30.2	30.2	97.1	97.1	7.8	7.8	15.4	7.8	16	18	87	91	821155	811528	<0.2	<0.2	1.1	1.1			
					Middle	4.4	0.4	256	17.1	8.0	8.0	30.2	30.2	96.8	96.8	7.8	7.8	17.8	17.5	18	18	92	91	821155	811528	<0.2	<0.2	1.3	1.3			
						4.4	0.5	279	17.1	8.0	8.0	30.2	30.2	96.8	96.8	7.8	7.8	17.8	17.5	17	18	92	91	821155	811528	<0.2	<0.2	1.2	1.2			
					Bottom	7.7	0.4	246	17.1	8.0	8.0	30.2	30.2	97.0	97.0	7.8	7.8	19.4	7.8	20	18	95	91	821155	811528	<0.2	<0.2	1.3	1.3			
						7.7	0.4	247	17.1	8.0	8.0	30.2	30.2	97.0	97.0	7.8	7.8	19.4	7.8	21	18	94	91	821155	811528	<0.2	<0.2	1.2	1.2			
SR2	Cloudy	Moderate	07:36	4.6	Surface	1.0	0.2	239	17.1	8.0	8.0	30.2	30.2	97.2	97.2	7.8	7.8	12.3	7.8	12	13	89	92	821449	814148	<0.2	<0.2	1.0	1.0			
						1.0	0.2	262	17.1	8.0	8.0	30.2	30.2	97.2	97.2	7.8	7.8	12.4	7.8	14	13	88	92	821449	814148	<0.2	<0.2	1.1	1.1			
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821449	814148	<0.2	<0.2	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821449	814148	<0.2	<0.2	-
					Bottom	3.6	0.2	209	17.1	8.0	8.0	30.3	30.3	97.4	97.4	7.8	7.8	13.8	7.8	13	13	95	92	821449	814148	<0.2	<0.2	1.3	1.3			
						3.6	0.2	220	17.1	8.0	8.0	30.3	30.3	97.4	97.4	7.8	7.8	13.8	7.8	12	13	94	92	821449	814148	<0.2	<0.2	1.5	1.5			
SR3	Sunny	Moderate	08:51	9.2	Surface	1.0	0.6	65	17.3	8.0	8.0	29.7	29.8	96.2	96.2	7.7	7.7	12.7	7.7	9	12	-	-	822132	807551	-	-	-	-			
						1.0	0.6	65	17.3	8.0	8.0	29.8	29.8	96.1	96.1	7.7	7.7	12.9	7.7	10	12	-	-	822132	807551	-	-	-	-			
					Middle	4.6	0.5	71	17.1	8.0	8.0	29.9	29.9	95.7	95.7	7.7	7.7	16.6	7.7	11	12	-	-	-	-	822132	807551	-	-	-	-	
						4.6	0.5	75	17.1	8.0	8.0	29.9	29.9	95.7	95.7	7.7	7.7	16.6	7.7	11	12	-	-	-	-	822132	807551	-	-	-	-	
					Bottom	8.2	0.4	110	17.1	8.0	8.0	30.0	30.0	95.6	95.6	7.7	7.7	23.9	7.7	15	12	-	-	-	-	822132	807551	-	-	-	-	
						8.2	0.4	118	17.1	8.0	8.0	30.0	30.0	95.6	95.6	7.7	7.7	23.9	7.7	15	12	-	-	-	-	822132	807551	-	-	-	-	
SR4A	Cloudy	Calm	07:31	8.4	Surface	1.0	0.3	199	14.3	7.8	7.8	32.1	32.1	95.0	95.0	8.0	8.0	14.9	8.0	16	16	-	-	817180	807808	-	-	-	-			
						1.0	0.3	209	14.3	7.8	7.8	32.1	32.1	95.0	95.0	8.0	8.0	14.8	8.0	16	16	-	-	817180	807808	-	-	-	-			
					Middle	4.2	0.3	138	14.3	7.8	7.8	32.2	32.2	95.1	95.1	8.0	8.0	16.3	8.0	14	16	-	-	-	-	817180	807808	-	-	-	-	
						4.2	0.3	145	14.3	7.8	7.8	32.2	32.2	95.1	95.1	8.0	8.0	16.2	8.0	14	16	-	-	-	-	817180	807808	-	-	-	-	
					Bottom	7.4	0.3	146	14.3	7.8	7.8	32.2	32.2	95.4	95.4	8.0	8.0	16.5	8.0	17	16	-	-	-	-	817180	807808	-	-	-	-	
						7.4	0.3	148	14.3	7.8	7.8	32.2	32.2	95.4	95.4	8.0	8.0	16.5	8.0	18	16	-	-	-	-	817180	807808	-	-	-	-	
SR5A	Cloudy	Calm	07:13	4.6	Surface	1.0	0.2	143	14.3	7.8	7.8	31.5	31.5	95.6	95.7	8.1	8.1	8.3	8.1	9	10	-	-	816593	810690	-	-	-	-			
						1.0	0.2	151	14.3	7.8	7.8	31.5	31.5	95.7	95.7	8.1	8.1	8.3	8.1	10	10	-	-	816593	810690	-	-	-	-			
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816593	810690	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816593	810690	-	-	-	-
					Bottom	3.6	0.3	137	14.3	7.8	7.8	31.6	31.6	96.2	96.2	8.1	8.1	8.8	8.1	10	10	-	-	-	-	816593	810690	-	-	-	-	
						3.6	0.3	147	14.3	7.8	7.8	31.6	31.6	96.2	96.2	8.1	8.1	8.8	8.1	10	10	-	-	-	-	816593	810690	-	-	-	-	
SR6	Cloudy																															

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

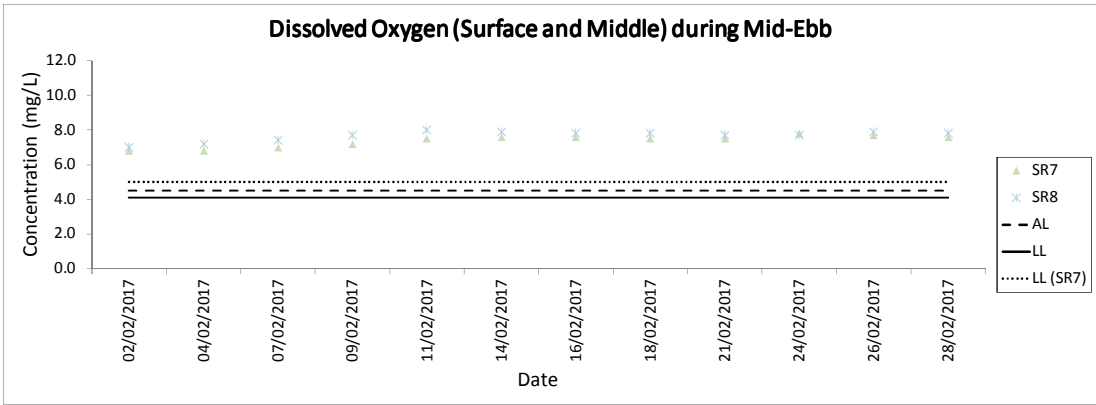
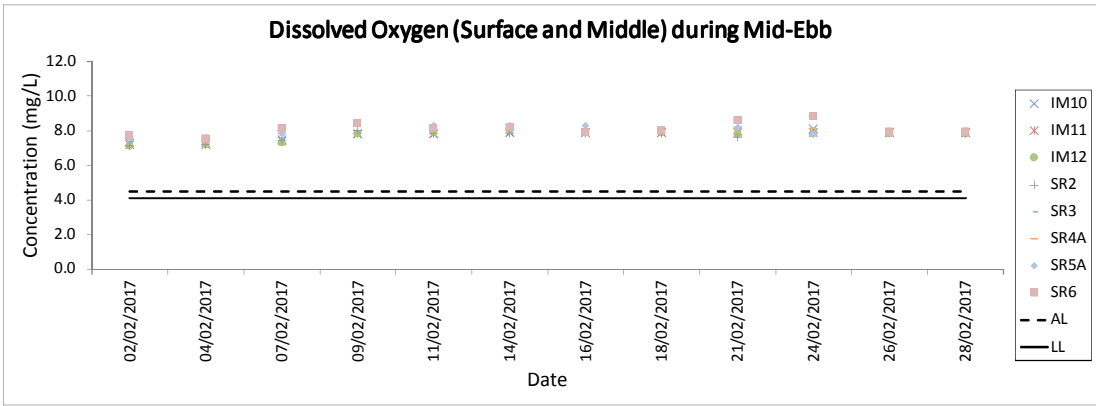
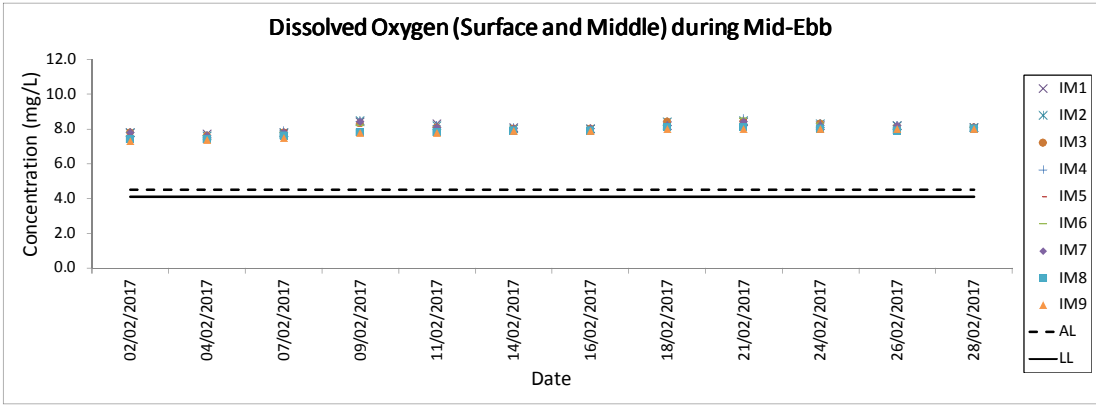
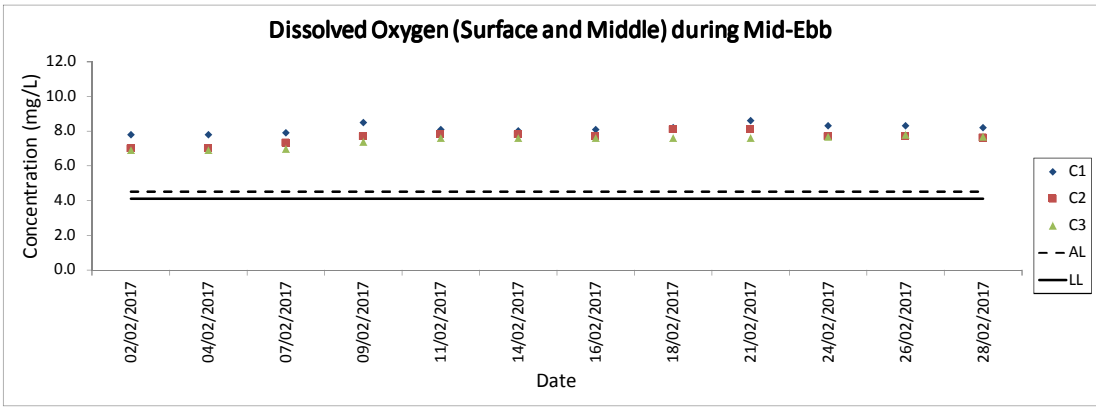
**Water Quality Monitoring Results on 28 February 17 during Mid-Ebb tide**

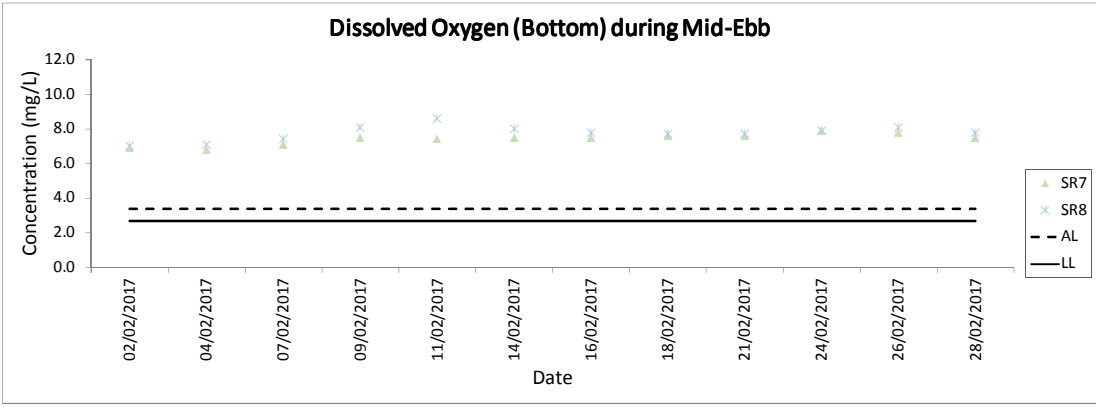
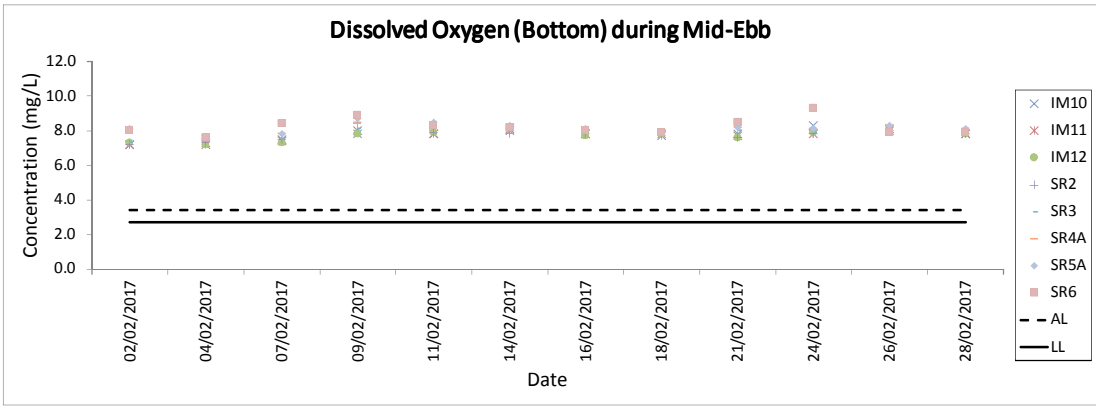
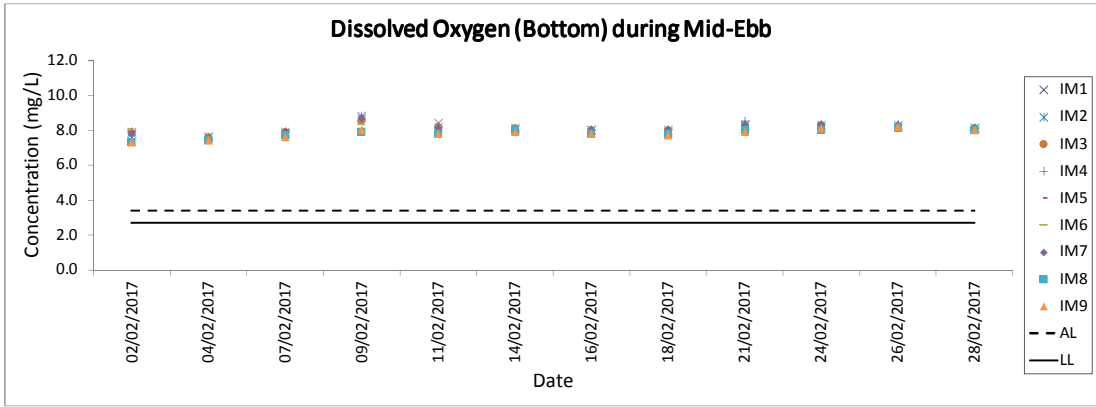
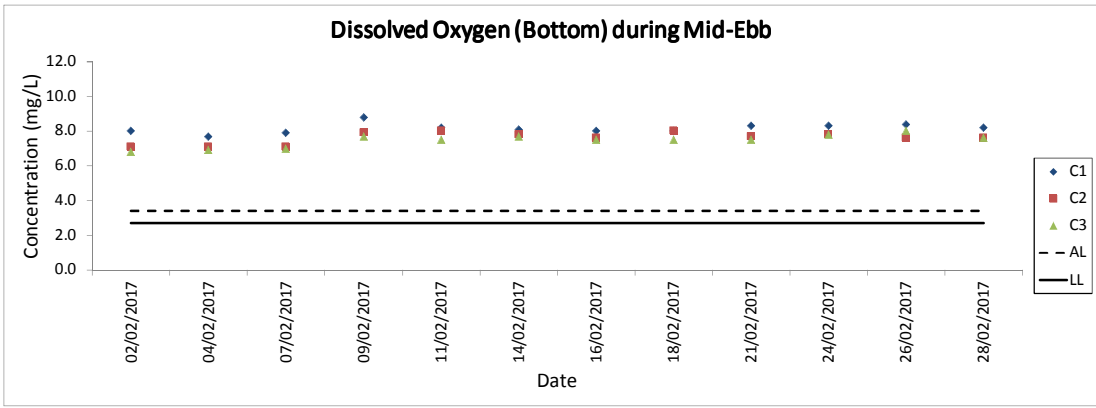
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	Fine	Moderate	13:45	8.8	Surface	1.0	0.3	213	14.7	14.7	7.9	7.9	35.1	35.1	100.6	100.6	8.2	8.2	6.8	8.2	9	9	88	91	815609	804260	<0.2	<0.2	0.4	0.4		
						1.0	0.3	218	14.7	7.9	7.9	35.1	35.1	100.5	100.6	8.2	8.2	6.8	8.2	9	9	88	91	815609	804260	<0.2	<0.2	0.4	0.4			
					Middle	4.4	0.4	218	14.3	14.3	7.9	7.9	35.2	35.2	99.3	99.3	8.2	8.2	8.6	8.6	8	8	90	9	89	91	815609	804260	<0.2	<0.2	0.4	0.3
						4.4	0.4	229	14.3	14.3	7.9	7.9	35.2	35.2	99.3	99.3	8.2	8.2	8.6	8.6	10	10	89	9	94	91	815609	804260	<0.2	<0.2	0.3	0.3
					Bottom	7.8	0.0	-	14.1	14.1	7.9	7.9	35.3	35.3	99.1	99.1	8.2	8.2	10.5	10.5	9	9	94	9	94	91	815609	804260	<0.2	<0.2	0.3	0.3
						7.8	0.0	-	14.1	14.1	7.9	7.9	35.3	35.3	99.1	99.1	8.2	8.2	10.5	10.5	9	9	94	9	94	91	815609	804260	<0.2	<0.2	0.3	0.3
C2	Cloudy	Moderate	12:46	14.2	Surface	1.0	0.3	118	17.6	17.6	7.9	7.9	28.7	28.7	95.1	95.1	7.6	7.6	12.8	7.6	10	10	85	90	825691	806926	<0.2	<0.2	1.3	1.2		
						1.0	0.3	119	17.6	17.6	7.9	7.9	28.7	28.7	95.1	95.1	7.6	7.6	12.8	7.6	10	10	85	90	825691	806926	<0.2	<0.2	1.4	1.1		
					Middle	7.1	0.2	128	17.5	17.5	8.0	8.0	29.0	29.0	95.1	95.1	7.6	7.6	18.5	17.5	24	24	92	20	92	90	825691	806926	<0.2	<0.2	1.1	1.1
						7.1	0.2	139	17.5	17.5	8.0	8.0	29.0	29.0	95.1	95.1	7.6	7.6	18.5	17.5	26	26	92	20	92	90	825691	806926	<0.2	<0.2	1.1	1.1
					Bottom	13.2	0.2	200	17.2	17.2	8.0	8.0	29.5	29.5	94.7	94.7	7.6	7.6	21.1	21.1	24	24	93	20	93	90	825691	806926	<0.2	<0.2	1.2	1.2
						13.2	0.2	218	17.2	17.2	8.0	8.0	29.5	29.5	94.7	94.7	7.6	7.6	21.1	21.1	24	24	94	20	94	90	825691	806926	<0.2	<0.2	1.2	1.3
C3	Sunny	Moderate	14:27	12.3	Surface	1.0	0.4	61	17.5	17.5	8.0	8.0	30.3	30.3	96.1	96.1	7.7	7.7	6.6	7.7	10	9	90	93	822110	817815	<0.2	0	1.0	0.8		
						1.0	0.5	65	17.5	17.5	8.0	8.0	30.3	30.3	96.1	96.1	7.7	7.7	6.6	7.7	9	9	90	9	90	93	822110	817815	0.2	0	0.8	0.8
					Middle	6.2	0.3	90	17.4	17.4	8.0	8.0	30.4	30.4	95.1	95.1	7.6	7.6	10.9	11.0	8	8	93	9	93	93	822110	817815	<0.2	0	0.7	0.7
						6.2	0.4	91	17.4	17.4	8.0	8.0	30.4	30.4	95.1	95.1	7.6	7.6	10.9	11.0	8	8	92	9	92	93	822110	817815	<0.2	0	0.7	0.7
					Bottom	11.3	0.4	114	17.4	17.4	8.0	8.0	30.5	30.5	94.8	94.8	7.6	7.6	15.6	11.0	8	8	95	9	95	93	822110	817815	<0.2	0	0.7	0.7
						11.3	0.4	122	17.4	17.4	8.0	8.0	30.5	30.5	94.8	94.8	7.6	7.6	15.6	11.0	8	8	95	9	95	93	822110	817815	<0.2	0	0.7	0.7
IM1	Cloudy	Moderate	13:24	7.6	Surface	1.0	0.4	186	15.5	15.5	8.0	8.0	34.2	34.2	100.0	100.0	8.1	8.1	7.7	8.1	14	13	89	91	818357	806444	<0.2	<0.2	0.7	0.5		
						1.0	0.4	200	15.5	15.5	8.0	8.0	34.2	34.2	99.9	100.0	8.1	8.1	7.7	8.1	13	13	90	13	90	91	818357	806444	<0.2	<0.2	0.5	0.4
					Middle	3.8	0.4	174	14.8	14.8	7.9	7.9	34.5	34.5	98.7	98.7	8.1	8.1	8.4	8.2	12	12	91	13	91	91	818357	806444	<0.2	<0.2	0.4	0.4
						3.8	0.4	180	14.8	14.8	7.9	7.9	34.5	34.5	98.7	98.7	8.1	8.1	8.3	8.2	13	13	90	13	90	91	818357	806444	<0.2	<0.2	0.4	0.4
					Bottom	6.6	0.4	168	14.6	14.6	7.9	7.9	34.6	34.6	98.5	98.6	8.1	8.1	8.7	8.1	13	13	93	13	93	91	818357	806444	<0.2	<0.2	0.6	0.6
						6.6	0.4	183	14.6	14.6	7.9	7.9	34.6	34.6	98.6	98.6	8.1	8.1	8.6	8.1	12	12	94	13	94	91	818357	806444	<0.2	<0.2	0.6	0.6
IM2	Cloudy	Moderate	13:17	8.7	Surface	1.0	0.3	157	15.3	15.3	7.9	7.9	34.3	34.3	99.6	99.6	8.1	8.1	8.5	8.1	9	10	87	91	818865	806200	<0.2	<0.2	0.6	0.5		
						1.0	0.3	171	15.3	15.3	7.9	7.9	34.3	34.3	99.6	99.6	8.1	8.1	8.6	8.1	10	10	88	13	88	90	818865	806200	<0.2	<0.2	0.5	0.5
					Middle	4.4	0.3	152	14.6	14.6	7.9	7.9	34.5	34.5	98.0	98.0	8.1	8.1	11.9	12.0	15	15	91	13	91	90	818865	806200	<0.2	<0.2	0.5	0.6
						4.4	0.3	162	14.6	14.6	7.9	7.9	34.5	34.5	98.0	98.0	8.1	8.1	12.0	12.0	14	14	90	13	90	90	818865	806200	<0.2	<0.2	0.6	0.6
					Bottom	7.7	0.3	181	14.5	14.5	7.9	7.9	34.6	34.6	97.9	97.9	8.1	8.1	15.8	12.0	14	14	92	13	92	90	818865	806200	<0.2	<0.2	0.4	0.4
						7.7	0.3	191	14.5	14.5	7.9	7.9	34.6	34.6	97.9	97.9	8.1	8.1	14.9	12.0	14	14	92	13	92	90	818865	806200	<0.2	<0.2	0.5	0.5
IM3	Cloudy	Moderate	13:10	8.8	Surface	1.0	0.4	126	14.8	14.8	7.9	7.9	34.4	34.4	98.7	98.7	8.1	8.1	10.5	8.1	14	16	87	90	819397	806031	<0.2	<0.2	0.4	0.4		
						1.0	0.5	131	14.8	14.8	7.9	7.9	34.4	34.4	98.6	98.7	8.1	8.1	10.5	8.1	12	16	86	16	86	90	819397	806031	<0.2	<0.2	0.4	0.4
					Middle	4.4	0.4	144	14.5	14.5	7.9	7.9	34.5	34.5	97.6	97.7	8.0	8.0	13.9	12.8	15	15	90	16	90	90	819397	806031	<0.2	<0.2	0.5	0.5
						4.4	0.4	148	14.5	14.5	7.9	7.9	34.5	34.5	97.7	97.7	8.1	8.1	14.1	12.8	15	16	89	16	89	90	819397	806031	<0.2	<0.2	0.5	0.5
					Bottom	7.8	0.4	152	14.5	14.5	7.9	7.9	34.6	34.6	97.7	97.7	8.1	8.1	14.0	12.8	19	18	94	16	94	90	819397	806031	<0.2	<0.2	0.4	0.4
						7.8	0.4	164	14.5	14.5	7.9	7.9	34.6	34.6	97.7	97.7	8.1	8.1	14.0	12.8	18	18	93	16	93	90	819397	806031	<0.2	<0.2	0.4	0.4
IM4	Cloudy	Moderate	13:01	8.0	Surface	1.0	0.4	181	14.7	14.7	7.9	7.9	34.4	34.4	98.4	98.4	8.1	8.1	11.6	8.1	11	17	86	90	819582	805036	<0.2	<0.2	0.4	0.4		
						1.0	0.4	181	14.7	14.7	7.9	7.9	34.4	34.4	98.4	98.4	8.1	8.1	11.6	8.1	12	17	86	17	86	90	819582	805036	<0.2	<0.2	0.5	0.5
					Middle	4.0	0.4	194	14.6	14.6	7.9	7.9	34.5	34.5	98.0	98.0	8.1	8.1	13.9	14.8	16	16	91	17	91	90	819582	805036	<0.2	<0.2	0.4	0.4
						4.0	0.4	200	14.6	14.6	7.9	7.9	34.5	34.5	98.0	98.0	8.1	8.1	13.9	14.8	14	17	88	17	88	90	819582	805036	<0.2	<0.2	0.4	0.4
					Bottom	7.0	0.5	188	14.4	14.4	7.9	7.9	34.6	34.6	97.8	97.8	8.1	8.1	18.9	14.8	23	23	94	17	94	90	819582	805036	<0.2	<0.2	0.6	0.6
						7.0	0.5	195	14.4	14.4	7.9	7.9	34.6	34.6	97.8	97.8	8.1	8.1	18.9	14.8	23	23	93	17	93	90	819582	805036	<0.2	<0.2	0.6	0.6
IM5	Cloudy	Moderate	12:53	68.0	Surface	1.0	0.4	180	14.7	14.7	7.9	7.9	34.5	34.5	98.8	98.8	8.1	8.1	13.3	8.1	12	19	89	91	820569	804911	<0.2	<0.2	0.6	0.5		
						1.0	0.5	193	14.7	14.7	7.9	7.9																				

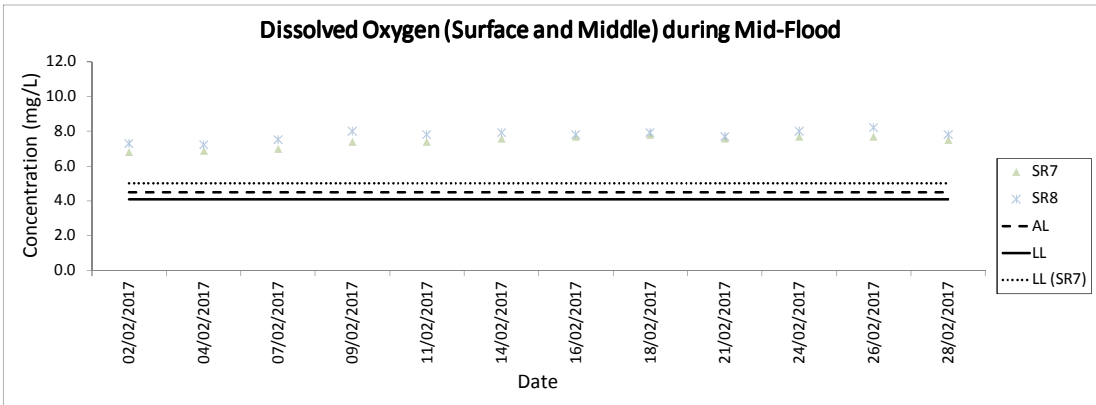
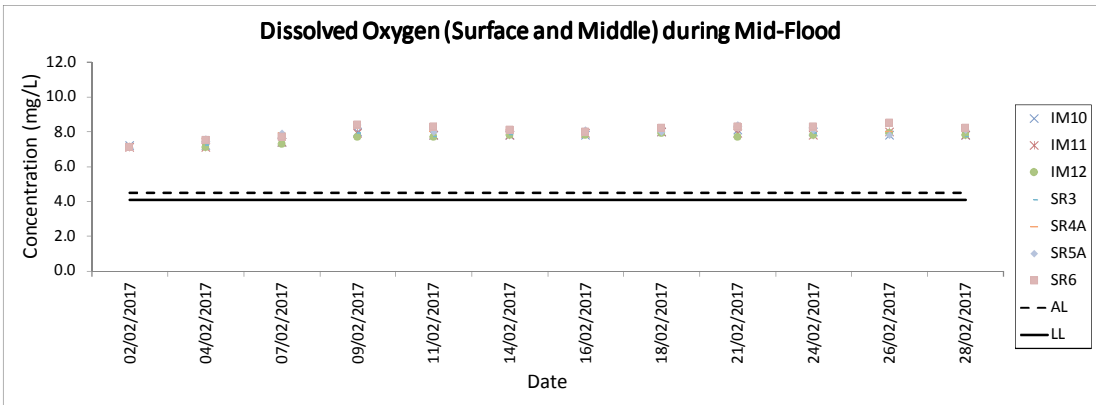
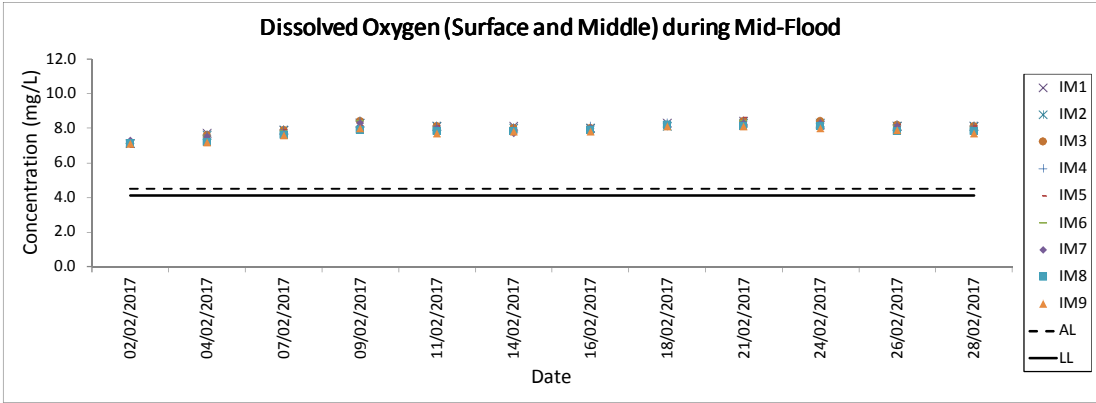
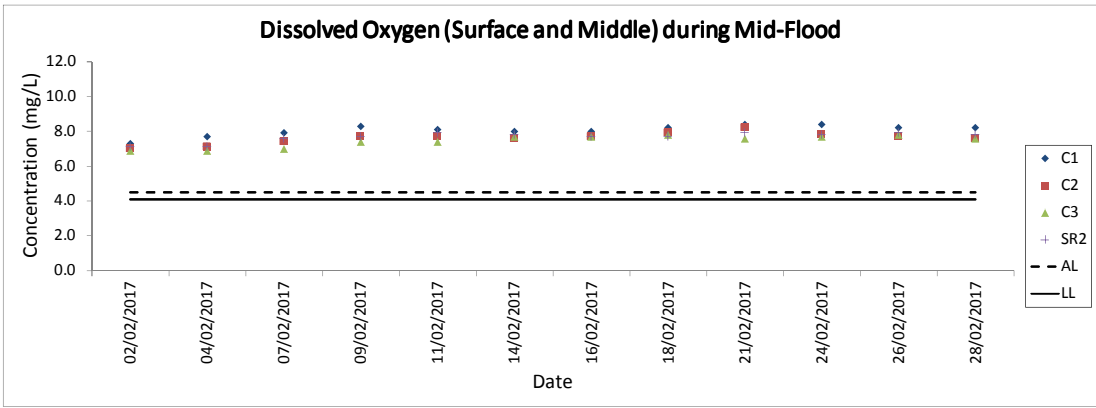
**Expansion of Hong Kong International Airport into a Three-Runway System**  
**Water Quality Monitoring**

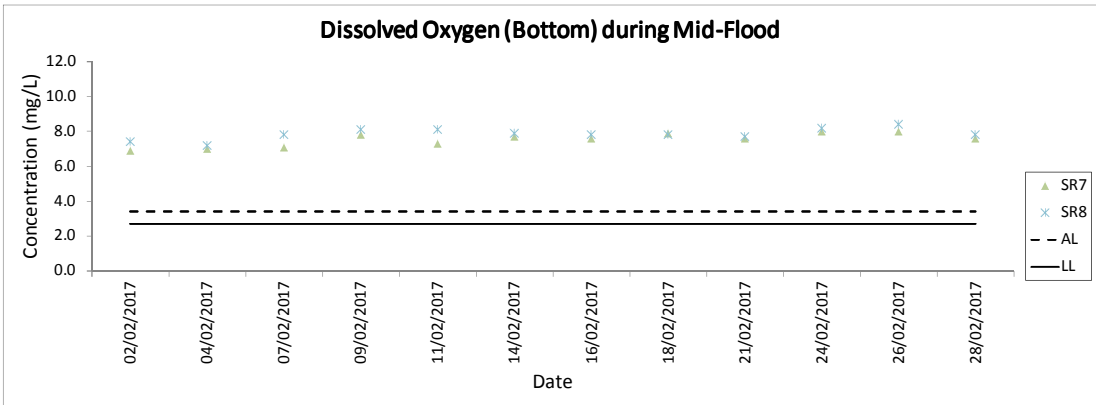
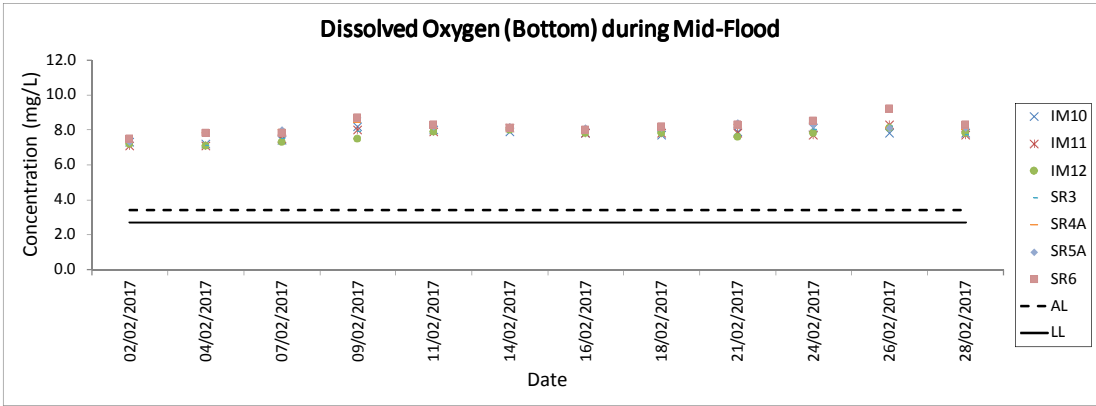
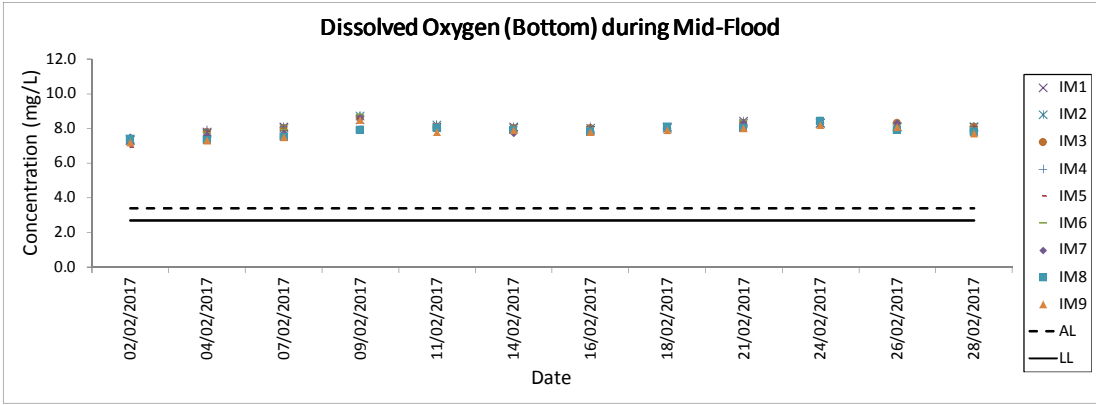
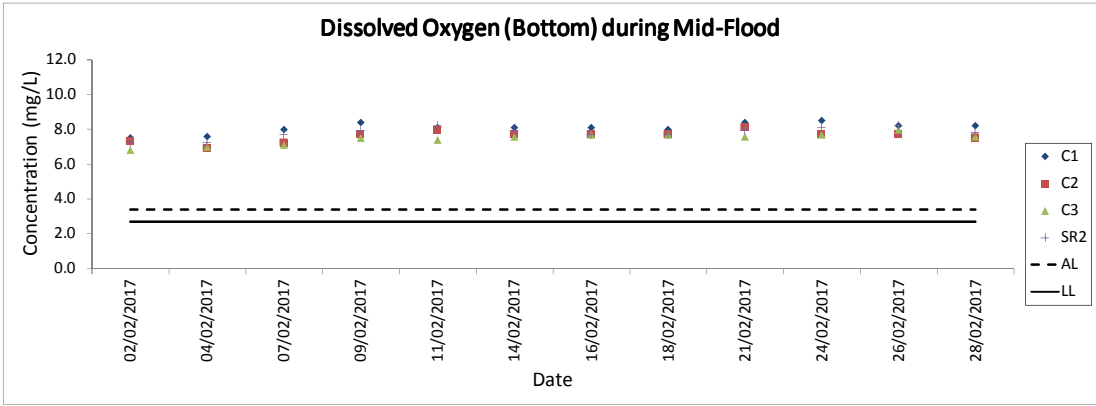
**Water Quality Monitoring Results on 28 February 17 during Mid-Ebb tide**

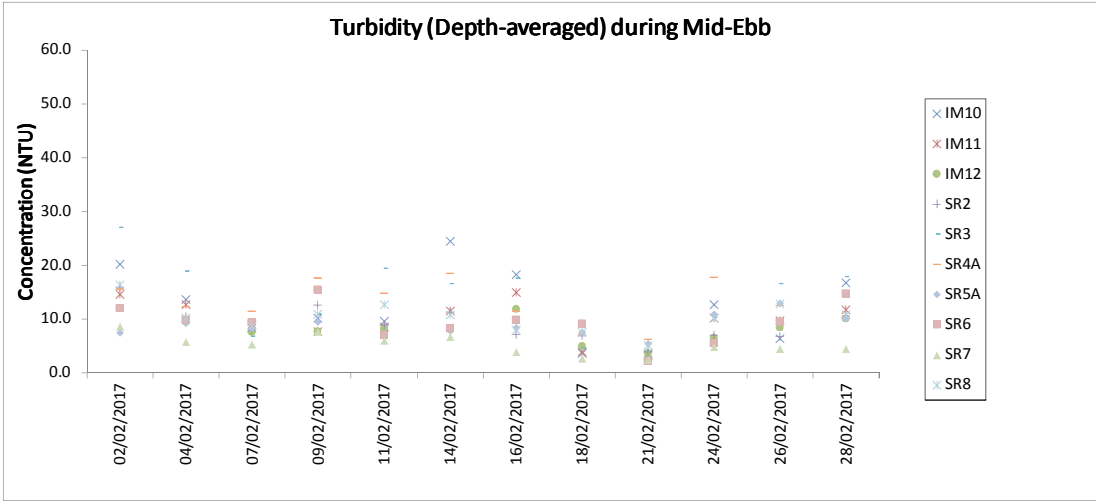
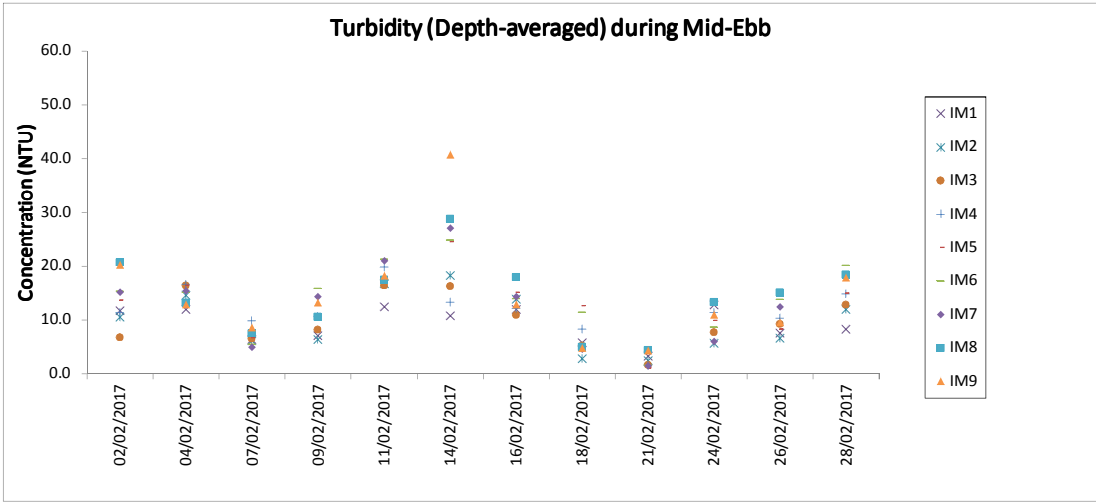
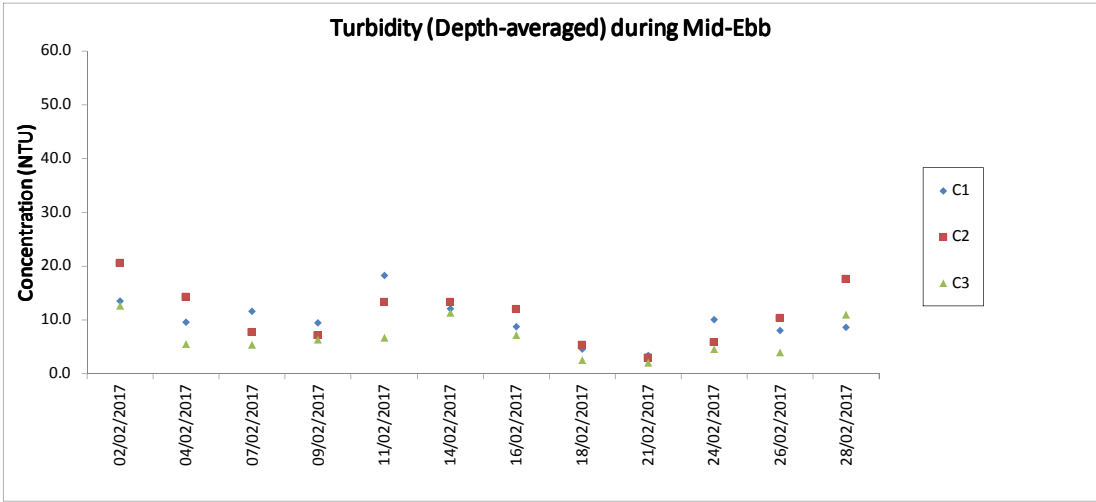
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	13:27	7.6	Surface	1.0	0.5	94	17.5	8.0	8.0	30.4	30.4	99.8	99.8	8.0	8.0	13.2	8.0	14	20	86	91	822092	808797	<0.2	<0.2	0.8	0.8				
						1.0	0.5	96	17.5	8.0	8.0	30.4	30.4	99.8	99.8	8.0	8.0	13.3	8.0	14	20	87	91	86	91	822092	808797	<0.2	<0.2	0.8	0.8		
					Middle	3.8	0.6	94	17.2	8.0	8.0	30.6	30.6	99.2	99.2	7.9	7.9	14.1	8.0	17.9	13	10	92	91	822092	808797	<0.2	<0.2	0.8	0.8			
						3.8	0.6	102	17.2	8.0	8.0	30.6	30.6	99.2	99.2	7.9	7.9	14.1	8.0	17.9	12	10	93	91	822092	808797	<0.2	<0.2	0.7	0.7			
					Bottom	6.6	0.5	95	17.2	8.0	8.0	30.6	30.6	99.3	99.3	8.0	8.0	26.4	8.0	8.0	26.4	33	10	94	91	822092	808797	<0.2	<0.2	0.9	0.9		
						6.6	0.6	96	17.2	8.0	8.0	30.6	30.6	99.3	99.3	8.0	8.0	26.4	8.0	8.0	26.4	35	10	93	91	822092	808797	<0.2	<0.2	0.7	0.7		
IM10	Cloudy	Moderate	13:34	7.7	Surface	1.0	0.5	114	17.6	8.0	8.0	29.8	29.8	98.7	98.7	7.9	7.9	10.1	7.9	9	10	86	91	822252	809823	<0.2	<0.2	1.2	1.2				
						1.0	0.6	116	17.6	8.0	8.0	29.8	29.8	98.7	98.7	7.9	7.9	10.2	7.9	10	10	87	91	822252	809823	<0.2	<0.2	1.4	1.4				
					Middle	3.9	0.5	104	17.2	8.0	8.0	30.1	30.1	97.8	97.8	7.9	7.9	15.9	7.9	16.7	11	10	93	91	822252	809823	<0.2	0	1.2	1.2			
						3.9	0.6	112	17.2	8.0	8.0	30.1	30.1	97.8	97.8	7.9	7.9	15.6	7.9	16.7	11	10	92	91	822252	809823	0.2	0	1.0	1.0			
					Bottom	6.7	0.5	97	17.2	8.0	8.0	30.2	30.2	97.6	97.6	7.8	7.8	24.3	7.8	7.8	24.3	9	10	94	91	822252	809823	0.2	0	1.3	1.3		
						6.7	0.5	101	17.2	8.0	8.0	30.2	30.2	97.6	97.6	7.8	7.8	24.3	7.8	7.8	24.3	9	10	94	91	822252	809823	<0.2	<0.2	1.3	1.3		
IM11	Cloudy	Moderate	13:41	8.7	Surface	1.0	0.5	111	17.6	8.0	8.0	29.9	29.9	98.6	98.6	7.9	7.9	8.4	7.9	8	11	87	91	821515	810541	<0.2	<0.2	1.2	1.2				
						1.0	0.5	114	17.6	8.0	8.0	29.9	29.9	98.6	98.6	7.9	7.9	8.4	7.9	9	11	88	91	821515	810541	0.3	<0.2	1.3	1.3				
					Middle	4.4	0.5	105	17.2	8.0	8.0	30.0	30.0	97.3	97.3	7.8	7.8	11.9	7.8	11.7	10	11	92	91	821515	810541	<0.2	<0.2	0.9	0.9			
						4.4	0.5	107	17.2	8.0	8.0	30.0	30.0	97.3	97.3	7.8	7.8	11.9	7.8	11.7	10	11	93	91	821515	810541	<0.2	<0.2	0.9	0.9			
					Bottom	7.7	0.4	97	17.2	8.0	8.0	30.1	30.1	97.6	97.6	7.8	7.8	14.9	7.8	7.8	14.9	13	11	94	91	821515	810541	<0.2	<0.2	1.1	1.1		
						7.7	0.4	105	17.2	8.0	8.0	30.1	30.1	97.6	97.6	7.8	7.8	14.9	7.8	7.8	14.9	12	11	94	91	821515	810541	<0.2	<0.2	0.9	0.9		
IM12	Cloudy	Moderate	13:49	9.2	Surface	1.0	0.6	98	17.4	8.0	8.0	30.0	30.0	97.9	97.9	7.8	7.8	8.9	7.8	8	10	88	91	821158	811533	<0.2	<0.2	1.1	1.1				
						1.0	0.6	102	17.4	8.0	8.0	30.0	30.0	97.9	97.9	7.8	7.8	9.0	7.8	10.0	7.8	10	10	87	91	821158	811533	<0.2	<0.2	1.0	1.0		
					Middle	4.6	0.5	114	17.3	8.0	8.0	30.0	30.0	97.4	97.4	7.8	7.8	10.0	7.8	10.0	7.8	10	10	92	91	821158	811533	<0.2	<0.2	0.9	0.9		
						4.6	0.5	119	17.3	8.0	8.0	30.0	30.0	97.4	97.4	7.8	7.8	10.0	7.8	10.0	7.8	10	10	92	91	821158	811533	<0.2	<0.2	1.1	1.1		
					Bottom	8.2	0.4	109	17.2	8.0	8.0	30.2	30.2	97.2	97.2	7.8	7.8	11.1	7.8	7.8	11.1	10	10	93	91	821158	811533	<0.2	<0.2	0.9	0.9		
						8.2	0.5	117	17.2	8.0	8.0	30.2	30.2	97.2	97.2	7.8	7.8	11.1	7.8	7.8	11.1	10	10	94	91	821158	811533	<0.2	<0.2	1.0	1.0		
SR2	Sunny	Moderate	14:08	4.9	Surface	1.0	0.4	87	17.5	8.0	8.0	30.2	30.2	97.7	97.7	7.8	7.8	10.2	7.8	9	11	90	92	821480	814152	<0.2	<0.2	0.9	0.9				
						1.0	0.4	92	17.5	8.0	8.0	30.2	30.2	97.7	97.7	7.8	7.8	9.9	7.8	8	11	89	92	821480	814152	<0.2	<0.2	1.0	1.0				
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821480	814152	-	<0.2	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821480	814152	-	<0.2	-	-
					Bottom	3.9	0.3	94	17.4	8.0	8.0	30.2	30.2	97.9	97.9	7.8	7.8	10.9	7.8	7.8	10.9	14	11	95	92	821480	814152	<0.2	<0.2	1.0	1.0		
						3.9	0.4	96	17.4	8.0	8.0	30.2	30.2	97.9	97.9	7.8	7.8	10.9	7.8	7.8	10.9	13	11	95	92	821480	814152	<0.2	<0.2	1.1	1.1		
SR3	Cloudy	Moderate	13:06	9.2	Surface	1.0	0.5	130	17.6	8.0	8.0	29.5	29.5	99.0	99.0	7.9	7.9	14.2	7.9	14	18	-	-	822165	807565	-	-	-	-				
						1.0	0.5	131	17.6	8.0	8.0	29.5	29.5	99.0	99.0	7.9	7.9	14.2	7.9	14	18	-	-	-	-	822165	807565	-	-	-	-		
					Middle	4.6	0.5	105	17.4	8.0	8.0	30.3	30.3	99.4	99.4	7.9	7.9	17.2	7.9	17.8	17	18	-	-	-	-	822165	807565	-	-	-	-	
						4.6	0.5	112	17.4	8.0	8.0	30.3	30.3	99.4	99.4	7.9	7.9	17.4	7.9	17.8	15	18	-	-	-	-	822165	807565	-	-	-	-	
					Bottom	8.2	0.4	111	17.2	8.0	8.0	30.5	30.5	99.1	99.1	7.9	7.9	21.8	7.9	7.9	21.8	22	18	-	-	-	-	822165	807565	-	-	-	-
						8.2	0.5	116	17.2	8.0	8.0	30.5	30.5	99.1	99.1	7.9	7.9	21.8	7.9	7.9	21.8	24	18	-	-	-	-	822165	807565	-	-	-	-
SR4A	Fine	Calm	14:11	8.7	Surface	1.0	0.4	100	14.8	7.9	7.9	34.6	34.6	99.1	99.1	8.1	8.1	9.3	8.1	11	14	-	-	817173	807798	-	-	-	-				
						1.0	0.5	109	14.8	7.9	7.9	34.6	34.6	99.1	99.1	8.1	8.1	9.3	8.1	10.2	12	14	-	-	-	-	817173	807798	-	-	-	-	
					Middle	4.4	0.5	96	14.7	7.9	7.9	34.7	34.7	98.6	98.6	8.1	8.1	10.1	8.1	10.2	13	14	-	-	-	-	817173	807798	-	-	-	-	
						4.4	0.5	98	14.7	7.9	7.9	34.7	34.7	98.6	98.6	8.1	8.1	10.1	8.1	10.2	13	14	-	-	-	-	817173	807798	-	-	-	-	
					Bottom	7.7	0.5	90	14.6	7.9	7.9	34.7	34.7	98.5	98.5	8.1	8.1	11.2	8.1	8.1	11.3	14	14	-	-	-	-	817173	807798	-	-	-	-
						7.7	0.5	94	14.6	7.9	7.9	34.7	34.7	98.5	98.5	8.1	8.1	11.3	8.1	8.1	11.3	14	14	-	-	-	-	817173	807798	-	-	-	-
SR5A	Fine	Calm	14:27	4.1	Surface	1.0	0.2	219	15.1	7.9	7.9	33.5	33.5	98.1	98.1	8.0	8.0	8.6	8.0	10	13	-	-	816593	810715	-	-	-	-				
						1.0	0.2	225	15.1	7.9	7.9	33.5	33.5	98.1	98.1	8.0	8.0	8.6	8.0	10	13	-	-	-	-	816593	810715	-	-	-	-		
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816593	810715	-	-	-	-	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816593	810715	-	-	-	-	
					Bottom	3.1	0.2	146	14.6																								





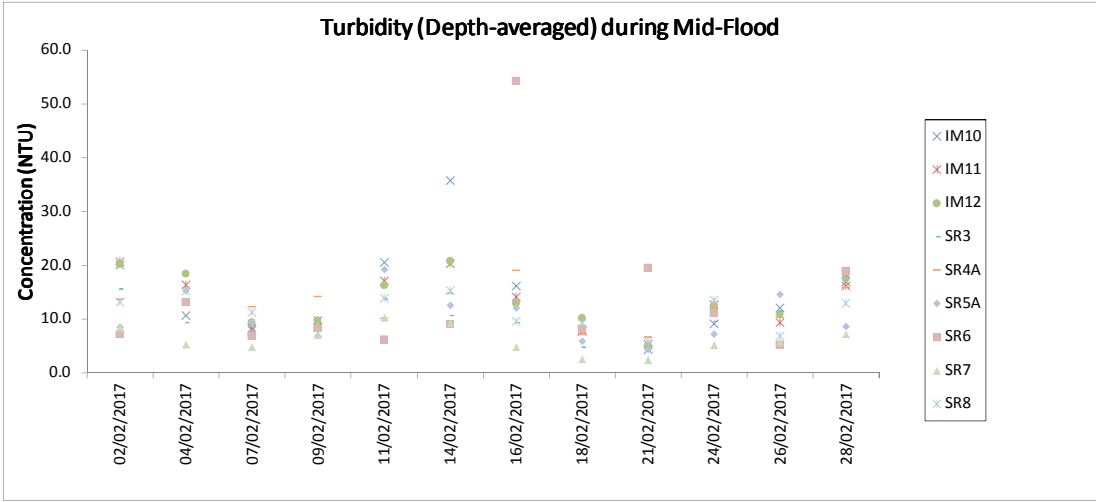
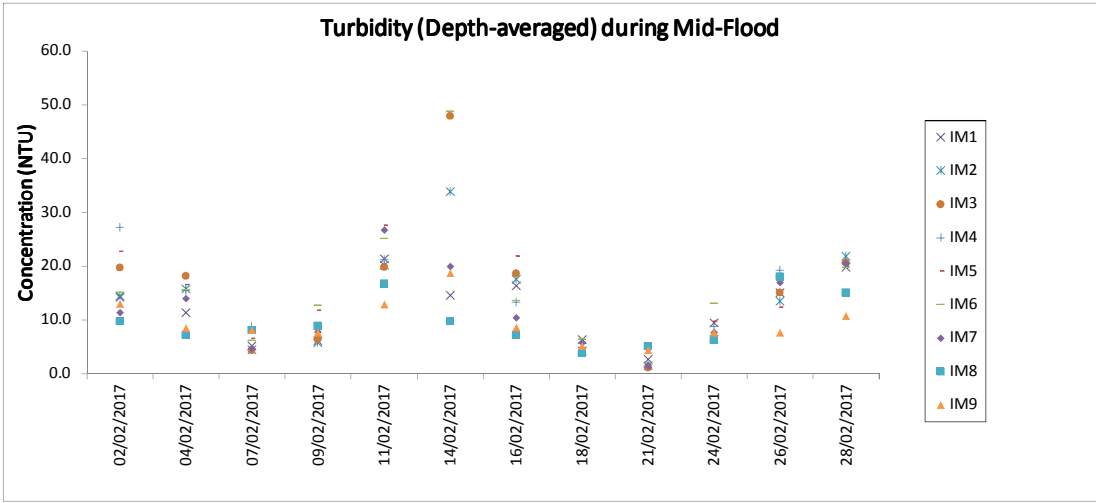
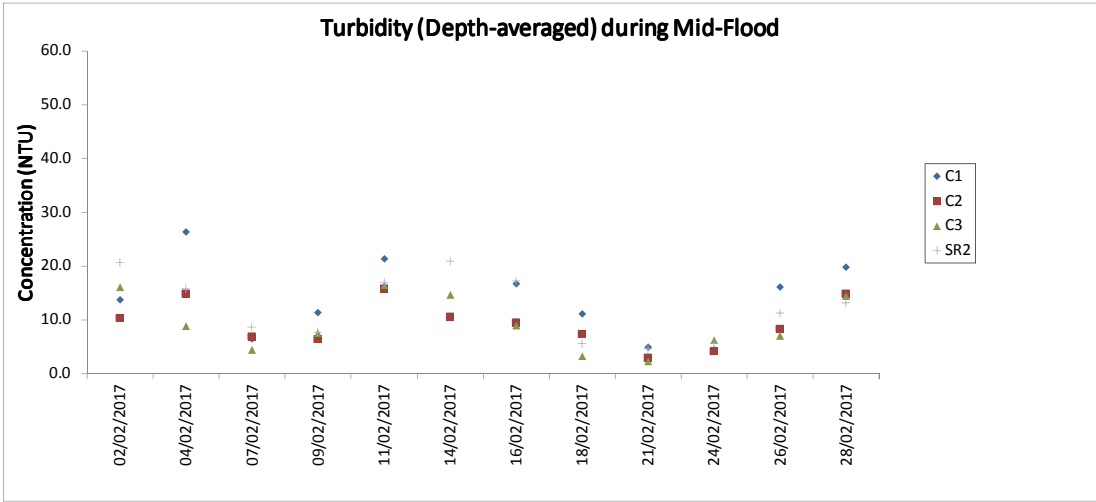




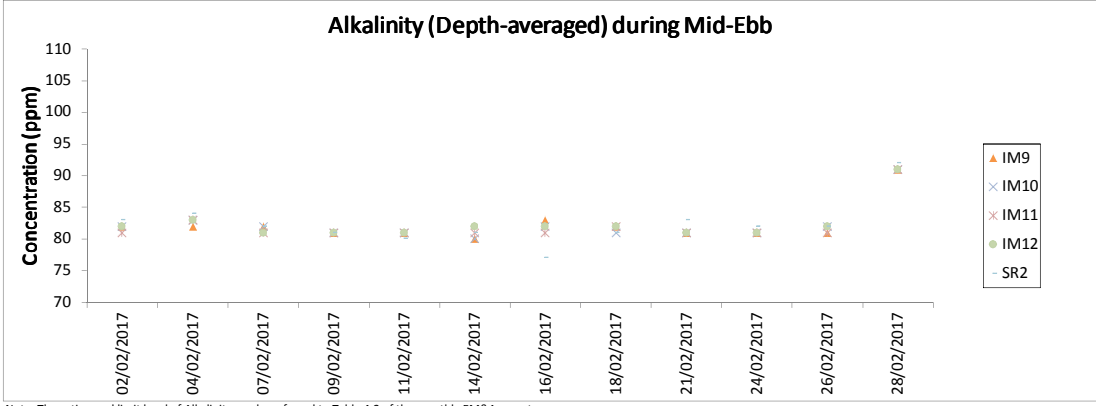
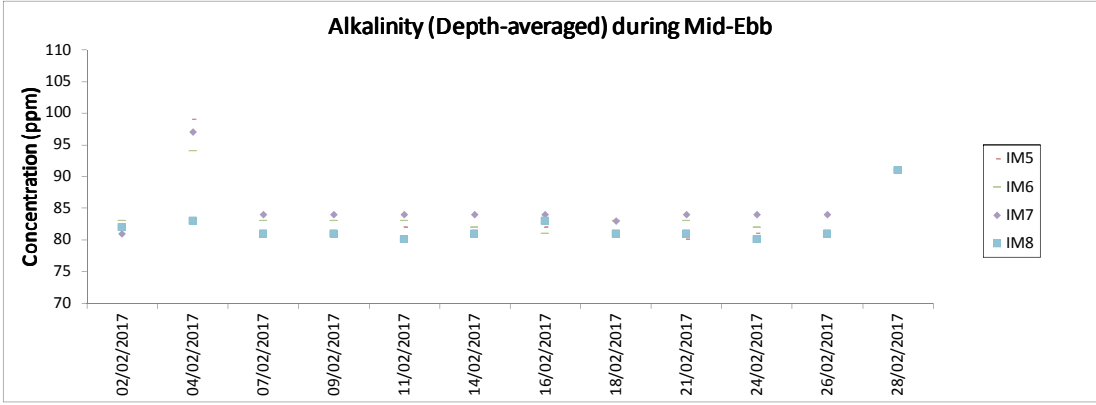
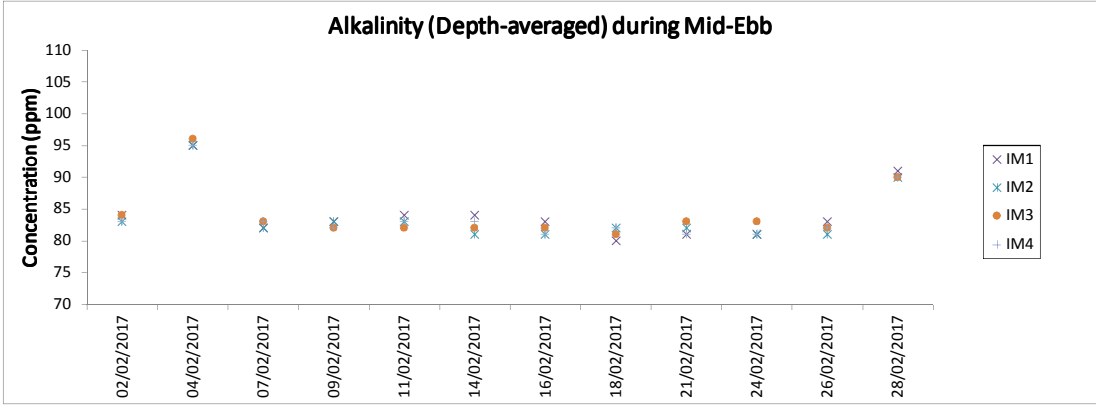
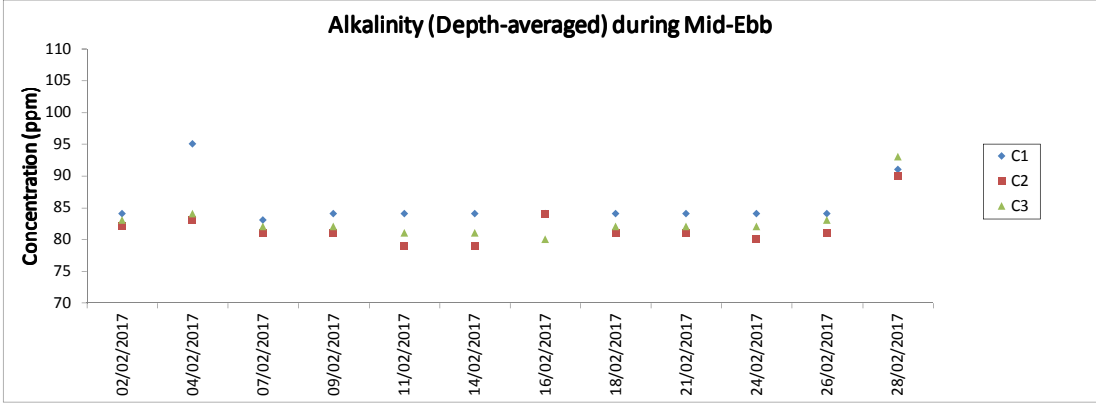


Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.

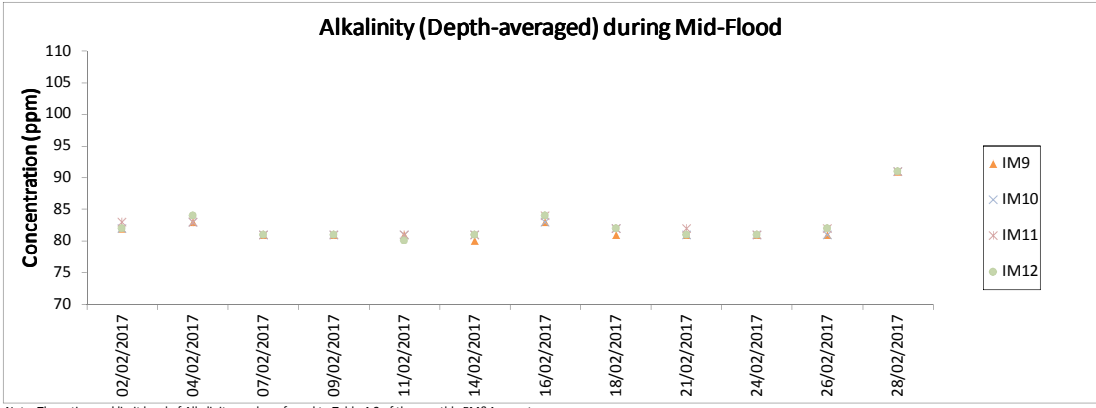
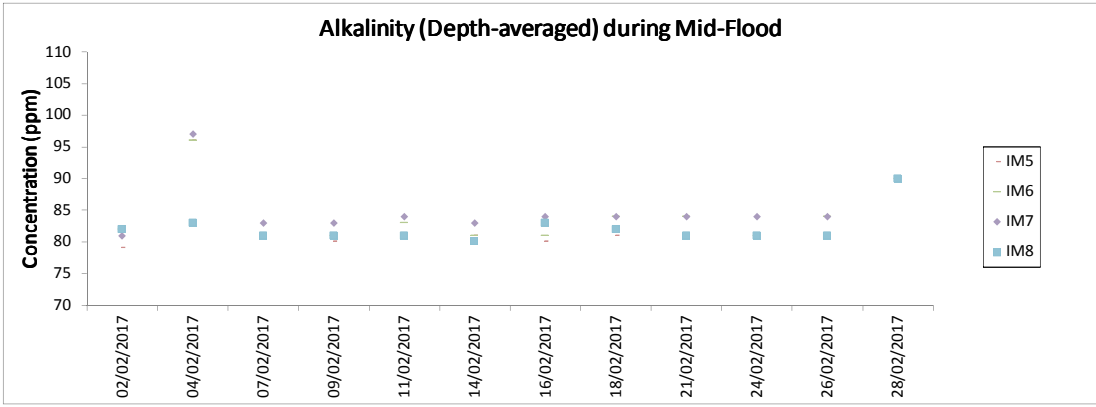
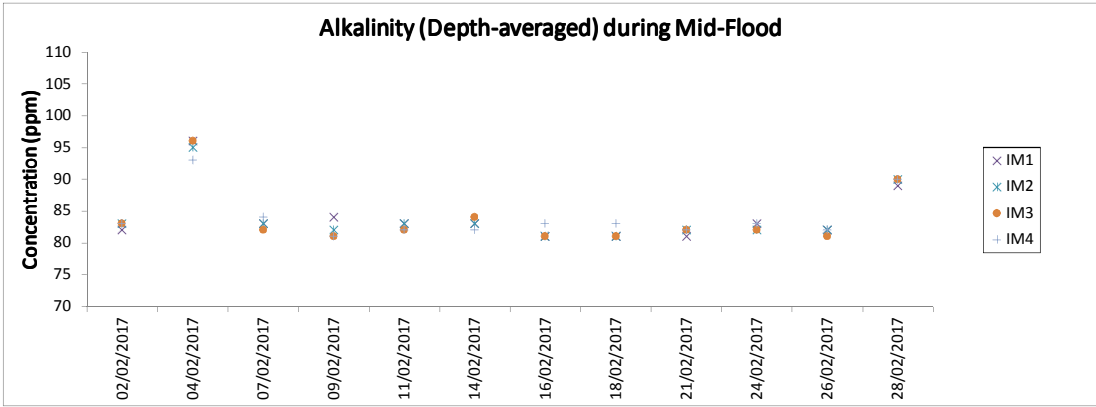
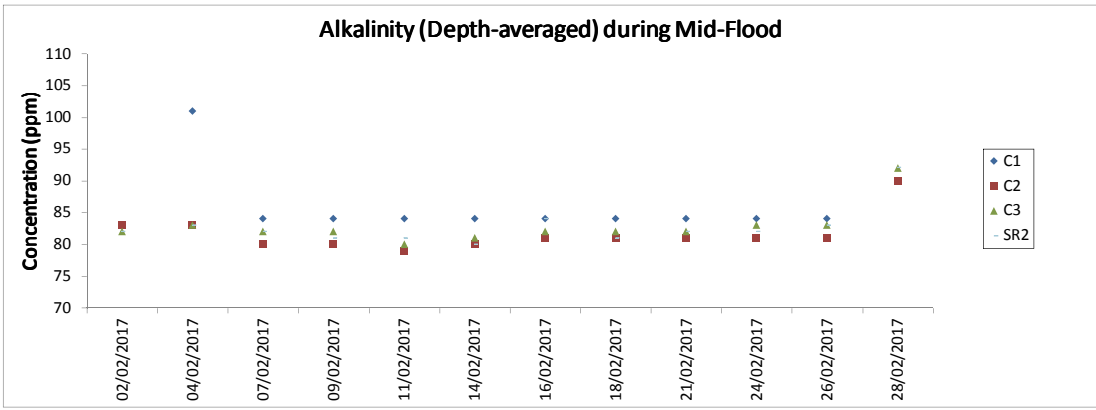




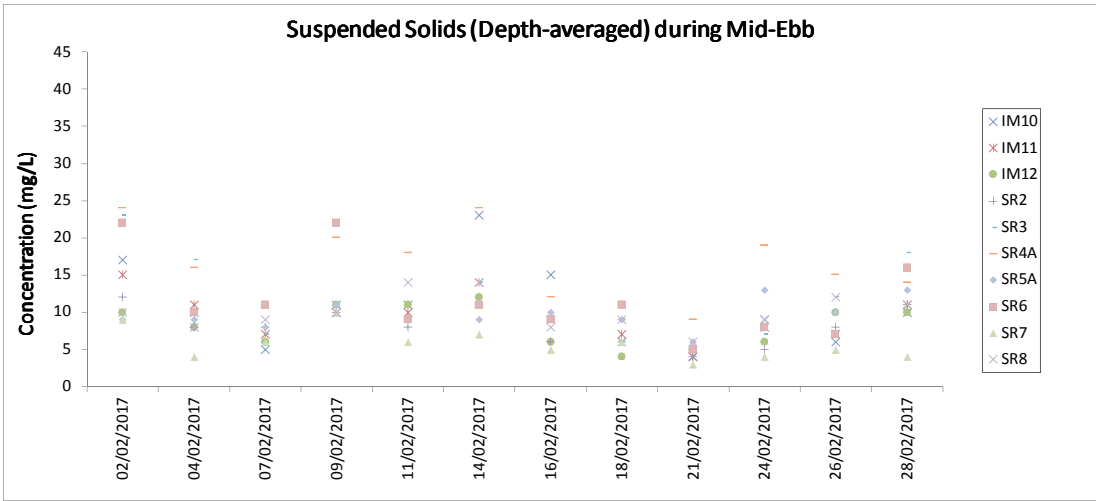
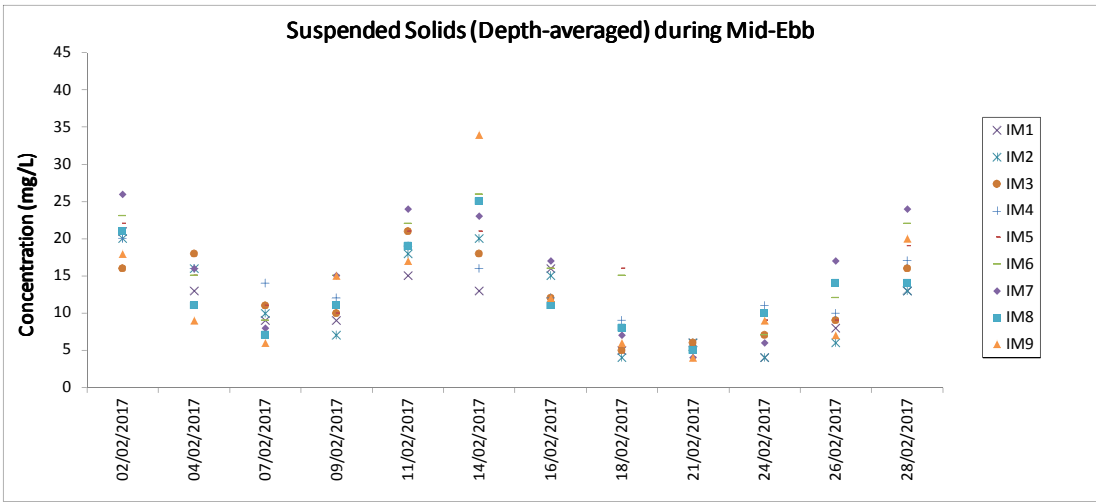
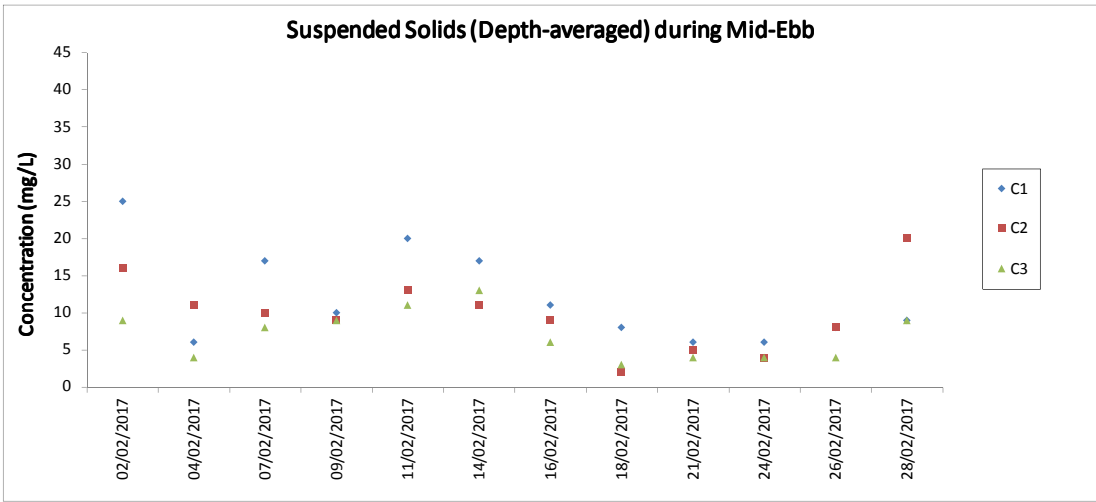
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



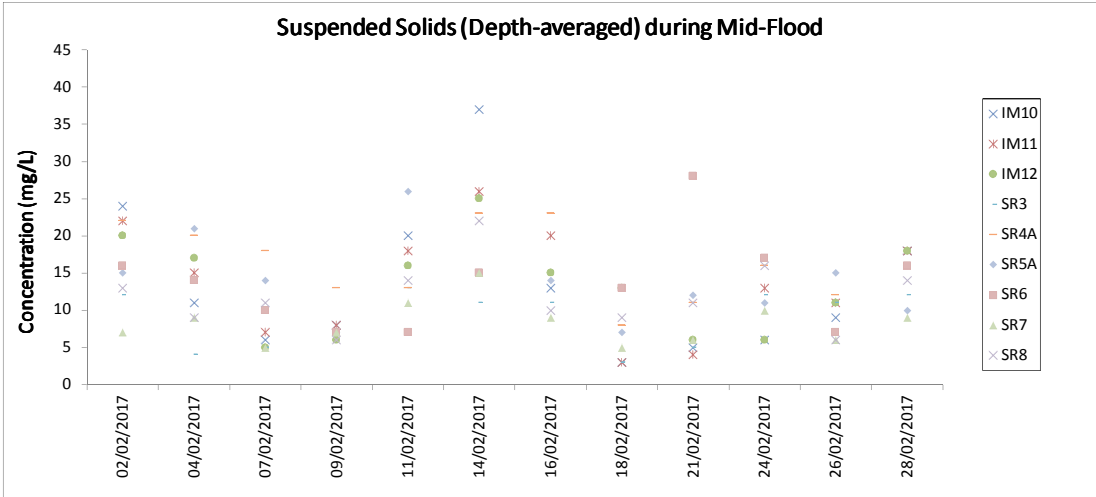
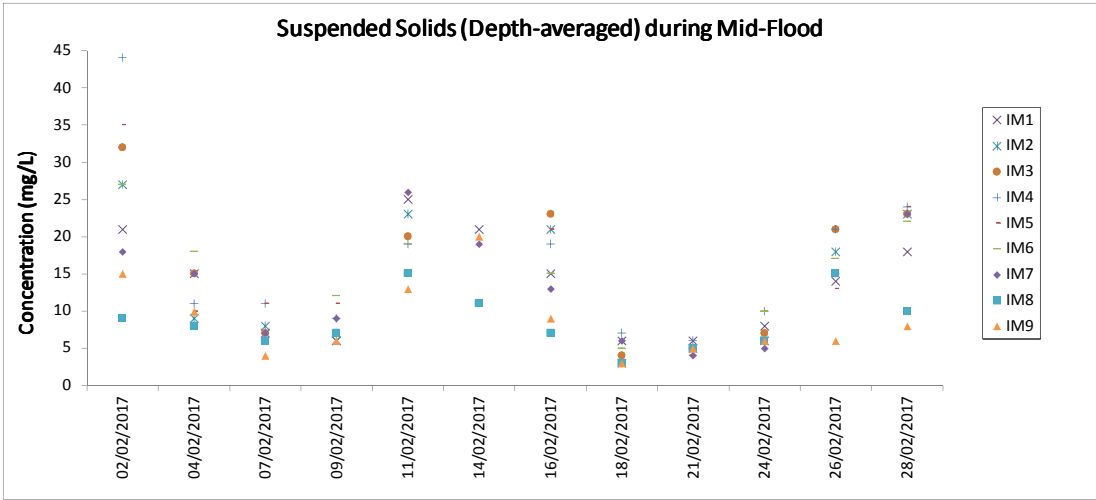
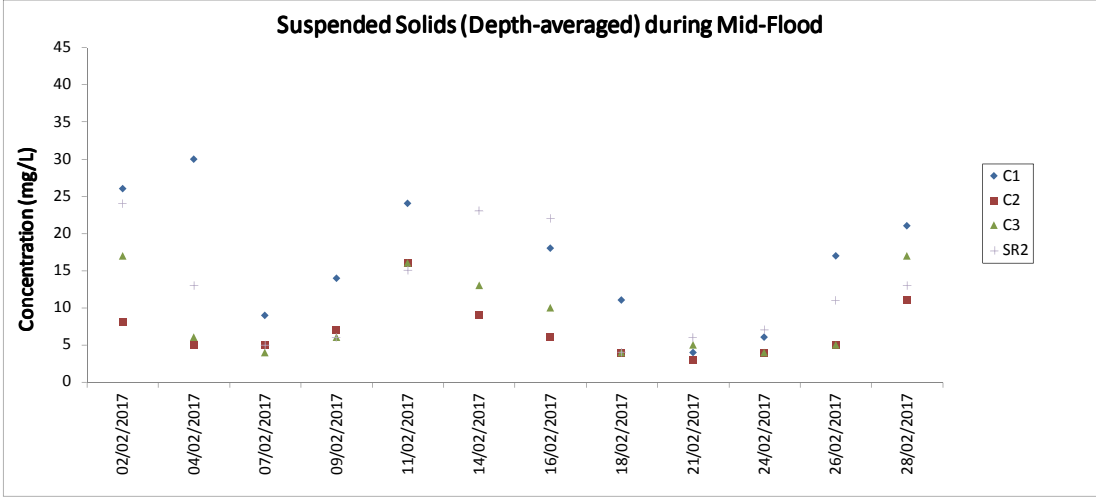
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



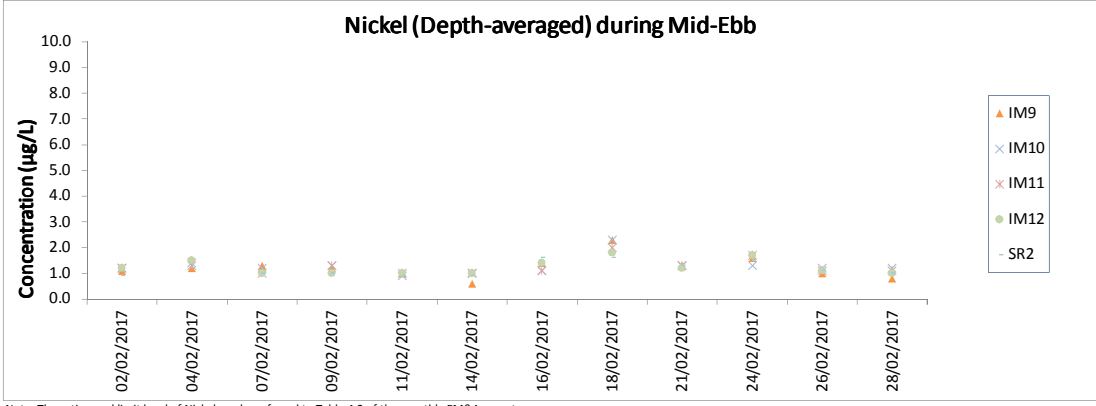
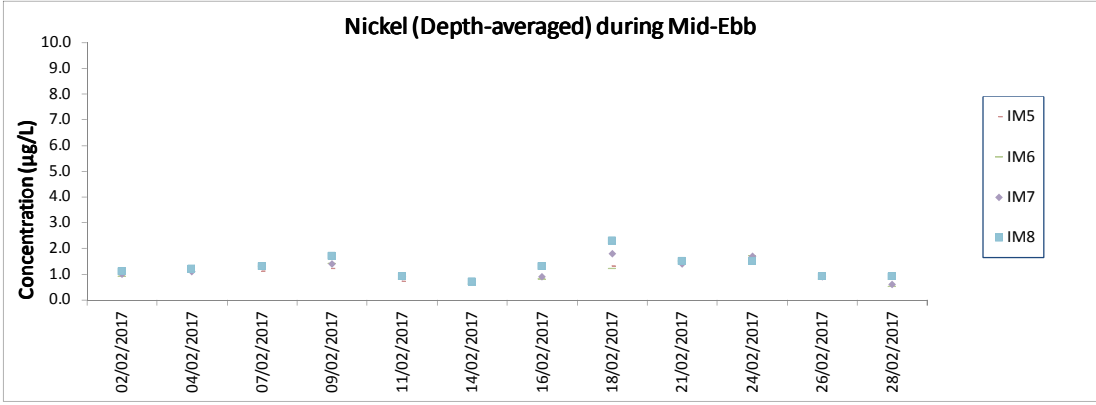
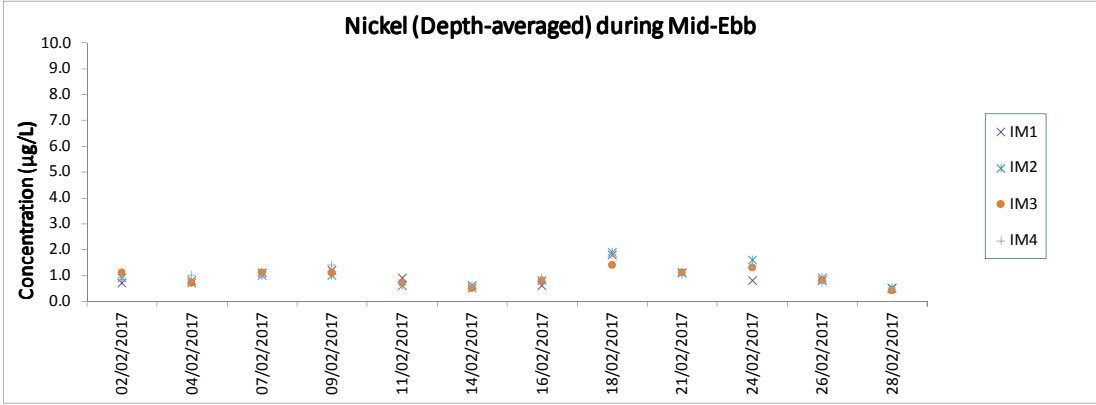
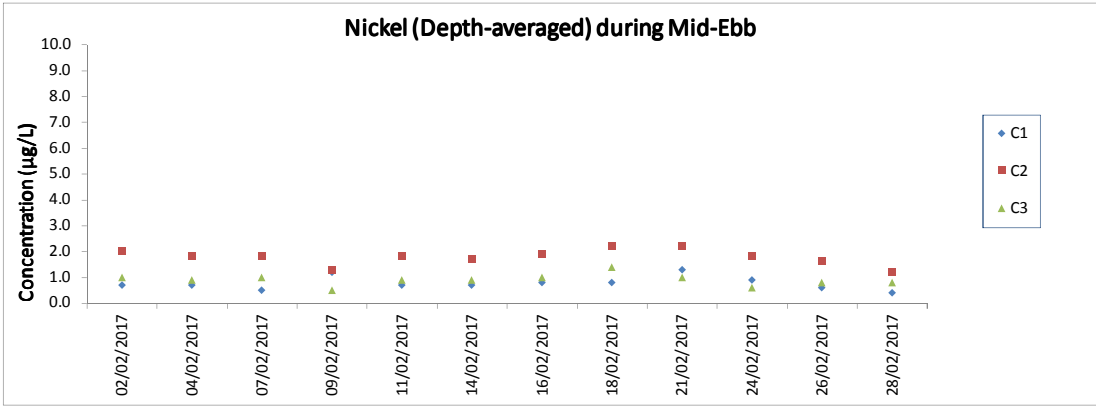
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



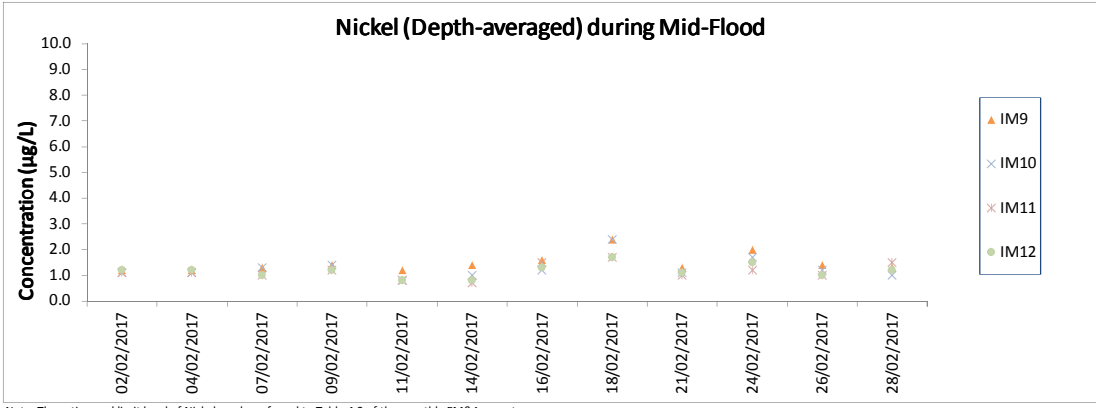
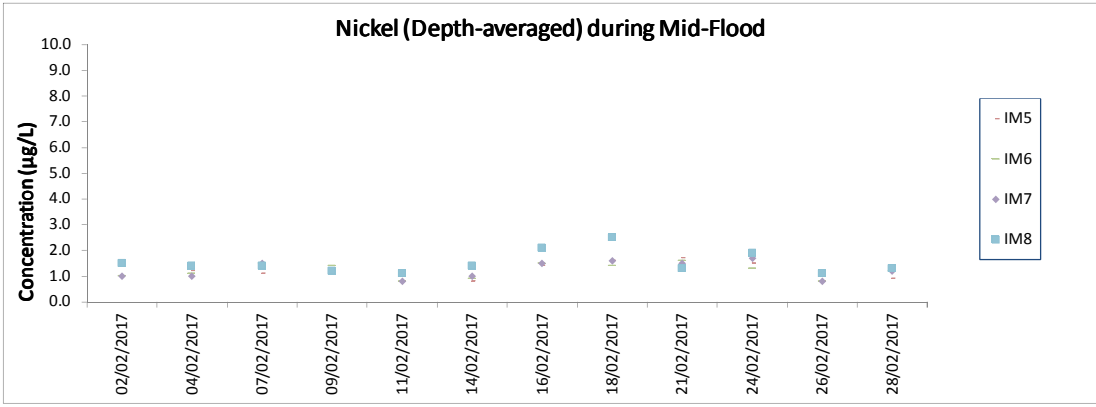
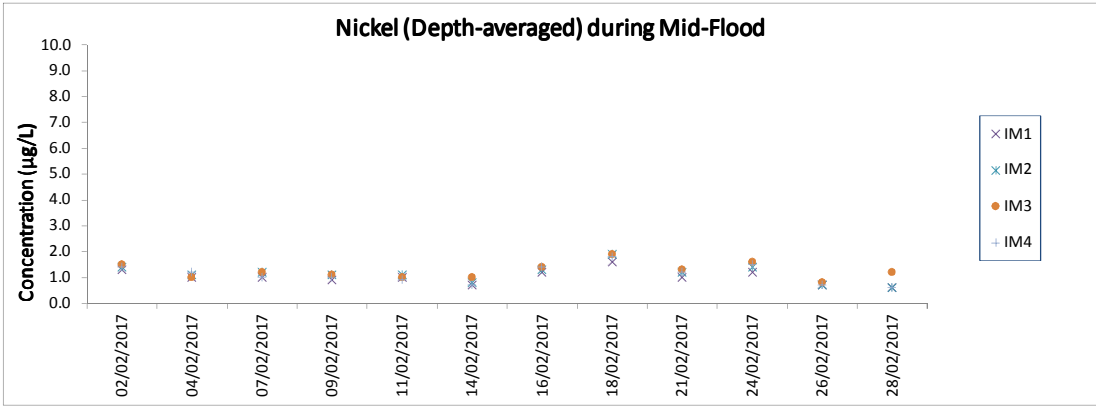
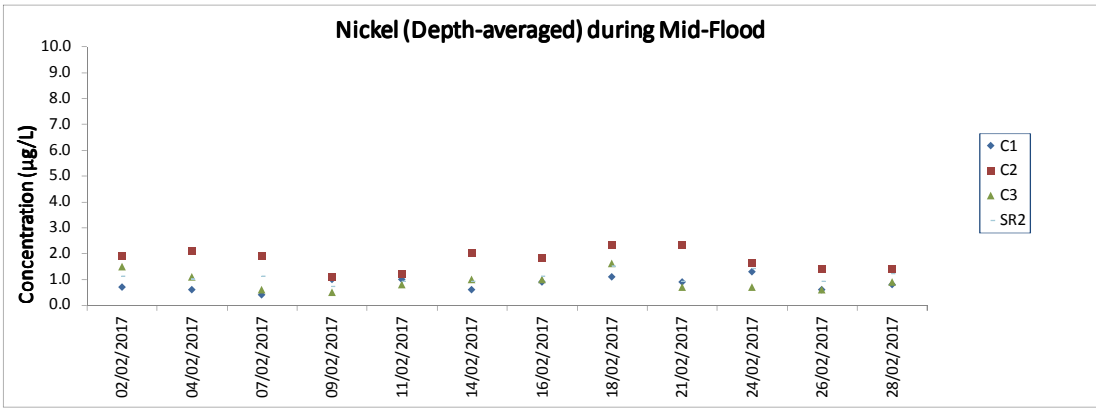
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



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
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
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

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
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
06-Feb-17	AW	2	2.94	WINTER	32166	3RS ET
06-Feb-17	AW	3	1.93	WINTER	32166	3RS ET
06-Feb-17	WL	2	17.00	WINTER	32166	3RS ET
06-Feb-17	WL	3	9.79	WINTER	32166	3RS ET
06-Feb-17	WL	4	3.53	WINTER	32166	3RS ET
06-Feb-17	SWL	4	2.54	WINTER	32166	3RS ET
06-Feb-17	SWL	5	4.35	WINTER	32166	3RS ET
07-Feb-17	NEL	2	5.80	WINTER	32166	3RS ET
07-Feb-17	NEL	3	25.76	WINTER	32166	3RS ET
07-Feb-17	NEL	4	11.47	WINTER	32166	3RS ET
07-Feb-17	NEL	5	4.27	WINTER	32166	3RS ET
09-Feb-17	SWL	2	0.90	WINTER	32166	3RS ET
09-Feb-17	SWL	3	14.17	WINTER	32166	3RS ET
09-Feb-17	SWL	4	15.23	WINTER	32166	3RS ET
09-Feb-17	SWL	5	32.40	WINTER	32166	3RS ET
10-Feb-17	NEL	1	3.30	WINTER	32166	3RS ET
10-Feb-17	NEL	2	8.03	WINTER	32166	3RS ET
10-Feb-17	NEL	3	34.17	WINTER	32166	3RS ET
10-Feb-17	NEL	4	2.00	WINTER	32166	3RS ET
16-Feb-17	AW	1	4.73	WINTER	32166	3RS ET
16-Feb-17	WL	1	18.36	WINTER	32166	3RS ET
16-Feb-17	WL	2	3.10	WINTER	32166	3RS ET
16-Feb-17	WL	3	6.07	WINTER	32166	3RS ET
17-Feb-17	SWL	1	37.70	WINTER	32166	3RS ET
17-Feb-17	SWL	2	29.26	WINTER	32166	3RS ET
20-Feb-17	NWL	1	27.20	WINTER	32166	3RS ET
20-Feb-17	NWL	2	48.10	WINTER	32166	3RS ET
21-Feb-17	NWL	3	14.17	WINTER	32166	3RS ET
21-Feb-17	NWL	4	38.72	WINTER	32166	3RS ET
21-Feb-17	NWL	5	21.81	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.
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
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

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
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
06-Feb-17	1	1013	CWD	3	WL	3	854	ON	3RS ET	22.2826	113.8613	WINTER	NONE
06-Feb-17	2	1140	CWD	3	WL	2	243	ON	3RS ET	22.2237	113.8323	WINTER	NONE
06-Feb-17	3	1218	CWD	3	WL	3	23	ON	3RS ET	22.2147	113.8300	WINTER	NONE
16-Feb-17	1	0957	CWD	2	AW	1	16	ON	3RS ET	22.2920	113.8749	WINTER	GILLNET
16-Feb-17	2	1037	CWD	5	WL	1	220	ON	3RS ET	22.2953	113.8612	WINTER	NONE
16-Feb-17	3	1121	CWD	4	WL	1	58	ON	3RS ET	22.2628	113.8564	WINTER	NONE
16-Feb-17	4	1147	CWD	3	WL	1	244	ON	3RS ET	22.2602	113.8470	WINTER	NONE
16-Feb-17	5	1206	CWD	2	WL	1	53	ON	3RS ET	22.2535	113.8348	WINTER	NONE
16-Feb-17	6	1215	CWD	3	WL	1	20	ON	3RS ET	22.2504	113.8378	WINTER	NONE
16-Feb-17	7	1231	CWD	7	WL	1	173	ON	3RS ET	22.2418	113.8473	WINTER	NONE
16-Feb-17	8	1304	CWD	2	WL	1	19	ON	3RS ET	22.2414	113.8428	WINTER	NONE
16-Feb-17	9	1315	CWD	2	WL	1	31	ON	3RS ET	22.2382	113.8266	WINTER	NONE
16-Feb-17	10	1333	CWD	14	WL	1	226	ON	3RS ET	22.2308	113.8381	WINTER	PURSE SEINE
16-Feb-17	11	1420	CWD	2	WL	2	452	ON	3RS ET	22.2139	113.8244	WINTER	NONE
16-Feb-17	12	1449	CWD	1	WL	2	29	ON	3RS ET	22.2051	113.8191	WINTER	NONE
17-Feb-17	1	1048	FP	2	SWL	2	174	ON	3RS ET	22.1586	113.9356	WINTER	NONE
17-Feb-17	2	1238	CWD	3	SWL	1	1380	ON	3RS ET	22.2005	113.9079	WINTER	PURSE SEINE
17-Feb-17	3	1349	CWD	2	SWL	1	50	ON	3RS ET	22.1889	113.8879	WINTER	NONE
17-Feb-17	4	1551	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2009	113.8934	WINTER	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
17-Feb-17	5	1559	CWD	1	SWL	1	N/A	OFF	3RS ET	22.2025	113.9121	WINTER	NONE
20-Feb-17	1	1137	CWD	1	NWL	2	259	ON	3RS ET	22.3819	113.8760	WINTER	NONE
21-Feb-17	1	1137	CWD	4	NWL	3	64	ON	3RS ET	22.3866	113.8776	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. December 2016 and January 2017) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

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

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

A total of 312.48 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 66 dolphins from on-effort sightings were collected under such condition. Calculation of the encounter rates in February 2017 are shown as below:

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

$$STG = \frac{19}{312.48} \times 100 = 6.08$$

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

$$ANI = \frac{66}{312.48} \times 100 = 21.12$$

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

A total of 1131.97 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 57 on-effort sightings and total number of 196 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)









$$STG = \frac{57}{1131.97} \times 100 = 5.04$$

Running Quarterly Encounter Rate by Number of Dolphins (ANI)









$$ANI = \frac{196}{1131.97} \times 100 = 17.31$$

CWD Small Vessel Line-transect Survey

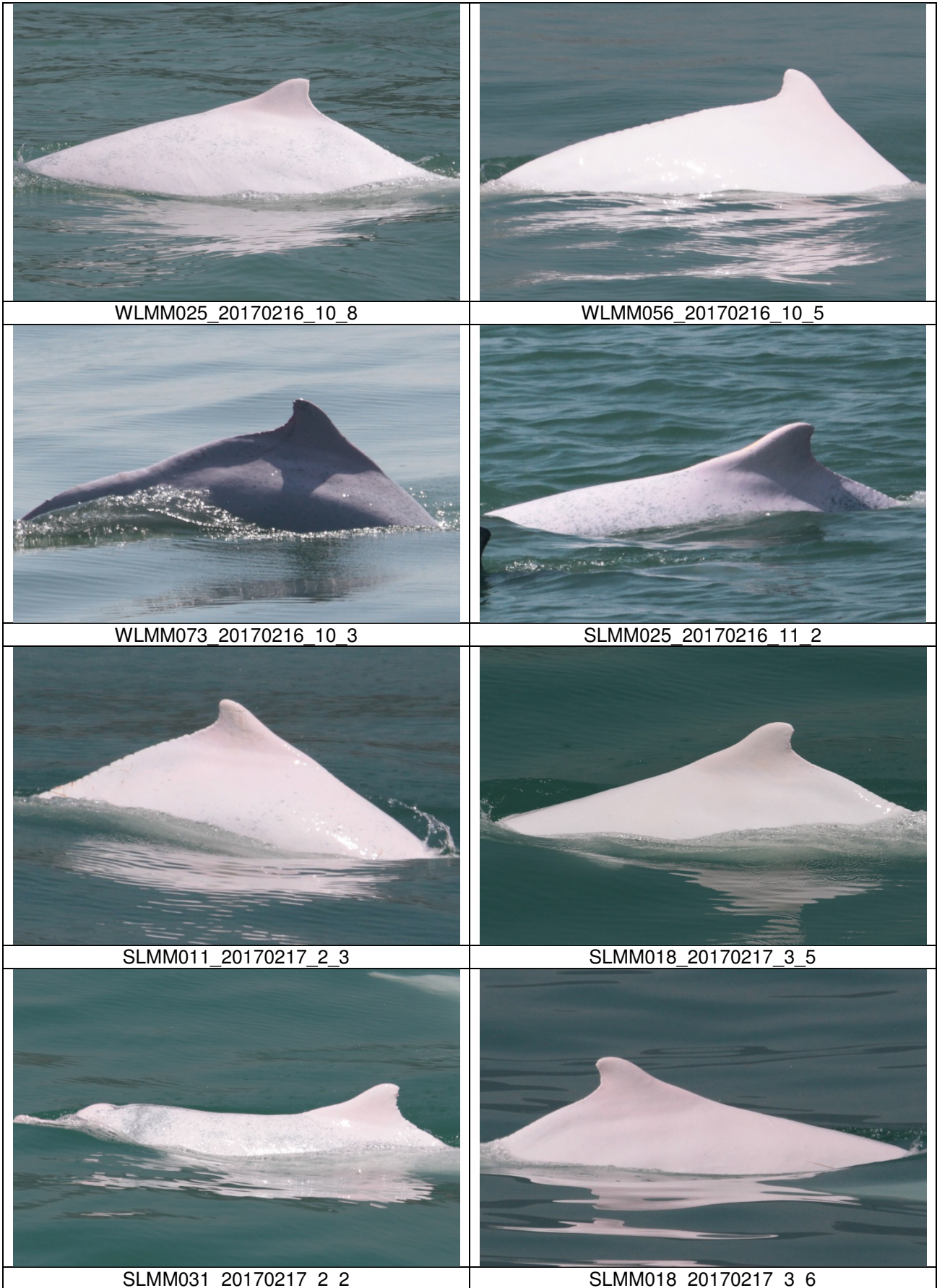
Photo Identification

	
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SLMM049_20170216_3_3	WLMM043_20170216_4_4
	
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SLMM022_20170216_10_6	SLMM036_20170216_10_1
	
SLMM047_20170216_10_7	SLMM049_20170216_10_8
	
SLMM052_20170216_10_5	WLMM003_20170216_10_3
	
WLMM007_20170216_10_10	WLMM017_20170216_10_2









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**CWD Land-based Theodolite Tracking****CWD Groups by Survey Date**

<b>Date</b>	<b>Station</b>	<b>Start Time</b>	<b>End Time</b>	<b>Duration</b>	<b>Beaufort Range</b>	<b>Visibility</b>	<b>No. of Focal Follow Dolphin Groups Tracked</b>	<b>Dolphin Group Size Range</b>
14/Feb/17	Sha Chau	8:34	14:34	6:00	2-3	1	0	0
15/Feb/17	Lung Kwu Chau	8:38	14:38	6:00	2-3	2	12	1-4
20/Feb/17	Lung Kwu Chau	8:45	14:45	6:00	1	3-4	0	0
27/Feb/17	Sha Chau	8:45	14:45	6:00	2-4	2	0	0
28/Feb/17	Lung Kwu Chau	8:47	15:02	6:15	1-2	2	12	1-7

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**

