

# Appendix C. Monitoring Results

# **Air Quality Monitoring Results**

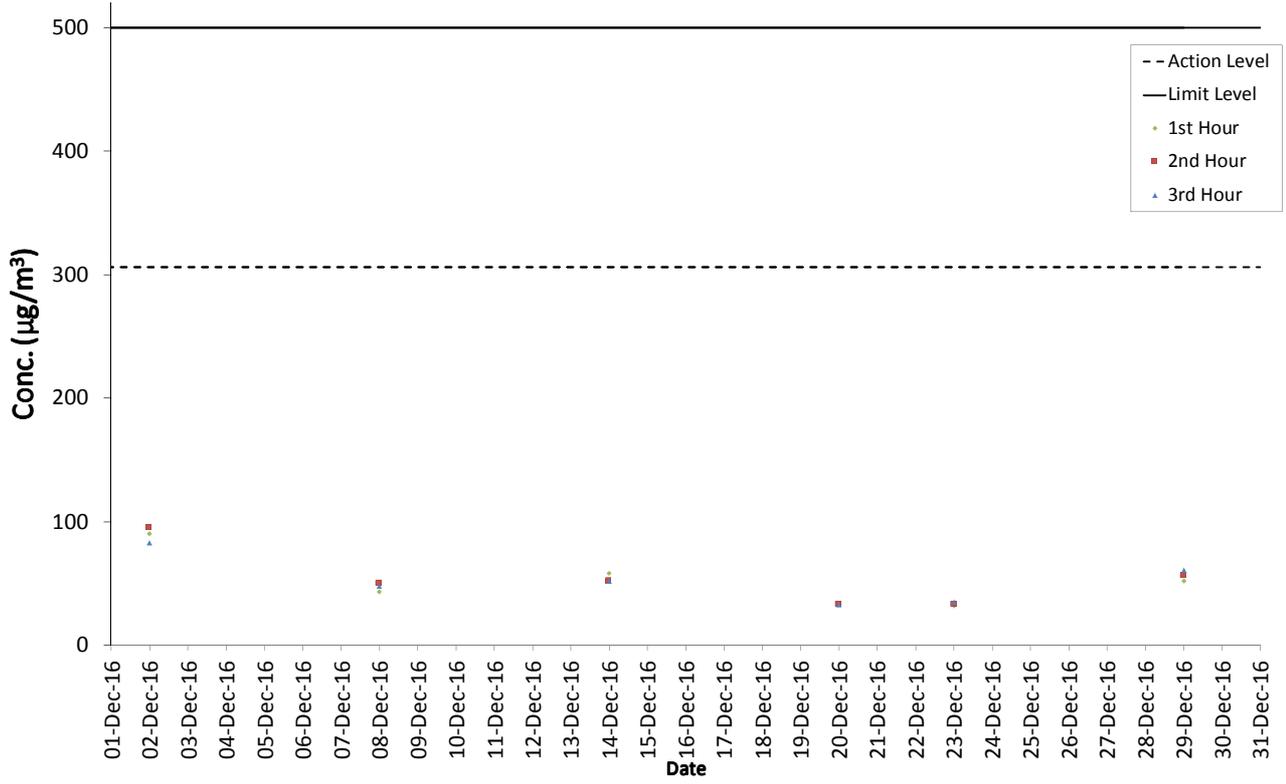
**1-hour TSP Results****Station: AR1A- Man Tung Road Park**

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 ( $\mu\text{g}/\text{m}^3$ )
02-Dec-16	08:56	Sunny	3.3	20	90	306	500
02-Dec-16	09:56	Sunny	2.8	17	95	306	500
02-Dec-16	10:56	Sunny	2.9	45	83	306	500
08-Dec-16	13:30	Sunny	5.9	334	43	306	500
08-Dec-16	14:30	Sunny	2.7	321	50	306	500
08-Dec-16	15:30	Sunny	2.5	280	48	306	500
14-Dec-16	08:55	Fine	5.8	57	58	306	500
14-Dec-16	09:55	Fine	5.9	56	52	306	500
14-Dec-16	10:55	Fine	6	55	52	306	500
20-Dec-16	09:00	Sunny	3.2	69	33	306	500
20-Dec-16	10:00	Sunny	4.5	58	33	306	500
20-Dec-16	11:00	Sunny	3.9	60	33	306	500
23-Dec-16	09:00	Sunny	4.2	60	32	306	500
23-Dec-16	10:00	Sunny	4.5	46	33	306	500
23-Dec-16	11:00	Sunny	3.5	45	35	306	500
29-Dec-16	14:09	Cloudy	5.5	341	52	306	500
29-Dec-16	15:09	Cloudy	4.2	348	56	306	500
29-Dec-16	16:09	Cloudy	3.9	37	61	306	500

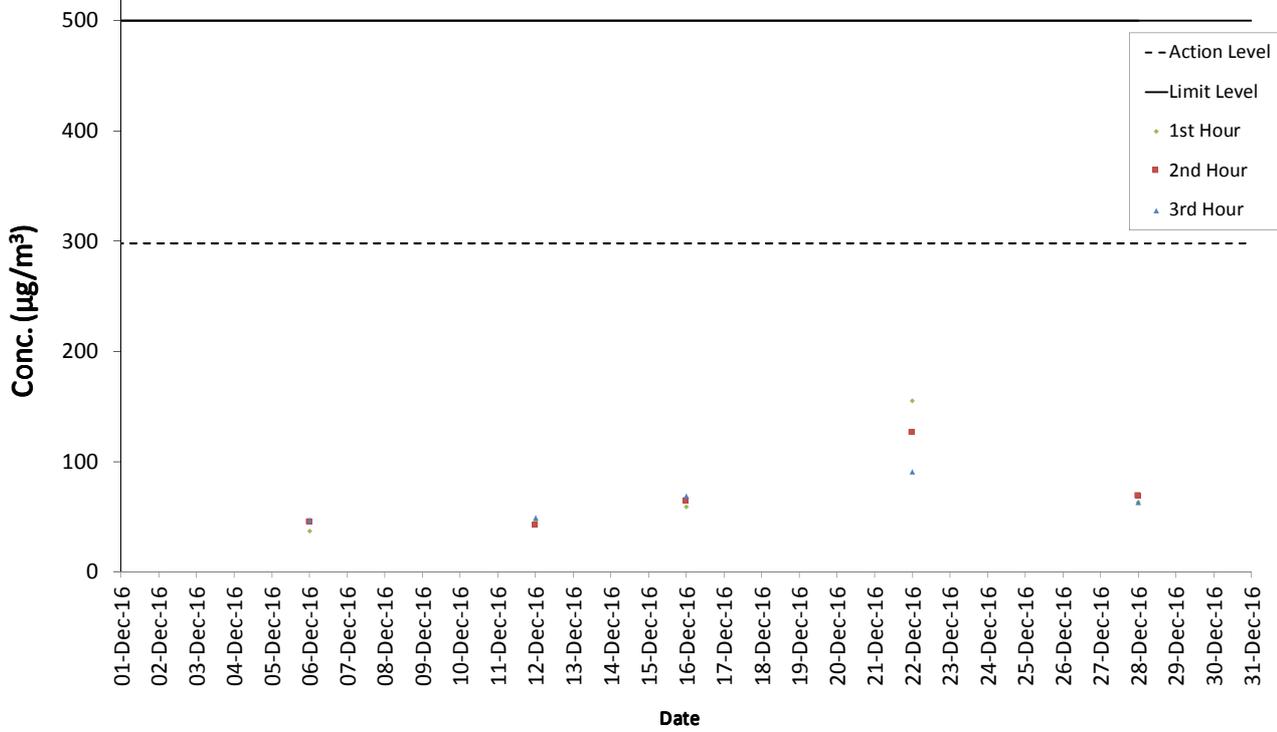
**1-hour TSP Results****Station: AR2- Village House, Tin Sum**

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 ( $\mu\text{g}/\text{m}^3$ )
06-Dec-16	09:00	Fine	5.2	37	37	298	500
06-Dec-16	10:00	Fine	4.1	31	45	298	500
06-Dec-16	11:00	Fine	6.5	43	47	298	500
12-Dec-16	08:50	Fine	6.1	69	46	298	500
12-Dec-16	09:50	Fine	6.3	63	42	298	500
12-Dec-16	10:50	Fine	6.7	59	49	298	500
16-Dec-16	08:55	Sunny	6.3	42	59	298	500
16-Dec-16	09:55	Sunny	8.4	47	64	298	500
16-Dec-16	10:55	Sunny	4.7	51	69	298	500
22-Dec-16	08:55	Fine	6.3	337	155	298	500
22-Dec-16	09:55	Fine	8.3	331	126	298	500
22-Dec-16	10:55	Fine	9.3	336	91	298	500
28-Dec-16	08:55	Fine	4.1	57	63	298	500
28-Dec-16	09:55	Fine	6.9	54	69	298	500
28-Dec-16	10:55	Fine	4.6	44	63	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)
08-Dec-16	Sunny	15:21	73.0	61.5	72
08-Dec-16	Sunny	15:26	72.5	61.0	
08-Dec-16	Sunny	15:31	71.0	61.0	
08-Dec-16	Sunny	15:36	71.0	61.0	
08-Dec-16	Sunny	15:41	71.0	61.0	
08-Dec-16	Sunny	15:46	69.0	59.5	71
14-Dec-16	Fine	10:05	71.5	55.5	
14-Dec-16	Fine	10:10	72.0	57.0	
14-Dec-16	Fine	10:15	70.5	56.5	
14-Dec-16	Fine	10:20	70.0	56.5	
14-Dec-16	Fine	10:25	70.5	56.5	71
14-Dec-16	Fine	10:30	73.0	58.0	
20-Dec-16	Sunny	09:17	70.5	56.5	
20-Dec-16	Sunny	09:22	70.5	56.5	
20-Dec-16	Sunny	09:27	71.5	57.5	
20-Dec-16	Sunny	09:32	72.5	58.0	71
20-Dec-16	Sunny	09:37	70.0	56.0	
20-Dec-16	Sunny	09:42	70.0	56.0	
29-Dec-16	Fine	14:32	73.5	60.5	
29-Dec-16	Fine	14:37	69.5	60.0	
29-Dec-16	Fine	14:42	69.0	59.5	71
29-Dec-16	Fine	14:47	69.5	60.0	
29-Dec-16	Fine	14:52	68.0	58.5	
29-Dec-16	Fine	14:57	68.0	58.5	

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)
08-Dec-16	Sunny	13:02	70.5	59.5	63
08-Dec-16	Sunny	13:07	73.0	59.0	
08-Dec-16	Sunny	13:12	68.0	59.5	
08-Dec-16	Sunny	13:17	67.5	59.0	
08-Dec-16	Sunny	13:22	70.0	61.0	
08-Dec-16	Sunny	13:27	69.0	59.0	
14-Dec-16	Sunny	14:13	69.5	58.5	61
14-Dec-16	Sunny	14:18	68.5	57.0	
14-Dec-16	Sunny	14:23	66.0	57.0	
14-Dec-16	Sunny	14:28	67.0	58.0	
14-Dec-16	Sunny	14:33	69.5	57.5	
14-Dec-16	Sunny	14:38	67.0	57.5	
20-Dec-16	Cloudy	11:18	67.0	57.5	63
20-Dec-16	Cloudy	11:23	67.5	57.0	
20-Dec-16	Cloudy	11:28	67.5	56.5	
20-Dec-16	Cloudy	11:33	67.0	56.0	
20-Dec-16	Cloudy	11:38	66.5	57.0	
20-Dec-16	Cloudy	11:43	66.0	56.5	
30-Dec-16	Sunny	13:24	69.5	58.0	61
30-Dec-16	Sunny	13:29	66.5	56.0	
30-Dec-16	Sunny	13:34	70.5	57.5	
30-Dec-16	Sunny	13:39	67.0	57.0	
30-Dec-16	Sunny	13:44	69.0	56.5	
30-Dec-16	Sunny	13:49	68.5	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)
08-Dec-16	Sunny	11:01	63.5	59.5	64
08-Dec-16	Sunny	11:06	63.5	58.5	
08-Dec-16	Sunny	11:11	63.5	58.5	
08-Dec-16	Sunny	11:16	63.0	58.5	
08-Dec-16	Sunny	11:21	63.5	58.0	
08-Dec-16	Sunny	11:26	62.5	58.0	
14-Dec-16	Sunny	13:00	65.0	61.5	68
14-Dec-16	Sunny	13:05	68.5	63.0	
14-Dec-16	Sunny	13:10	72.5	67.5	
14-Dec-16	Sunny	13:15	71.5	62.0	
14-Dec-16	Sunny	13:20	63.5	58.5	
14-Dec-16	Sunny	13:25	66.5	61.0	
20-Dec-16	Sunny	13:33	63.5	59.5	65
20-Dec-16	Sunny	13:38	63.5	59.5	
20-Dec-16	Sunny	13:43	63.0	58.5	
20-Dec-16	Sunny	13:48	62.0	58.0	
20-Dec-16	Sunny	13:53	62.5	58.5	
20-Dec-16	Sunny	13:58	62.5	58.5	
29-Dec-16	Fine	13:10	64.5	58.5	60
29-Dec-16	Fine	13:15	65.5	59.0	
29-Dec-16	Fine	13:20	66.5	61.0	
29-Dec-16	Fine	13:25	65.5	60.0	
29-Dec-16	Fine	13:30	66.0	60.5	
29-Dec-16	Fine	13:35	65.0	59.5	

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)
06-Dec-16	Fine	09:09	64.5	53.0	61
06-Dec-16	Fine	09:14	58.5	51.5	
06-Dec-16	Fine	09:19	61.5	52.0	
06-Dec-16	Fine	09:24	59.5	51.5	
06-Dec-16	Fine	09:29	62.5	54.0	
06-Dec-16	Fine	09:34	67.5	54.0	
12-Dec-16	Fine	09:14	57.5	50.5	59
12-Dec-16	Fine	09:19	57.5	50.0	
12-Dec-16	Fine	09:24	61.0	50.5	
12-Dec-16	Fine	09:29	55.0	49.0	
12-Dec-16	Fine	09:34	58.0	51.0	
12-Dec-16	Fine	09:39	55.8	51.0	
22-Dec-16	Fine	09:20	61.5	54.0	62
22-Dec-16	Fine	09:25	63.0	55.0	
22-Dec-16	Fine	09:30	66.0	55.0	
22-Dec-16	Fine	09:35	65.5	55.5	
22-Dec-16	Fine	09:40	65.0	54.0	
22-Dec-16	Fine	09:45	63.5	55.0	
28-Dec-16	Cloudy	09:12	66.0	52.0	61
28-Dec-16	Cloudy	09:17	62.0	52.5	
28-Dec-16	Cloudy	09:22	61.5	51.5	
28-Dec-16	Cloudy	09:27	63.0	54.0	
28-Dec-16	Cloudy	09:32	64.0	54.5	
28-Dec-16	Cloudy	09:37	59.5	50.0	

Remarks:

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

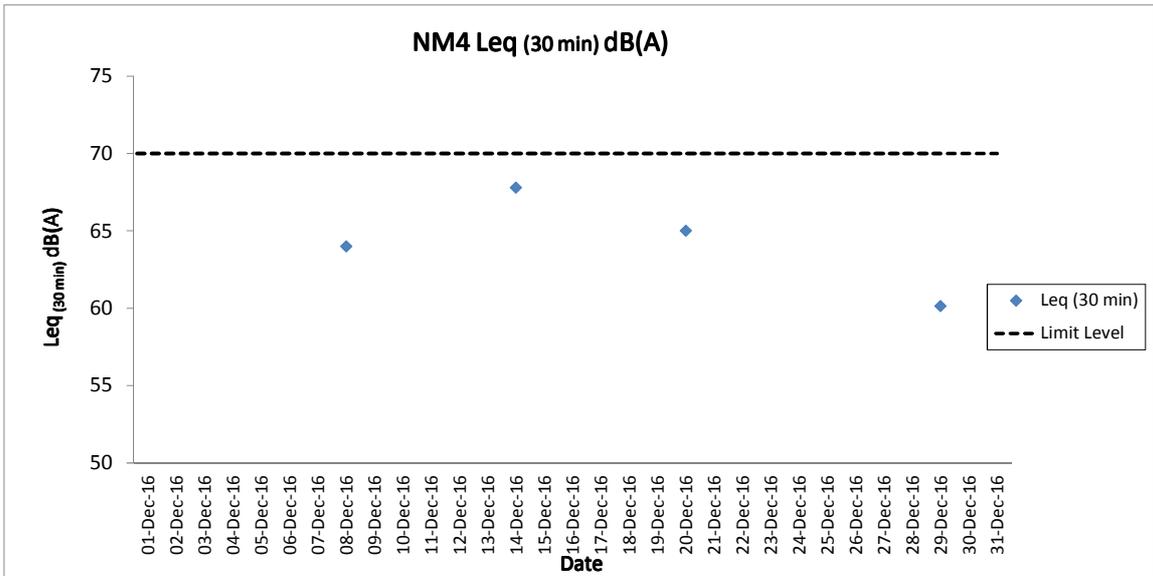
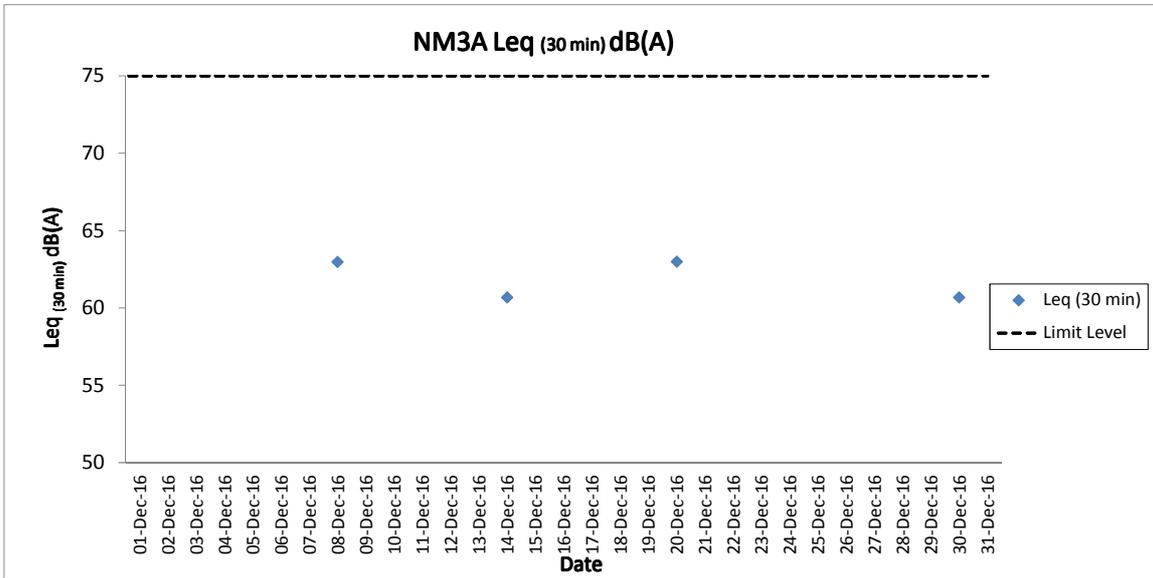
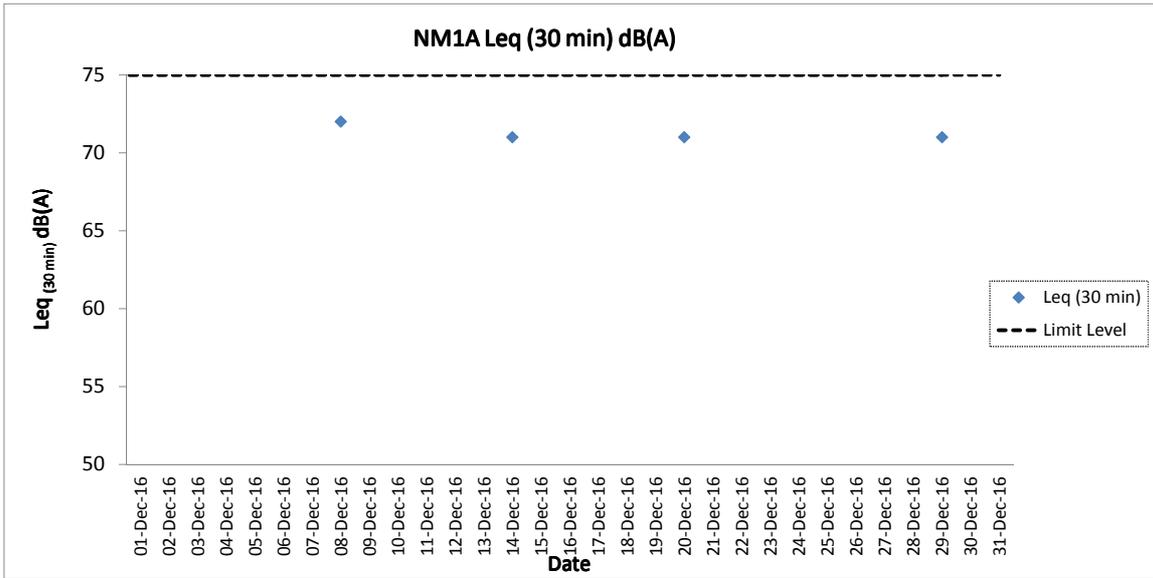
## Noise Measurement Results

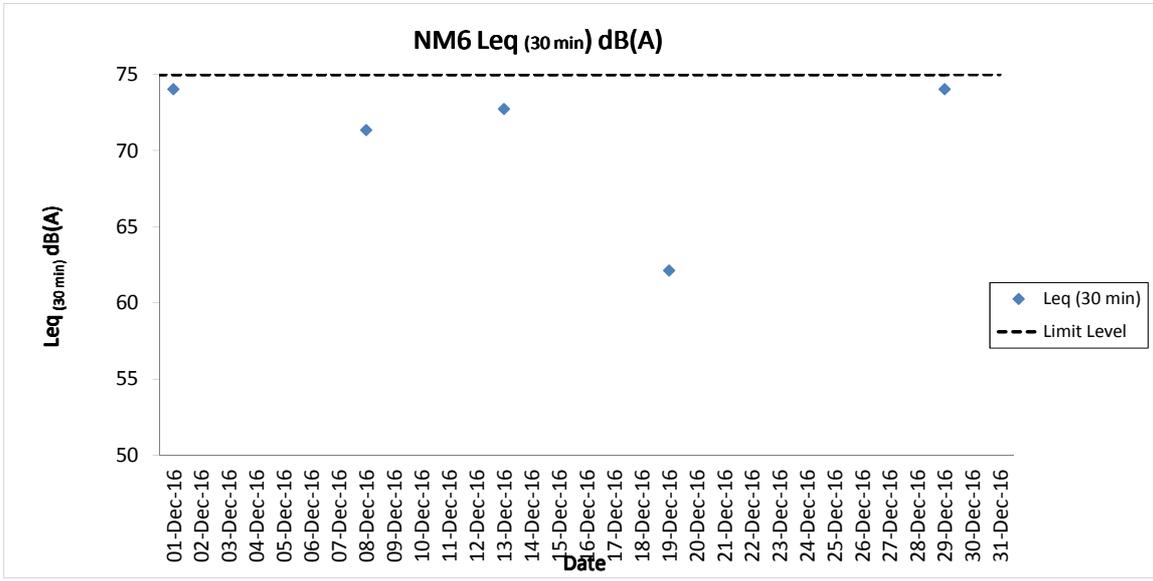
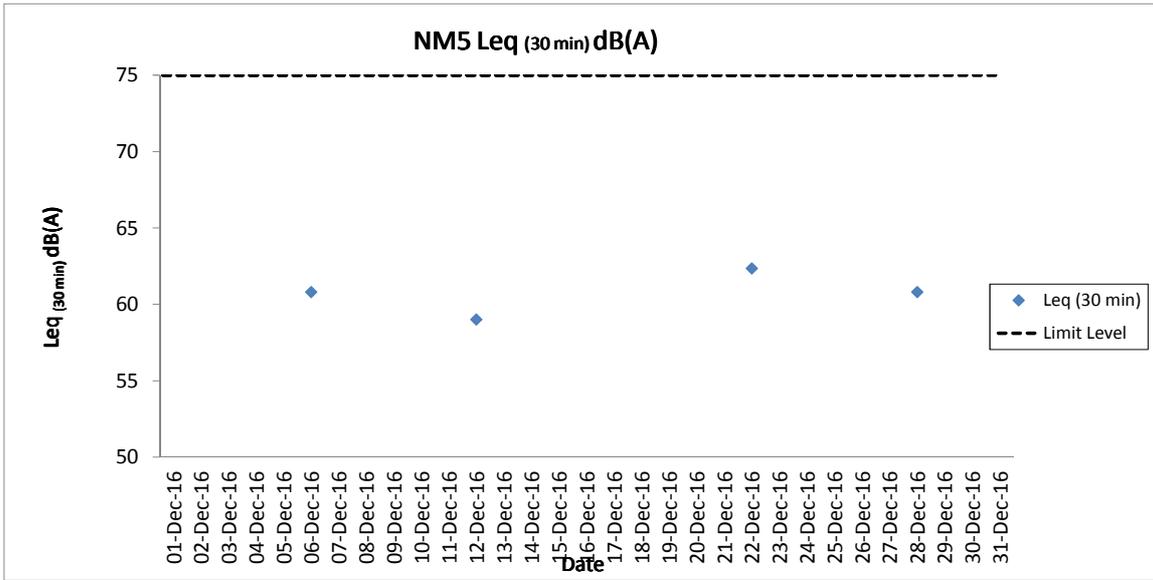
Station: NM6- House No.1 Sha Lo Wan

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-Dec-16	Sunny	09:39	78.5	61.5	74
01-Dec-16	Sunny	09:44	78.5	60.5	
01-Dec-16	Sunny	09:49	76.0	62.5	
01-Dec-16	Sunny	09:54	77.0	63.5	
01-Dec-16	Sunny	09:59	78.0	61.5	
01-Dec-16	Sunny	10:04	74.5	61.5	
08-Dec-16	Sunny	09:39	74.5	60.5	71
08-Dec-16	Sunny	09:44	75.0	57.0	
08-Dec-16	Sunny	09:49	76.5	56.5	
08-Dec-16	Sunny	09:54	69.5	54.5	
08-Dec-16	Sunny	09:59	75.5	58.5	
08-Dec-16	Sunny	10:04	69.5	57.0	
13-Dec-16	Sunny	09:41	76.5	53.0	73
13-Dec-16	Sunny	09:46	76.0	52.5	
13-Dec-16	Sunny	09:51	79.0	51.0	
13-Dec-16	Sunny	09:56	75.0	56.0	
13-Dec-16	Sunny	10:01	76.5	57.5	
13-Dec-16	Sunny	10:06	74.5	56.0	
19-Dec-16	Sunny	09:40	69.0	59.0	62
19-Dec-16	Sunny	09:45	69.5	62.5	
19-Dec-16	Sunny	09:50	68.5	57.0	
19-Dec-16	Sunny	09:55	68.5	58.0	
19-Dec-16	Sunny	10:00	72.5	57.0	
19-Dec-16	Sunny	10:05	68.0	57.5	
29-Dec-16	Cloudy	09:40	77.5	60.0	74
29-Dec-16	Cloudy	09:45	77.0	61.0	
29-Dec-16	Cloudy	09:50	75.0	61.5	
29-Dec-16	Cloudy	09:55	75.0	61.0	
29-Dec-16	Cloudy	10:00	76.0	63.5	
29-Dec-16	Cloudy	10:05	75.0	62.5	

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 01 December 16 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	08:08	8.4	Surface	1.0	0.8	83	22.0	22.0	7.9	7.9	31.6	31.6	101.7	101.7	7.4	7.4	16.7	16.7	20	20	85	85	815603	804256	<0.2	<0.2	1.2	1.2		
						1.0	0.9	86	22.0	7.9	7.9	31.6	31.6	101.7	101.7	7.4	7.4	16.7	16.7	21	21	85	85	815603	804256	<0.2	<0.2	1.2	1.2			
						4.2	0.8	81	22.0	7.9	7.9	31.5	31.6	101.6	101.6	7.4	7.4	18.0	18.0	28	28	88	88	815603	804256	<0.2	<0.2	1.3	1.3			
					Middle	4.2	0.8	84	22.0	7.9	7.9	31.6	31.6	101.6	101.6	7.4	7.4	18.0	18.0	28	28	88	88	815603	804256	<0.2	<0.2	1.1	1.1			
						7.4	0.7	83	21.9	7.9	7.9	31.4	31.4	101.7	101.7	7.4	7.4	24.9	24.9	35	35	91	91	815603	804256	<0.2	<0.2	1.1	1.1			
						7.4	0.8	88	21.9	7.9	7.9	31.4	31.4	101.7	101.7	7.4	7.4	24.9	24.9	36	36	92	92	815603	804256	<0.2	<0.2	1.2	1.2			
C2	Sunny	Moderate	09:32	11.2	Surface	1.0	0.4	243	19.6	19.6	8.0	8.0	31.1	31.1	101.5	101.5	7.7	7.7	4.8	4.8	11	11	84	84	825686	806943	<0.2	<0.2	1.2	1.2		
						1.0	0.4	250	19.6	8.0	8.0	31.1	31.1	101.5	101.5	7.7	7.7	4.8	4.8	11	11	85	85	825686	806943	<0.2	<0.2	1.2	1.2			
						5.6	0.4	143	19.5	8.0	8.0	31.2	31.2	101.7	101.7	7.8	7.8	6.4	6.4	9	9	92	92	825686	806943	<0.2	<0.2	1.3	1.3			
					Middle	5.6	0.4	150	19.5	8.0	8.0	31.2	31.2	101.7	101.7	7.8	7.8	6.4	6.4	10	10	92	92	825686	806943	<0.2	<0.2	1.2	1.2			
						10.2	0.5	106	19.4	7.9	7.9	31.4	31.4	103.6	103.6	7.9	7.9	9.5	9.5	14	14	94	94	825686	806943	<0.2	<0.2	0.9	0.9			
						10.2	0.6	108	19.4	7.9	7.9	31.4	31.4	103.6	103.6	7.9	7.9	9.5	9.5	16	16	94	94	825686	806943	<0.2	<0.2	1.1	1.1			
C3	Sunny	Moderate	07:33	10.7	Surface	1.0	0.6	273	20.2	20.2	7.9	7.9	31.4	31.4	97.0	97.0	7.3	7.3	12.5	12.5	15	15	89	89	822097	817803	<0.2	<0.2	1.0	1.0		
						1.0	0.6	285	20.2	7.9	7.9	31.4	31.4	97.0	97.0	7.3	7.3	12.6	12.6	16	16	89	89	822097	817803	<0.2	<0.2	1.1	1.1			
						5.4	0.5	278	20.2	7.9	7.9	31.5	31.5	97.4	97.4	7.3	7.3	17.9	17.9	15	15	93	93	822097	817803	<0.2	<0.2	1.3	1.3			
					Middle	5.4	0.6	289	20.2	7.9	7.9	31.5	31.5	97.4	97.4	7.3	7.3	17.9	17.9	17	17	93	93	822097	817803	<0.2	<0.2	1.2	1.2			
						9.7	0.4	277	20.2	7.9	7.9	31.8	31.8	99.2	99.2	7.5	7.5	22.0	22.0	19	19	96	96	822097	817803	<0.2	<0.2	0.9	0.9			
						9.7	0.5	304	20.2	7.9	7.9	31.8	31.8	99.2	99.2	7.5	7.5	22.0	22.0	18	18	95	95	822097	817803	<0.2	<0.2	0.9	0.9			
IM1	Fine	Moderate	08:27	7.4	Surface	1.0	0.6	132	22.0	22.0	7.9	7.9	31.7	31.7	101.7	101.7	7.4	7.4	14.8	14.8	20	20	85	85	818333	806472	<0.2	<0.2	0.9	0.9		
						1.0	0.6	136	22.0	7.9	7.9	31.7	31.7	101.7	101.7	7.4	7.4	14.8	14.8	21	21	86	86	818333	806472	<0.2	<0.2	1.0	1.0			
						3.7	0.6	155	22.0	7.9	7.9	31.7	31.7	101.4	101.4	7.4	7.4	15.6	15.6	20	20	93	93	818333	806472	<0.2	<0.2	1.1	1.1			
					Middle	3.7	0.6	166	22.0	7.9	7.9	31.7	31.7	101.4	101.4	7.4	7.4	15.4	15.4	20	20	94	94	818333	806472	<0.2	<0.2	1.0	1.0			
						6.4	0.5	159	22.0	7.9	7.9	31.6	31.6	101.2	101.2	7.4	7.4	19.7	19.7	23	23	94	94	818333	806472	<0.2	<0.2	1.1	1.1			
						6.4	0.6	166	22.0	7.9	7.9	31.6	31.6	101.2	101.2	7.4	7.4	19.6	19.6	24	24	95	95	818333	806472	<0.2	<0.2	1.0	1.0			
IM2	Fine	Moderate	08:36	8.5	Surface	1.0	0.8	97	21.9	22.0	7.9	7.9	31.5	31.5	102.1	102.1	7.4	7.4	14.3	14.3	24	24	85	85	818836	806195	<0.2	<0.2	1.2	1.2		
						1.0	0.8	106	22.0	7.9	7.9	31.5	31.5	102.1	102.1	7.4	7.4	14.3	14.3	25	25	85	85	818836	806195	<0.2	<0.2	1.1	1.1			
						4.3	0.7	136	21.9	7.9	7.9	31.4	31.4	101.9	101.9	7.4	7.4	16.3	16.3	31	31	87	87	818836	806195	<0.2	<0.2	1.0	1.0			
					Middle	4.3	0.8	141	21.9	7.9	7.9	31.4	31.4	101.9	101.9	7.4	7.4	16.2	16.2	30	30	86	86	818836	806195	<0.2	<0.2	1.1	1.1			
						7.5	0.7	109	21.9	7.9	7.9	31.4	31.4	102.3	102.3	7.5	7.5	23.2	23.2	32	32	91	91	818836	806195	<0.2	<0.2	1.1	1.1			
						7.5	0.7	111	21.9	7.9	7.9	31.4	31.4	102.3	102.3	7.5	7.5	23.3	23.3	34	34	91	91	818836	806195	<0.2	<0.2	1.1	1.1			
IM3	Fine	Moderate	08:44	8.9	Surface	1.0	0.8	143	21.9	21.9	7.9	7.9	31.5	31.5	101.9	101.9	7.4	7.4	16.4	16.4	25	25	86	86	819420	806020	<0.2	<0.2	1.2	1.2		
						1.0	0.8	150	21.9	7.9	7.9	31.5	31.5	101.9	101.9	7.4	7.4	16.2	16.2	25	25	86	86	819420	806020	<0.2	<0.2	1.2	1.2			
						4.5	0.7	162	21.9	7.9	7.9	31.4	31.4	101.9	101.9	7.4	7.4	17.5	17.5	26	26	88	88	819420	806020	<0.2	<0.2	1.6	1.6			
					Middle	4.5	0.8	164	21.9	7.9	7.9	31.4	31.4	101.9	101.9	7.4	7.4	17.4	17.4	26	26	89	89	819420	806020	<0.2	<0.2	1.6	1.6			
						7.9	0.7	142	21.9	7.9	7.9	31.3	31.3	103.2	103.2	7.5	7.5	19.8	19.8	30	30	90	90	819420	806020	<0.2	<0.2	1.3	1.3			
						7.9	0.8	148	21.9	7.9	7.9	31.3	31.3	103.3	103.3	7.5	7.5	19.5	19.5	28	28	91	91	819420	806020	<0.2	<0.2	1.4	1.4			
IM4	Fine	Moderate	08:54	8.1	Surface	1.0	0.7	112	21.9	21.9	7.9	7.9	31.4	31.4	102.7	102.7	7.5	7.5	13.8	13.8	23	23	87	87	819551	805050	<0.2	<0.2	1.1	1.1		
						1.0	0.7	121	21.9	7.9	7.9	31.4	31.4	102.7	102.7	7.5	7.5	13.8	13.8	23	23	86	86	819551	805050	<0.2	<0.2	1.2	1.2			
						4.1	0.6	124	21.9	7.9	7.9	31.3	31.3	102.4	102.4	7.5	7.5	14.8	14.8	27	27	89	89	819551	805050	<0.2	<0.2	1.2	1.2			
					Middle	4.1	0.7	133	21.9	7.9	7.9	31.3	31.3	102.4	102.4	7.5	7.5	14.9	14.9	26	26	90	90	819551	805050	<0.2	<0.2	1.2	1.2			
						7.1	0.6	147	21.9	7.9	7.9	31.3	31.3	101.8	101.8	7.4	7.4	25.8	25.8	32	32	93	93	819551	805050	<0.2	<0.2	0.9	0.9			
						7.1	0.6	160	21.8	7.9	7.9	31.3	31.3	101.8	101.8	7.4	7.4	25.8	25.8	34	34	93	93	819551	805050	<0.2	<0.2	1.0	1.0			
IM5	Fine	Moderate	09:03	7.0	Surface	1.0	0.7	118	21.9	21.9	7.9	7.9	31.4	31.4	102.6	102.6	7.5	7.5	12.4	12.4	16	16	85	85	820549	804919	<0.2	<0.2	1.0	1.0		
						1.0	0.7	120	21.9	7.9	7.9	31.4	31.4	102.6	102.6	7.5	7.5	12.5	12.5	16	16	86	86	820549	804919	<0.2	<0.2	1.0	1.0			
						3.5	0.6	129	21.9	7.9	7.9	31.4	31.4	102.1	102.1	7.4	7.4	14.9	14.9	22	22	90	90	820549	804919	<0.2	<0.2	1.0	1.0			
					Middle	3.5	0.6	141	21.9	7.9	7.9	31.4	31.4	102.0	102.0	7.4	7.4	15.0	15.0	23	23	91	91	820549	804919	<0.2	<0.2	1.0	1.0			

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

**Water Quality Monitoring Results on 01 December 16 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	08:43	7.2	Surface	1.0	0.4	188	19.7	19.7	8.0	8.0	31.7	31.7	101.1	101.2	7.7	7.7	9.8	11.7	11	10	86	86	91	822077	808825	<0.2	<0.2	1.0	1.1		
						1.0	0.4	206	19.7	8.0	8.0	31.7	31.7	101.2	101.2	7.7	7.7	10.4	11.7	10	10	86	86	91	822077	808825	<0.2	<0.2	0.9	0.9			
						3.6	0.4	196	19.7	8.0	8.0	31.7	31.7	101.9	101.9	7.7	7.7	10.3	11.7	11	10	92	93	91	822077	808825	<0.2	<0.2	0.9	0.9			
					Middle	3.6	0.4	199	19.7	8.0	8.0	31.7	31.7	101.9	101.9	7.7	7.7	10.3	11.7	9	10	93	94	91	822077	808825	<0.2	<0.2	0.8	0.7			
						6.2	0.4	192	19.6	8.0	8.0	31.7	31.7	103.4	103.4	7.9	7.9	14.8	14.8	10	10	94	95	91	822077	808825	<0.2	<0.2	0.8	0.7			
						6.2	0.4	210	19.6	8.0	8.0	31.7	31.7	103.4	103.4	7.9	7.9	14.8	14.8	10	10	95	95	91	822077	808825	<0.2	<0.2	0.7	0.7			
IM10	Sunny	Moderate	08:35	7.7	Surface	1.0	0.4	278	19.5	19.5	8.0	8.0	31.6	31.6	100.9	100.9	7.7	7.7	14.2	21.0	18	17	86	86	91	822259	809853	<0.2	<0.2	0.7	0.6		
						1.0	0.4	304	19.5	8.0	8.0	31.6	31.6	100.9	100.9	7.7	7.7	14.2	21.0	17	17	86	86	91	822259	809853	<0.2	<0.2	0.7	0.6			
						3.9	0.4	276	19.5	8.0	8.0	31.6	31.6	100.5	100.5	7.7	7.7	20.1	21.0	23	22	93	93	91	822259	809853	<0.2	<0.2	0.7	0.7			
					Middle	3.9	0.4	300	19.5	8.0	8.0	31.6	31.6	100.5	100.5	7.7	7.7	20.1	21.0	24	22	93	93	91	822259	809853	<0.2	<0.2	0.7	0.7			
						6.7	0.4	265	19.5	8.0	8.0	31.6	31.6	100.3	100.3	7.6	7.6	28.6	28.8	24	22	95	95	91	822259	809853	<0.2	<0.2	0.6	0.6			
						6.7	0.4	278	19.5	8.0	8.0	31.6	31.6	100.2	100.2	7.6	7.6	28.8	28.8	25	22	95	95	91	822259	809853	<0.2	<0.2	0.6	0.7			
IM11	Sunny	Moderate	08:26	7.9	Surface	1.0	0.4	280	19.4	19.4	8.0	8.0	31.6	31.6	101.3	101.3	7.7	7.7	16.0	18.1	18	18	87	86	91	821504	810562	<0.2	<0.2	0.7	0.7		
						1.0	0.4	293	19.4	8.0	8.0	31.6	31.6	101.3	101.3	7.7	7.7	16.0	18.1	18	19	87	92	91	821504	810562	<0.2	<0.2	0.8	0.8			
						4.0	0.4	273	19.4	8.0	8.0	31.5	31.5	101.1	101.1	7.7	7.7	18.8	18.1	19	19	92	93	91	821504	810562	<0.2	<0.2	0.8	0.8			
					Middle	4.0	0.5	292	19.4	8.0	8.0	31.5	31.5	101.1	101.1	7.7	7.7	18.8	18.1	17	19	93	93	91	821504	810562	<0.2	<0.2	0.8	0.8			
						6.9	0.3	271	19.5	8.0	8.0	31.5	31.5	101.7	101.7	7.8	7.8	19.4	18.1	20	19	95	95	91	821504	810562	<0.2	<0.2	0.8	0.8			
						6.9	0.4	289	19.5	8.0	8.0	31.5	31.5	101.7	101.7	7.8	7.8	19.4	18.1	21	19	95	95	91	821504	810562	<0.2	<0.2	0.8	0.8			
IM12	Sunny	Moderate	08:17	8.7	Surface	1.0	0.5	270	19.4	19.4	8.0	8.0	31.5	31.5	101.8	101.8	7.8	7.8	13.6	13.8	15	16	87	87	92	821176	811500	<0.2	<0.2	1.0	0.9		
						1.0	0.5	285	19.4	8.0	8.0	31.5	31.5	101.8	101.8	7.8	7.8	13.6	13.8	16	17	87	93	92	821176	811500	<0.2	<0.2	0.9	0.8			
						4.4	0.5	272	19.4	8.0	8.0	31.5	31.5	101.7	101.7	7.8	7.8	14.2	13.8	17	17	93	93	92	821176	811500	<0.2	<0.2	0.9	0.9			
					Middle	4.4	0.5	275	19.4	8.0	8.0	31.5	31.5	101.7	101.7	7.8	7.8	14.2	13.8	16	17	93	93	92	821176	811500	<0.2	<0.2	0.9	0.9			
						7.7	0.5	263	19.5	7.9	7.9	31.4	31.4	102.2	102.2	7.8	7.8	13.7	13.8	18	17	95	95	92	821176	811500	<0.2	<0.2	1.1	1.1			
						7.7	0.5	266	19.5	7.9	7.9	31.4	31.4	102.2	102.2	7.8	7.8	13.7	13.8	17	17	95	95	92	821176	811500	<0.2	<0.2	1.2	1.2			
SR2	Sunny	Moderate	07:55	4.7	Surface	1.0	0.3	234	19.7	19.7	7.9	7.9	31.4	31.4	101.0	101.0	7.7	7.7	17.8	18.1	24	23	88	88	92	821468	814183	<0.2	<0.2	0.9	1.0		
						1.0	0.3	254	19.7	7.9	7.9	31.4	31.4	101.0	101.0	7.7	7.7	17.8	18.1	23	24	88	88	92	821468	814183	<0.2	<0.2	1.0	1.0			
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						3.7	0.2	228	19.7	7.9	7.9	31.4	31.4	104.7	104.7	8.0	8.0	18.5	18.1	23	24	96	96	92	821468	814183	<0.2	<0.2	0.8	0.8			
						3.7	0.2	247	19.7	7.9	7.9	31.4	31.4	104.8	104.8	8.0	8.0	18.4	18.1	24	24	95	95	92	821468	814183	<0.2	<0.2	0.7	0.7			
SR3	Sunny	Moderate	09:02	8.7	Surface	1.0	0.3	145	19.6	19.6	8.0	8.0	31.5	31.5	100.6	100.6	7.7	7.7	13.6	17.5	12	14	-	-	-	-	822139	807560	-	-	-	-	
						1.0	0.3	155	19.6	8.0	8.0	31.5	31.5	100.6	100.6	7.7	7.7	13.7	17.5	14	15	-	-	-	-	-	-	-	-	-	-	-	
						4.4	0.4	139	19.5	8.0	8.0	31.5	31.5	100.8	100.8	7.7	7.7	16.9	17.5	14	15	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.4	0.4	144	19.5	8.0	8.0	31.5	31.5	100.8	100.8	7.7	7.7	16.9	17.5	14	15	-	-	-	-	-	-	-	-	-	-	-	-
						7.7	0.4	129	19.4	8.0	8.0	31.5	31.5	101.3	101.3	7.7	7.7	22.0	17.5	17	15	-	-	-	-	-	-	-	-	-	-	-	-
						7.7	0.4	137	19.4	8.0	8.0	31.5	31.5	101.3	101.3	7.7	7.7	22.0	17.5	17	15	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Fine	Moderate	07:43	9.1	Surface	1.0	0.4	168	21.9	21.9	7.8	7.8	31.0	31.0	97.7	97.7	7.1	7.1	10.2	10.0	17	16	-	-	-	-	817181	807820	-	-	-	-	
						1.0	0.4	172	21.9	7.8	7.8	31.0	31.0	97.7	97.7	7.1	7.1	10.4	10.0	16	17	-	-	-	-	-	-	-	-	-	-		
						4.6	0.3	170	21.9	7.8	7.8	31.0	31.0	97.6	97.6	7.1	7.1	10.2	10.0	18	17	-	-	-	-	-	-	-	-	-	-		
					Middle	4.6	0.3	183	21.9	7.8	7.8	31.0	31.0	97.6	97.6	7.1	7.1	10.2	10.0	18	17	-	-	-	-	-	-	-	-	-	-	-	
						8.1	0.3	147	21.8	7.8	7.8	30.7	30.7	98.8	98.8	7.3	7.3	9.4	10.0	18	17	-	-	-	-	-	-	-	-	-	-		
						8.1	0.3	151	21.8	7.8	7.8	30.7	30.7	98.8	98.8	7.3	7.3	9.5	10.0	19	17	-	-	-	-	-	-	-	-	-			
SR5A	Fine	Moderate	07:26	3.9	Surface	1.0	0.2	281	21.8	21.8	7.8	7.8	30.8	30.8	97.4	97.4	7.1	7.1	4.9	5.6	11	12	-	-	-	-	816573	810685	-	-	-	-	
						1.0	0.2	284	21.8	7.8	7.8	30.8	30.8	97.4	97.4	7.1	7.1	4.9	5.6	11	12	-	-	-	-	-	-	-	-				
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
						2.9	0.2	235	21.8	7.8	7.8	30.7	30.7	98.2	98.2	7.2	7.2	6.3	5.6	12	12	-	-	-	-	-	-	-	-				
						2.9	0.2	235	21.8	7.8	7.8																						

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

**Water Quality Monitoring Results on 01 December 16 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	13:44	8.2	Surface	1.0	0.8	144	22.4	22.4	7.9	7.9	31.6	31.6	103.3	103.3	7.5	7.5	8.4	7.5	14	14	87	87	815611	804257	<0.2	<0.2	0.5	0.5		
						1.0	0.8	148	22.4	7.9	7.9	31.6	31.6	103.3	103.3	7.5	7.5	8.5	7.5	14	14	87	87	90	90	815611	804257	<0.2	<0.2	0.6	0.6	
					Middle	4.1	0.7	160	22.3	22.3	7.9	7.9	31.5	31.5	103.0	103.0	7.4	7.4	9.1	7.4	9.1	7.4	14	14	89	91	815611	804257	<0.2	<0.2	0.4	0.4
						4.1	0.7	170	22.3	22.3	7.9	7.9	31.5	31.5	103.0	103.0	7.4	7.4	9.1	7.4	9.1	7.4	14	14	89	91	815611	804257	<0.2	<0.2	0.4	0.4
					Bottom	7.2	0.7	162	22.2	22.2	7.9	7.9	31.3	31.3	104.1	104.1	7.6	7.6	10.6	7.6	10.6	7.6	14	14	93	94	815611	804257	<0.2	<0.2	0.4	0.4
						7.2	0.7	166	22.2	22.2	7.9	7.9	31.3	31.3	104.1	104.1	7.6	7.6	10.5	7.6	10.5	7.6	14	14	93	94	815611	804257	<0.2	<0.2	0.5	0.5
C2	Sunny	Moderate	12:31	12.7	Surface	1.0	0.3	103	19.6	19.6	8.0	8.0	32.2	32.2	101.4	101.4	7.7	7.7	7.7	7.7	6	6	84	84	825676	806961	<0.2	<0.2	0.5	0.5		
						1.0	0.3	107	19.6	19.6	8.0	8.0	32.2	32.2	101.4	101.4	7.7	7.7	7.8	7.7	7.8	7.7	5	5	83	83	825676	806961	<0.2	<0.2	0.4	0.4
					Middle	6.4	0.2	143	19.5	19.5	8.0	8.0	32.4	32.4	100.7	100.7	7.6	7.6	11.9	7.6	11.9	7.6	6	6	92	92	825676	806961	<0.2	<0.2	0.4	0.4
						6.4	0.2	156	19.5	19.5	8.0	8.0	32.4	32.4	100.7	100.7	7.6	7.6	12.1	7.6	12.1	7.6	5	5	92	92	825676	806961	<0.2	<0.2	0.4	0.4
					Bottom	11.7	0.2	231	19.7	19.7	7.9	7.9	32.8	32.8	101.4	101.4	7.7	7.7	16.2	7.7	16.2	7.7	8	8	94	94	825676	806961	<0.2	<0.2	0.7	0.7
						11.7	0.2	251	19.7	19.7	7.9	7.9	32.8	32.8	101.4	101.4	7.7	7.7	16.2	7.7	16.2	7.7	8	8	93	93	825676	806961	<0.2	<0.2	0.6	0.6
C3	Sunny	Moderate	14:25	12.6	Surface	1.0	0.4	92	20.5	20.5	8.0	8.0	32.1	32.1	96.9	96.9	7.2	7.2	2.3	2.3	3	3	89	89	822121	817816	<0.2	<0.2	0.6	0.6		
						1.0	0.4	92	20.5	20.5	8.0	8.0	32.1	32.1	96.9	96.9	7.2	7.2	2.3	7.2	2.3	3	3	89	89	822121	817816	<0.2	<0.2	0.6	0.6	
					Middle	6.3	0.3	95	20.3	20.3	8.0	8.0	32.1	32.1	96.7	96.7	7.2	7.2	3.4	7.2	3.4	7.2	7	7	93	93	822121	817816	<0.2	<0.2	0.6	0.6
						6.3	0.3	102	20.3	20.3	8.0	8.0	32.1	32.1	96.7	96.7	7.2	7.2	3.4	7.2	3.4	7.2	6	6	93	93	822121	817816	<0.2	<0.2	0.6	0.6
					Bottom	11.6	0.4	93	20.3	20.3	8.0	8.0	32.0	32.0	97.8	98.1	7.3	7.3	4.6	7.3	4.6	7.3	6	6	95	95	822121	817816	<0.2	<0.2	0.6	0.6
						11.6	0.4	95	20.3	20.3	8.0	8.0	32.0	32.0	98.3	98.1	7.4	7.4	4.7	7.4	4.7	7.4	6	6	96	96	822121	817816	<0.2	<0.2	0.6	0.6
IM1	Fine	Moderate	13:21	7.3	Surface	1.0	0.7	153	22.1	22.1	7.9	7.9	31.6	31.6	102.8	102.8	7.5	7.5	10.0	10.0	17	17	86	86	818362	806461	<0.2	<0.2	0.9	0.9		
						1.0	0.7	160	22.1	22.1	7.9	7.9	31.6	31.6	102.8	102.8	7.5	7.5	10.0	7.5	10.0	7.5	16	16	87	87	818362	806461	<0.2	<0.2	0.9	0.9
					Middle	3.7	0.6	165	22.0	22.0	7.9	7.9	31.5	31.5	102.2	102.2	7.4	7.4	9.9	7.4	9.9	7.4	17	17	88	88	818362	806461	<0.2	<0.2	0.8	0.8
						3.7	0.6	170	22.0	22.0	7.9	7.9	31.5	31.5	102.2	102.2	7.4	7.4	9.9	7.4	9.9	7.4	18	18	89	89	818362	806461	<0.2	<0.2	0.8	0.8
					Bottom	6.3	0.6	178	21.9	21.9	7.9	7.9	31.5	31.5	102.2	102.2	7.4	7.4	10.6	7.4	10.6	7.4	17	17	90	90	818362	806461	<0.2	<0.2	0.8	0.8
						6.3	0.7	192	21.9	21.9	7.9	7.9	31.5	31.5	102.2	102.2	7.4	7.4	10.6	7.4	10.6	7.4	16	16	92	92	818362	806461	<0.2	<0.2	0.8	0.8
IM2	Fine	Moderate	13:14	8.3	Surface	1.0	0.6	182	22.0	22.0	7.9	7.9	31.6	31.6	102.3	102.3	7.4	7.4	14.9	14.9	21	21	84	84	818865	806186	<0.2	<0.2	0.6	0.6		
						1.0	0.6	192	22.0	22.0	7.9	7.9	31.6	31.6	102.3	102.3	7.4	7.4	14.9	7.4	14.9	7.4	22	22	85	85	818865	806186	<0.2	<0.2	0.7	0.7
					Middle	4.2	0.4	161	22.0	22.0	7.9	7.9	31.6	31.6	102.0	102.0	7.4	7.4	16.4	7.4	16.4	7.4	22	22	88	88	818865	806186	<0.2	<0.2	0.6	0.6
						4.2	0.5	165	22.0	22.0	7.9	7.9	31.6	31.6	102.0	102.0	7.4	7.4	16.4	7.4	16.4	7.4	23	23	88	88	818865	806186	<0.2	<0.2	0.6	0.6
					Bottom	7.3	0.5	163	22.0	22.0	7.9	7.9	31.5	31.5	102.0	102.0	7.4	7.4	16.8	7.4	16.8	7.4	29	29	92	92	818865	806186	<0.2	<0.2	1.0	1.0
						7.3	0.5	164	22.0	22.0	7.9	7.9	31.5	31.5	102.0	102.0	7.4	7.4	16.8	7.4	16.8	7.4	29	29	93	93	818865	806186	<0.2	<0.2	0.9	0.9
IM3	Fine	Moderate	13:02	8.8	Surface	1.0	0.7	157	22.0	22.0	7.9	7.9	31.6	31.6	102.6	102.6	7.5	7.5	12.9	12.9	19	19	85	85	819430	806035	<0.2	<0.2	0.7	0.7		
						1.0	0.8	159	22.0	22.0	7.9	7.9	31.6	31.6	102.6	102.6	7.5	7.5	13.0	7.5	13.0	7.5	20	20	85	85	819430	806035	<0.2	<0.2	0.8	0.8
					Middle	4.4	0.6	163	22.0	22.0	7.9	7.9	31.5	31.5	102.3	102.3	7.4	7.4	14.8	7.4	14.8	7.4	20	20	87	87	819430	806035	<0.2	<0.2	0.7	0.7
						4.4	0.7	172	22.0	22.0	7.9	7.9	31.5	31.5	102.3	102.3	7.4	7.4	14.9	7.4	14.9	7.4	22	22	88	88	819430	806035	<0.2	<0.2	0.6	0.6
					Bottom	7.8	0.8	166	22.0	22.0	7.9	7.9	31.4	31.5	102.6	102.6	7.5	7.5	16.5	7.5	16.5	7.5	26	26	92	92	819430	806035	<0.2	<0.2	0.5	0.5
						7.8	0.9	182	22.0	22.0	7.9	7.9	31.5	31.5	102.6	102.6	7.5	7.5	16.5	7.5	16.5	7.5	25	25	92	92	819430	806035	<0.2	<0.2	0.5	0.5
IM4	Fine	Moderate	12:54	8.1	Surface	1.0	0.7	149	22.1	22.2	7.9	7.9	31.5	31.5	103.4	103.4	7.5	7.5	9.8	9.8	15	15	86	86	819550	805039	<0.2	<0.2	1.1	1.1		
						1.0	0.8	162	22.2	22.2	7.9	7.9	31.5	31.5	103.4	103.4	7.5	7.5	9.8	7.5	9.8	7.5	14	14	87	87	819550	805039	<0.2	<0.2	1.0	1.0
					Middle	4.1	0.7	160	22.1	22.1	7.9	7.9	31.5	31.5	103.1	103.1	7.5	7.5	10.3	7.5	10.3	7.5	19	19	88	88	819550	805039	<0.2	<0.2	1.1	1.1
						4.1	0.7	166	22.1	22.1	7.9	7.9	31.5	31.5	103.1	103.1	7.5	7.5	10.3	7.5	10.3	7.5	19	19	88	88	819550	805039	<0.2	<0.2	1.2	1.2
					Bottom	7.1	0.8	166	22.1	22.1	7.9	7.9	31.5	31.5	102.8	102.8	7.5	7.5	14.3	7.5	14.3	7.5	24	24	91	91	819550	805039	<0.2	<0.2	1.1	1.1
						7.1	0.8	172	22.1	22.1	7.9	7.9	31.5	31.5	102.8	102.8	7.5	7.5	14.2	7.5	14.2	7.5	24	24	92	92	819550	805039	<0.2	<0.2	1.1	1.1
IM5	Fine	Moderate	12:46	6.9	Surface	1.0	0.7	142	22.0	22.0	7.9	7.9	31.3	31.3	102.5	102.5	7.5	7.5														

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

Water Quality Monitoring

Water Quality Monitoring Results on 01 December 16 during Mid-Ebb tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Sunny	Moderate	13:16	7.2	Surface	1.0	0.4	118	19.4	19.4	8.0	8.0	32.0	32.0	102.4	102.4	7.8	7.8	9.5	7.8	12	14	85	90	822104	808810	<0.2	<0.2	1.3	1.4			
						1.0	0.4	124	19.4	8.0	8.0	32.0	32.0	102.4	102.4	7.8	7.8	9.5	7.8	12	14	84	90	85	90	822104	808810	<0.2	<0.2	1.3	1.4		
					Middle	3.6	0.5	112	19.4	8.0	8.0	32.0	32.0	102.2	102.2	7.8	7.8	10.3	7.8	11.5	7.8	15	14	93	90	822104	808810	<0.2	<0.2	1.4	1.4		
						3.6	0.5	115	19.4	8.0	8.0	32.0	32.0	102.2	102.2	7.8	7.8	10.3	7.8	11.5	7.8	16	14	92	90	822104	808810	<0.2	<0.2	1.5	1.4		
					Bottom	6.2	0.4	123	19.2	8.0	8.0	32.0	32.0	101.7	101.7	7.8	7.8	14.7	7.8	7.8	7.8	14.7	7.8	14	14	94	90	822104	808810	<0.2	<0.2	1.4	1.4
						6.2	0.4	127	19.2	8.0	8.0	32.0	32.0	101.7	101.7	7.8	7.8	14.8	7.8	7.8	7.8	15	14	94	90	822104	808810	<0.2	<0.2	1.4	1.4		
IM10	Sunny	Moderate	13:24	7.4	Surface	1.0	0.4	109	19.6	19.6	8.1	8.1	32.0	32.0	103.8	103.8	7.9	7.9	7.0	8.0	10	13	85	91	822224	809828	<0.2	<0.2	1.3	1.2			
						1.0	0.4	113	19.6	8.1	8.1	32.0	32.0	103.8	103.8	7.9	7.9	7.0	8.0	8.7	7.9	11	13	85	91	822224	809828	<0.2	<0.2	1.5	1.2		
					Middle	3.7	0.3	128	19.6	8.1	8.1	32.0	32.0	103.9	103.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	12	13	93	91	822224	809828	<0.2	<0.2	1.2	1.1
						3.7	0.3	133	19.6	8.1	8.1	32.0	32.0	103.9	103.9	7.9	7.9	8.0	8.0	8.0	8.0	8.0	8.0	11	13	93	91	822224	809828	<0.2	<0.2	1.1	1.1
					Bottom	6.4	0.4	131	19.6	8.0	8.0	32.0	32.0	105.1	105.1	8.0	8.0	11.0	8.0	8.0	8.0	11.0	8.0	16	13	94	91	822224	809828	<0.2	<0.2	1.0	0.9
						6.4	0.4	132	19.6	8.0	8.0	32.0	32.0	105.1	105.1	8.0	8.0	11.0	8.0	8.0	8.0	11.0	8.0	16	13	95	91	822224	809828	<0.2	<0.2	1.0	0.9
IM11	Sunny	Moderate	13:31	8.7	Surface	1.0	0.4	124	19.9	19.9	8.1	8.1	32.0	32.0	103.0	103.0	7.8	7.8	4.8	7.8	7	9	86	91	821491	810543	<0.2	<0.2	1.2	1.1			
						1.0	0.4	127	19.9	8.1	8.1	32.0	32.0	103.0	103.0	7.8	7.8	4.8	7.8	5.4	7.8	5	9	87	91	821491	810543	<0.2	<0.2	1.2	1.1		
					Middle	4.4	0.3	133	19.9	8.1	8.1	32.0	32.0	102.8	102.8	7.8	7.8	5.2	7.8	5.4	7.8	9	9	92	91	821491	810543	<0.2	<0.2	1.1	1.0		
						4.4	0.3	133	19.9	8.1	8.1	32.0	32.0	102.8	102.8	7.8	7.8	5.2	7.8	5.4	7.8	9	9	93	91	821491	810543	<0.2	<0.2	1.0	1.0		
					Bottom	7.7	0.3	122	19.7	8.0	8.0	32.0	32.0	104.2	104.2	7.9	7.9	6.1	7.9	7.9	7.9	6.1	7.9	13	9	94	91	821491	810543	<0.2	<0.2	1.2	1.1
						7.7	0.3	128	19.7	8.0	8.0	32.0	32.0	104.2	104.2	7.9	7.9	6.1	7.9	7.9	7.9	6.1	7.9	12	9	95	91	821491	810543	<0.2	<0.2	1.1	1.1
IM12	Sunny	Moderate	13:39	9.2	Surface	1.0	0.3	136	20.0	20.0	8.0	8.0	32.0	32.0	100.2	100.2	7.5	7.5	5.2	7.5	11	12	88	92	821171	811507	<0.2	<0.2	1.1	1.1			
						1.0	0.3	141	20.0	8.0	8.0	32.0	32.0	100.2	100.2	7.5	7.5	5.2	7.5	6.9	7.5	12	12	87	92	821171	811507	<0.2	<0.2	1.1	1.1		
					Middle	4.6	0.3	125	19.9	8.0	8.0	32.0	32.0	99.4	99.4	7.5	7.5	6.2	7.5	6.9	7.5	12	12	93	92	821171	811507	<0.2	<0.2	1.0	0.9		
						4.6	0.3	125	19.9	8.0	8.0	32.0	32.0	99.4	99.4	7.5	7.5	6.3	7.5	6.9	7.5	11	12	93	92	821171	811507	<0.2	<0.2	0.9	0.9		
					Bottom	8.2	0.3	118	19.7	8.0	8.0	32.0	32.0	99.2	99.2	7.5	7.5	9.3	7.5	7.5	7.5	9.3	7.5	13	12	95	92	821171	811507	<0.2	<0.2	1.1	1.3
						8.2	0.4	121	19.7	8.0	8.0	32.0	32.0	99.2	99.2	7.5	7.5	9.3	7.5	7.5	7.5	9.3	7.5	13	12	95	92	821171	811507	<0.2	<0.2	1.3	1.3
SR2	Sunny	Moderate	14:03	4.6	Surface	1.0	0.2	178	20.0	20.0	8.0	8.0	32.1	32.1	102.3	102.3	7.7	7.7	4.3	7.7	7	8	88	92	821450	814183	<0.2	<0.2	1.1	1.3			
						1.0	0.2	189	20.0	8.0	8.0	32.1	32.1	102.3	102.3	7.7	7.7	4.3	7.7	5.8	7.7	8	8	88	92	821450	814183	<0.2	<0.2	1.2	1.3		
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814183	-	<0.2	-	-	
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	821450	814183	-	<0.2	-	-	
					Bottom	3.6	0.3	162	19.7	8.0	8.0	32.0	32.0	103.5	103.5	7.8	7.8	7.2	7.8	7.8	7.8	7.2	7.8	8	8	95	92	821450	814183	<0.2	<0.2	1.4	1.3
						3.6	0.3	167	19.7	8.0	8.0	32.0	32.0	103.5	103.5	7.8	7.8	7.2	7.8	7.8	7.8	7.2	7.8	9	8	95	92	821450	814183	<0.2	<0.2	1.3	1.3
SR3	Sunny	Moderate	13:01	9.1	Surface	1.0	0.4	99	19.3	19.3	8.0	8.0	32.1	32.1	104.4	104.4	8.0	8.0	12.7	8.0	16	19	-	-	822145	807566	-	-	-	-			
						1.0	0.4	105	19.3	8.0	8.0	32.1	32.1	104.3	104.3	8.0	8.0	12.7	8.0	8.0	8.0	16	19	-	-	822145	807566	-	-	-	-		
					Middle	4.6	0.3	98	19.3	8.0	8.0	32.1	32.1	104.1	104.1	7.9	7.9	14.5	7.9	8.0	8.0	18	19	-	-	822145	807566	-	-	-	-		
						4.6	0.4	104	19.3	8.0	8.0	32.1	32.1	104.1	104.1	7.9	7.9	14.6	7.9	8.0	8.0	18	19	-	-	822145	807566	-	-	-	-		
					Bottom	8.1	0.3	103	19.2	8.0	8.0	32.0	32.0	103.4	103.4	7.9	7.9	24.9	7.9	7.9	7.9	24.9	7.9	23	19	-	-	822145	807566	-	-	-	-
						8.1	0.3	109	19.2	8.0	8.0	32.0	32.0	103.4	103.4	7.9	7.9	25.0	7.9	7.9	7.9	25.0	7.9	22	19	-	-	822145	807566	-	-	-	-
SR4A	Fine	Moderate	14:07	9.2	Surface	1.0	0.4	89	22.1	22.1	7.9	7.9	31.5	31.5	107.3	107.3	7.8	7.8	9.3	7.8	14	16	-	-	817186	807817	-	-	-	-			
						1.0	0.4	95	22.1	7.9	7.9	31.5	31.5	107.4	107.4	7.8	7.8	9.3	7.8	9.7	7.8	14	16	-	-	817186	807817	-	-	-	-		
					Middle	4.6	0.3	108	22.1	7.9	7.9	31.5	31.5	103.6	103.6	7.5	7.5	8.9	7.5	7.6	7.6	17	16	-	-	817186	807817	-	-	-	-		
						4.6	0.3	112	22.1	7.9	7.9	31.5	31.5	103.6	103.6	7.5	7.5	8.9	7.5	7.6	7.6	17	16	-	-	817186	807817	-	-	-	-		
					Bottom	8.2	0.4	132	22.0	7.9	7.9	31.3	31.3	103.7	103.7	7.6	7.6	10.8	7.6	7.6	7.6	10.8	7.6	17	16	-	-	817186	807817	-	-	-	-
						8.2	0.4	135	22.0	7.9	7.9	31.3	31.3	103.8	103.8	7.6	7.6	10.7	7.6	7.6	7.6	10.7	7.6	17	16	-	-	817186	807817	-	-	-	-
SR5A	Fine	Moderate	14:24	3.3	Surface	1.0	0.1	190	22.1	22.1	7.8	7.8	30.8	30.8	100.5	100.5	7.3	7.3	5.1	7.3	8	10	-	-	816606	810706	-	-	-	-			
						1.0	0.1	207	22.1	7.8	7.8	30.8	30.8	100.5	100.5	7.3	7.3	5.1	7.3	5.9	7.3	9	10	-	-</								

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

**Water Quality Monitoring Results on 03 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	09:23	8.2	Surface	1.0	0.6	77	22.0	22.0	7.9	7.9	31.3	31.3	102.3	102.3	7.4	7.4	12.5	16.1	21	27	85	88	815610	804235	<0.2	<0.2	0.7	0.7		
						1.0	0.7	80	22.0	7.9	7.9	31.3	31.3	102.3	102.3	7.4	12.4		20		85		<0.2				0.7					
					Middle	4.1	0.6	65	22.1	22.1	7.8	7.8	31.3	31.3	101.8	101.8	7.4	7.4	17.4	16.1	27	27	88	88	815610	804235	<0.2	<0.2	0.8	0.7		
						4.1	0.6	66	22.1	22.1	7.8	7.8	31.3	31.3	101.8	101.8	7.4		17.4		28		88				<0.2		0.8			
					Bottom	7.2	0.6	89	22.1	22.1	7.8	7.8	30.8	30.8	103.4	103.4	7.5	7.5	18.5	16.1	32	27	91	88	815610	804235	<0.2	<0.2	0.6	0.6		
						7.2	0.6	89	22.1	22.1	7.8	7.8	30.8	30.8	103.4	103.4	7.5		18.5		34		92				<0.2		0.6			
C2	Cloudy	Moderate	10:50	12.1	Surface	1.0	0.3	258	19.4	19.4	8.0	8.0	29.6	29.6	100.2	100.2	7.7	7.7	4.2	6.8	6	8	84	90	825690	806951	<0.2	<0.2	0.7	0.8		
						1.0	0.3	267	19.4	19.4	8.0	8.0	29.6	29.6	100.2	100.2	7.7		4.2		7		85				<0.2		0.7			
					Middle	6.1	0.5	141	19.5	19.5	7.9	7.9	30.1	30.1	99.9	99.9	7.7	7.7	6.7	6.8	9	8	92	90	825690	806951	<0.2	<0.2	0.6	0.8		
						6.1	0.5	148	19.5	19.5	7.9	7.9	30.1	30.1	99.9	99.9	7.7		6.7		8		92				<0.2		0.7			
					Bottom	11.1	0.7	101	19.5	19.5	7.9	7.9	30.2	30.2	100.8	100.8	7.7	7.7	9.4	6.8	9	8	95	90	825690	806951	<0.2	<0.2	0.9	0.9		
						11.1	0.7	101	19.5	19.5	7.9	7.9	30.2	30.2	100.8	100.8	7.7		9.4		9		94				<0.2		0.9			
C3	Cloudy	Moderate	08:56	11.8	Surface	1.0	0.5	287	19.8	19.8	8.0	8.0	30.2	30.2	99.8	99.9	7.6	7.7	7.0	8.0	10	11	89	92	822099	817821	<0.2	<0.2	0.8	0.8		
						1.0	0.5	307	19.8	19.8	8.0	8.0	30.2	30.2	99.9	99.9	7.6		7.1		10		89				<0.2		0.7			
					Middle	5.9	0.4	285	19.8	19.8	8.0	8.0	30.1	30.1	100.6	100.7	7.7	7.7	7.6	8.0	10	11	93	92	822099	817821	<0.2	<0.2	1.0	0.8		
						5.9	0.4	290	19.8	19.8	8.0	8.0	30.1	30.1	100.8	100.7	7.7		7.9		10		93				<0.2		0.9			
					Bottom	10.8	0.4	263	19.7	19.7	8.0	8.0	30.1	30.1	102.0	102.0	7.8	7.8	9.0	8.0	11	11	94	92	822099	817821	<0.2	<0.2	0.7	0.6		
						10.8	0.4	282	19.7	19.7	8.0	8.0	30.1	30.1	102.0	102.0	7.8		9.1		12		95				<0.2		0.6			
IM1	Cloudy	Moderate	09:45	7.5	Surface	1.0	0.5	110	22.0	22.0	7.8	7.8	31.1	31.1	101.2	101.2	7.4	7.4	10.6	15.4	21	22	85	91	818338	806443	<0.2	<0.2	0.9	0.9		
						1.0	0.5	112	22.0	22.0	7.8	7.8	31.1	31.1	101.2	101.2	7.4		10.6		21		86				<0.2		0.8			
					Middle	3.8	0.5	123	21.9	21.9	7.8	7.8	31.1	31.1	100.4	100.4	7.3	7.3	15.0	15.4	20	22	93	92	818338	806443	<0.2	<0.2	0.9	0.9		
						3.8	0.5	125	21.9	21.9	7.8	7.8	31.1	31.1	100.4	100.4	7.3		15.1		19		94				<0.2		0.9			
					Bottom	6.5	0.4	154	21.9	21.9	7.8	7.8	31.0	31.0	100.2	100.2	7.3	7.3	20.6	15.4	26	22	94	92	818338	806443	<0.2	<0.2	0.9	0.9		
						6.5	0.5	157	21.9	21.9	7.8	7.8	31.0	31.0	100.2	100.2	7.3		20.6		27		95				<0.2		0.9			
IM2	Cloudy	Moderate	09:51	8.3	Surface	1.0	0.6	124	21.9	21.9	7.9	7.9	31.2	31.2	101.2	101.2	7.4	7.4	14.4	17.1	24	27	85	88	818851	806190	<0.2	<0.2	0.9	0.8		
						1.0	0.6	134	21.9	21.9	7.9	7.9	31.2	31.2	101.2	101.2	7.4		14.3		24		85				<0.2		0.9			
					Middle	4.2	0.5	118	21.9	21.9	7.8	7.8	31.1	31.1	101.1	101.1	7.4	7.4	15.4	17.1	26	27	87	88	818851	806190	<0.2	<0.2	0.8	0.8		
						4.2	0.6	123	21.9	21.9	7.8	7.8	31.1	31.1	101.0	101.0	7.4		15.4		26		86				<0.2		0.8			
					Bottom	7.3	0.5	121	21.9	21.9	7.8	7.8	30.9	30.9	101.6	101.6	7.4	7.4	21.4	17.1	30	27	91	88	818851	806190	<0.2	<0.2	0.8	0.8		
						7.3	0.5	126	21.9	21.9	7.8	7.8	30.9	30.9	101.6	101.6	7.4		21.6		30		91				<0.2		0.8			
IM3	Cloudy	Moderate	09:58	8.5	Surface	1.0	0.5	86	22.0	22.0	7.9	7.9	31.1	31.1	100.4	100.4	7.3	7.3	13.2	15.3	20	22	86	88	819409	806020	<0.2	<0.2	0.9	0.9		
						1.0	0.5	87	22.0	22.0	7.9	7.9	31.1	31.1	100.4	100.4	7.3		13.2		19		86				<0.2		0.9			
					Middle	4.3	0.5	95	22.0	22.0	7.8	7.8	31.0	31.0	100.4	100.4	7.3	7.3	15.0	15.3	22	22	88	88	819409	806020	<0.2	<0.2	0.8	0.9		
						4.3	0.5	102	22.0	22.0	7.8	7.8	31.0	31.0	100.4	100.4	7.3		14.7		21		89				<0.2		0.8			
					Bottom	7.5	0.5	77	22.0	22.0	7.8	7.8	30.8	30.8	101.3	101.3	7.4	7.4	17.7	15.3	25	22	90	88	819409	806020	<0.2	<0.2	1.0	0.9		
						7.5	0.5	83	22.0	22.0	7.8	7.8	30.8	30.8	101.3	101.3	7.4		17.8		24		91				<0.2		0.9			
IM4	Cloudy	Moderate	10:09	7.9	Surface	1.0	0.6	97	22.0	22.0	7.9	7.9	31.2	31.2	101.6	101.6	7.4	7.4	10.9	15.0	23	24	87	90	819557	805025	<0.2	<0.2	0.9	0.8		
						1.0	0.6	101	22.0	22.0	7.9	7.9	31.2	31.2	101.6	101.6	7.4		11.0		24		86				<0.2		0.9			
					Middle	4.0	0.5	87	22.0	22.0	7.9	7.9	31.2	31.2	101.3	101.3	7.4	7.4	12.3	15.0	23	24	89	90	819557	805025	<0.2	<0.2	0.8	0.8		
						4.0	0.6	92	22.0	22.0	7.9	7.9	31.2	31.2	101.3	101.3	7.4		12.4		24		90				<0.2		0.8			
					Bottom	6.9	0.5	107	21.9	21.9	7.9	7.9	31.2	31.2	100.6	100.6	7.3	7.3	21.5	15.0	23	24	93	90	819557	805025	<0.2	<0.2	0.8	0.8		
						6.9	0.5	113	21.9	21.9	7.9	7.9	31.2	31.2	100.6	100.6	7.3		21.7		24		93				<0.2		0.8			
IM5	Cloudy	Moderate	10:16	6.8	Surface	1.0	0.5	162	22.2	22.2	7.9	7.9	31.0	31.0	100.4	100.5	7.3	7.3	6.3	9.6	11	16	85	90	820568	804919	<0.2	<0.2	1.0	1.0		
						1.0	0.5	174	22.2	22.2	7.9	7.9	31.0	31.0	100.5	100.5	7.3		6.4		11		86				<0.2		1.1			
					Middle	3.4	0.6	105	22.1	22.1	7.9	7.9	31.0	31.0	100.4	100.4	7.3	7.3	8.7	9.6	10	16	90	90	820568	804919	<0.2	<0.2	0.9	0.9		
						3.4	0.6	114	22.1	22.1	7.9	7.9	31.0	31.0	100.4	100.4	7.3		8.8		10		91				<0.2		0.9			
					Bottom	5.8	0.4	135	22.1	22.1	7.9	7.9	30.9	30.9	100.9	100.9	7.4	7.4	13.7	9.6	26	16	94	90	820568	804919	<0.2	<0.2	1.2	1.0		
						5.8	0.5	144	22.1	22.1	7.8	7.8	30.9	30.9	100.9	100.9	7.4		13.6		25		94				<0.2		1.0			
IM6	Cloudy	Moderate	10:23	6.9	Surface	1.0	0.6	62	22.2	22.2	7.9	7.9	30.9	30.9	100.3	100.3	7.3	7.3	6.0	8.6	11	12	85	89	821072	805828	<0.2					

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 03 December 16 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	10:06	7.0	Surface	1.0	0.3	175	19.4	8.0	8.0	30.3	30.3	100.6	100.6	7.7	7.7	6.4	7.7	7	86	91	822107	808805	<0.2	<0.2	1.4	1.2				
						1.0	0.4	186	19.4	8.0	8.0	30.3	30.3	100.6	100.6	7.7	7.7	6.4	8.0	6	85	91	822107	808805	<0.2	<0.2	1.3	1.2				
					Middle	3.5	0.4	205	19.4	8.0	8.0	30.4	30.4	100.8	100.8	7.7	7.7	8.4	8.0	10	92	91	822107	808805	<0.2	<0.2	1.2	1.2				
						3.5	0.5	205	19.4	8.0	8.0	30.4	30.4	100.8	100.8	7.7	7.7	8.4	8.0	10	93	91	822107	808805	<0.2	<0.2	1.1	1.1				
					Bottom	6.0	0.4	175	19.5	8.0	8.0	30.4	30.4	102.6	102.6	7.9	7.9	9.1	7.9	13	94	95	822107	808805	<0.2	<0.2	1.1	1.2				
						6.0	0.4	179	19.5	8.0	8.0	30.4	30.4	102.6	102.6	7.9	7.9	9.1	7.9	13	95	95	822107	808805	<0.2	<0.2	1.2	1.2				
IM10	Cloudy	Moderate	09:56	7.6	Surface	1.0	0.5	283	19.2	8.0	8.0	30.9	30.9	101.8	101.8	7.8	7.8	12.8	7.8	14	86	91	822232	809840	<0.2	<0.2	0.8	0.9				
						1.0	0.5	306	19.2	8.0	8.0	30.9	30.9	101.8	101.8	7.8	7.8	12.8	7.8	13	86	91	822232	809840	<0.2	<0.2	0.8	0.8				
					Middle	3.8	0.5	282	19.2	8.0	8.0	30.9	30.9	101.6	101.6	7.8	7.8	14.8	7.8	18	93	91	822232	809840	<0.2	<0.2	0.8	0.7				
						3.8	0.5	290	19.2	8.0	8.0	30.9	30.9	101.6	101.6	7.8	7.8	14.8	7.8	18	92	91	822232	809840	<0.2	<0.2	0.7	0.7				
					Bottom	6.6	0.4	277	19.2	8.0	8.0	30.9	30.9	101.6	101.6	7.8	7.8	20.6	7.8	22	95	95	822232	809840	<0.2	<0.2	1.1	0.9				
						6.6	0.4	283	19.2	8.0	8.0	30.9	30.9	101.6	101.6	7.8	7.8	20.6	7.8	21	95	95	822232	809840	<0.2	<0.2	0.9	0.9				
IM11	Cloudy	Moderate	09:50	8.2	Surface	1.0	0.5	295	19.3	8.0	8.0	30.9	30.9	101.8	101.8	7.8	7.8	13.4	7.8	14	87	92	821510	810551	<0.2	<0.2	0.8	0.8				
						1.0	0.5	317	19.3	8.0	8.0	30.9	30.9	101.8	101.8	7.8	7.8	13.4	7.8	15	87	92	821510	810551	<0.2	<0.2	0.8	0.8				
					Middle	4.1	0.5	289	19.2	8.0	8.0	30.9	30.9	101.7	101.7	7.8	7.8	15.2	7.8	15	93	92	821510	810551	<0.2	<0.2	0.8	0.8				
						4.1	0.5	293	19.2	8.0	8.0	30.9	30.9	101.7	101.7	7.8	7.8	15.2	7.8	17	93	92	821510	810551	<0.2	<0.2	0.8	0.8				
					Bottom	7.2	0.4	288	19.2	8.0	8.0	30.9	30.9	101.6	101.6	7.8	7.8	20.9	7.8	21	94	95	821510	810551	<0.2	<0.2	0.8	0.8				
						7.2	0.4	291	19.2	8.0	8.0	30.9	30.9	101.6	101.6	7.8	7.8	20.9	7.8	21	95	95	821510	810551	<0.2	<0.2	0.8	0.8				
IM12	Cloudy	Moderate	09:42	7.9	Surface	1.0	0.7	275	19.4	8.0	8.0	31.1	31.1	101.4	101.4	7.8	7.8	13.7	7.8	19	87	92	821147	811524	<0.2	<0.2	0.6	0.7				
						1.0	0.7	301	19.4	8.0	8.0	31.1	31.1	101.4	101.4	7.8	7.8	13.7	7.8	20	88	92	821147	811524	<0.2	<0.2	0.6	0.6				
					Middle	4.0	0.6	267	19.4	8.0	8.0	31.1	31.1	100.9	100.9	7.7	7.7	19.1	7.7	22	93	92	821147	811524	<0.2	<0.2	0.7	0.7				
						4.0	0.6	275	19.4	8.0	8.0	31.1	31.1	100.9	100.9	7.7	7.7	19.1	7.7	20	93	92	821147	811524	<0.2	<0.2	0.7	0.7				
					Bottom	6.9	0.5	273	19.4	8.0	8.0	31.0	31.0	101.1	101.1	7.7	7.7	23.8	7.7	23	95	95	821147	811524	<0.2	<0.2	0.9	0.9				
						6.9	0.6	275	19.4	8.0	8.0	31.0	31.0	101.1	101.1	7.7	7.7	23.8	7.7	21	95	95	821147	811524	<0.2	<0.2	0.9	0.9				
SR2	Cloudy	Moderate	09:20	4.7	Surface	1.0	0.3	210	19.4	8.0	8.0	30.5	30.5	102.4	102.4	7.9	7.9	18.0	7.9	23	88	92	821473	814146	<0.2	<0.2	0.7	0.7				
						1.0	0.3	219	19.4	8.0	8.0	30.5	30.5	102.4	102.4	7.9	7.9	17.6	7.9	21	88	92	821473	814146	<0.2	<0.2	0.7	0.7				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821473	814146	<0.2	<0.2	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821473	814146	<0.2	<0.2	-	-
					Bottom	3.7	0.2	203	19.4	8.0	8.0	30.5	30.5	103.8	103.8	8.0	8.0	20.9	8.0	31	95	95	821473	814146	<0.2	<0.2	0.7	0.7				
						3.7	0.2	217	19.4	8.0	8.0	30.5	30.5	103.9	103.9	8.0	8.0	20.7	8.0	28	95	95	821473	814146	<0.2	<0.2	0.7	0.7				
SR3	Cloudy	Moderate	10:21	9.1	Surface	1.0	0.3	185	19.4	8.0	8.0	29.6	29.6	100.2	100.2	7.7	7.7	5.8	7.7	8	-	-	822155	807590	-	-	-	-				
						1.0	0.3	201	19.4	8.0	8.0	29.6	29.6	100.2	100.2	7.7	7.7	5.9	7.7	7	-	-	822155	807590	-	-	-	-				
					Middle	4.6	0.3	186	19.4	8.0	8.0	29.6	29.6	99.7	99.7	7.7	7.7	6.5	7.7	12	-	-	822155	807590	-	-	-	-				
						4.6	0.3	204	19.4	8.0	8.0	29.6	29.6	99.7	99.7	7.7	7.7	6.5	7.7	12	-	-	822155	807590	-	-	-	-				
					Bottom	8.1	0.4	169	19.4	8.0	8.0	29.7	29.3	100.1	100.2	7.7	7.7	9.8	7.7	12	-	-	822155	807590	-	-	-	-				
						8.1	0.4	174	19.4	7.9	7.8	28.8	29.3	100.2	100.2	7.8	7.8	9.7	7.8	13	-	-	822155	807590	-	-	-	-				
SR4A	Cloudy	Moderate	09:00	8.3	Surface	1.0	0.4	228	22.0	7.8	7.8	31.1	31.1	99.0	99.0	7.2	7.2	9.4	7.2	19	-	-	817201	807813	-	-	-	-				
						1.0	0.4	234	22.0	7.8	7.8	31.1	31.1	99.0	99.0	7.2	7.2	9.4	7.2	20	-	-	817201	807813	-	-	-	-				
					Middle	4.2	0.4	231	22.0	7.8	7.8	31.0	31.0	98.9	98.9	7.2	7.2	11.6	7.2	18	-	-	817201	807813	-	-	-	-				
						4.2	0.4	236	22.0	7.8	7.8	31.0	31.0	98.9	98.9	7.2	7.2	11.6	7.2	20	-	-	817201	807813	-	-	-	-				
					Bottom	7.3	0.3	216	22.0	7.8	7.8	30.8	30.8	99.2	99.2	7.2	7.2	11.5	7.2	19	-	-	817201	807813	-	-	-	-				
						7.3	0.3	232	22.0	7.8	7.8	30.8	30.8	99.2	99.2	7.3	7.3	11.5	7.3	19	-	-	817201	807813	-	-	-	-				
SR5A	Cloudy	Moderate	08:42	3.7	Surface	1.0	0.2	295	22.0	7.8	7.8	30.9	30.9	99.1	99.1	7.2	7.2	10.4	7.2	19	-	-	816612	810687	-	-	-	-				
						1.0	0.2	309	22.0	7.8	7.8	30.9	30.9	99.1	99.1	7.2	7.2	10.4	7.2	18	-	-	816612	810687	-	-	-	-				
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810687	-	-	-	-		
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816612	810687	-	-	-	-		
					Bottom	2.7	0.2	296	22.0	7.8	7.8	30.8	30.8	99.5	99.6	7.3	7.3	11.3	7.3	21	-	-	816612	810687	-	-	-	-				
						2.7	0.2	299	22.0	7.8	7.8	30.8	30.8	99.6	99.6	7.3	7.3	11.3	7.3	21	-	-	816612	810687	-	-	-	-				
SR6	Cloudy	Moderate	08:19	3.8	Surface	1.0	0.2	244	22.4	7.8	7.8	30.8	30.8	97.7	97.7	7.1	7.1	6.2	7.1	13	-	-	817916	814678	-	-	-	-				
						1.0	0.2	247	22.4	7.8	7.8	30.8	30.8	97.7	97.7	7.1	7.1	6.2	7.1	14	-	-	817916</									

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 03 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:53	8.8	Surface	1.0	0.3	148	22.5	22.5	8.0	8.0	31.7	31.7	102.1	102.1	7.4	7.3	9.3	7.3	20	20	85	85	815604	804231	<0.2	<0.2	0.7	0.6		
						1.0	0.3	158	22.5	8.0	8.0	31.7	31.7	102.1	102.1	7.4	7.3	9.4	7.3	21	21	86	86									
					Middle	4.4	0.3	150	22.5	8.0	8.0	31.6	31.6	102.0	102.0	7.3	7.3	10.5	7.3	17	17	89	89	89	89	<0.2	<0.2	0.5	0.6			
						4.4	0.3	156	22.5	8.0	8.0	31.6	31.6	102.0	102.0	7.3	7.3	10.4	7.3	17	17	89	89	89	89	<0.2	<0.2	0.6	0.6			
					Bottom	7.8	0.3	156	22.5	7.9	7.9	31.4	31.4	103.0	103.0	7.4	7.4	12.6	7.4	21	21	92	92	92	92	<0.2	<0.2	0.7	0.6			
						7.8	0.3	162	22.5	7.9	7.9	31.3	31.4	103.0	103.0	7.4	7.4	12.6	7.4	23	23	92	92	92	92	<0.2	<0.2	0.6	0.6			
C2	Cloudy	Moderate	13:40	12.0	Surface	1.0	0.2	176	19.5	19.5	7.9	7.9	33.4	33.4	100.7	100.7	7.6	7.6	4.2	7.6	4	4	83	83	825694	806962	<0.2	<0.2	0.5	0.7		
						1.0	0.2	191	19.5	7.9	7.9	33.4	33.4	100.7	100.7	7.6	7.6	4.2	7.6	4	4	84	84	84	84	<0.2	<0.2	0.5	0.6			
					Middle	6.0	0.2	167	19.5	7.9	7.9	33.8	33.8	100.0	100.0	7.5	7.5	6.4	7.5	4	4	93	93	93	93	<0.2	<0.2	0.6	0.7			
						6.0	0.2	180	19.5	7.9	7.9	33.8	33.8	100.0	100.0	7.5	7.5	6.4	7.5	5	5	92	92	92	92	<0.2	<0.2	0.7	0.8			
					Bottom	11.0	0.2	105	19.4	7.9	7.9	34.1	34.1	100.6	100.6	7.6	7.6	13.3	7.6	6	6	94	94	94	94	<0.2	<0.2	0.8	0.8			
						11.0	0.3	108	19.4	7.9	7.9	34.1	34.1	100.6	100.6	7.6	7.6	13.3	7.6	6	6	93	93	93	93	<0.2	<0.2	0.8	0.8			
C3	Cloudy	Moderate	15:38	12.6	Surface	1.0	0.4	99	20.3	20.3	8.0	8.0	32.9	32.9	95.7	95.7	7.1	7.1	2.7	7.1	4	4	89	89	822107	817796	<0.2	<0.2	0.6	0.6		
						1.0	0.4	106	20.3	8.0	8.0	32.9	32.9	95.7	95.7	7.1	7.1	2.7	7.1	4	4	89	89	89	89	<0.2	<0.2	0.6	0.6			
					Middle	6.3	0.4	99	20.2	8.0	8.0	33.0	33.0	95.1	95.2	7.1	7.1	3.4	7.1	8	8	93	93	93	93	<0.2	<0.2	0.6	0.6			
						6.3	0.4	104	20.2	8.0	8.0	33.0	33.0	95.2	95.2	7.1	7.1	3.5	7.1	6	6	93	93	93	93	<0.2	<0.2	0.6	0.6			
					Bottom	11.6	0.5	121	20.2	8.0	8.0	33.0	33.0	97.2	97.2	7.3	7.3	4.9	7.3	9	9	96	96	96	96	<0.2	<0.2	0.5	0.6			
						11.6	0.6	122	20.2	8.0	8.0	33.0	33.0	97.2	97.2	7.3	7.3	4.9	7.3	7	7	95	95	95	95	<0.2	<0.2	0.6	0.6			
IM1	Cloudy	Moderate	14:30	7.6	Surface	1.0	0.3	126	22.3	22.3	7.9	7.9	31.7	31.7	102.6	102.6	7.4	7.4	10.7	7.4	17	17	87	87	818355	806454	<0.2	<0.2	0.6	0.6		
						1.0	0.3	130	22.3	7.9	7.9	31.7	31.7	102.6	102.6	7.4	7.4	10.7	7.4	16	16	87	87	87	87	<0.2	<0.2	0.6	0.6			
					Middle	3.8	0.3	152	22.2	7.9	7.9	31.6	31.6	101.9	101.9	7.4	7.4	13.3	7.4	20	20	90	90	90	90	<0.2	<0.2	0.5	0.4			
						3.8	0.3	163	22.2	7.9	7.9	31.6	31.6	101.9	101.9	7.4	7.4	13.4	7.4	19	19	91	91	91	91	<0.2	<0.2	0.4	0.6			
					Bottom	6.6	0.3	157	22.1	7.9	7.9	31.4	31.4	102.4	102.5	7.4	7.4	15.9	7.4	19	19	93	93	93	93	<0.2	<0.2	0.6	0.6			
						6.6	0.3	171	22.1	7.9	7.9	31.4	31.4	102.5	102.5	7.4	7.4	15.9	7.4	20	20	92	92	92	92	<0.2	<0.2	0.6	0.6			
IM2	Cloudy	Moderate	14:24	8.7	Surface	1.0	0.3	155	22.4	22.4	7.9	7.9	31.7	31.7	102.4	102.4	7.4	7.4	12.2	7.4	21	21	87	87	818870	806191	<0.2	<0.2	0.5	0.6		
						1.0	0.4	160	22.4	7.9	7.9	31.7	31.7	102.4	102.4	7.4	7.4	12.2	7.4	20	20	87	87	87	87	<0.2	<0.2	0.5	0.5			
					Middle	4.4	0.3	158	22.4	7.9	7.9	31.7	31.7	102.2	102.2	7.4	7.4	13.8	7.4	24	24	90	90	90	90	<0.2	<0.2	0.6	0.6			
						4.4	0.3	160	22.4	7.9	7.9	31.7	31.7	102.2	102.2	7.4	7.4	13.8	7.4	23	23	90	90	90	90	<0.2	<0.2	0.6	0.6			
					Bottom	7.7	0.3	162	22.3	7.9	7.9	31.6	31.6	102.2	102.2	7.4	7.4	19.0	7.4	24	24	93	93	93	93	<0.2	<0.2	0.5	0.6			
						7.7	0.3	175	22.3	7.9	7.9	31.5	31.6	102.2	102.2	7.4	7.4	18.9	7.4	24	24	92	92	92	92	<0.2	<0.2	0.6	0.6			
IM3	Cloudy	Moderate	14:17	8.8	Surface	1.0	0.4	117	22.2	22.2	7.9	7.9	31.5	31.5	102.6	102.6	7.4	7.4	11.7	7.4	20	20	85	85	819426	806012	<0.2	<0.2	0.7	0.6		
						1.0	0.4	125	22.2	7.9	7.9	31.5	31.5	102.6	102.6	7.4	7.4	11.7	7.4	20	20	86	86	86	86	<0.2	<0.2	0.7	0.7			
					Middle	4.4	0.4	157	22.1	7.9	7.9	31.5	31.5	102.3	102.3	7.4	7.4	13.5	7.4	21	21	91	91	91	91	<0.2	<0.2	0.6	0.6			
						4.4	0.4	157	22.2	7.9	7.9	31.5	31.5	102.2	102.3	7.4	7.4	13.6	7.4	21	21	91	91	91	91	<0.2	<0.2	0.6	0.6			
					Bottom	7.8	0.3	154	22.1	7.9	7.9	31.4	31.4	102.4	102.4	7.4	7.4	20.6	7.4	29	29	92	92	92	92	<0.2	<0.2	0.5	0.6			
						7.8	0.3	159	22.1	7.9	7.9	31.4	31.4	102.4	102.4	7.4	7.4	20.4	7.4	28	28	93	93	93	93	<0.2	<0.2	0.5	0.6			
IM4	Cloudy	Moderate	14:09	8.3	Surface	1.0	0.3	131	22.1	22.1	7.9	7.9	31.5	31.5	102.9	102.9	7.5	7.5	11.0	7.5	17	17	86	86	819584	805053	<0.2	<0.2	0.6	0.7		
						1.0	0.4	131	22.1	7.9	7.9	31.5	31.5	102.8	102.9	7.5	7.5	11.0	7.5	18	18	87	87	87	87	<0.2	<0.2	0.7	0.7			
					Middle	4.2	0.3	150	22.1	7.9	7.9	31.5	31.5	102.5	102.5	7.4	7.4	12.6	7.4	29	29	89	89	89	89	<0.2	<0.2	0.6	0.6			
						4.2	0.4	155	22.1	7.9	7.9	31.5	31.5	102.5	102.5	7.4	7.4	12.6	7.4	30	30	89	89	89	89	<0.2	<0.2	0.6	0.6			
					Bottom	7.3	0.3	158	22.1	7.9	7.9	31.5	31.5	101.6	101.6	7.4	7.4	20.9	7.4	37	37	92	92	92	92	<0.2	<0.2	0.8	0.8			
						7.3	0.3	165	22.1	7.9	7.9	31.5	31.5	101.6	101.6	7.4	7.4	20.8	7.4	37	37	93	93	93	93	<0.2	<0.2	0.8	0.8			
IM5	Cloudy	Moderate	13:59	7.2	Surface	1.0	0.3	98	22.1	22.1	7.9	7.9	31.4	31.4	103.5	103.5	7.5	7.5	8.2	7.5	17	17	87	87	820566	804910	<0.2	<0.2	0.7	0.6		
						1.0	0.4	99	22.1	7.9	7.9	31.4	31.4	103.5	103.5	7.5	7.5	8.2	7.5	16	16	87	87	87	87	<0.2	<0.2	0.7	0.7			
					Middle	3.6	0.3	137	22.0	7.9	7.9	31.4	31.4	102.3	102.3	7.4	7.4	13.0	7.4	22	22	90	90	90	90	<0.2	<0.2	0.6	0.6			
						3.6	0.3	141	22.0	7.9	7.9	31.4	31.4	102.3	102.3	7.4	7.4	13.1	7.4	22	22	91	91	91	91	<0.2	<0.2	0.6	0.6			
					Bottom	6.2	0.3	152	22.0	7.9	7.9	31.3	31.3	101.7	101.7	7.4	7.4	21.6	7.4	24	24	93	93	93	93	<0.2	<0.2	0.5	0.6			
						6.2	0.3	165	22.0																							



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

**Water Quality Monitoring Results on 06 December 16 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	12:00	8.3	Surface	1.0	0.5	100	22.2	22.2	7.8	7.8	29.9	29.9	102.1	102.1	7.5	7.5	6.5	6.4	13	12	85	85	89	89	815638	804242	<0.2	<0.2	0.9	0.9
						1.0	0.6	100	22.2	22.2	7.8	7.8	29.9	29.9	102.1	102.1	7.5	7.5	6.4	6.3	12	11	85	85	89	89			<0.2	<0.2	0.8	0.8
						4.2	0.5	97	22.2	22.2	7.8	7.8	29.8	29.8	102.0	102.1	7.5	7.5	6.7	6.7	14	13	89	88	89	88			<0.2	<0.2	0.9	0.9
					4.2	0.5	102	22.2	22.2	7.8	7.8	29.8	29.8	102.1	102.1	7.5	7.5	6.8	6.8	13	12	88	87	89	88	<0.2			<0.2	1.0	1.0	
					7.3	0.7	68	22.2	22.2	7.8	7.8	29.4	29.4	102.4	102.5	7.5	7.5	7.3	7.3	18	17	93	92	93	92	<0.2			<0.2	1.0	1.0	
					7.3	0.7	68	22.2	22.2	7.8	7.8	29.3	29.4	102.6	102.5	7.5	7.5	7.4	7.4	18	17	93	92	93	92	<0.2			<0.2	1.0	1.0	
C2	Cloudy	Moderate	13:32	12.5	Surface	1.0	0.3	133	19.5	19.5	7.9	7.9	27.9	27.9	100.6	100.6	7.8	7.8	0.9	0.9	8	8	84	85	90	90	825685	806953	<0.2	<0.2	1.6	1.6
						1.0	0.3	141	19.5	19.5	7.9	7.9	27.9	27.9	100.6	100.6	7.8	7.8	0.9	0.9	8	8	85	85	90	90			<0.2	<0.2	1.8	1.8
						6.3	0.5	195	19.4	19.4	7.9	7.9	27.9	27.9	98.5	98.5	7.7	7.7	3.8	3.8	7	7	92	92	92	92			<0.2	<0.2	1.8	1.8
					6.3	0.5	200	19.4	19.4	7.9	7.9	27.9	27.9	98.5	98.5	7.7	7.7	3.8	3.8	6	6	92	92	92	92	<0.2			<0.2	1.9	1.9	
					11.5	0.5	210	19.6	19.6	7.8	7.8	28.6	28.6	98.8	98.8	7.6	7.6	6.8	6.8	9	9	94	94	94	94	<0.2			<0.2	1.7	1.7	
					11.5	0.5	213	19.6	19.6	7.8	7.8	28.6	28.6	98.8	98.8	7.6	7.6	6.8	6.8	8	8	94	94	94	94	<0.2			<0.2	1.6	1.6	
C3	Cloudy	Moderate	11:31	12.1	Surface	1.0	0.5	271	19.8	19.8	7.9	7.9	29.4	29.4	100.1	100.1	7.7	7.7	1.4	1.4	7	7	88	89	92	92	822125	817796	<0.2	<0.2	1.6	1.4
						1.0	0.5	275	19.8	19.8	7.9	7.9	29.4	29.4	100.1	100.1	7.7	7.7	1.4	1.4	7	7	89	89	92	92			<0.2	<0.2	1.4	1.4
						6.1	0.5	275	20.0	20.0	7.8	7.8	29.9	29.9	97.4	97.4	7.4	7.4	8.9	8.9	7	7	92	92	93	93			<0.2	<0.2	1.1	1.1
					6.1	0.6	278	20.0	20.0	7.8	7.8	29.9	29.9	97.4	97.4	7.4	7.4	9.0	9.0	6	6	93	93	93	93	<0.2			<0.2	1.1	1.1	
					11.1	0.4	275	20.0	20.0	7.8	7.8	30.0	30.0	102.4	102.5	7.8	7.8	12.9	12.9	10	10	94	94	95	95	<0.2			<0.2	1.2	1.2	
					11.1	0.4	283	20.0	20.0	7.8	7.8	30.0	30.0	102.5	102.5	7.8	7.8	13.0	13.0	9	9	95	95	95	95	<0.2			<0.2	1.1	1.1	
IM1	Cloudy	Moderate	12:23	7.4	Surface	1.0	0.6	121	22.1	22.1	7.8	7.8	29.5	29.6	102.1	102.1	7.5	7.5	4.7	4.7	8	8	85	86	89	89	818361	806477	<0.2	<0.2	1.3	1.3
						1.0	0.7	124	22.1	22.1	7.8	7.8	29.6	29.6	102.1	102.1	7.5	7.5	4.7	4.7	8	8	86	86	89	89			<0.2	<0.2	1.4	1.4
						3.7	0.6	137	22.1	22.1	7.8	7.8	29.4	29.4	101.7	101.7	7.5	7.5	7.5	7.5	10	10	89	89	91	91			<0.2	<0.2	1.2	1.2
					3.7	0.7	137	22.1	22.1	7.8	7.8	29.4	29.4	101.7	101.7	7.5	7.5	7.5	7.5	9	9	89	89	91	91	<0.2			<0.2	1.1	1.1	
					6.4	0.6	154	22.1	22.1	7.7	7.7	28.6	28.6	102.8	102.9	7.6	7.6	9.3	9.3	24	24	91	91	92	92	<0.2			<0.2	1.4	1.4	
					6.4	0.7	160	22.1	22.1	7.7	7.7	28.6	28.6	102.9	102.9	7.6	7.6	9.2	9.2	23	23	92	92	92	92	<0.2			<0.2	1.3	1.3	
IM2	Cloudy	Moderate	12:30	8.2	Surface	1.0	0.6	103	22.1	22.1	7.8	7.8	29.6	29.6	101.7	101.7	7.5	7.5	5.4	5.4	10	10	85	86	89	89	818839	806179	<0.2	<0.2	1.3	1.3
						1.0	0.6	104	22.1	22.1	7.8	7.8	29.6	29.6	101.7	101.7	7.5	7.5	5.4	5.4	10	10	86	86	89	89			<0.2	<0.2	1.4	1.4
						4.1	0.6	128	22.2	22.2	7.8	7.8	29.6	29.6	101.4	101.4	7.4	7.4	6.0	6.0	13	13	89	89	91	91			<0.2	<0.2	1.2	1.2
					4.1	0.6	128	22.1	22.1	7.8	7.8	29.6	29.6	101.4	101.4	7.4	7.4	6.1	6.1	14	14	89	89	91	91	<0.2			<0.2	1.2	1.2	
					7.2	0.6	137	22.1	22.1	7.8	7.8	29.4	29.4	101.5	101.5	7.5	7.5	9.1	9.1	20	20	91	91	92	92	<0.2			<0.2	1.3	1.3	
					7.2	0.6	143	22.1	22.1	7.8	7.8	29.4	29.4	101.6	101.6	7.5	7.5	9.1	9.1	21	21	91	91	92	92	<0.2			<0.2	1.2	1.2	
IM3	Cloudy	Moderate	12:37	8.5	Surface	1.0	0.6	155	22.1	22.1	7.8	7.8	29.5	29.5	101.4	101.4	7.4	7.4	5.6	5.6	12	12	85	85	88	88	819398	806002	<0.2	<0.2	1.4	1.4
						1.0	0.6	167	22.1	22.1	7.8	7.8	29.5	29.5	101.4	101.4	7.4	7.4	5.6	5.6	13	13	85	85	88	88			<0.2	<0.2	1.5	1.5
						4.3	0.6	139	22.1	22.1	7.8	7.8	29.4	29.4	101.2	101.2	7.4	7.4	6.1	6.1	14	14	88	88	91	91			<0.2	<0.2	1.3	1.3
					4.3	0.6	143	22.1	22.1	7.8	7.8	29.4	29.4	101.2	101.2	7.4	7.4	6.1	6.1	13	13	88	88	91	91	<0.2			<0.2	1.4	1.4	
					7.5	0.6	151	22.1	22.2	7.8	7.8	29.0	29.0	102.3	102.3	7.5	7.5	6.4	6.4	14	14	91	91	92	92	<0.2			<0.2	1.6	1.6	
					7.5	0.6	156	22.2	22.2	7.8	7.8	29.0	29.0	102.3	102.3	7.5	7.5	6.4	6.4	15	15	92	92	92	92	<0.2			<0.2	1.6	1.6	
IM4	Cloudy	Rough	12:46	7.9	Surface	1.0	0.8	121	22.1	22.1	7.8	7.8	29.6	29.6	100.9	100.9	7.4	7.4	7.5	7.5	14	14	85	86	89	89	819558	805054	<0.2	<0.2	1.3	1.3
						1.0	0.9	127	22.1	22.1	7.8	7.8	29.6	29.6	100.9	100.9	7.4	7.4	7.5	7.5	15	15	86	86	89	89			<0.2	<0.2	1.3	1.3
						4.0	0.9	131	22.1	22.1	7.8	7.8	29.5	29.5	100.6	100.6	7.4	7.4	10.5	10.5	18	18	88	88	91	91			<0.2	<0.2	1.6	1.6
					4.0	1.0	134	22.1	22.1	7.8	7.8	29.5	29.5	100.6	100.6	7.4	7.4	10.6	10.6	17	17	89	89	92	92	<0.2			<0.2	1.4	1.4	
					6.9	0.8	134	22.1	22.1	7.8	7.8	28.9	28.9	102.3	102.3	7.5	7.5	10.9	10.9	28	28	92	92	93	93	<0.2			<0.2	1.4	1.4	
					6.9	0.8	145	22.1	22.1	7.8	7.8	28.9	28.9	102.3	102.3	7.5	7.5	10.9	10.9	26	26	93	93	93	93	<0.2			<0.2	1.5	1.5	
IM5	Cloudy	Moderate	12:55	6.9	Surface	1.0	0.6	110	22.0	22.0	7.8	7.8	29.5	29.5	101.4	101.4	7.5	7.5	6.9	6.9	21	21	86	87	89	89	820579	804937	<0.2	<0.2	1.6	1.6
						1.0	0.6	117	22.0	22.0	7.8	7.8	29.5	29.5	101.4	101.4	7.5	7.5	6.9	6.9	22	22	87	87	89	89			<0.2	<0.2	1.3	1.3
						3.5	0.6	106	22.1	22.1	7.8	7.8	29.4	29.4	101.1	101.1	7.4	7.4	8.4	8.4	22	22	88	88	91	91			<0.2	<0.2	1.5	1.5
					3.5	0.6	112	22.1	22.1	7.8	7.8	29.4	29.4	101.1	101.1	7.4	7.4	8.4	8.4	20												

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

**Water Quality Monitoring Results on 06 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	12:45	7.2	Surface	1.0	0.3	182	19.6	19.6	7.9	7.9	29.3	29.3	101.9	101.9	7.9	7.9	13.5	13.5	22	23	86	86	91	822098	808793	<0.2	1.1	<0.2	1.4				
						1.0	0.3	188	19.6	7.9	7.9	29.3	29.3	101.9	101.9	7.9	7.9	13.5	13.5	23	23	86	86	<0.2				1.3	<0.2	1.4					
					Middle	3.6	0.3	176	19.6	7.9	7.9	29.3	29.3	102.1	102.1	7.9	7.9	14.0	14.0	13.4	13.4	22	23	92				92	<0.2	1.3	<0.2	1.4			
						3.6	0.3	185	19.6	7.9	7.9	29.3	29.3	102.1	102.1	7.9	7.9	14.0	14.0	13.4	13.4	22	23	92				92	<0.2	1.3	<0.2	1.4			
					Bottom	6.2	0.2	198	19.5	7.9	7.9	29.3	29.3	102.8	102.8	7.9	7.9	12.8	12.8	7.9	7.9	12.8	12.8	23				23	94	94	<0.2	1.3	<0.2	1.5	
						6.2	0.3	206	19.5	7.9	7.9	29.3	29.3	102.8	102.8	7.9	7.9	12.8	12.8	7.9	7.9	12.8	12.8	23				23	94	94	<0.2	1.5	<0.2	1.5	
IM10	Cloudy	Moderate	12:35	7.2	Surface	1.0	0.4	298	19.7	19.7	7.9	7.9	29.6	29.6	101.5	101.5	7.8	7.8	5.3	5.3	6	6	86	86	91	822234	809837	<0.2	1.2	<0.2	1.0				
						1.0	0.4	327	19.7	7.9	7.9	29.6	29.6	101.5	101.5	7.8	7.8	5.3	5.3	6	6	87	87	<0.2				1.0	<0.2	1.5					
					Middle	3.6	0.4	294	19.8	7.9	7.9	29.7	29.7	101.2	101.2	7.8	7.8	7.2	7.2	8.4	8.4	6	7	92				92	<0.2	1.5	<0.2	1.5			
						3.6	0.4	308	19.8	7.9	7.9	29.7	29.7	101.2	101.2	7.8	7.8	7.2	7.2	8.4	8.4	6	7	92				92	<0.2	1.5	<0.2	1.5			
					Bottom	6.2	0.2	256	19.8	7.9	7.9	30.0	30.0	102.0	102.0	7.8	7.8	12.8	12.8	7.8	7.8	12.8	12.8	12				12	94	94	<0.2	1.3	<0.2	1.3	
						6.2	0.3	278	19.8	7.9	7.9	30.0	30.0	102.0	102.0	7.8	7.8	12.8	12.8	7.8	7.8	12.8	12.8	11				11	94	94	<0.2	1.3	<0.2	1.3	
IM11	Cloudy	Moderate	12:27	7.9	Surface	1.0	0.5	261	19.9	19.9	7.9	7.9	29.8	29.8	99.9	99.9	7.6	7.6	7.7	7.7	15	14	87	87	91	821506	810540	<0.2	1.4	<0.2	1.6				
						1.0	0.5	268	19.9	7.9	7.9	29.8	29.8	99.9	99.9	7.6	7.6	7.7	7.7	10.2	10.2	14	13	93				93	<0.2	1.3	<0.2	1.1			
					Middle	4.0	0.4	257	19.9	7.9	7.9	29.8	29.8	99.4	99.4	7.6	7.6	9.2	9.2	10.2	10.2	13	14	93				93	<0.2	1.1	<0.2	1.1			
						4.0	0.4	261	19.9	7.9	7.9	29.8	29.8	99.4	99.4	7.6	7.6	9.2	9.2	10.2	10.2	13	14	93				93	<0.2	1.1	<0.2	1.1			
					Bottom	6.9	0.3	235	19.9	7.9	7.9	29.9	29.9	99.0	99.0	7.6	7.6	13.6	13.6	7.6	7.6	13.6	13.6	15				16	94	94	<0.2	1.4	<0.2	1.5	
						6.9	0.3	250	19.9	7.9	7.9	29.9	29.9	99.0	99.0	7.6	7.6	13.6	13.6	7.6	7.6	13.6	13.6	16				16	94	94	<0.2	1.5	<0.2	1.5	
IM12	Cloudy	Moderate	12:13	8.8	Surface	1.0	0.5	264	19.7	19.7	7.9	7.9	29.5	29.5	102.0	102.0	7.8	7.8	8.2	8.2	16	16	87	88	92	821172	811509	<0.2	1.5	<0.2	1.4				
						1.0	0.5	283	19.7	7.9	7.9	29.5	29.5	102.0	102.0	7.8	7.8	8.2	8.2	11.1	11.1	16	16	93				92	<0.2	1.3	<0.2	1.2			
					Middle	4.4	0.4	273	19.7	7.9	7.9	29.6	29.6	102.7	102.7	7.9	7.9	10.7	10.7	11.1	11.1	16	16	93				92	<0.2	1.3	<0.2	1.2			
						4.4	0.4	273	19.7	7.9	7.9	29.6	29.6	102.7	102.7	7.9	7.9	10.7	10.7	11.1	11.1	16	16	93				92	<0.2	1.3	<0.2	1.2			
					Bottom	7.8	0.4	266	19.7	7.9	7.9	29.6	29.6	105.5	105.6	8.1	8.1	14.3	14.3	8.1	8.1	14.3	14.3	17				16	95	94	<0.2	1.3	<0.2	1.2	
						7.8	0.4	278	19.7	7.9	7.9	29.6	29.6	105.6	105.6	8.1	8.1	14.3	14.3	8.1	8.1	14.3	14.3	16				16	94	94	<0.2	1.2	<0.2	1.2	
SR2	Cloudy	Moderate	11:52	4.6	Surface	1.0	0.3	118	19.7	19.7	7.9	7.9	29.4	29.4	104.8	104.8	8.1	8.1	6.7	6.7	11	12	88	88	91	821468	814178	<0.2	1.3	<0.2	1.4				
						1.0	0.3	121	19.7	7.9	7.9	29.4	29.4	104.8	104.8	8.1	8.1	6.7	6.7	6.6	6.6	12	12	88				88	<0.2	1.4	<0.2	1.4			
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	3.6	0.3	142	19.7	7.8	7.8	29.4	29.4	110.2	110.2	8.5	8.5	6.5	6.5	8.5	8.5	6.5	6.5	13				12	94	94	<0.2	1.2	<0.2	1.3	
						3.6	0.3	142	19.7	7.8	7.8	29.4	29.4	110.2	110.2	8.5	8.5	6.5	6.5	8.5	8.5	6.5	6.5	12				12	94	94	<0.2	1.3	<0.2	1.3	
SR3	Cloudy	Moderate	13:00	8.8	Surface	1.0	0.4	150	19.7	19.7	7.9	7.9	29.0	29.0	101.3	101.3	7.8	7.8	4.0	4.0	7	8	-	-	-	822155	807568	-	-	-	-				
						1.0	0.4	158	19.7	7.9	7.9	29.0	29.0	101.3	101.3	7.8	7.8	4.0	4.0	5.2	5.2	8	8	-				-	-	-					
					Middle	4.4	0.4	130	19.7	7.9	7.9	29.1	29.1	101.2	101.2	7.8	7.8	4.4	4.4	5.2	5.2	8	8	-				-	-	-	-	-	-	-	
						4.4	0.4	139	19.7	7.9	7.9	29.1	29.1	101.2	101.2	7.8	7.8	4.4	4.4	5.2	5.2	8	8	-				-	-	-	-	-	-	-	
					Bottom	7.8	0.4	119	19.6	7.9	7.9	29.4	29.4	101.6	101.6	7.8	7.8	7.2	7.2	7.8	7.8	7.2	7.2	10				11	-	-	-	-	-	-	-
						7.8	0.5	126	19.6	7.9	7.9	29.4	29.4	101.6	101.6	7.8	7.8	7.2	7.2	7.8	7.8	7.2	7.2	11				11	-	-	-	-	-	-	-
SR4A	Cloudy	Moderate	11:37	9.1	Surface	1.0	0.3	176	22.4	22.4	7.8	7.8	30.1	30.1	99.6	99.6	7.3	7.3	7.5	7.5	13	13	-	-	-	817171	807799	-	-	-	-				
						1.0	0.3	182	22.4	7.8	7.8	30.1	30.1	99.6	99.6	7.3	7.3	7.5	7.5	8.1	8.1	13	13	-				-	-	-					
					Middle	4.6	0.3	178	22.4	7.8	7.8	30.0	30.0	99.4	99.4	7.3	7.3	8.2	8.2	8.1	8.1	16	16	-				-	-	-	-	-			
						4.6	0.3	192	22.4	7.8	7.8	30.0	30.0	99.4	99.4	7.3	7.3	8.3	8.3	8.1	8.1	16	16	-				-	-	-	-	-			
					Bottom	8.1	0.3	189	22.4	7.8	7.8	29.9	29.9	100.3	100.3	7.3	7.3	8.6	8.6	7.3	7.3	8.6	8.6	20				20	-	-	-	-	-	-	
						8.1	0.3	192	22.4	7.8	7.8	29.8	29.9	100.3	100.3	7.3	7.3	8.6	8.6	7.3	7.3	8.6	8.6	20				20	-	-	-	-	-	-	
SR5A	Cloudy	Moderate	11:20	3.7	Surface	1.0	0.2	312	22.4	22.4	7.8	7.8	30.0	30.0	100.0	100.0	7.3	7.3	6.1	6.1	13	12	-	-	-	816605	810683	-	-	-	-				
						1.0	0.2	321	22.4	7.8	7.8	30.0	30.0	100.0	100.0	7.3	7.3	6.1	6.1	6.3	6.3	13	13	-				-	-	-					
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
					Bottom	2.7	0.2	309	22.4	7.7	7.7	29.4	29.4	100.9	100.9	7.4	7.4	6.4	6.4	7.4	7.4	6.4	6.4	14				14	-	-	-	-	-	-	
						2.7	0.2	334	22.4	7.7	7.7	29.4	29.4	100.9	100.9	7.4	7.4																		

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

**Water Quality Monitoring Results on 06 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	17:39	8.5	Surface	1.0	0.7	149	22.3	22.4	7.9	7.9	30.8	30.8	102.3	102.3	7.4	7.4	5.6	7.4	8	8	86	90	815626	804229	<0.2	<0.2	1.0	1.1				
						1.0	0.7	163	22.4	7.9	7.9	30.8	30.8	102.3	102.3	7.4	7.4	5.6	7.4	9	9	87	9	87	9	87	9	87	9	87	9	87	9	
					Middle	4.3	0.7	146	22.3	22.3	7.9	7.9	30.7	30.7	102.3	102.3	7.4	7.4	5.7	7.4	5.9	9	9	9	9	90	90	815626	804229	<0.2	<0.2	1.0	1.1	
						4.3	0.7	146	22.3	22.3	7.9	7.9	30.7	30.7	102.2	102.3	7.4	7.4	5.7	7.4	5.9	9	9	9	9	91	90	815626	804229	<0.2	<0.2	1.0	1.1	
					Bottom	7.5	0.5	182	22.4	22.4	7.9	7.9	30.6	30.6	102.7	102.7	7.4	7.5	6.5	7.5	7.5	6.5	9	10	9	10	92	90	815626	804229	<0.2	<0.2	1.3	1.3
						7.5	0.5	185	22.4	22.4	7.9	7.9	30.6	30.6	102.7	102.7	7.4	7.5	6.5	7.5	7.5	6.5	9	10	9	10	93	90	815626	804229	<0.2	<0.2	1.3	1.3
C2	Cloudy	Moderate	16:31	12.4	Surface	1.0	0.2	141	19.4	19.4	7.8	7.8	28.1	28.1	100.3	100.3	7.8	7.8	5.7	7.8	4	5	83	90	825668	806953	<0.2	<0.2	1.3	1.2				
						1.0	0.2	144	19.4	19.4	7.8	7.8	28.1	28.1	100.3	100.3	7.8	7.8	5.7	7.8	7.8	5.7	9	5	84	90	825668	806953	<0.2	<0.2	1.2	1.2		
					Middle	6.2	0.3	221	19.6	19.6	7.9	7.9	28.9	28.9	100.1	100.1	7.7	7.7	6.4	7.7	9.1	6.4	5	6	92	90	825668	806953	<0.2	<0.2	1.1	1.2		
						6.2	0.3	241	19.6	19.6	7.9	7.9	28.9	28.9	100.1	100.1	7.7	7.7	6.4	7.7	9.1	6.4	5	6	92	90	825668	806953	<0.2	<0.2	1.0	1.2		
					Bottom	11.4	0.3	234	19.6	19.6	7.9	7.9	29.4	29.4	100.5	100.5	7.7	7.7	15.1	7.7	7.7	15.1	5	6	93	90	825668	806953	<0.2	<0.2	1.4	1.4		
						11.4	0.3	253	19.6	19.6	7.9	7.9	29.4	29.4	100.5	100.5	7.7	7.7	15.1	7.7	7.7	15.1	5	6	93	90	825668	806953	<0.2	<0.2	1.4	1.4		
C3	Cloudy	Moderate	18:28	12.2	Surface	1.0	0.2	171	20.1	20.1	8.0	8.0	30.8	30.8	92.9	92.9	7.0	7.0	2.8	2.8	4	5	89	92	822128	817818	<0.2	<0.2	0.7	0.8				
						1.0	0.2	182	20.1	20.1	8.0	8.0	30.8	30.8	92.9	92.9	7.0	7.0	2.8	2.8	2.7	2.8	4	5	88	92	822128	817818	<0.2	<0.2	0.7	0.8		
					Middle	6.1	0.2	159	20.1	20.1	7.9	7.9	30.9	30.9	93.2	93.2	7.1	7.1	2.4	7.1	2.7	2.4	3	4	93	92	822128	817818	<0.2	<0.2	0.7	0.8		
						6.1	0.2	162	20.1	20.1	7.9	7.9	30.9	30.9	93.2	93.2	7.1	7.1	2.4	7.1	2.7	2.4	3	4	93	92	822128	817818	<0.2	<0.2	0.7	0.8		
					Bottom	11.2	0.2	164	20.1	20.1	7.9	7.9	31.0	31.0	94.2	95.6	7.1	7.1	2.9	7.2	7.2	2.9	4	4	95	92	822128	817818	<0.2	<0.2	1.1	0.9		
						11.2	0.2	165	20.1	20.1	7.9	7.9	30.9	31.0	97.0	95.6	7.3	7.3	2.9	7.2	7.2	2.9	4	4	94	92	822128	817818	<0.2	<0.2	0.9	0.9		
IM1	Cloudy	Rough	17:16	7.5	Surface	1.0	0.7	174	22.1	22.1	7.9	7.9	30.0	30.0	101.8	101.8	7.5	7.5	6.8	7.5	11	12	86	91	818357	806456	<0.2	<0.2	1.2	1.2				
						1.0	0.7	189	22.1	22.1	7.9	7.9	30.0	30.0	101.8	101.8	7.5	7.5	6.8	7.5	7.5	6.8	11	12	87	91	818357	806456	<0.2	<0.2	1.2	1.2		
					Middle	3.8	0.7	165	22.1	22.1	7.9	7.9	30.0	30.0	102.2	102.2	7.5	7.5	7.1	7.5	7.2	7.1	10	11	92	91	818357	806456	<0.2	<0.2	1.2	1.2		
						3.8	0.8	173	22.1	22.1	7.9	7.9	30.0	30.0	102.2	102.2	7.5	7.5	7.1	7.5	7.2	7.1	10	11	92	91	818357	806456	<0.2	<0.2	1.2	1.2		
					Bottom	6.5	0.7	150	22.1	22.1	7.8	7.8	29.6	29.6	104.5	104.5	7.7	7.7	7.6	7.7	7.7	7.6	10	10	94	91	818357	806456	<0.2	<0.2	1.4	1.2		
						6.5	0.8	156	22.1	22.1	7.8	7.8	29.6	29.6	104.5	104.5	7.7	7.7	7.6	7.7	7.7	7.6	10	10	95	91	818357	806456	<0.2	<0.2	1.2	1.2		
IM2	Cloudy	Rough	17:09	8.6	Surface	1.0	0.7	156	22.1	22.1	7.9	7.9	30.1	30.1	102.3	102.3	7.5	7.5	5.9	7.5	8	9	86	89	818852	806186	<0.2	<0.2	1.1	1.0				
						1.0	0.7	162	22.1	22.1	7.9	7.9	30.1	30.1	102.2	102.3	7.5	7.5	5.8	7.5	6.2	5.8	9	9	86	89	818852	806186	<0.2	<0.2	1.0	1.0		
					Middle	4.3	0.6	174	22.1	22.1	7.9	7.9	30.0	30.0	102.4	102.4	7.5	7.5	6.3	7.5	6.2	6.3	9	8	89	89	818852	806186	<0.2	<0.2	0.8	0.9		
						4.3	0.6	174	22.1	22.1	7.9	7.9	30.0	30.0	102.4	102.4	7.5	7.5	6.3	7.5	6.2	6.3	8	8	90	89	818852	806186	<0.2	<0.2	0.9	0.9		
					Bottom	7.6	0.6	153	22.1	22.1	7.8	7.8	29.6	29.6	104.0	104.1	7.6	7.6	6.5	7.6	7.6	6.5	8	8	92	89	818852	806186	<0.2	<0.2	1.0	1.0		
						7.6	0.6	154	22.1	22.1	7.8	7.8	29.6	29.6	104.1	104.1	7.6	7.6	6.5	7.6	7.6	6.5	8	8	93	89	818852	806186	<0.2	<0.2	1.0	1.0		
IM3	Cloudy	Rough	17:02	8.4	Surface	1.0	0.5	155	22.1	22.1	7.9	7.9	30.1	30.1	101.9	102.0	7.5	7.5	5.9	7.5	8	9	85	89	819416	806009	<0.2	<0.2	1.2	1.1				
						1.0	0.6	169	22.1	22.1	7.9	7.9	30.1	30.1	102.0	102.0	7.5	7.5	5.9	7.5	6.1	5.9	9	8	86	89	819416	806009	<0.2	<0.2	1.3	1.1		
					Middle	4.2	0.7	167	22.1	22.1	7.9	7.9	30.1	30.1	101.9	101.9	7.5	7.5	6.0	7.5	6.1	6.0	9	9	89	89	819416	806009	<0.2	<0.2	1.0	1.0		
						4.2	0.7	178	22.1	22.1	7.9	7.9	30.1	30.1	101.9	101.9	7.5	7.5	6.0	7.5	6.1	6.0	9	8	89	89	819416	806009	<0.2	<0.2	1.0	1.0		
					Bottom	7.4	0.7	145	22.1	22.1	7.8	7.8	29.8	29.8	103.0	103.0	7.6	7.6	6.4	7.6	7.6	6.4	8	7	92	89	819416	806009	<0.2	<0.2	1.0	1.0		
						7.4	0.7	156	22.1	22.1	7.8	7.8	29.8	29.8	103.0	103.0	7.6	7.6	6.4	7.6	7.6	6.4	7	7	93	89	819416	806009	<0.2	<0.2	1.1	1.1		
IM4	Cloudy	Rough	16:54	8.1	Surface	1.0	0.8	162	22.1	22.1	7.9	7.9	30.0	30.0	101.3	101.3	7.4	7.4	9.9	7.4	12	12	86	89	819561	805048	<0.2	<0.2	1.4	1.4				
						1.0	0.8	166	22.1	22.1	7.9	7.9	30.0	30.0	101.3	101.3	7.4	7.4	9.9	7.4	10.1	9.9	12	13	86	89	819561	805048	<0.2	<0.2	1.5	1.4		
					Middle	4.1	0.8	144	22.1	22.1	7.9	7.9	29.9	29.9	101.3	101.4	7.4	7.4	9.8	7.4	10.1	9.8	13	14	89	89	819561	805048	<0.2	<0.2	1.2	1.2		
						4.1	0.8	154	22.1	22.1	7.9	7.9	29.9	29.9	101.4	101.4	7.4	7.4	9.8	7.4	10.1	9.8	13	14	89	89	819561	805048	<0.2	<0.2	1.2	1.2		
					Bottom	7.1	0.7	151	22.1	22.1	7.8	7.8	29.4	29.4	102.9	102.9	7.6	7.6	10.5	7.6	7.6	10.5	12	13	91	89	819561	805048	<0.2	<0.2	1.4	1.4		
						7.1	0.8	164	22.1	22.1	7.8	7.8	29.4	29.4	102.9	102.9	7.6	7.6	10.6	7.6	7.6	10.6	13	13	93	89	819561	805048	<0.2	<0.2	1.5	1.5		
IM5	Cloudy	Rough	16:47	6.8	Surface	1.0	0.9	159	22.0	22.0	7.8	7.8	29.7	29.7	102.5																			

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 06 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Cloudy	Moderate	17:19	7.3	Surface	1.0	0.4	134	19.4	19.4	7.9	7.9	29.2	29.2	102.2	102.2	7.9	7.9	4.1	7.9	6	6	85	90	822104	808809	<0.2	<0.2	1.3	1.5				
						1.0	0.4	137	19.4	7.9	7.9	29.2	29.2	102.2	102.2	7.9	7.9	4.1	7.9	6	6	85	90	<0.2			<0.2	1.4	1.5					
					Middle	3.7	0.3	136	19.4	7.9	7.9	29.3	29.3	102.2	102.2	7.9	7.9	4.5	4.5	6	6	93	6	92			90	<0.2	<0.2	1.5	1.5			
						3.7	0.4	146	19.4	7.9	7.9	29.3	29.3	102.2	102.2	7.9	7.9	4.5	4.5	6	6	93	6	92			90	<0.2	<0.2	1.6	1.5			
					Bottom	6.3	0.3	149	19.4	7.9	7.9	29.4	29.4	102.3	102.3	7.9	7.9	5.0	7.9	6	6	93	6	93			90	<0.2	<0.2	1.4	1.5			
						6.3	0.3	158	19.4	7.9	7.9	29.4	29.4	102.3	102.3	7.9	7.9	5.0	7.9	7	7	94	6	94			90	<0.2	<0.2	1.5	1.5			
IM10	Cloudy	Moderate	17:26	7.4	Surface	1.0	0.3	132	19.4	19.4	7.9	7.9	29.2	29.2	103.6	103.7	8.0	8.0	3.8	8.0	6	5	86	91	822229	809839	<0.2	<0.2	1.1	1.2				
						1.0	0.3	144	19.4	7.9	7.9	29.2	29.2	103.7	103.7	8.0	8.0	3.8	8.0	5	5	86	91	<0.2			<0.2	1.3	1.2					
					Middle	3.7	0.3	141	19.5	7.9	7.9	29.5	29.5	104.0	104.0	8.0	8.0	3.8	3.9	6	5	93	5	92			91	<0.2	<0.2	1.0	1.2			
						3.7	0.3	155	19.5	7.9	7.9	29.5	29.5	104.0	104.0	8.0	8.0	3.8	3.9	5	5	92	5	92			91	<0.2	<0.2	1.1	1.2			
					Bottom	6.4	0.2	167	19.6	7.9	7.9	29.7	29.7	105.7	105.7	8.1	8.1	4.1	8.1	6	6	93	6	93			91	<0.2	<0.2	1.1	1.2			
						6.4	0.2	170	19.6	7.9	7.9	29.7	29.7	105.7	105.7	8.1	8.1	4.1	8.1	5	6	94	6	94			91	<0.2	<0.2	1.1	1.3			
IM11	Cloudy	Moderate	17:34	8.1	Surface	1.0	0.3	145	19.6	19.6	7.9	7.9	29.6	29.6	102.3	102.3	7.9	7.9	2.9	7.9	6	5	87	91	821488	810563	<0.2	<0.2	1.0	1.1				
						1.0	0.3	150	19.6	7.9	7.9	29.6	29.6	102.3	102.3	7.9	7.9	2.9	7.9	5	6	87	91	<0.2			<0.2	1.1	1.1					
					Middle	4.1	0.3	161	19.6	7.9	7.9	29.7	29.7	102.5	102.5	7.9	7.9	3.0	3.0	6	6	93	6	93			91	<0.2	<0.2	1.0	1.1			
						4.1	0.3	173	19.6	7.9	7.9	29.7	29.7	102.5	102.5	7.9	7.9	3.1	3.0	6	6	93	6	93			91	<0.2	<0.2	1.2	1.1			
					Bottom	7.1	0.4	148	19.7	7.9	7.9	29.8	29.8	104.6	104.6	8.0	8.0	2.9	8.0	5	5	93	6	93			91	<0.2	<0.2	1.1	1.0			
						7.1	0.4	160	19.7	7.9	7.9	29.8	29.8	104.6	104.6	8.0	8.0	2.9	8.0	6	6	93	6	93			91	<0.2	<0.2	1.0	1.0			
IM12	Cloudy	Moderate	17:47	9.1	Surface	1.0	0.3	167	19.6	19.6	7.9	7.9	29.7	29.7	102.3	102.3	7.9	7.9	3.0	7.9	6	6	87	91	821166	811516	<0.2	<0.2	1.6	1.5				
						1.0	0.3	175	19.6	7.9	7.9	29.7	29.7	102.3	102.3	7.9	7.9	3.0	7.9	6	6	87	91	<0.2			<0.2	1.5	1.5					
					Middle	4.6	0.3	174	19.6	7.9	7.9	29.8	29.8	103.1	103.1	7.9	7.9	3.0	3.0	6	6	93	6	93			91	<0.2	<0.2	1.6	1.6			
						4.6	0.3	187	19.6	7.9	7.9	29.8	29.8	103.1	103.1	7.9	7.9	3.0	3.0	6	6	93	6	93			91	<0.2	<0.2	1.6	1.6			
					Bottom	8.1	0.3	164	19.6	7.9	7.9	29.8	29.8	104.9	104.9	8.1	8.1	3.0	8.1	6	6	94	6	94			91	<0.2	<0.2	1.3	1.4			
						8.1	0.3	178	19.6	7.9	7.9	29.8	29.8	104.9	104.9	8.1	8.1	3.0	8.1	6	6	94	6	94			91	<0.2	<0.2	1.4	1.4			
SR2	Cloudy	Moderate	18:06	4.9	Surface	1.0	0.2	129	19.7	19.7	7.9	7.9	29.8	29.8	101.6	101.6	7.8	7.8	2.2	7.8	4	4	88	91	821457	814163	<0.2	<0.2	1.1	1.0				
						1.0	0.2	129	19.7	7.9	7.9	29.8	29.8	101.6	101.6	7.8	7.8	2.2	7.8	4	4	87	91	<0.2			<0.2	1.2	1.0					
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-
					Bottom	3.9	0.2	126	19.8	7.9	7.9	29.9	29.9	104.3	104.3	8.0	8.0	3.7	8.0	5	5	94	6	94			91	<0.2	<0.2	0.8	0.8			
						3.9	0.2	129	19.8	7.9	7.9	29.9	29.9	104.3	104.3	8.0	8.0	3.7	8.0	6	6	94	6	94			91	<0.2	<0.2	0.8	0.8			
SR3	Cloudy	Moderate	17:02	9.0	Surface	1.0	0.4	125	19.4	19.4	7.9	7.9	29.3	29.3	102.2	102.3	7.9	7.9	8.4	7.9	12	14	-	-	822166	807567	-	-	-	-				
						1.0	0.4	136	19.4	7.9	7.9	29.3	29.3	102.3	102.3	7.9	7.9	8.5	7.9	14	14	-	-	-			-							
					Middle	4.5	0.4	115	19.4	7.9	7.9	29.4	29.4	101.9	101.9	7.9	7.9	9.4	7.9	12	14	-	-	-			-	-	-	-	-			
						4.5	0.4	117	19.4	7.9	7.9	29.4	29.4	101.9	101.9	7.9	7.9	9.4	7.9	14	14	-	-	-			-	-	-	-	-			
					Bottom	8.0	0.4	139	19.5	7.9	7.9	29.6	29.6	102.2	102.2	7.9	7.9	8.3	7.9	15	15	-	-	-			-	-	-	-	-			
						8.0	0.5	143	19.5	7.9	7.9	29.6	29.6	102.2	102.2	7.9	7.9	8.3	7.9	15	15	-	-	-			-	-	-	-	-			
SR4A	Cloudy	Moderate	18:01	9.3	Surface	1.0	0.4	130	22.1	22.1	7.9	7.9	29.9	29.9	103.6	103.6	7.6	7.6	12.7	7.6	23	23	-	-	817205	807816	-	-	-	-				
						1.0	0.4	132	22.1	7.9	7.9	29.9	29.9	103.6	103.6	7.6	7.6	12.6	7.6	22	23	-	-	-			-							
					Middle	4.7	0.3	103	22.1	7.9	7.9	29.8	29.8	103.7	103.8	7.6	7.6	13.2	7.6	22	23	-	-	-			-	-	-					
						4.7	0.4	112	22.1	7.9	7.9	29.8	29.8	103.8	103.8	7.6	7.6	13.3	7.6	23	24	-	-	-			-	-	-					
					Bottom	8.3	0.3	103	22.1	7.8	7.8	29.5	29.5	104.3	104.3	7.7	7.7	13.0	7.7	24	22	-	-	-			-	-	-					
						8.3	0.4	109	22.1	7.8	7.8	29.5	29.5	104.3	104.3	7.7	7.7	13.1	7.7	22	22	-	-	-			-	-	-					
SR5A	Cloudy	Moderate	18:17	4.1	Surface	1.0	0.2	178	22.4	22.4	7.9	7.9	30.1	30.1	101.7	101.7	7.4	7.4	5.2	7.4	7	10	-	-	816590	810681	-	-	-	-				
						1.0	0.2	192	22.4	7.9	7.9	30.1	30.1	101.7	101.7	7.4	7.4	5.2	7.4	8	10	-	-	-			-							
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-	-			
					Bottom	3.1	0.2	204	22.4	7.8	7.8	29.9	29.9	101.2	101.3	7.4	7.4	7.4	7.4	12	11	-	-	-			-	-	-					
						3.1	0.2	211	22.4	7.8	7.8	29.8	29.8	101.3	101.3	7.4	7.4	7.4	7.4	11	11	-	-	-			-	-	-					
SR6	Cloudy	Moderate	18:40	4.1	Surface	1.0	0.2	166	22.2	22.2	7.8	7.8	29.2	29.2	103.7	103.7	7.6	7.6	5.4	7.6	8	8	-	-	817902	814679	-	-	-	-				
						1.0	0.2	180	22.2	7.8	7.8	29.2	29.2	103.7	103.7	7.6	7.6	5.4	7.6	8	8	-	-	-			-							
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-	-	-	-				
					Bottom	3.1	0.2	153																										

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

**Water Quality Monitoring Results on 08 December 16 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	13:48	8.3	Surface	1.0	0.5	86	21.9	21.9	7.9	7.9	31.0	31.0	104.0	104.0	7.6	7.6	2.9	7.6	13	16	85	88	815602	804254	<0.2	<0.2	0.7	0.5				
						1.0	0.6	88	21.9	7.9	7.9	31.0	31.0	104.0	104.0	7.6	7.6	2.9	7.6	14	16	85	88	<0.2	<0.2	0.7	0.5							
					Middle	4.2	0.5	86	21.9	21.9	7.8	7.8	31.0	31.0	102.5	102.5	7.5	7.5	7.2	5.2	7.2	5.2	18	16	87	88	815602	804254	<0.2	<0.2	0.5	0.5		
						4.2	0.6	92	21.9	21.9	7.8	7.8	31.0	31.0	102.5	102.5	7.5	7.5	7.2	5.2	7.2	5.2	18	16	87	88	815602	804254	<0.2	<0.2	0.4	0.5		
					Bottom	7.3	0.5	84	21.9	21.9	7.8	7.8	30.7	30.7	103.1	103.1	7.5	7.5	5.3	7.6	5.3	7.6	17	16	91	92	815602	804254	<0.2	<0.2	0.4	0.5		
						7.3	0.6	88	21.9	21.9	7.8	7.8	30.7	30.7	103.1	103.1	7.5	7.5	5.4	7.6	5.4	7.6	18	16	92	92	815602	804254	<0.2	<0.2	0.4	0.5		
C2	Cloudy	Moderate	15:36	12.3	Surface	1.0	0.3	139	19.2	19.2	7.9	7.9	28.7	28.7	103.2	102.8	8.0	7.9	0.8	7.9	7	7	87	91	825694	806954	<0.2	<0.2	1.4	1.3				
						1.0	0.3	150	19.2	19.2	7.9	7.9	28.7	28.7	102.4	102.8	8.0	7.9	0.9	7.9	6	7	85	91	825694	806954	<0.2	<0.2	1.4	1.3				
					Middle	6.2	0.5	194	19.6	19.6	7.9	7.9	30.0	30.0	102.1	102.1	7.8	7.8	3.5	2.9	3.5	2.9	7	7	92	92	825694	806954	<0.2	<0.2	1.2	1.3		
						6.2	0.5	211	19.6	19.6	7.9	7.9	30.0	30.0	102.1	102.1	7.8	7.8	3.5	2.9	3.5	2.9	8	7	92	92	825694	806954	<0.2	<0.2	1.2	1.3		
					Bottom	11.3	0.5	210	19.5	19.5	7.9	7.9	30.1	30.1	103.6	103.6	8.0	8.0	4.2	8.0	4.2	8.0	8	8	93	94	825694	806954	<0.2	<0.2	1.2	1.3		
						11.3	0.5	228	19.5	19.5	7.9	7.9	30.1	30.1	103.6	103.6	8.0	8.0	4.2	8.0	4.2	8.0	6	8	94	94	825694	806954	<0.2	<0.2	1.2	1.3		
C3	Cloudy	Moderate	13:38	11.8	Surface	1.0	0.6	276	19.8	19.8	7.9	7.9	30.8	30.8	96.4	96.4	7.3	7.3	2.2	7.3	4	4	89	92	822101	817783	<0.2	<0.2	1.2	1.0				
						1.0	0.6	301	19.8	19.8	7.9	7.9	30.8	30.8	96.4	96.4	7.3	7.3	2.2	7.3	3	5.5	3	4	89	92	822101	817783	<0.2	<0.2	1.1	1.0		
					Middle	5.9	0.6	271	19.8	19.8	7.9	7.9	31.0	31.0	94.4	94.4	7.2	7.2	6.6	7.2	6.6	7.2	2	5.5	2	4	93	93	822101	817783	<0.2	<0.2	0.8	1.0
						5.9	0.6	285	19.8	19.8	7.9	7.9	31.0	31.0	94.4	94.4	7.2	7.2	6.6	7.2	6.6	7.2	3	5.5	3	4	93	93	822101	817783	<0.2	<0.2	0.9	1.0
					Bottom	10.8	0.5	277	19.8	19.8	7.9	7.9	31.0	31.0	94.4	94.4	7.2	7.2	7.8	7.2	7.8	7.2	6	7.2	6	4	95	94	822101	817783	<0.2	<0.2	0.9	0.8
						10.8	0.5	290	19.8	19.8	7.9	7.9	31.0	31.0	94.4	94.4	7.2	7.2	7.8	7.2	7.8	7.2	6	7.2	6	4	94	94	822101	817783	<0.2	<0.2	0.8	0.8
IM1	Cloudy	Moderate	14:11	7.7	Surface	1.0	0.7	133	21.8	21.8	7.9	7.9	30.3	30.3	104.3	104.3	7.7	7.6	2.1	7.6	5	9	85	89	818333	806438	<0.2	<0.2	0.9	0.7				
						1.0	0.7	137	21.8	21.8	7.9	7.9	30.3	30.3	104.2	104.3	7.7	7.6	2.2	7.6	4	9	86	89	818333	806438	<0.2	<0.2	1.0	0.7				
					Middle	3.9	0.6	175	21.7	21.7	7.8	7.8	30.3	30.3	102.4	102.4	7.5	7.5	5.3	7.6	5.3	4.7	9	9	89	89	818333	806438	<0.2	<0.2	0.7	0.6		
						3.9	0.7	185	21.7	21.7	7.8	7.8	30.3	30.3	102.4	102.4	7.5	7.5	5.3	7.6	5.3	4.7	8	9	89	89	818333	806438	<0.2	<0.2	0.6	0.6		
					Bottom	6.7	0.7	177	21.7	21.7	7.8	7.8	29.9	29.9	102.3	102.3	7.6	7.6	6.6	7.6	6.6	7.6	14	7.6	14	9	91	92	818333	806438	<0.2	<0.2	0.6	0.6
						6.7	0.7	179	21.7	21.7	7.8	7.8	29.9	29.9	102.3	102.3	7.6	7.6	6.6	7.6	6.6	7.6	13	7.6	13	9	92	92	818333	806438	<0.2	<0.2	0.6	0.6
IM2	Cloudy	Moderate	14:16	8.9	Surface	1.0	0.6	140	21.8	21.8	7.9	7.9	30.4	30.4	104.1	104.1	7.7	7.7	2.7	7.7	7	7	86	89	818861	806189	<0.2	<0.2	0.9	0.8				
						1.0	0.6	149	21.8	21.8	7.9	7.9	30.4	30.4	104.1	104.1	7.7	7.7	2.7	7.7	6	7.7	6	7	85	89	818861	806189	<0.2	<0.2	1.0	0.8		
					Middle	4.5	0.6	135	21.7	21.7	7.9	7.9	30.3	30.3	103.0	103.0	7.6	7.6	4.0	7.6	4.0	3.7	8	7	89	89	818861	806189	<0.2	<0.2	0.7	0.8		
						4.5	0.6	145	21.7	21.7	7.9	7.9	30.3	30.3	103.0	103.0	7.6	7.6	4.0	7.6	4.0	3.7	8	7	89	89	818861	806189	<0.2	<0.2	0.8	0.8		
					Bottom	7.9	0.5	160	21.7	21.7	7.8	7.8	30.0	30.0	103.3	103.3	7.6	7.6	4.3	7.6	4.3	7.6	8	7.6	8	7	92	92	818861	806189	<0.2	<0.2	0.8	0.7
						7.9	0.6	164	21.7	21.7	7.8	7.8	29.9	30.0	103.3	103.3	7.6	7.6	4.3	7.6	4.3	7.6	7	7.6	7	7	92	92	818861	806189	<0.2	<0.2	0.7	0.7
IM3	Cloudy	Moderate	14:24	8.8	Surface	1.0	0.6	104	21.8	21.8	7.9	7.9	30.3	30.3	104.6	104.6	7.7	7.7	2.3	7.7	6	6	86	89	819393	806018	<0.2	<0.2	0.9	0.8				
						1.0	0.6	114	21.8	21.8	7.9	7.9	30.3	30.3	104.5	104.6	7.7	7.7	2.3	7.7	4	7.7	4	6	86	89	819393	806018	<0.2	<0.2	0.8	0.8		
					Middle	4.4	0.6	119	21.8	21.8	7.9	7.9	30.3	30.3	104.2	104.2	7.7	7.7	2.9	7.7	2.9	3.1	7	6	89	89	819393	806018	<0.2	<0.2	0.8	0.8		
						4.4	0.6	129	21.8	21.8	7.9	7.9	30.3	30.3	104.2	104.2	7.7	7.7	2.9	7.7	2.9	3.1	6	6	89	89	819393	806018	<0.2	<0.2	0.8	0.8		
					Bottom	7.8	0.6	112	21.7	21.7	7.8	7.8	30.0	30.0	103.8	103.8	7.7	7.7	4.0	7.7	4.0	7.7	7	7.7	7	6	90	91	819393	806018	<0.2	<0.2	0.9	0.8
						7.8	0.6	119	21.7	21.7	7.8	7.8	30.0	30.0	103.7	103.7	7.7	7.7	4.0	7.7	4.0	7.7	5	7.7	5	6	91	91	819393	806018	<0.2	<0.2	0.8	0.8
IM4	Cloudy	Moderate	14:33	8.2	Surface	1.0	0.5	124	21.8	21.8	7.9	7.9	30.3	30.3	105.8	105.8	7.8	7.8	1.4	7.8	5	6	86	89	819565	805020	<0.2	<0.2	0.8	0.9				
						1.0	0.5	132	21.8	21.8	7.9	7.9	30.3	30.3	105.7	105.8	7.8	7.8	1.5	7.8	4	7.8	4	6	85	89	819565	805020	<0.2	<0.2	0.9	0.9		
					Middle	4.1	0.5	128	21.8	21.8	7.9	7.9	30.2	30.2	104.4	104.4	7.7	7.7	2.3	7.7	2.3	3.7	6	6	88	89	819565	805020	<0.2	<0.2	1.0	0.9		
						4.1	0.5	137	21.8	21.8	7.9	7.9	30.2	30.2	104.4	104.4	7.7	7.7	2.3	7.7	2.3	3.7	4	6	89	89	819565	805020	<0.2	<0.2	1.0	0.9		
					Bottom	7.2	0.4	140	21.6	21.6	7.8	7.8	30.0	30.0	102.5	102.5	7.6	7.6	7.3	7.6	7.3	7.6	8	7.6	8	6	93	93	819565	805020	<0.2	<0.2	0.9	0.8
						7.2	0.4	149	21.7	21.7	7.8	7.8	30.0	30.0	102.5	102.5	7.6	7.6	7.2	7.6	7.2	7.6	7	7.6	7	6	93	93	819565	805020	<0.2	<0.2	0.8	0.8
IM5	Cloudy	Moderate																																

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

**Water Quality Monitoring**

**Water Quality Monitoring Results on 08 December 16 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		Value		Value		Value		Value		Value		Value		Value				Value		Value		Value					
IM9	Cloudy	Moderate	14:54	7.2	Surface	1.0	0.3	184	19.3	8.0	8.0	30.3	30.3	105.5	105.5	8.1	8.2	5.5	5.9	9	10	86	91	822080	808807	<0.2	<0.2	1.7	1.5							
						1.0	0.3	188	19.3	8.0	8.0	30.3	30.3	105.5	105.5	8.1	8.2	5.5	5.9	10	10	86	91	822080	808807	<0.2	<0.2	1.6	1.5							
						3.6	0.3	180	19.2	8.0	8.0	30.3	30.3	107.0	107.0	8.3	8.5	6.5	5.9	10	10	92	93	822080	808807	<0.2	<0.2	1.3	1.5							
					Middle	3.6	0.3	182	19.2	8.0	8.0	30.3	30.3	107.0	107.0	8.3	8.5	6.5	5.9	9	10	93	94	822080	808807	<0.2	<0.2	1.3	1.5							
						6.2	0.2	200	19.2	8.0	8.0	30.3	30.3	109.5	109.5	8.5	8.5	5.7	8.5	10	11	94	94	822080	808807	<0.2	<0.2	1.4	1.5							
						6.2	0.2	204	19.2	8.0	8.0	30.3	30.3	109.5	109.5	8.5	8.5	5.7	8.5	11	11	94	94	822080	808807	<0.2	<0.2	1.4	1.5							
					IM10	Cloudy	Moderate	14:41	7.4	Surface	1.0	0.5	291	19.4	8.0	8.0	30.4	30.4	102.8	102.8	7.9	7.9	4.3	4.7	3	5	86	91	822223	809821	<0.2	<0.2	1.3	1.3		
											1.0	0.5	312	19.4	8.0	8.0	30.4	30.4	102.8	102.8	7.9	7.9	4.3	4.7	5	6	87	93	822223	809821	<0.2	<0.2	1.4	1.3		
											3.7	0.3	290	19.3	8.0	8.0	30.5	30.5	102.8	102.8	7.9	7.9	4.4	4.7	6	7	93	92	822223	809821	<0.2	<0.2	1.5	1.3		
Middle	3.7	0.3	290	19.3						8.0	8.0	30.5	30.5	102.8	102.8	7.9	7.9	4.4	4.7	7	8	92	94	822223	809821	<0.2	<0.2	1.4	1.3							
	6.4	0.2	250	19.3						8.0	8.0	30.5	30.5	103.5	103.5	8.0	8.0	5.3	8.0	8	9	94	93	822223	809821	<0.2	<0.2	1.1	1.3							
	6.4	0.2	267	19.3						8.0	8.0	30.5	30.5	103.5	103.5	8.0	8.0	5.3	8.0	9	9	93	93	822223	809821	<0.2	<0.2	1.1	1.3							
IM11	Cloudy	Moderate	14:34	7.5						Surface	1.0	0.4	259	19.4	8.0	8.0	30.5	30.5	101.6	101.6	7.8	7.9	5.0	6.4	6	6	87	91	821505	810554	<0.2	<0.2	0.9	1.0		
											1.0	0.5	271	19.4	8.0	8.0	30.5	30.5	101.6	101.6	7.8	7.9	5.0	6.4	6	7	87	92	821505	810554	<0.2	<0.2	1.0	1.0		
											3.8	0.4	257	19.4	8.0	8.0	30.5	30.5	102.4	102.4	7.9	7.9	6.7	6.4	5	7	92	93	821505	810554	<0.2	<0.2	1.0	1.0		
					Middle	3.8	0.4	275	19.4	8.0	8.0	30.5	30.5	102.4	102.4	7.9	7.9	6.7	6.4	7	8	93	94	821505	810554	<0.2	<0.2	1.1	1.0							
						6.5	0.3	230	19.3	8.0	8.0	30.6	30.6	104.3	104.3	8.0	8.0	7.6	8.0	8	10	94	94	821505	810554	<0.2	<0.2	1.1	1.0							
						6.5	0.3	240	19.3	8.0	8.0	30.6	30.6	104.3	104.3	8.0	8.0	7.6	8.0	10	10	94	94	821505	810554	<0.2	<0.2	1.1	1.0							
					IM12	Cloudy	Moderate	14:27	8.9	Surface	1.0	0.4	260	19.4	8.0	8.0	30.6	30.6	98.6	98.6	7.6	7.6	7.7	11.5	9	9	88	92	821167	811507	<0.2	<0.2	1.4	1.4		
											1.0	0.5	270	19.4	8.0	8.0	30.6	30.6	98.6	98.6	7.6	7.6	7.7	11.5	10	10	87	93	821167	811507	<0.2	<0.2	1.4	1.4		
											4.5	0.4	277	19.4	8.0	8.0	30.7	30.7	98.2	98.2	7.5	7.5	10.2	11.5	8	9	93	93	821167	811507	<0.2	<0.2	1.6	1.4		
Middle	4.5	0.4	295	19.4						8.0	8.0	30.7	30.7	98.2	98.2	7.5	7.5	10.3	11.5	10	10	93	94	821167	811507	<0.2	<0.2	1.6	1.4							
	7.9	0.3	266	19.4						7.9	7.9	30.8	30.8	98.0	98.0	7.5	7.5	16.5	7.5	9	9	94	94	821167	811507	<0.2	<0.2	1.3	1.4							
	7.9	0.3	270	19.4						7.9	7.9	30.8	30.8	98.0	98.0	7.5	7.5	16.5	7.5	10	10	94	94	821167	811507	<0.2	<0.2	1.3	1.4							
SR2	Cloudy	Moderate	14:02	4.9						Surface	1.0	0.3	197	19.5	7.9	7.9	30.3	30.3	103.6	103.7	8.0	8.0	2.3	2.9	6	4	88	91	821460	814164	<0.2	<0.2	1.2	1.2		
											1.0	0.4	205	19.5	7.9	7.9	30.3	30.3	103.7	103.7	8.0	8.0	2.5	2.9	4	5	88	94	821460	814164	<0.2	<0.2	1.1	1.2		
											2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821460	814164	<0.2	<0.2	-	1.2
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821460	814164	<0.2	<0.2	-	1.2				
						3.9	0.4	190	19.5	7.9	7.9	30.2	30.2	107.2	107.2	8.2	8.2	3.3	8.2	5	5	94	94	821460	814164	<0.2	<0.2	1.2	1.2							
						3.9	0.4	203	19.5	7.9	7.9	30.2	30.2	107.2	107.2	8.2	8.2	3.3	8.2	5	5	94	94	821460	814164	<0.2	<0.2	1.3	1.2							
					SR3	Cloudy	Moderate	15:06	8.8	Surface	1.0	0.3	154	19.4	7.9	7.9	29.5	29.5	104.4	104.4	8.1	8.1	1.8	3.1	4	7	-	-	822137	807555	-	-	-	-		
											1.0	0.3	162	19.4	7.9	7.9	29.5	29.5	104.4	104.4	8.1	8.1	1.8	3.1	6	7	-	-	-	-	822137	807555	-	-	-	-
											4.4	0.3	129	19.4	8.0	8.0	30.0	30.0	104.2	104.0	8.0	8.0	2.6	3.1	9	7	-	-	-	-	822137	807555	-	-	-	-
Middle	4.4	0.4	138	19.4						8.0	8.0	30.0	30.0	103.8	104.0	8.0	8.0	2.8	3.1	9	7	-	-	-	-	822137	807555	-	-	-	-					
	7.8	0.4	115	19.4						8.0	8.0	30.2	30.2	103.9	103.9	8.0	8.0	4.9	8.0	7	7	-	-	-	-	822137	807555	-	-	-	-					
	7.8	0.4	126	19.4						8.0	8.0	30.2	30.2	103.9	103.9	8.0	8.0	4.9	8.0	7	7	-	-	-	-	822137	807555	-	-	-	-					
SR4A	Cloudy	Moderate	13:24	8.8						Surface	1.0	0.3	194	21.9	7.8	7.8	30.1	30.1	101.0	101.0	7.4	7.4	8.2	7.6	16	16	-	-	817187	807813	-	-	-	-		
											1.0	0.3	206	21.9	7.8	7.8	30.1	30.1	101.0	101.0	7.4	7.4	8.2	7.6	15	16	-	-	-	-	817187	807813	-	-	-	-
											4.4	0.3	182	21.9	7.8	7.8	30.0	30.0	100.7	100.7	7.4	7.4	7.2	7.6	16	16	-	-	-	-	817187	807813	-	-	-	-
					Middle	4.4	0.3	187	21.9	7.8	7.8	29.9	30.0	100.7	100.7	7.4	7.4	7.3	7.6	15	16	-	-	-	-	817187	807813	-	-	-	-					
						7.8	0.3	167	21.9	7.7	7.7	29.6	29.6	101.0	101.0	7.4	7.4	7.3	7.4	17	16	-	-	-	-	817187	807813	-	-	-	-					
						7.8	0.3	178	21.9	7.7	7.7	29.6	29.6	101.0	101.0	7.4	7.4	7.4	7.4	18	16	-	-	-	-	817187	807813	-	-	-	-					
					SR5A	Cloudy	Moderate	13:07	4.3	Surface	1.0	0.2	270	22.1	7.7	7.7	29.5	29.5	102.0	102.0	7.5	7.5	3.8	4.1	9	11	-	-	816611	810686	-	-	-	-		
											1.0	0.2	290	22.1	7.7	7.7	29.5	29.5	102.0	102.0	7.5	7.5	3.8	4.1	10	11	-	-	-	-	816611	810686	-	-	-	-
											2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Middle	2.2	-	-	-						-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816611	810686	-	-	-	-				
	3.3	0.2	205	22.0						7.5	7.5	28.4	28.4	103.3	103.4	7.7	7.7	4.4	7.7	12	11	-	-	-	-	816611	810686	-	-	-	-					
	3.3	0.2	211	22.0						7.5	7.5	28.3	28.3	103.5	103.5	7.7	7.7	4.5	7.7	13	11	-	-	-	-	816611	810686	-	-	-	-					
SR6	Cloudy	Moderate	12:44	4.1						Surface	1.0	0																								

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

**Water Quality Monitoring Results on 08 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	20:19	8.8	Surface	1.0	0.4	84	22.1	22.1	7.9	7.9	31.3	31.3	102.1	102.1	7.4	7.4	7.1	7.1	12	13	85	86	815615	804244	<0.2	<0.2	0.4	0.4				
						1.0	0.4	88	22.1	22.1	7.9	7.9	31.3	31.3	102.1	102.1	7.4	7.4	7.1	7.1	13	13	86	86	815615	804244	<0.2	<0.2	0.4	0.4				
					Middle	4.4	0.3	84	22.1	22.1	7.9	7.9	31.2	31.2	102.3	102.3	7.4	7.4	8.1	8.1	8.9	8.9	12	12	88	88	815615	804244	<0.2	<0.2	0.6	0.6		
						4.4	0.4	87	22.1	22.1	7.9	7.9	31.2	31.2	102.3	102.3	7.4	7.4	8.1	8.1	8.6	8.6	13	13	88	88	815615	804244	<0.2	<0.2	0.4	0.4		
					Bottom	7.8	0.3	108	22.1	22.1	7.8	7.8	30.6	30.6	104.1	104.1	7.6	7.6	7.6	7.6	8.3	8.3	14	14	90	91	815615	804244	<0.2	<0.2	0.4	0.4		
						7.8	0.3	118	22.1	22.1	7.8	7.8	30.6	30.6	104.1	104.1	7.6	7.6	7.6	7.6	8.3	8.3	16	16	91	91	815615	804244	<0.2	<0.2	0.3	0.3		
C2	Cloudy	Moderate	19:16	12.9	Surface	1.0	0.3	147	19.3	19.3	7.9	7.9	28.6	28.6	100.6	100.6	7.8	7.8	2.0	2.0	2	4	84	84	825695	806926	<0.2	<0.2	1.7	1.6				
						1.0	0.3	150	19.3	19.3	7.9	7.9	28.6	28.6	100.6	100.6	7.8	7.8	2.0	2.0	4	4	84	84	825695	806926	<0.2	<0.2	1.6	1.6				
					Middle	6.5	0.4	219	19.7	19.7	8.0	8.0	30.1	30.1	99.9	99.9	7.7	7.7	4.5	4.5	3.3	3.3	4	5	93	92	825695	806926	<0.2	<0.2	1.7	1.8		
						6.5	0.4	233	19.7	19.7	8.0	8.0	30.1	30.1	99.9	99.9	7.7	7.7	4.5	4.5	3.3	3.3	5	5	92	93	825695	806926	<0.2	<0.2	1.8	1.4		
					Bottom	11.9	0.3	240	19.6	19.6	7.9	7.9	30.2	30.2	99.5	99.5	7.6	7.6	7.6	7.6	8.2	8.2	5	5	93	93	825695	806926	<0.2	<0.2	1.4	1.4		
						11.9	0.3	253	19.6	19.6	7.9	7.9	30.2	30.2	99.5	99.5	7.6	7.6	7.6	7.6	8.2	8.2	5	5	93	93	825695	806926	<0.2	<0.2	1.4	1.4		
C3	Cloudy	Moderate	21:27	12.1	Surface	1.0	0.3	177	19.9	19.9	7.9	7.9	31.5	31.5	93.1	93.1	7.0	7.0	2.5	2.4	5	6	89	88	822128	817805	<0.2	<0.2	0.6	0.6				
						1.0	0.3	182	19.9	19.9	7.9	7.9	31.5	31.5	93.0	93.0	7.0	7.0	2.5	2.4	6	4	88	93	822128	817805	<0.2	<0.2	0.6	0.7				
					Middle	6.1	0.2	160	20.0	20.0	7.9	7.9	31.5	31.5	93.3	93.4	7.1	7.1	7.1	7.1	2.4	2.5	4	4	93	93	822128	817805	<0.2	<0.2	0.7	0.7		
						6.1	0.2	172	20.0	20.0	7.9	7.9	31.5	31.5	93.4	93.4	7.1	7.1	7.1	7.1	2.5	2.5	4	4	93	93	822128	817805	<0.2	<0.2	0.7	0.7		
					Bottom	11.1	0.2	162	20.0	20.0	7.9	7.9	31.5	31.5	95.0	95.0	7.2	7.2	7.2	7.2	2.5	2.5	4	4	94	94	822128	817805	<0.2	<0.2	0.6	0.8		
						11.1	0.2	172	20.0	20.0	7.9	7.9	31.5	31.5	95.0	95.0	7.2	7.2	7.2	7.2	2.5	2.5	6	6	94	94	822128	817805	<0.2	<0.2	0.8	0.8		
IM1	Cloudy	Moderate	19:55	7.9	Surface	1.0	0.4	165	21.8	21.8	7.9	7.9	31.0	31.0	103.0	103.0	7.5	7.5	3.7	3.7	4	4	86	87	818342	806476	<0.2	<0.2	0.6	0.6				
						1.0	0.4	168	21.8	21.8	7.9	7.9	31.0	31.0	103.0	103.0	7.6	7.6	3.7	3.7	4	4	87	87	818342	806476	<0.2	<0.2	0.6	0.6				
					Middle	4.0	0.4	153	21.8	21.8	7.9	7.9	30.9	30.9	102.7	102.7	7.5	7.5	4.0	4.0	4.1	4.0	8	9	89	90	818342	806476	<0.2	<0.2	0.7	0.7		
						4.0	0.4	162	21.8	21.8	7.9	7.9	30.9	30.9	102.7	102.7	7.5	7.5	4.0	4.0	4.0	4.0	9	8	90	92	818342	806476	<0.2	<0.2	0.7	0.6		
					Bottom	6.9	0.3	161	21.8	21.8	7.9	7.9	30.8	30.8	102.9	102.9	7.5	7.5	7.6	7.6	4.3	4.3	8	8	92	93	818342	806476	<0.2	<0.2	0.6	0.5		
						6.9	0.4	162	21.8	21.8	7.9	7.9	30.8	30.8	102.9	102.9	7.6	7.6	7.6	7.6	4.3	4.3	8	8	93	93	818342	806476	<0.2	<0.2	0.5	0.5		
IM2	Cloudy	Moderate	19:49	8.5	Surface	1.0	0.3	151	21.7	21.7	7.9	7.9	30.9	30.9	102.8	102.8	7.5	7.5	4.4	4.3	9	7	85	86	818862	806184	<0.2	<0.2	0.6	0.6				
						1.0	0.3	157	21.7	21.7	7.9	7.9	30.9	30.9	102.8	102.8	7.5	7.5	4.3	4.3	7	8	86	90	818862	806184	<0.2	<0.2	0.6	0.8				
					Middle	4.3	0.3	153	21.7	21.7	7.9	7.9	30.8	30.8	102.5	102.5	7.5	7.5	4.7	4.7	4.8	4.8	8	9	90	90	818862	806184	<0.2	<0.2	0.8	0.9		
						4.3	0.4	161	21.7	21.7	7.9	7.9	30.8	30.8	102.5	102.5	7.5	7.5	4.7	4.7	4.8	4.8	9	8	90	93	818862	806184	<0.2	<0.2	0.9	0.7		
					Bottom	7.5	0.3	136	21.8	21.8	7.9	7.9	30.6	30.6	103.1	103.1	7.6	7.6	7.6	7.6	4.8	4.8	8	8	93	93	818862	806184	<0.2	<0.2	0.7	0.6		
						7.5	0.4	141	21.8	21.8	7.9	7.9	30.6	30.6	103.1	103.1	7.6	7.6	7.6	7.6	4.8	4.8	9	9	93	93	818862	806184	<0.2	<0.2	0.6	0.6		
IM3	Cloudy	Moderate	19:42	8.9	Surface	1.0	0.5	101	21.7	21.7	7.9	7.9	30.9	30.9	103.1	103.1	7.6	7.6	3.9	3.9	9	8	86	86	819399	806029	<0.2	<0.2	0.7	0.7				
						1.0	0.6	109	21.7	21.7	7.9	7.9	30.9	30.9	103.1	103.1	7.6	7.6	3.9	3.9	8	8	86	87	819399	806029	<0.2	<0.2	0.7	0.6				
					Middle	4.5	0.5	112	21.7	21.7	7.9	7.9	30.8	30.8	103.0	103.0	7.6	7.6	4.1	4.1	4.0	4.1	8	10	87	88	819399	806029	<0.2	<0.2	0.6	0.7		
						4.5	0.6	116	21.7	21.7	7.9	7.9	30.8	30.8	103.0	103.0	7.6	7.6	4.1	4.1	4.1	4.1	10	12	88	90	819399	806029	<0.2	<0.2	0.7	0.7		
					Bottom	7.9	0.5	122	21.7	21.7	7.9	7.9	30.4	30.4	103.9	103.9	7.6	7.6	7.6	7.6	4.5	4.4	11	11	90	91	819399	806029	<0.2	<0.2	0.7	0.8		
						7.9	0.5	126	21.7	21.7	7.9	7.9	30.4	30.4	103.9	103.9	7.6	7.6	7.6	7.6	4.4	4.4	11	11	91	91	819399	806029	<0.2	<0.2	0.8	0.8		
IM4	Cloudy	Moderate	19:34	8.3	Surface	1.0	0.5	117	21.7	21.7	7.9	7.9	31.0	31.0	103.1	103.1	7.6	7.6	4.0	4.0	8	8	86	87	819570	805024	<0.2	<0.2	0.7	0.8				
						1.0	0.6	123	21.7	21.7	7.9	7.9	31.0	31.0	103.1	103.1	7.6	7.6	4.0	4.0	8	8	87	88	819570	805024	<0.2	<0.2	0.8	0.8				
					Middle	4.2	0.5	131	21.7	21.7	7.9	7.9	30.9	30.9	102.8	102.8	7.5	7.5	5.3	5.3	4.4	4.4	9	11	88	89	819570	805024	<0.2	<0.2	0.7	0.8		
						4.2	0.5	135	21.7	21.7	7.9	7.9	30.9	30.9	102.8	102.8	7.5	7.5	5.3	5.3	4.4	4.4	11	10	89	92	819570	805024	<0.2	<0.2	0.8	0.8		
					Bottom	7.3	0.5	129	21.7	21.7	7.9	7.9	30.5	30.5	103.2	103.2	7.6	7.6	7.6	7.6	7.7	7.5	10	11	92	93	819570	805024	<0.2	<0.2	0.8	0.8		
						7.3	0.5	131	21.7	21.7	7.9	7.9	30.5	30.5	103.2	103.2	7.6	7.6	7.6	7.6	7.5	7.5	11	11	93	93	819570	805024	<0.2	<0.2	0.8	0.8		
IM5	Cloudy	Moderate	19:26	7.1	Surface	1.0	0.8	138	21.6	21.6	7.9	7.9	30.7	30.7	102.6	102.6																		

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

**Water Quality Monitoring Results on 08 December 16 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	20:14	7.5	Surface	1.0	0.3	136	19.3	8.0	8.0	30.4	30.4	105.3	105.3	8.1	8.1	3.6	8.1	8	8	85	91	822087	808820	<0.2	<0.2	1.2	1.3				
						1.0	0.4	148	19.3	8.0	8.0	30.4	30.4	105.3	105.3	8.1	8.1	3.6	8.1	8	8	89	91	822087	808820	<0.2	<0.2	1.2	1.3				
					Middle	3.8	0.3	132	19.3	8.0	8.0	30.5	30.5	105.1	105.1	8.1	8.1	5.1	8.1	5.0	10	9	92	91	822087	808820	<0.2	<0.2	1.5	1.3			
						3.8	0.4	140	19.3	8.0	8.0	30.5	30.5	105.0	105.0	8.1	8.1	4.7	8.1	5.0	10	9	92	91	822087	808820	<0.2	<0.2	1.5	1.3			
					Bottom	6.5	0.4	145	19.2	7.9	7.9	30.6	30.6	106.2	106.3	8.2	8.2	6.4	8.2	8.2	6.4	9	9	94	91	822087	808820	<0.2	<0.2	1.1	1.3		
						6.5	0.4	152	19.2	7.9	7.9	30.6	30.6	106.3	106.3	8.2	8.2	6.6	8.2	8.2	6.6	9	9	93	91	822087	808820	<0.2	<0.2	1.0	1.3		
IM10	Cloudy	Moderate	20:23	7.4	Surface	1.0	0.3	129	19.4	8.0	8.0	30.8	30.8	100.9	100.9	7.7	7.7	2.8	7.7	8	10	86	91	822251	809840	<0.2	<0.2	1.0	1.0				
						1.0	0.3	140	19.4	8.0	8.0	30.8	30.8	100.9	100.9	7.7	7.7	2.8	7.7	8	10	87	91	822251	809840	<0.2	<0.2	0.9	1.0				
					Middle	3.7	0.3	146	19.4	8.0	8.0	30.8	30.8	100.8	100.8	7.7	7.7	3.4	7.7	3.4	9	10	92	91	822251	809840	<0.2	<0.2	1.0	1.0			
						3.7	0.3	154	19.4	8.0	8.0	30.8	30.8	100.8	100.8	7.7	7.7	3.4	7.7	3.4	9	10	93	91	822251	809840	<0.2	<0.2	1.1	1.0			
					Bottom	6.4	0.3	162	19.4	7.9	7.9	30.9	30.9	102.1	102.1	7.8	7.8	4.1	7.8	4.1	13	8	93	91	822251	809840	<0.2	<0.2	1.0	1.0			
						6.4	0.3	164	19.4	7.9	7.9	30.9	30.9	102.1	102.1	7.8	7.8	4.1	7.8	4.1	13	8	94	91	822251	809840	<0.2	<0.2	0.9	1.0			
IM11	Cloudy	Moderate	20:32	8.2	Surface	1.0	0.3	140	19.5	7.9	7.9	30.8	30.8	99.6	99.6	7.6	7.6	2.0	7.6	7	8	87	91	821495	810560	<0.2	<0.2	0.8	0.9				
						1.0	0.3	144	19.5	7.9	7.9	30.8	30.8	99.6	99.6	7.6	7.6	2.0	7.6	7	8	86	91	821495	810560	<0.2	<0.2	1.0	0.9				
					Middle	4.1	0.3	162	19.5	7.9	7.9	30.8	30.8	99.4	99.4	7.6	7.6	3.0	7.6	2.8	8	8	92	91	821495	810560	<0.2	<0.2	0.9	0.9			
						4.1	0.3	164	19.5	7.9	7.9	30.8	30.8	99.4	99.4	7.6	7.6	3.0	7.6	2.8	7	8	93	91	821495	810560	<0.2	<0.2	0.9	0.9			
					Bottom	7.2	0.3	155	19.5	7.9	7.9	30.9	30.9	99.7	99.7	7.6	7.6	3.4	7.6	7.6	3.4	8	8	93	91	821495	810560	<0.2	<0.2	1.0	0.9		
						7.2	0.4	169	19.5	7.9	7.9	30.9	30.9	99.7	99.7	7.6	7.6	3.4	7.6	7.6	3.4	8	8	92	91	821495	810560	<0.2	<0.2	0.9	0.9		
IM12	Cloudy	Moderate	20:41	9.0	Surface	1.0	0.3	164	19.4	7.9	7.9	30.7	30.7	98.8	98.8	7.6	7.6	4.2	7.6	6	8	87	91	821177	811526	<0.2	<0.2	1.0	1.0				
						1.0	0.3	164	19.4	7.9	7.9	30.7	30.7	98.8	98.8	7.6	7.6	4.2	7.6	6	8	88	91	821177	811526	<0.2	<0.2	1.1	1.0				
					Middle	4.5	0.3	170	19.5	7.9	7.9	30.8	30.8	98.4	98.4	7.5	7.5	3.7	7.5	4.9	8	8	93	91	821177	811526	<0.2	<0.2	0.9	1.0			
						4.5	0.3	185	19.5	7.9	7.9	30.8	30.8	98.4	98.4	7.5	7.5	3.7	7.5	4.9	9	8	92	91	821177	811526	<0.2	<0.2	1.0	1.0			
					Bottom	8.0	0.4	161	19.5	7.9	7.9	30.8	30.8	98.9	98.9	7.6	7.6	6.6	7.6	7.6	6.6	10	8	94	91	821177	811526	<0.2	<0.2	0.9	1.0		
						8.0	0.4	170	19.5	7.9	7.9	30.8	30.8	98.9	98.9	7.6	7.6	6.7	7.6	7.6	6.7	10	8	93	91	821177	811526	<0.2	<0.2	1.1	1.0		
SR2	Cloudy	Moderate	21:04	4.8	Surface	1.0	0.1	133	19.6	7.9	7.9	30.9	30.9	99.2	99.2	7.6	7.6	2.4	7.6	4	5	88	91	821471	814171	<0.2	<0.2	0.9	0.9				
						1.0	0.2	139	19.6	7.9	7.9	30.9	30.9	99.2	99.2	7.6	7.6	2.4	7.6	4	5	88	91	821471	814171	<0.2	<0.2	1.1	0.9				
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821471	814171	<0.2	<0.2	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821471	814171	<0.2	<0.2	-	-
					Bottom	3.8	0.1	121	19.6	7.9	7.9	30.9	30.9	101.3	101.3	7.7	7.7	2.2	7.7	7.7	2.2	5	5	94	91	821471	814171	<0.2	<0.2	0.9	0.8		
						3.8	0.1	128	19.6	7.9	7.9	30.9	30.9	101.3	101.3	7.7	7.7	2.2	7.7	7.7	2.2	5	5	94	91	821471	814171	<0.2	<0.2	0.8	0.8		
SR3	Cloudy	Moderate	19:56	9.1	Surface	1.0	0.4	120	19.2	8.0	8.0	30.3	30.3	105.3	105.3	8.1	8.1	2.1	8.1	4	5	-	-	822129	807569	-	-	-	-				
						1.0	0.4	124	19.2	8.0	8.0	30.3	30.3	105.3	105.3	8.1	8.1	2.1	8.1	4	5	-	-	-	-	822129	807569	-	-	-	-		
					Middle	4.6	0.4	117	19.2	8.0	8.0	30.7	30.7	104.6	104.6	8.1	8.1	3.5	8.1	3.5	4	5	-	-	-	-	822129	807569	-	-	-	-	
						4.6	0.5	120	19.2	8.0	8.0	30.7	30.7	104.6	104.6	8.1	8.1	3.5	8.1	3.5	5	5	-	-	-	-	822129	807569	-	-	-	-	
					Bottom	8.1	0.4	135	19.2	7.9	7.9	30.8	30.8	105.3	105.3	8.1	8.1	5.0	8.1	8.1	5.0	6	7	-	-	-	-	822129	807569	-	-	-	-
						8.1	0.5	138	19.2	7.9	7.9	30.8	30.8	105.3	105.3	8.1	8.1	5.0	8.1	8.1	5.0	7	7	-	-	-	-	822129	807569	-	-	-	-
SR4A	Cloudy	Moderate	20:40	8.9	Surface	1.0	0.3	135	22.0	7.9	7.9	30.6	30.6	104.3	104.3	7.6	7.6	5.0	7.6	10	16	-	-	817187	807808	-	-	-	-				
						1.0	0.3	139	22.0	7.9	7.9	30.6	30.6	104.3	104.3	7.6	7.6	5.0	7.6	5.1	7.6	12	16	-	-	817187	807808	-	-	-	-		
					Middle	4.5	0.3	164	22.0	7.9	7.9	30.4	30.4	104.6	104.7	7.7	7.7	5.2	7.7	5.1	7.7	17	16	-	-	817187	807808	-	-	-	-		
						4.5	0.3	166	22.0	7.9	7.9	30.4	30.4	104.7	104.7	7.7	7.7	5.2	7.7	5.2	7.7	21	16	-	-	817187	807808	-	-	-	-		
					Bottom	7.9	0.3	137	22.0	7.8	7.8	29.9	29.9	105.4	105.5	7.7	7.7	5.2	7.7	7.7	5.2	22	16	-	-	817187	807808	-	-	-	-		
						7.9	0.3	138	22.0	7.8	7.8	29.9	29.9	105.5	105.5	7.7	7.7	5.2	7.7	7.7	5.2	22	16	-	-	817187	807808	-	-	-	-		
SR5A	Cloudy	Moderate	20:56	4.9	Surface	1.0	0.1	180	22.0	7.8	7.8	29.9	29.9	101.7	101.7	7.5	7.5	9.5	7.5	10	10	-	-	816596	810682	-	-	-	-				
						1.0	0.1	192	22.0	7.8	7.8	29.9	29.9	101.7	101.7	7.5	7.5	9.8	7.5	9.8	7.5	9	10	-	-	816596	810682	-	-	-	-		
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810682	-	-	-	-	
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816596	810682	-	-	-	-	
					Bottom	3.9	0.3	177	22.0	7.8	7.8	29.7	29.7	102.3	102.3	7.5	7.5	5.6	7.5	7													

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

**Water Quality Monitoring Results on 10 December 16 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	15:11	8.1	Surface	1.0	0.3	172	21.9	22.0	7.9	7.9	30.2	30.2	107.7	107.7	7.9	7.9	0.8	0.8	2	2	86	87	90	90	815602	804244	<0.2	<0.2	1.3	1.4		
						1.0	0.3	174	22.0	7.9	7.9	30.2	30.2	107.7	107.7	7.9	7.9	0.8	0.8	2	2	86	87	90	90	815602	804244	<0.2	<0.2	1.3	1.4			
					Middle	4.1	0.3	122	21.9	21.9	7.9	7.9	30.4	30.4	106.2	106.2	7.8	7.8	1.2	1.2	3	3	90	91	93	93	90	90	815602	804244	<0.2	<0.2	1.7	1.6
						4.1	0.4	125	21.9	21.9	7.9	7.9	30.4	30.4	106.2	106.2	7.8	7.8	1.3	1.3	3	3	90	91	93	93	90	90	815602	804244	<0.2	<0.2	1.6	1.6
					Bottom	7.1	0.4	97	21.9	21.9	7.8	7.8	30.3	30.3	104.8	104.8	7.7	7.7	2.6	2.6	4	4	93	94	94	94	90	90	815602	804244	<0.2	<0.2	1.6	1.5
						7.1	0.4	101	21.9	21.9	7.8	7.8	30.3	30.3	104.8	104.8	7.7	7.7	2.6	2.6	3	3	93	94	94	94	90	90	815602	804244	<0.2	<0.2	1.5	1.5
C2	Cloudy	Moderate	14:09	11.3	Surface	1.0	0.5	247	21.9	21.9	7.9	7.9	26.5	26.5	94.2	94.2	7.1	7.1	2.3	2.3	3	3	84	85	91	90	825685	806954	<0.2	<0.2	2.6	2.8		
						1.0	0.5	251	21.9	21.9	7.9	7.9	26.5	26.5	94.1	94.2	7.1	7.1	2.3	2.3	3	3	84	85	91	90	825685	806954	<0.2	<0.2	2.6	2.8		
					Middle	5.7	0.5	259	21.9	21.9	7.9	7.9	28.0	28.0	92.3	92.0	6.9	6.9	2.2	2.2	4	4	85	86	92	92	90	90	825685	806954	<0.2	<0.2	2.5	2.5
						5.7	0.5	267	21.9	21.9	7.9	7.9	28.0	28.0	92.0	92.2	6.9	6.9	2.3	2.3	4	4	85	86	92	92	90	90	825685	806954	<0.2	<0.2	2.5	2.5
					Bottom	10.3	0.6	253	22.1	22.1	7.9	7.9	29.5	29.6	92.2	92.2	6.8	6.8	3.0	3.0	4	4	89	90	94	94	90	90	825685	806954	<0.2	<0.2	2.5	2.5
						10.3	0.6	273	22.1	22.1	7.9	7.9	29.6	29.6	92.2	92.2	6.8	6.8	3.1	3.1	3	3	89	90	94	93	90	90	825685	806954	<0.2	<0.2	2.4	2.4
C3	Cloudy	Moderate	16:07	12.7	Surface	1.0	0.5	181	22.6	22.6	8.0	8.0	30.5	30.5	92.9	92.9	6.7	6.7	1.4	1.4	3	3	88	88	93	92	822092	817789	<0.2	<0.2	0.6	0.5		
						1.0	0.5	184	22.6	22.6	8.0	8.0	30.5	30.5	92.9	92.9	6.7	6.7	1.4	1.4	3	3	88	88	93	92	822092	817789	<0.2	<0.2	0.6	0.5		
					Middle	6.4	0.3	178	22.5	22.5	8.0	8.0	30.6	30.6	91.5	91.5	6.6	6.6	1.5	1.5	5	5	93	93	93	93	92	92	822092	817789	<0.2	<0.2	0.6	0.6
						6.4	0.3	187	22.5	22.5	8.0	8.0	30.6	30.6	91.5	91.5	6.6	6.6	1.5	1.5	5	5	93	93	93	93	92	92	822092	817789	<0.2	<0.2	0.6	0.6
					Bottom	11.7	0.3	155	22.5	22.5	8.0	8.0	30.6	30.6	89.6	89.6	6.5	6.5	3.9	3.9	4	4	94	94	94	94	90	90	822092	817789	<0.2	<0.2	0.9	0.9
						11.7	0.3	162	22.5	22.5	8.0	8.0	30.6	30.6	89.6	89.6	6.5	6.5	3.9	3.9	5	5	94	94	94	94	90	90	822092	817789	<0.2	<0.2	0.9	0.9
IM1	Fine	Moderate	14:48	7.1	Surface	1.0	0.3	184	22.1	22.1	7.9	7.9	30.1	30.1	106.3	106.3	7.8	7.8	0.9	0.9	4	4	87	88	90	91	818345	806458	<0.2	<0.2	1.0	1.1		
						1.0	0.3	201	22.1	22.1	7.9	7.9	30.0	30.1	106.2	106.3	7.8	7.8	0.9	0.9	3	3	88	88	90	91	818345	806458	<0.2	<0.2	1.0	1.1		
					Middle	3.6	0.4	157	21.8	21.8	7.9	7.9	30.4	30.4	104.5	104.5	7.7	7.7	1.3	1.3	6	6	90	91	93	93	90	90	818345	806458	<0.2	<0.2	1.0	0.9
						3.6	0.4	162	21.8	21.8	7.9	7.9	30.4	30.4	104.5	104.5	7.7	7.7	1.3	1.3	6	6	90	91	93	93	90	90	818345	806458	<0.2	<0.2	1.0	0.9
					Bottom	6.1	0.4	139	21.6	21.7	7.9	7.9	30.5	30.5	104.2	104.2	7.7	7.7	1.2	1.2	6	6	93	94	94	94	90	90	818345	806458	<0.2	<0.2	0.8	0.7
						6.1	0.4	145	21.7	21.7	7.9	7.9	30.5	30.5	104.2	104.2	7.7	7.7	1.2	1.2	6	6	93	94	94	94	90	90	818345	806458	<0.2	<0.2	0.8	0.7
IM2	Fine	Moderate	14:42	8.1	Surface	1.0	0.5	227	22.0	22.0	7.9	7.9	29.7	29.7	106.4	106.4	7.8	7.8	0.7	0.7	6	6	85	86	90	90	818833	806195	<0.2	<0.2	1.1	1.0		
						1.0	0.5	241	22.0	22.0	7.9	7.9	29.7	29.7	106.4	106.4	7.8	7.8	0.7	0.7	7	7	86	86	90	90	818833	806195	<0.2	<0.2	1.0	1.0		
					Middle	4.1	0.3	218	21.9	21.9	7.9	7.9	29.8	29.8	104.6	104.6	7.7	7.7	0.8	0.8	6	6	89	90	91	91	90	90	818833	806195	<0.2	<0.2	1.3	1.4
						4.1	0.4	228	21.9	21.9	7.9	7.9	29.8	29.8	104.6	104.6	7.7	7.7	0.9	0.9	7	7	90	91	93	93	90	90	818833	806195	<0.2	<0.2	1.4	1.4
					Bottom	7.1	0.4	208	21.7	21.7	7.9	7.9	30.2	30.2	104.3	104.3	7.7	7.7	1.2	1.2	7	7	93	94	94	94	90	90	818833	806195	<0.2	<0.2	1.2	1.2
						7.1	0.4	215	21.7	21.7	7.9	7.9	30.1	30.2	104.2	104.3	7.7	7.7	1.2	1.2	6	6	93	94	94	94	90	90	818833	806195	<0.2	<0.2	1.2	1.2
IM3	Fine	Moderate	14:34	8.3	Surface	1.0	0.4	226	22.0	22.0	7.9	7.9	29.8	29.8	105.3	105.3	7.7	7.7	0.8	0.8	5	5	86	86	90	89	819409	806037	<0.2	<0.2	1.3	1.3		
						1.0	0.4	241	22.0	22.0	7.9	7.9	29.8	29.8	105.2	105.3	7.7	7.7	0.9	0.9	4	4	86	86	90	89	819409	806037	<0.2	<0.2	1.3	1.3		
					Middle	4.2	0.3	250	21.9	21.9	7.9	7.9	29.8	29.8	105.1	105.1	7.7	7.7	1.1	1.1	6	6	89	90	92	92	89	89	819409	806037	<0.2	<0.2	1.0	1.2
						4.2	0.3	274	21.9	21.9	7.9	7.9	29.8	29.8	105.1	105.1	7.7	7.7	1.0	1.0	4	4	90	90	92	92	89	89	819409	806037	<0.2	<0.2	1.2	1.0
					Bottom	7.3	0.3	240	21.7	21.7	7.9	7.9	30.0	30.0	104.7	104.7	7.7	7.7	0.9	0.9	6	6	92	92	92	92	90	90	819409	806037	<0.2	<0.2	1.0	1.0
						7.3	0.3	242	21.7	21.7	7.9	7.9	30.0	30.0	104.7	104.7	7.7	7.7	0.9	0.9	4	4	92	92	92	92	90	90	819409	806037	<0.2	<0.2	1.0	1.0
IM4	Fine	Moderate	14:27	7.5	Surface	1.0	0.4	234	22.1	22.1	7.9	7.9	29.6	29.6	104.8	104.8	7.7	7.7	0.7	0.7	6	6	85	87	90	90	819579	805045	<0.2	<0.2	0.9	1.1		
						1.0	0.4	242	22.0	22.1	7.9	7.9	29.6	29.6	104.8	104.8	7.7	7.7	0.8	0.8	6	6	85	87	90	90	819579	805045	<0.2	<0.2	1.1	1.1		
					Middle	3.8	0.3	231	21.8	21.8	7.9	7.9	30.0	30.0	104.2	104.3	7.7	7.7	1.2	1.2	8	8	90	91	93	93	90	90	819579	805045	<0.2	<0.2	1.0	1.1
						3.8	0.3	245	21.8	21.8	7.9	7.9	30.0	30.0	104.3	104.3	7.7	7.7	1.2	1.2	8	8	90	91	93	93	90	90	819579	805045	<0.2	<0.2	1.1	1.1
					Bottom	6.5	0.3	218	21.7	21.7	7.9	7.9	30.0	30.0	104.0	104.0	7.7	7.7	2.4	2.4	9	9	93	93	93	93	90	90	819579	8050				



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

**Water Quality Monitoring Results on 10 December 16 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	08:38	8.3	Surface	1.0	0.6	215	21.9	21.9	7.9	7.9	31.2	31.2	102.1	102.1	7.5	7.4	2.9	6	6	86	88	815618	804243	<0.2	<0.2	0.5	0.7			
						1.0	0.6	226	21.9	7.9	7.9	31.2	31.2	102.1	102.1	7.4	7.4	3.0	5	5	85	88										
					Middle	4.2	0.6	216	22.0	22.0	7.9	7.9	31.0	31.0	101.7	101.7	7.4	7.4	3.8	4.1	6	6	88	88	<0.2	<0.2	0.6	0.7				
						4.2	0.6	221	21.9	22.0	7.9	7.9	31.0	31.0	101.7	101.7	7.4	7.4	3.8	4.1	6	6	89	88	<0.2	<0.2	0.6	0.7				
					Bottom	7.3	0.5	209	22.0	22.0	7.8	7.8	30.5	30.5	101.9	101.9	7.5	7.5	5.5	7.5	7	6	90	90	<0.2	<0.2	0.8	0.7				
						7.3	0.6	209	22.0	22.0	7.8	7.8	30.5	30.5	101.9	101.9	7.5	7.5	5.4	7.5	6	6	91	90	<0.2	<0.2	0.8	0.7				
C2	Cloudy	Moderate	10:31	11.9	Surface	1.0	0.3	100	22.0	22.0	8.0	8.0	28.8	28.8	94.4	94.4	7.0	6.9	2.1	3	3	84	90	825693	806927	<0.2	<0.2	0.9	1.1			
						1.0	0.3	101	22.0	22.0	8.0	8.0	28.8	28.8	94.4	94.4	7.0	6.9	2.1	3	3	85	90	<0.2	<0.2	1.0	1.1					
					Middle	6.0	0.4	102	21.9	21.9	8.0	8.0	28.9	28.9	91.7	91.7	6.8	6.8	5.0	6.6	2	3	92	90	<0.2	<0.2	0.8	1.1				
						6.0	0.4	106	21.9	21.9	8.0	8.0	28.9	28.9	91.7	91.7	6.8	6.8	5.0	6.6	2	3	91	90	<0.2	<0.2	0.8	1.1				
					Bottom	10.9	0.7	85	22.3	22.3	8.0	8.0	30.1	30.1	91.2	91.3	6.7	6.7	12.6	6.7	3	3	93	90	<0.2	<0.2	1.5	1.1				
						10.9	0.7	91	22.3	22.3	8.0	8.0	30.1	30.1	91.3	91.3	6.7	6.7	12.6	6.7	4	3	94	90	<0.2	<0.2	1.6	1.1				
C3	Cloudy	Moderate	08:19	12.2	Surface	1.0	0.7	168	22.5	22.5	7.9	7.9	30.6	30.6	85.8	85.8	6.2	6.2	3.1	4	4	88	92	822118	817793	<0.2	<0.2	1.0	0.9			
						1.0	0.7	176	22.5	22.5	7.9	7.9	30.6	30.6	85.8	85.8	6.2	6.2	3.1	6.2	4	3	89	92	<0.2	<0.2	0.9	0.9				
					Middle	6.1	0.5	170	22.5	22.5	7.9	7.9	30.7	30.7	85.7	85.7	6.2	6.2	3.3	2.9	4	3	92	92	<0.2	<0.2	0.8	0.9				
						6.1	0.5	173	22.5	22.5	7.9	7.9	30.7	30.7	85.7	85.7	6.2	6.2	3.3	2.9	2	3	93	92	<0.2	<0.2	0.8	0.9				
					Bottom	11.2	0.3	176	22.5	22.5	7.9	7.9	30.6	30.6	85.0	85.0	6.2	6.2	2.4	6.2	2	3	94	92	<0.2	<0.2	0.8	0.9				
						11.2	0.4	186	22.5	22.5	7.9	7.9	30.6	30.6	85.0	85.0	6.2	6.2	2.4	6.2	3	3	94	92	<0.2	<0.2	0.9	0.9				
IM1	Fine	Moderate	09:08	7.1	Surface	1.0	0.5	195	21.6	21.6	7.9	7.9	30.3	30.3	103.1	103.1	7.6	7.6	1.1	2	4	86	89	818348	806450	<0.2	<0.2	0.9	0.8			
						1.0	0.5	195	21.6	21.6	7.9	7.9	30.3	30.3	103.1	103.1	7.6	7.6	1.1	2.2	3	4	86	89	<0.2	<0.2	0.8	0.8				
					Middle	3.6	0.4	187	21.7	21.7	7.9	7.9	30.6	30.6	102.2	102.2	7.5	7.5	2.5	2.2	3	4	89	89	<0.2	<0.2	0.7	0.8				
						3.6	0.5	193	21.7	21.7	7.9	7.9	30.6	30.6	102.1	102.1	7.5	7.5	2.5	2.2	3	4	89	89	<0.2	<0.2	0.7	0.8				
					Bottom	6.1	0.4	180	21.7	21.7	7.8	7.8	30.5	30.5	102.0	102.0	7.5	7.5	3.0	7.5	5	4	92	89	<0.2	<0.2	0.7	0.8				
						6.1	0.4	183	21.7	21.7	7.8	7.8	30.5	30.5	102.0	102.0	7.5	7.5	3.0	7.5	5	4	93	89	<0.2	<0.2	0.8	0.8				
IM2	Fine	Moderate	09:14	8.3	Surface	1.0	0.5	211	21.5	21.5	7.9	7.9	30.3	30.3	104.7	104.7	7.7	7.7	0.8	2	4	85	88	818853	806203	<0.2	<0.2	0.9	0.9			
						1.0	0.5	220	21.5	21.5	7.9	7.9	30.3	30.3	104.7	104.7	7.7	7.7	0.9	7.7	2	4	85	88	<0.2	<0.2	0.8	0.9				
					Middle	4.2	0.5	209	21.5	21.5	7.9	7.9	30.2	30.2	104.0	104.0	7.7	7.7	0.9	1.3	4	4	88	88	<0.2	<0.2	1.0	0.9				
						4.2	0.5	225	21.5	21.5	7.9	7.9	30.2	30.2	104.0	104.0	7.7	7.7	0.9	1.3	4	4	88	88	<0.2	<0.2	1.0	0.9				
					Bottom	7.3	0.5	191	21.6	21.6	7.8	7.8	30.2	30.2	103.1	103.2	7.6	7.6	2.0	7.6	6	4	91	88	<0.2	<0.2	0.8	0.9				
						7.3	0.5	191	21.6	21.6	7.8	7.8	30.2	30.2	103.2	103.2	7.6	7.6	2.0	7.6	4	4	91	88	<0.2	<0.2	0.8	0.9				
IM3	Fine	Moderate	09:23	8.0	Surface	1.0	0.7	200	21.8	21.8	7.9	7.9	29.6	29.6	103.9	103.9	7.7	7.7	0.4	4	3	86	90	819405	806037	<0.2	<0.2	1.6	1.3			
						1.0	0.8	216	21.8	21.8	7.9	7.9	29.6	29.6	103.9	103.9	7.7	7.7	0.4	7.7	3	3	87	90	<0.2	<0.2	1.5	1.3				
					Middle	4.0	0.6	202	21.6	21.6	7.9	7.9	30.2	30.2	103.1	103.1	7.6	7.6	1.0	1.2	3	3	89	90	<0.2	<0.2	1.5	1.3				
						4.0	0.6	205	21.6	21.6	7.9	7.9	30.2	30.2	103.1	103.1	7.6	7.6	1.0	1.2	2	3	90	90	<0.2	<0.2	1.5	1.3				
					Bottom	7.0	0.5	208	21.6	21.6	7.9	7.9	30.7	30.7	102.4	102.4	7.5	7.5	2.1	7.5	3	3	92	90	<0.2	<0.2	0.9	1.3				
						7.0	0.6	220	21.6	21.6	7.9	7.9	30.7	30.7	102.4	102.4	7.5	7.5	2.1	7.5	3	3	93	90	<0.2	<0.2	0.9	1.3				
IM4	Fine	Moderate	09:32	7.6	Surface	1.0	0.6	210	21.7	21.7	7.9	7.9	29.8	29.8	103.9	103.9	7.7	7.7	1.1	2	3	86	89	819573	805037	<0.2	<0.2	1.5	1.4			
						1.0	0.6	217	21.7	21.7	7.9	7.9	29.8	29.8	103.9	103.9	7.7	7.7	1.1	7.7	3	3	86	89	<0.2	<0.2	1.6	1.4				
					Middle	3.8	0.5	204	21.5	21.5	7.9	7.9	30.3	30.3	103.5	103.5	7.6	7.6	1.9	1.6	2	3	88	89	<0.2	<0.2	1.5	1.4				
						3.8	0.5	208	21.5	21.5	7.9	7.9	30.3	30.3	103.5	103.5	7.6	7.6	1.7	1.6	2	3	88	89	<0.2	<0.2	1.4	1.4				
					Bottom	6.6	0.3	209	21.5	21.5	7.9	7.9	30.2	30.2	103.1	103.1	7.6	7.6	2.0	7.6	4	4	94	89	<0.2	<0.2	1.2	1.4				
						6.6	0.4	221	21.5	21.5	7.9	7.9	30.1	30.2	103.1	103.1	7.6	7.6	1.9	7.6	3	4	94	89	<0.2	<0.2	1.1	1.4				
IM5	Fine	Moderate	09:43	6.2	Surface	1.0	0.5	207	21.7	21.7	7.9	7.9	29.4	29.4	103.6	103.6	7.7	7.7	1.1	4	5	87	90	820551	804942	<0.2	<0.2	1.7	1.5			
						1.0	0.5	211	21.7	21.7	7.9	7.9	29.4	29.4	103.6	103.6	7.7	7.7	1.1	7.7	4	5	87	90	<0.2	<0.2	1.7	1.5				
					Middle	3.1	0.4	197	21.6	21.6	7.9	7.9	30.0	30.0	103.0	103.0	7.6	7.6	3.4	3.1	4	5	89	90	<0.2	<0.2	1.7	1.5				
						3.1	0.5	202	21.6	21.6	7.9	7.9	30.0	30.0	103.0	103.0	7.6	7.6	3.4	3.1	4	5	89	90	<0.2	<0.2	1.6	1.5				
					Bottom	5.2	0.4	192	21.6	21.6	7.9	7.9	30.1	30.1	102.7	102.7	7.6	7.6	4.7	7.6	8	5	93	90	<0.2	<0.2	1.0	1.5				
						5.2	0.4	198	21.6	21.6	7.9	7.9	30.1	30.1	102.6	102.6	7.6	7.6	4.7	7.6	8	5	93	90	<0.2	<0.2	1.0	1.5				
IM6	Fine	Moderate	09:52	6.4	Surface	1.0	0.4	203	21.8	21.8	7.9	7.9	29.7	29.7	103.3	103.3	7.6	7.6	1.4	3	4	87	91	821079	805822	<0.2	<					

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

**Water Quality Monitoring Results on 10 December 16 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	09:44	7.0	Surface	1.0	0.5	165	21.8	8.0	8.0	29.6	29.6	96.3	96.3	7.1	7.1	1.9	2.0	2	2	85	84	90	822096	808792	<0.2	<0.2	1.1	0.9			
						Middle	3.5	0.4	167	21.7	8.0	8.0	29.8	29.8	95.6	95.6	7.1	7.1	2.5	2.5	3	3	92	92	90	822096	808792	<0.2	<0.2	1.0	0.9		
							3.5	0.4	183	21.7	8.0	8.0	29.8	29.8	95.6	95.6	7.1	7.1	2.5	2.5	2	2	92	92	90	822096	808792	<0.2	<0.2	1.1	1.0		
					Bottom	6.0	0.5	171	21.7	8.0	8.0	30.1	30.1	95.3	95.3	7.0	7.0	2.1	2.1	2	2	94	93	90	822096	808792	<0.2	<0.2	1.1	1.0			
						6.0	0.5	184	21.7	8.0	8.0	30.1	30.1	95.3	95.3	7.0	7.0	2.1	2.1	2	2	94	93	90	822096	808792	<0.2	<0.2	1.1	1.0			
						6.0	0.5	178	21.8	8.0	8.0	29.6	29.6	96.3	96.3	7.1	7.1	2.0	2.0	2	2	85	84	90	822096	808792	<0.2	<0.2	1.1	0.9			
IM10	Cloudy	Moderate	09:36	7.6	Surface	1.0	0.5	143	21.9	8.0	8.0	29.7	29.7	96.4	96.4	7.1	7.1	2.5	2.5	4	3	85	85	90	822237	809823	<0.2	<0.2	1.5	1.4			
						Middle	3.8	0.5	140	21.9	8.0	8.0	29.7	29.7	96.8	96.8	7.1	7.1	3.1	3.1	3	3	92	92	90	822237	809823	<0.2	<0.2	1.3	1.1		
							3.8	0.5	143	21.9	8.0	8.0	29.7	29.7	96.8	96.8	7.1	7.1	3.1	3.1	2	2	92	92	90	822237	809823	<0.2	<0.2	1.1	1.1		
					Bottom	6.6	0.6	132	21.8	7.9	7.9	29.7	29.7	96.9	96.9	7.2	7.2	3.1	3.1	2	2	94	94	90	822237	809823	<0.2	<0.2	1.4	1.4			
						6.6	0.6	142	21.8	7.9	7.9	29.7	29.7	96.9	96.9	7.2	7.2	3.1	3.1	3	3	94	94	90	822237	809823	<0.2	<0.2	1.4	1.5			
						6.6	0.6	154	21.9	8.0	8.0	29.7	29.7	96.4	96.4	7.1	7.1	2.5	2.5	3	3	85	85	90	822237	809823	<0.2	<0.2	1.4	1.4			
IM11	Cloudy	Moderate	09:28	8.1	Surface	1.0	0.5	117	21.8	8.0	8.0	29.7	29.7	97.3	97.3	7.2	7.2	4.5	4.6	3	2	86	85	90	821501	810527	<0.2	<0.2	1.6	1.5			
						Middle	4.1	0.5	109	21.7	8.0	8.0	29.8	29.8	96.3	96.3	7.1	7.1	8.5	8.5	4	4	92	92	90	821501	810527	<0.2	<0.2	1.5	1.4		
							4.1	0.5	112	21.7	8.0	8.0	29.8	29.8	96.3	96.3	7.1	7.1	8.5	8.5	4	4	92	92	90	821501	810527	<0.2	<0.2	1.4	1.4		
					Bottom	7.1	0.5	102	21.7	8.0	8.0	29.9	29.9	95.3	95.3	7.0	7.0	23.0	23.0	4	4	93	93	90	821501	810527	<0.2	<0.2	1.4	1.4			
						7.1	0.5	104	21.7	8.0	8.0	29.9	29.9	95.3	95.3	7.0	7.0	23.0	23.0	4	4	94	94	90	821501	810527	<0.2	<0.2	1.4	1.4			
						7.1	0.5	127	21.8	8.0	8.0	29.7	29.7	97.3	97.3	7.2	7.2	4.6	4.6	2	2	85	85	90	821501	810527	<0.2	<0.2	1.5	1.5			
IM12	Cloudy	Moderate	09:17	9.2	Surface	1.0	0.6	106	21.9	8.0	8.0	30.1	30.1	93.1	93.1	6.9	6.9	4.7	4.7	4	5	87	87	91	821172	811512	<0.2	<0.2	1.3	1.2			
						Middle	4.6	0.5	109	21.9	8.0	8.0	30.1	30.1	92.3	92.3	6.8	6.8	4.5	4.5	5	5	92	93	91	821172	811512	<0.2	<0.2	1.2	1.3		
							4.6	0.5	113	21.9	8.0	8.0	30.1	30.1	92.3	92.3	6.8	6.8	4.5	4.5	5	5	93	93	91	821172	811512	<0.2	<0.2	1.3	1.3		
					Bottom	8.2	0.6	113	21.9	8.0	8.0	30.2	30.2	92.1	92.1	6.8	6.8	5.1	5.1	3	3	94	94	91	821172	811512	<0.2	<0.2	1.4	1.4			
						8.2	0.6	119	21.9	8.0	8.0	30.2	30.2	92.1	92.1	6.8	6.8	5.1	5.1	4	4	94	94	91	821172	811512	<0.2	<0.2	1.4	1.5			
						8.2	0.6	114	21.9	8.0	8.0	30.1	30.1	93.1	93.1	6.9	6.9	4.7	4.7	5	5	87	87	91	821172	811512	<0.2	<0.2	1.2	1.2			
SR2	Cloudy	Moderate	08:43	4.7	Surface	1.0	0.2	137	22.1	7.9	7.9	30.3	30.3	85.7	85.7	6.3	6.3	0.6	0.6	<2	<2	88	87	91	821481	814180	<0.2	<0.2	1.1	1.1			
						Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821481	814180	<0.2	<0.2	-	-
							2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821481	814180	<0.2	<0.2	-
					Bottom	3.7	0.3	138	22.1	7.9	7.9	30.3	30.3	85.7	85.7	6.3	6.3	0.6	0.6	<2	<2	94	94	91	821481	814180	<0.2	<0.2	1.3	1.3			
						3.7	0.3	143	22.1	7.9	7.9	30.3	30.3	85.7	85.7	6.3	6.3	0.6	0.6	2	2	94	94	91	821481	814180	<0.2	<0.2	1.3	1.3			
						3.7	0.3	144	22.1	7.9	7.9	30.3	30.3	85.7	85.7	6.3	6.3	0.6	0.6	2	2	94	94	91	821481	814180	<0.2	<0.2	1.3	1.3			
SR3	Cloudy	Moderate	09:58	8.9	Surface	1.0	0.5	167	21.8	8.0	8.0	28.8	28.8	95.2	95.2	7.1	7.1	1.8	1.8	<2	<2	-	-	-	822143	807561	-	-	-	-			
						Middle	4.5	0.4	167	21.9	8.0	8.0	29.4	29.4	95.2	95.2	7.0	7.0	2.1	2.1	<2	<2	-	-	-	-	-	822143	807561	-	-	-	-
							4.5	0.4	181	21.9	8.0	8.0	29.4	29.4	95.2	95.2	7.0	7.0	2.1	2.1	2	2	-	-	-	-	-	822143	807561	-	-	-	-
					Bottom	7.9	0.5	159	21.7	8.0	8.0	28.7	28.7	96.0	96.1	7.1	7.1	3.1	3.1	<2	<2	-	-	-	-	-	822143	807561	-	-	-	-	
						7.9	0.5	160	21.7	8.0	8.0	28.7	28.7	96.1	96.1	7.2	7.2	3.0	3.0	<2	<2	-	-	-	-	-	822143	807561	-	-	-	-	
						7.9	0.5	177	21.8	8.0	8.0	28.8	28.8	95.2	95.2	7.1	7.1	1.8	1.8	2	2	-	-	-	-	-	822143	807561	-	-	-	-	
SR4A	Fine	Moderate	08:17	8.4	Surface	1.0	0.3	107	21.7	7.9	7.9	31.1	31.1	100.9	100.9	7.4	7.4	3.7	3.7	3	3	-	-	-	817205	807829	-	-	-	-			
						Middle	4.2	0.3	130	21.7	7.8	7.8	30.9	30.9	100.8	100.8	7.4	7.4	3.4	3.4	4	4	-	-	-	-	-	817205	807829	-	-	-	-
							4.2	0.3	138	21.7	7.8	7.8	30.9	30.9	100.7	100.7	7.4	7.4	3.4	3.4	4	4	-	-	-	-	-	817205	807829	-	-	-	-
					Bottom	7.4	0.3	139	21.7	7.8	7.8	30.5	30.5	100.8	100.8	7.4	7.4	3.3	3.3	5	5	-	-	-	-	-	817205	807829	-	-	-	-	
						7.4	0.3	145	21.7	7.8	7.8	30.5	30.5	100.8	100.8	7.4	7.4	3.3	3.3	3	3	-	-	-	-	-	817205	807829	-	-	-	-	
						7.4	0.3	160	21.7	8.0	8.0	28.7	28.7	96.0	96.1	7.1	7.1	3.1	3.1	<2	<2	-	-	-	-	-	822143	807561	-	-	-	-	
SR5A	Fine	Calm	07:59	3.8	Surface	1.0	0.1	178	21.7	7.8	7.8	30.0	30.0	101.1	101.2	7.5	7.5	2.6	2.6	<2	<2	-	-	-	816607	810694	-	-	-	-			
						Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816607	810694	-	-	-	-
							1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816607	810694	-	-	-	-
					Bottom	2.8	0.1	174	21.7	7.7	7.7	29.4	29.4	101.5	101.5	7.5	7.5	2.9	2.9	<2	<2	-	-	-	-	-	816607	810694	-	-	-	-	
						2.8	0.1	176	21.7	7.7	7.7	29.4	29.4	101.5	101.5	7.5	7.5	2.9	2.9	2	2	-	-	-	-	-	816607	810694	-	-	-	-	
						2.8	0.1	194	21.7	7.8	7.8	30.0	30.0	101.2	10																		

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

**Water Quality Monitoring Results on 13 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Fine	Moderate	17:10	8.3	Surface	1.0	0.4	196	22.6	22.6	7.9	7.9	29.0	29.0	118.8	118.8	8.7	8.6	2.3	8.6	8	86	89	89	815621	804235	<0.2	<0.2	1.4	1.2				
						1.0	0.5	198	22.6	7.9	7.9	29.0	29.0	118.8	118.8	8.7	8.6	2.4	7	7	87	87	8	87	9	89	89	815621	804235	<0.2	<0.2	1.3	1.2	
					Middle	4.2	0.3	183	22.6	22.6	7.9	7.9	29.1	29.1	116.8	116.8	8.5	8.3	2.8	3.1	8	89	8	89	9	89	89	815621	804235	<0.2	<0.2	1.2	1.2	
						4.2	0.3	189	22.6	22.6	7.9	7.9	29.1	29.1	116.7	116.7	8.5	8.3	2.7	3.1	8	89	9	89	9	89	89	815621	804235	<0.2	<0.2	1.2	1.2	
					Bottom	7.3	0.4	164	22.4	22.4	7.9	7.9	29.5	29.5	112.9	112.9	8.3	8.3	4.3	8.3	4.3	8.3	11	91	11	91	92	815621	804235	<0.2	<0.2	1.0	0.9	
						7.3	0.4	173	22.4	22.4	7.9	7.9	29.5	29.5	112.8	112.8	8.2	8.3	4.3	8.3	4.3	8.3	12	92	12	92	92	815621	804235	<0.2	<0.2	0.9	0.9	
C2	Cloudy	Moderate	16:16	11.2	Surface	1.0	0.6	275	22.7	22.7	8.0	8.0	26.4	26.4	102.8	102.8	7.6	7.5	4.1	84	9	84	90	90	825667	806939	<0.2	<0.2	1.0	1.4				
						1.0	0.6	287	22.7	22.7	8.0	8.0	26.4	26.4	102.7	102.7	7.6	7.5	4.1	7.5	4.1	84	10	84	10	92	90	825667	806939	<0.2	<0.2	1.1	1.4	
					Middle	5.6	0.7	275	22.4	22.4	8.0	8.0	27.4	27.4	99.8	99.8	7.4	7.3	6.1	6.3	11	92	11	92	10	92	90	825667	806939	<0.2	<0.2	1.6	1.6	
						5.6	0.7	281	22.4	22.4	8.0	8.0	27.4	27.4	99.8	99.8	7.4	7.3	5.7	6.3	10	92	10	92	10	92	90	825667	806939	<0.2	<0.2	1.6	1.6	
					Bottom	10.2	0.6	275	22.3	22.3	8.0	8.0	28.0	28.0	98.2	98.2	7.3	7.3	8.9	7.3	8.9	7.3	9	93	9	93	93	825667	806939	<0.2	<0.2	1.4	1.4	
						10.2	0.7	288	22.3	22.3	8.0	8.0	28.0	28.0	98.2	98.2	7.3	7.3	8.9	7.3	8.9	7.3	10	93	10	93	93	825667	806939	<0.2	<0.2	1.4	1.4	
C3	Cloudy	Moderate	18:09	12.3	Surface	1.0	0.8	179	22.6	22.6	8.1	8.1	29.4	29.4	102.6	102.6	7.5	7.4	2.5	88	9	88	92	92	822105	817806	<0.2	<0.2	1.2	1.1				
						1.0	0.8	186	22.6	22.6	8.1	8.1	29.4	29.4	102.6	102.6	7.5	7.4	2.5	7.4	2.5	88	8	88	8	93	92	822105	817806	<0.2	<0.2	1.1	1.1	
					Middle	6.2	0.7	178	22.6	22.6	8.0	8.0	30.1	30.1	99.8	99.8	7.3	7.3	2.7	2.3	9	93	9	93	7	93	92	822105	817806	<0.2	<0.2	1.1	1.1	
						6.2	0.7	187	22.6	22.6	8.0	8.0	30.1	30.1	99.8	99.8	7.3	7.3	2.7	2.3	7	93	7	93	7	93	92	822105	817806	<0.2	<0.2	1.1	1.1	
					Bottom	11.3	0.4	179	22.4	22.4	8.0	8.0	30.3	30.3	103.8	103.8	7.6	7.6	1.6	7.6	1.6	7.6	7	94	7	94	95	822105	817806	<0.2	<0.2	1.1	0.9	
						11.3	0.4	194	22.4	22.4	8.0	8.0	30.3	30.3	103.8	103.8	7.6	7.6	1.6	7.6	1.6	7.6	8	95	8	95	95	822105	817806	<0.2	<0.2	0.9	0.9	
IM1	Fine	Moderate	16:49	6.9	Surface	1.0	0.5	182	22.4	22.4	7.9	7.9	29.3	29.4	109.3	109.3	8.0	8.0	2.2	85	8	85	10	88	818336	806461	<0.2	<0.2	1.2	1.1				
						1.0	0.5	198	22.4	22.4	7.9	7.9	29.4	29.4	109.3	109.3	8.0	8.0	2.2	8.0	2.2	86	8	86	10	88	818336	806461	<0.2	<0.2	1.3	1.1		
					Middle	3.5	0.4	183	22.3	22.3	7.9	7.9	29.5	29.5	108.0	108.0	7.9	7.9	1.9	2.1	12	87	12	87	11	87	818336	806461	<0.2	<0.2	1.0	1.1		
						3.5	0.4	192	22.3	22.3	7.9	7.9	29.5	29.5	108.0	108.0	7.9	7.9	2.0	2.1	11	87	11	87	11	87	818336	806461	<0.2	<0.2	0.9	1.1		
					Bottom	5.9	0.4	175	22.3	22.3	7.9	7.9	29.6	29.6	106.0	106.0	7.8	7.8	2.2	7.8	2.2	88	9	90	11	91	818336	806461	<0.2	<0.2	1.0	1.1		
						5.9	0.4	186	22.3	22.3	7.9	7.9	29.6	29.6	106.0	106.0	7.8	7.8	2.2	7.8	2.2	88	11	91	11	91	818336	806461	<0.2	<0.2	1.1	1.1		
IM2	Fine	Moderate	16:43	7.9	Surface	1.0	0.8	226	22.5	22.5	7.9	7.9	28.7	28.7	112.5	112.5	8.3	8.2	1.9	86	8	86	9	89	818843	806177	<0.2	<0.2	0.9	1.2				
						1.0	0.9	240	22.5	22.5	7.9	7.9	28.7	28.7	112.5	112.5	8.3	8.2	2.0	8.2	2.0	85	7	85	9	89	818843	806177	<0.2	<0.2	0.9	1.2		
					Middle	4.0	0.7	223	22.5	22.5	7.9	7.9	28.6	28.6	110.6	110.6	8.1	8.1	2.2	2.4	7	88	7	88	9	89	818843	806177	<0.2	<0.2	1.5	1.2		
						4.0	0.7	230	22.5	22.5	7.9	7.9	28.6	28.6	110.5	110.5	8.1	8.1	2.2	2.4	9	88	9	89	9	89	818843	806177	<0.2	<0.2	1.5	1.2		
					Bottom	6.9	0.6	213	22.3	22.3	7.9	7.9	29.2	29.2	107.1	107.1	7.9	7.9	2.9	7.9	2.9	90	10	92	10	92	818843	806177	<0.2	<0.2	1.3	1.2		
						6.9	0.7	216	22.3	22.3	7.9	7.9	29.2	29.2	107.1	107.1	7.9	7.9	3.0	7.9	3.0	90	12	92	12	92	818843	806177	<0.2	<0.2	1.2	1.2		
IM3	Fine	Moderate	16:36	7.8	Surface	1.0	0.5	225	22.4	22.4	7.9	7.9	29.0	29.0	111.4	111.4	8.2	8.2	2.7	86	7	86	7	89	819398	806001	<0.2	<0.2	1.2	1.1				
						1.0	0.6	237	22.4	22.4	7.9	7.9	29.0	29.0	111.4	111.4	8.2	8.2	2.7	8.2	2.7	86	8	86	7	89	819398	806001	<0.2	<0.2	1.4	1.1		
					Middle	3.9	0.6	235	22.4	22.4	7.9	7.9	28.9	28.9	109.9	109.9	8.1	8.1	2.6	3.1	6	88	6	88	7	90	819398	806001	<0.2	<0.2	1.0	0.9		
						3.9	0.6	244	22.4	22.4	7.9	7.9	28.9	28.9	109.9	109.9	8.1	8.1	2.6	3.1	7	88	7	89	7	90	819398	806001	<0.2	<0.2	0.9	0.9		
					Bottom	6.8	0.5	228	22.3	22.3	7.8	7.8	29.4	29.4	106.5	106.5	7.8	7.8	3.9	7.8	3.9	90	7	92	7	92	819398	806001	<0.2	<0.2	1.1	1.1		
						6.8	0.5	234	22.3	22.3	7.8	7.8	29.4	29.4	106.5	106.5	7.8	7.8	4.0	7.8	4.0	90	7	92	7	92	819398	806001	<0.2	<0.2	1.1	1.1		
IM4	Fine	Moderate	16:27	7.5	Surface	1.0	0.6	207	22.4	22.4	7.9	7.9	28.8	28.8	110.5	110.5	8.1	8.0	3.4	86	9	86	10	90	819550	805031	<0.2	<0.2	1.5	1.5				
						1.0	0.6	207	22.4	22.4	7.9	7.9	28.8	28.8	110.4	110.4	8.1	8.0	3.4	8.0	3.4	87	10	87	10	89	819550	805031	<0.2	<0.2	1.5	1.5		
					Middle	3.8	0.6	220	22.2	22.2	7.9	7.9	28.9	28.9	107.5	107.5	7.9	7.9	3.9	3.8	8	89	8	89	10	90	819550	805031	<0.2	<0.2	1.7	1.8		
						3.8	0.6	221	22.2	22.2	7.9	7.9	28.9	28.9	107.5	107.5	7.9	7.9	3.9	3.8	8	89	8	89	10	90	819550	805031	<0.2	<0.2	1.8	1.8		
					Bottom	6.5	0.5	212	22.1	22.1	7.8	7.8	29.5	29.5	105.0	105.0	7.7	7.7	4.1	7.7	4.1	90	12	92	12	92	819550	805031	<0.2	<0.2	1.3	1.4		
						6.5	0.5	225	22.1	22.1	7.8	7.8	29.4	29.5	105.0	105.0	7.7	7.7	4.1	7.7	4.1	90	12	92	12	92	819550	805031	<0.2	<0.2	1.4	1.4		
IM5	Fine	Moderate																																

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

**Water Quality Monitoring Results on 13 December 16 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	16:59	6.6	Surface	1.0	0.5	208	22.6	22.6	8.0	8.0	28.0	28.0	104.3			104.3	7.7	7.7	2.8	2.8	4	4
						1.0	0.6	219	22.6		8.0	8.0	28.0	28.0	104.2	104.2	7.7	7.7	2.8	2.8	3	3	85	85									
					Middle	3.3	0.5	220	22.4	22.4	8.0	8.0	28.3	28.3	102.9	102.9	7.6	7.6	3.0	3.0	4	4	92	92									
						3.3	0.5	225	22.4		8.0	8.0	28.3	28.3	102.9	102.9	7.6	7.6	3.0	3.0	4	4	93	93									
					Bottom	5.6	0.4	234	22.3	22.3	8.0	8.0	28.5	28.5	101.7	101.7	7.5	7.5	3.3	3.3	5	5	94	94									
						5.6	0.5	250	22.3		8.0	8.0	28.5	28.5	101.7	101.7	7.5	7.5	3.3	3.3	4	4	94	94									
IM10	Cloudy	Moderate	17:07	6.8	Surface	1.0	0.4	204	22.5	22.5	8.0	8.0	28.3	28.3	104.2	104.2	7.7	7.7	3.1	3.1	2	2	86	86	91	822238	809836	<0.2	<0.2	1.4	1.5		
						1.0	0.4	217	22.5		8.0	8.0	28.3	28.3	104.2	104.2	7.7	7.7	3.1	3.1	3	3	86	86									
					Middle	3.4	0.3	213	22.5	22.5	8.0	8.0	28.4	28.4	103.7	103.7	7.6	7.6	3.2	3.2	2	2	93	93									
						3.4	0.3	221	22.5		8.0	8.0	28.4	28.4	103.7	103.7	7.6	7.6	3.2	3.2	3	3	92	92									
					Bottom	5.8	0.3	185	22.4	22.4	8.0	8.0	28.4	28.4	101.2	101.2	7.5	7.5	3.3	3.3	5	5	93	93									
						5.8	0.3	187	22.4		8.0	8.0	28.4	28.4	101.2	101.2	7.5	7.5	3.2	3.2	3	3	94	94									
IM11	Cloudy	Moderate	17:14	8.1	Surface	1.0	0.4	193	22.5	22.5	8.0	8.0	28.3	28.3	104.4	104.4	7.7	7.7	2.9	2.9	4	4	86	86	91	821509	810562	<0.2	<0.2	1.5	1.3		
						1.0	0.5	198	22.5		8.0	8.0	28.3	28.3	104.4	104.4	7.7	7.7	2.9	2.9	2	2	87	87									
					Middle	4.1	0.3	203	22.4	22.4	8.0	8.0	28.4	28.4	103.5	103.5	7.6	7.6	3.2	3.2	3	3	93	93									
						4.1	0.3	222	22.4		8.0	8.0	28.4	28.4	103.5	103.5	7.6	7.6	3.2	3.2	3	3	93	93									
					Bottom	7.1	0.4	196	22.4	22.4	8.0	8.0	28.4	28.4	102.2	102.2	7.5	7.5	3.4	3.4	4	4	94	94									
						7.1	0.4	202	22.4		8.0	8.0	28.4	28.4	102.2	102.2	7.5	7.5	3.5	3.5	3	3	93	93									
IM12	Cloudy	Moderate	17:22	8.1	Surface	1.0	0.3	238	22.4	22.4	8.0	8.0	28.3	28.3	102.0	102.0	7.5	7.5	5.8	5.8	5	5	86	86	91	821172	811514	<0.2	<0.2	1.5	1.4		
						1.0	0.3	253	22.4		8.0	8.0	28.3	28.3	102.0	102.0	7.5	7.5	5.8	5.8	3	3	87	87									
					Middle	4.1	0.4	241	22.5	22.5	8.0	8.0	28.4	28.4	102.0	102.0	7.5	7.5	5.8	5.8	6	6	93	93									
						4.1	0.4	242	22.5		8.0	8.0	28.4	28.4	102.0	102.0	7.5	7.5	5.8	5.8	4	4	93	93									
					Bottom	7.1	0.3	235	22.4	22.4	8.0	8.0	28.9	28.9	100.9	100.9	7.4	7.4	8.6	8.6	6	6	94	94									
						7.1	0.4	242	22.4		8.0	8.0	28.9	28.9	100.9	100.9	7.4	7.4	8.6	8.6	6	6	94	94									
SR2	Cloudy	Moderate	17:45	3.8	Surface	1.0	0.3	222	22.5	22.5	8.0	8.0	28.5	28.5	106.7	106.7	7.8	7.8	3.3	3.3	3	3	88	88	91	821469	814149	<0.2	<0.2	1.4	1.2		
						1.0	0.3	224	22.5		8.0	8.0	28.5	28.5	106.7	106.7	7.8	7.8	3.3	3.3	4	4	87	87									
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						1.9	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	2.8	0.3	236	22.5	22.5	8.0	8.0	28.5	28.5	103.5	103.5	7.6	7.6	3.0	3.0	3	3	94	94									
						2.8	0.3	236	22.5		8.0	8.0	28.5	28.5	103.5	103.5	7.6	7.6	3.0	3.0	5	5	94	94									
SR3	Cloudy	Moderate	16:42	8.1	Surface	1.0	0.6	197	22.6	22.6	8.0	8.0	27.9	27.9	105.7	105.7	7.8	7.8	2.9	2.9	3	3	-	-	-	822157	807564	-	-	-	-		
						1.0	0.6	215	22.6		8.0	8.0	27.9	27.9	105.6	105.6	7.8	7.8	2.9	2.9	4	4	-	-	-								
					Middle	4.1	0.5	195	22.4	22.4	8.0	8.0	28.2	28.2	104.9	104.9	7.7	7.7	2.5	2.5	4	4	-	-	-								
						4.1	0.5	199	22.4		8.0	8.0	28.2	28.2	104.9	104.9	7.7	7.7	2.5	2.5	3	3	-	-	-								
					Bottom	7.1	0.4	211	22.4	22.4	8.0	8.0	28.6	28.6	104.6	104.6	7.7	7.7	3.5	3.5	4	4	-	-	-								
						7.1	0.4	222	22.4		8.0	8.0	28.6	28.6	104.6	104.6	7.7	7.7	3.5	3.5	5	5	-	-	-								
SR4A	Fine	Moderate	17:32	8.7	Surface	1.0	0.4	243	22.4	22.4	7.9	7.9	30.3	30.3	110.6	110.6	8.1	8.1	9.0	9.0	12	12	-	-	-	817182	807827	-	-	-	-		
						1.0	0.5	253	22.4		7.9	7.9	30.3	30.3	110.6	110.6	8.1	8.1	9.0	9.0	12	12	-	-	-								
					Middle	4.4	0.4	247	22.4	22.4	7.9	7.9	30.2	30.2	109.5	109.5	8.0	8.0	8.8	8.8	15	15	-	-	-								
						4.4	0.5	267	22.4		7.9	7.9	30.2	30.2	109.4	109.4	8.0	8.0	8.8	8.8	15	15	-	-	-								
					Bottom	7.7	0.4	245	22.3	22.3	7.9	7.9	29.9	29.9	107.0	107.0	7.8	7.8	9.5	9.5	17	17	-	-	-								
						7.7	0.4	262	22.3		7.9	7.9	29.8	29.9	106.9	106.9	7.8	7.8	9.5	9.5	17	17	-	-	-								
SR5A	Fine	Calm	17:52	3.5	Surface	1.0	0.3	300	22.4	22.4	7.9	7.9	30.4	30.4	111.1	111.1	8.1	8.1	3.2	3.2	6	6	-	-	-	816580	810685	-	-	-	-		
						1.0	0.3	316	22.4		7.9	7.9	30.4	30.4	111.0	111.0	8.1	8.1	3.3	3.3	5	5	-	-	-								
					Middle	1.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								
						1.8	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-									
					Bottom	2.5	0.2	301	22.4	22.4	7.9	7.9	30.2	30.2	108.8	108.8	7.9	7.9	3.4	3.4	6	6	-	-	-								

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

**Water Quality Monitoring Results on 13 December 16 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	11:39	8.3	Surface	1.0	0.6	207	22.2	22.2	7.9	7.9	29.8	29.8	112.5	112.5	8.2	8.0	2.6	3.6	5	8	85	89	815602	804242	<0.2	<0.2	0.8	0.9		
						1.0	0.6	221	22.2	7.9	7.9	29.8	29.8	112.4	112.4	8.2	8.0	2.6	3.6	5	8	86	89	85	89	<0.2	<0.2	0.9	0.9			
					Middle	4.2	0.6	222	22.0	22.0	7.9	7.9	29.8	29.8	106.9	106.9	7.9	7.8	3.2	3.6	7	8	89	89	89	89	<0.2	<0.2	0.8	0.8	0.8	0.9
						4.2	0.7	223	22.0	22.0	7.9	7.9	29.8	29.8	106.8	106.8	7.8	7.8	3.2	3.6	7	8	89	89	89	89	<0.2	<0.2	0.8	0.8	0.8	0.9
					Bottom	7.3	0.6	220	22.0	22.0	7.8	7.8	29.4	29.4	105.3	105.4	7.8	7.8	5.0	7.8	5.0	7.8	12	12	91	92	91	92	<0.2	<0.2	0.9	0.9
						7.3	0.6	220	22.0	22.0	7.8	7.8	29.3	29.4	105.4	105.4	7.8	7.8	4.7	7.8	4.7	7.8	12	12	92	92	92	92	<0.2	<0.2	0.9	0.9
C2	Cloudy	Moderate	13:19	11.7	Surface	1.0	0.4	105	22.6	22.6	8.0	8.0	27.8	27.8	102.1	101.9	7.5	7.5	3.9	6.8	4	6	84	90	825677	806936	<0.2	<0.2	1.5	1.6		
						1.0	0.4	109	22.5	22.6	8.0	8.0	27.8	27.8	101.7	101.9	7.5	7.5	4.3	6.8	5	6	85	92	85	92	<0.2	<0.2	1.5	1.5		
					Middle	5.9	0.4	97	22.3	22.3	8.0	8.0	27.9	27.9	99.5	99.5	7.4	7.4	6.4	7.1	6	4	92	6	92	90	825677	806936	<0.2	<0.2	1.5	1.4
						5.9	0.4	102	22.3	22.3	8.0	8.0	27.9	27.9	99.5	99.5	7.4	7.4	6.4	7.1	4	6	92	6	92	90	825677	806936	<0.2	<0.2	1.4	1.4
					Bottom	10.7	0.7	110	22.3	22.3	8.0	8.0	29.3	29.3	97.3	97.3	7.1	7.1	9.8	7.1	9.8	7.1	10	9	93	93	93	93	<0.2	<0.2	1.8	1.6
						10.7	0.7	111	22.3	22.3	8.0	8.0	29.3	29.3	97.3	97.3	7.1	7.1	9.8	7.1	9.8	7.1	9	9	93	93	93	93	<0.2	<0.2	1.8	1.6
C3	Cloudy	Moderate	11:14	12.0	Surface	1.0	0.7	177	22.4	22.4	8.0	8.0	30.3	30.3	96.9	96.9	7.1	7.1	3.1	3.1	6	5	88	92	822101	817814	<0.2	<0.2	0.9	0.9		
						1.0	0.7	194	22.4	22.4	8.0	8.0	30.3	30.3	96.9	96.9	7.1	7.1	3.1	3.1	4	5	89	92	89	92	<0.2	<0.2	0.9	0.9		
					Middle	6.0	0.7	167	22.6	22.6	8.0	8.0	30.4	30.4	96.0	96.0	7.0	7.0	2.6	6.7	4	5	93	5	93	92	822101	817814	<0.2	<0.2	1.0	0.9
						6.0	0.8	175	22.6	22.6	8.0	8.0	30.4	30.4	96.0	96.0	7.0	7.0	2.6	6.7	4	5	92	5	92	92	822101	817814	<0.2	<0.2	0.9	0.9
					Bottom	11.0	0.5	168	22.5	22.5	8.0	8.0	30.6	30.6	93.6	92.5	6.8	6.7	3.6	6.7	5	6	94	6	94	95	94	95	<0.2	<0.2	0.9	0.9
						11.0	0.6	183	22.5	22.5	8.0	8.0	30.6	30.6	91.4	92.5	6.6	6.7	3.7	6.7	6	6	95	6	95	95	95	95	<0.2	<0.2	0.9	0.9
IM1	Fine	Moderate	12:06	7.2	Surface	1.0	0.5	203	22.5	22.5	7.9	7.9	29.5	29.5	115.3	115.3	8.4	8.2	2.7	3.0	4	5	85	88	818352	806444	<0.2	<0.2	1.0	0.9		
						1.0	0.5	208	22.5	22.5	7.9	7.9	29.5	29.5	115.2	115.3	8.4	8.2	2.7	3.0	5	5	85	88	85	88	<0.2	<0.2	0.9	0.9		
					Middle	3.6	0.4	188	22.4	22.4	7.9	7.9	29.7	29.7	109.9	109.9	8.0	8.0	2.8	3.0	4	6	87	6	87	88	818352	806444	<0.2	<0.2	0.9	0.9
						3.6	0.5	190	22.4	22.4	7.9	7.9	29.7	29.7	109.8	109.9	8.0	8.0	2.8	3.0	6	6	88	6	88	88	818352	806444	<0.2	<0.2	0.9	0.9
					Bottom	6.2	0.4	190	22.0	22.0	7.8	7.8	29.7	29.7	105.1	105.1	7.7	7.7	3.4	7.7	7	7	90	6	90	90	818352	806444	<0.2	<0.2	0.8	0.9
						6.2	0.4	200	22.0	22.0	7.8	7.8	29.7	29.7	105.0	105.1	7.7	7.7	3.3	7.7	6	7	90	6	90	90	818352	806444	<0.2	<0.2	0.9	0.9
IM2	Fine	Moderate	12:12	8.1	Surface	1.0	0.7	201	22.7	22.7	7.9	7.9	29.6	29.6	118.5	118.5	8.6	8.5	3.0	3.1	4	6	85	89	818852	806197	<0.2	<0.2	1.0	0.9		
						1.0	0.8	219	22.7	22.7	7.9	7.9	29.6	29.6	118.5	118.5	8.6	8.5	2.9	3.1	5	6	86	6	86	89	818852	806197	<0.2	<0.2	1.0	0.9
					Middle	4.1	0.6	201	22.6	22.6	7.9	7.9	29.5	29.5	115.0	114.9	8.4	8.0	3.0	3.1	7	6	89	6	89	89	818852	806197	<0.2	<0.2	0.8	0.8
						4.1	0.6	210	22.6	22.6	7.9	7.9	29.5	29.5	114.8	114.9	8.4	8.0	3.0	3.1	7	6	89	6	89	89	818852	806197	<0.2	<0.2	0.8	0.8
					Bottom	7.1	0.5	201	22.3	22.3	7.9	7.9	29.7	29.7	108.8	108.8	8.0	8.0	3.3	8.0	6	8.0	92	7	92	93	818852	806197	<0.2	<0.2	0.8	0.7
						7.1	0.5	203	22.3	22.3	7.9	7.9	29.7	29.7	108.8	108.8	8.0	8.0	3.3	8.0	7	8.0	93	7	93	93	818852	806197	<0.2	<0.2	0.7	0.7
IM3	Fine	Moderate	12:21	8.2	Surface	1.0	0.6	198	22.6	22.6	7.9	7.9	29.3	29.3	115.8	115.8	8.4	8.3	2.9	3.3	5	6	85	88	819410	806015	<0.2	<0.2	0.8	0.8		
						1.0	0.6	210	22.6	22.6	7.9	7.9	29.3	29.3	115.8	115.8	8.4	8.3	2.9	3.3	5	6	85	6	85	88	819410	806015	<0.2	<0.2	0.8	0.8
					Middle	4.1	0.5	217	22.2	22.2	7.9	7.9	29.9	29.9	111.1	111.1	8.1	8.1	3.5	3.3	6	6	87	6	87	88	819410	806015	<0.2	<0.2	0.8	0.8
						4.1	0.6	219	22.2	22.2	7.9	7.9	29.9	29.9	111.1	111.1	8.1	8.1	3.5	3.3	6	6	87	6	87	88	819410	806015	<0.2	<0.2	0.9	0.9
					Bottom	7.2	0.5	211	22.0	22.0	7.8	7.8	30.0	30.0	105.6	105.7	7.8	7.8	3.5	7.8	5	7.8	90	6	90	91	819410	806015	<0.2	<0.2	0.6	0.6
						7.2	0.6	211	22.0	22.0	7.8	7.8	30.0	30.0	105.7	105.7	7.8	7.8	3.6	7.8	5	7.8	91	6	91	91	819410	806015	<0.2	<0.2	0.6	0.6
IM4	Fine	Moderate	12:30	7.7	Surface	1.0	0.8	190	22.6	22.6	7.9	7.9	29.2	29.2	113.6	113.5	8.3	8.2	3.0	3.8	7	7	86	88	819570	805024	<0.2	<0.2	1.2	1.0		
						1.0	0.8	195	22.6	22.6	7.9	7.9	29.2	29.2	113.4	113.5	8.3	8.2	3.0	3.8	6	7	86	7	86	88	819570	805024	<0.2	<0.2	1.1	1.0
					Middle	3.9	0.6	198	22.2	22.2	7.9	7.9	29.6	29.6	109.2	109.2	8.0	8.0	3.7	7.9	7	6	88	7	88	88	819570	805024	<0.2	<0.2	1.0	1.0
						3.9	0.6	216	22.2	22.2	7.9	7.9	29.6	29.6	109.1	109.1	8.0	8.0	3.7	7.9	6	6	88	7	88	88	819570	805024	<0.2	<0.2	1.0	1.0
					Bottom	6.7	0.6	205	22.0	22.0	7.9	7.9	30.3	30.3	107.4	107.4	7.9	7.9	4.7	7.9	8	7.9	91	7	91	91	819570	805024	<0.2	<0.2	0.7	0.7
						6.7	0.6	211	22.0	22.0	7.9	7.9	30.3	30.3	107.4	107.4	7.9	7.9	4.7	7.9	7	7.9	91	7	91	91	819570	805024	<0.2	<0.2	0.7	0.7
IM5	Fine	Moderate	12:40	6.5	Surface	1.0	0.7	186	22.6	22.6	7.9	7.9	28.8	28.8	113.6	113.6	8.3	8.3	2.8	5.2	6	8	86	89	820562	804909	<0.2	<0.2	1.1	1.1		
						1.0	0.7	198	22.6	22.6	7.9	7.9	28.8	28																		

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

**Water Quality Monitoring Results on 13 December 16 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	12:31	6.9	Surface	1.0	0.5	149	22.3	22.3	8.0	8.0	28.1	28.1	99.3	99.3	7.3	7.3	4.3	6.6	4	6	85	90	822105	808824	<0.2	<0.2	1.3	1.1							
						1.0	0.6	158	22.3	8.0	8.0	28.1	28.1	99.3	99.3	7.3	7.3	4.3	6.6	4	6	85	90	1.2					1.1								
					Middle	3.5	0.4	134	22.2	22.2	8.0	8.0	28.8	28.8	99.1	99.1	7.3	7.3	7.8	7.3	7.8	7.3	7.8	6.6					6	93	90	<0.2	<0.2	1.1	1.1		
						3.5	0.4	136	22.2	22.2	8.0	8.0	28.8	28.8	99.1	99.1	7.3	7.3	7.8	7.3	7.8	7.3	7.8	6.6					6	92	90	<0.2	<0.2	1.0	1.1		
					Bottom	5.9	0.4	110	22.2	22.2	8.0	8.0	29.4	29.4	99.1	99.1	7.3	7.3	7.8	7.3	7.8	7.3	7.8	6.6					6	93	90	<0.2	<0.2	0.9	1.0		
						5.9	0.4	110	22.2	22.2	8.0	8.0	29.4	29.4	99.1	99.1	7.3	7.3	7.8	7.3	7.8	7.3	7.8	6.6					6	93	90	<0.2	<0.2	1.0	1.0		
IM10	Cloudy	Moderate	12:23	7.0	Surface	1.0	0.6	131	22.4	22.4	8.0	8.0	18.8	18.8	100.2	100.2	7.8	7.6	5.3	7.1	5	8	86	91	822237	809851	<0.2	<0.2	0.8	1.2							
						1.0	0.6	143	22.4	22.4	8.0	8.0	18.8	18.8	100.2	100.2	7.8	7.6	5.3	7.1	5	8	86	91					0.8	1.2							
					Middle	3.5	0.4	104	22.3	22.3	8.0	8.0	28.7	28.7	99.8	99.8	7.4	7.4	7.2	7.1	7.2	7.1	7.2	7.1					5	8	92	91	<0.2	<0.2	1.4	1.2	
						3.5	0.5	111	22.3	22.3	8.0	8.0	28.7	28.7	99.8	99.8	7.4	7.4	7.2	7.1	7.2	7.1	7.2	7.1					5	8	92	91	<0.2	<0.2	1.4	1.2	
					Bottom	6.0	0.4	101	22.2	22.2	8.0	8.0	29.5	29.5	99.1	99.1	7.3	7.3	8.7	7.3	8.7	7.3	8.7	7.3					7.3	13	91	<0.2	<0.2	1.5	1.4		
						6.0	0.5	103	22.2	22.2	8.0	8.0	29.5	29.5	99.1	99.1	7.3	7.3	8.7	7.3	8.7	7.3	8.7	7.3					7.3	14	91	<0.2	<0.2	1.4	1.4		
IM11	Cloudy	Moderate	12:13	7.9	Surface	1.0	0.7	108	22.6	22.6	8.0	8.0	28.1	28.1	103.2	103.2	7.6	7.5	4.9	12.0	5	8	86	91	821484	810543	<0.2	<0.2	0.8	0.9							
						1.0	0.8	116	22.6	22.6	8.0	8.0	28.1	28.1	103.2	103.2	7.6	7.5	4.9	12.0	5	8	87	91					0.8	0.9							
					Middle	4.0	0.7	96	22.3	22.3	8.0	8.0	29.1	29.1	101.3	101.3	7.4	7.4	7.8	7.5	7.8	7.5	7.8	7.5					8	8	93	91	<0.2	<0.2	1.0	0.9	
						4.0	0.7	98	22.3	22.3	8.0	8.0	29.1	29.1	101.3	101.3	7.4	7.4	7.8	7.5	7.8	7.5	7.8	7.5					8	8	92	91	<0.2	<0.2	1.1	0.9	
					Bottom	6.9	0.6	93	22.1	22.1	8.0	8.0	29.6	29.6	98.7	98.7	7.3	7.3	23.4	7.3	23.4	7.3	23.4	7.3					7.3	9	91	<0.2	<0.2	0.8	0.8		
						6.9	0.6	100	22.1	22.1	8.0	8.0	29.6	29.6	98.7	98.7	7.3	7.3	23.4	7.3	23.4	7.3	23.4	7.3					7.3	10	91	<0.2	<0.2	0.8	0.8		
IM12	Cloudy	Moderate	12:03	8.9	Surface	1.0	0.7	109	22.4	22.4	8.0	8.0	29.0	29.0	101.2	101.2	7.4	7.4	6.0	7.1	5	8	87	91	821178	811503	<0.2	<0.2	1.0	1.1							
						1.0	0.7	109	22.4	22.4	8.0	8.0	29.0	29.0	101.1	101.1	7.4	7.4	6.0	7.1	5	8	87	91					1.0	1.1							
					Middle	4.5	0.5	106	22.2	22.2	8.0	8.0	29.4	29.4	98.9	98.9	7.3	7.3	6.8	7.1	6.7	7.1	7	8					93	91	<0.2	<0.2	1.4	1.1			
						4.5	0.5	109	22.2	22.2	8.0	8.0	29.4	29.4	98.9	98.9	7.3	7.3	6.7	7.1	6.7	7.1	7	8					92	91	<0.2	<0.2	1.3	1.1			
					Bottom	7.9	0.4	106	22.2	22.2	8.0	8.0	29.7	29.7	96.8	96.8	7.1	7.1	8.5	7.1	8.5	7.1	8.5	7.1					7.1	12	91	<0.2	<0.2	0.8	0.8		
						7.9	0.4	110	22.2	22.2	8.0	8.0	29.7	29.7	96.8	96.8	7.1	7.1	8.5	7.1	8.5	7.1	8.5	7.1					7.1	10	91	<0.2	<0.2	0.8	0.8		
SR2	Cloudy	Moderate	11:40	4.5	Surface	1.0	0.4	112	22.5	22.5	8.0	8.0	29.8	29.8	103.0	103.0	7.5	7.5	3.0	3.0	6	5	88	91	821473	814171	<0.2	<0.2	1.2	0.9							
						1.0	0.4	120	22.5	22.5	8.0	8.0	29.8	29.8	103.0	103.0	7.5	7.5	3.0	3.0	4	5	88	91					1.2	0.9							
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0					-	5	91	<0.2	<0.2	-	-		
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.0					-	5	91	<0.2	<0.2	-	-		
					Bottom	3.5	0.4	130	22.2	22.2	8.0	8.0	29.9	29.9	101.0	101.0	7.4	7.4	3.0	7.3	2.8	7.3	5	5					94	91	<0.2	<0.2	0.7	0.6			
						3.5	0.4	140	22.2	22.2	8.0	8.0	29.9	29.9	97.3	97.3	7.1	7.1	2.8	7.3	2.8	7.3	5	5					94	91	<0.2	<0.2	0.6	0.6			
SR3	Cloudy	Moderate	12:45	8.4	Surface	1.0	0.5	176	22.5	22.5	8.0	8.0	27.6	27.6	100.8	100.8	7.5	7.4	4.8	7.5	6	8	-	-	822142	807577	-	-	-	-							
						1.0	0.5	190	22.5	22.5	8.0	8.0	27.6	27.6	100.7	100.7	7.4	7.4	4.9	7.5	7	8	-	-					-	-							
					Middle	4.2	0.3	191	22.2	22.2	8.0	8.0	28.8	28.8	99.2	99.2	7.3	7.3	7.6	7.5	7.6	7.5	6	8					-	-	-	-	-	-			
						4.2	0.3	202	22.2	22.2	8.0	8.0	28.8	28.8	99.2	99.2	7.3	7.3	7.6	7.5	7.6	7.5	8	8					-	-	-	-	-	-			
					Bottom	7.4	0.5	145	22.1	22.1	8.0	8.0	29.7	29.7	99.5	99.5	7.3	7.3	9.9	7.3	9.9	7.3	9.9	7.3					7.3	8	-	-	-	-	-	-	
						7.4	0.6	151	22.1	22.1	8.0	8.0	29.7	29.7	99.5	99.5	7.3	7.3	9.9	7.3	9.9	7.3	9.9	7.3					7.3	10	-	-	-	-	-	-	
SR4A	Fine	Moderate	11:18	8.2	Surface	1.0	0.4	78	22.2	22.2	7.9	7.9	30.3	30.3	108.0	108.0	7.9	7.9	3.9	4.4	8	9	-	-	817193	807804	-	-	-	-							
						1.0	0.4	79	22.2	22.2	7.9	7.9	30.3	30.3	108.0	108.0	7.9	7.9	3.9	4.4	7	9	-	-					-	-							
					Middle	4.1	0.4	93	22.1	22.1	7.9	7.9	30.3	30.3	106.3	106.3	7.8	7.8	4.1	7.7	4.2	7.7	4.4	9					9	-	-	-	-	-	-		
						4.1	0.4	95	22.1	22.1	7.9	7.9	30.3	30.3	106.3	106.3	7.8	7.8	4.2	7.7	4.2	7.7	4.4	10					9	-	-	-	-	-	-		
					Bottom	7.2	0.3	112	22.1	22.1	7.8	7.8	30.2	30.2	105.3	105.3	7.7	7.7	5.2	7.7	5.3	7.7	5.3	7.7					4.4	10	9	-	-	-	-	-	-
						7.2	0.3	113	22.1	22.1	7.8	7.8	30.2	30.2	105.3	105.3	7.7	7.7	5.3	7.7	5.3	7.7	5.3	7.7					4.4	10	9	-	-	-	-	-	-
SR5A	Fine	Calm	10:57	4.0	Surface	1.0	0.1	164	22.4	22.4	7.8	7.8	30.5	30.5	114.4	114.4	8.3	8.3	2.6	3.2	8	10	-	-	816578	810699	-	-	-	-							
						1.0	0.1	173	22.4	22.4	7.8	7.8	30.5	30.5	114.4	114.4	8.3	8.3	2.7	3.2	9	10	-	-					-	-							
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2					-	10	-	-	-	-	-	-	
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2					-	10	-	-	-	-	-	-	
					Bottom	3.0	0.1	182	22.4	22.4	7.7	7.7	29.8	29.8	111.2	111.2	8.1	8.1	3.7	8.1	3.7	8.1	3.7	8.1					3.2	12	-	-	-	-	-	-	
						3.0	0.1	190	22.4	22.4	7.7	7.7	29.8	29.8	111.1	111.1	8.1	8.1	3																		

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

**Water Quality Monitoring Results on 15 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Rough	08:02	8.2	Surface	1.0	1.0	89	21.6	7.8	7.8	30.1	30.1	97.2	97.2	7.2	7.2	10.4	7.2	15	88	89	815604	804256	<0.2	<0.2	0.8	0.8		
						1.0	1.0	96	21.6	7.8	7.8	30.1	30.1	97.2	97.2	7.2	7.2	10.3	7.2	17	87	89	815604	804256	<0.2	<0.2	0.8	0.8		
					Middle	4.1	1.1	79	21.6	7.8	7.8	30.1	30.1	97.5	97.5	7.2	7.2	13.9	7.2	14.1	7.2	20	90	90	815604	804256	<0.2	<0.2	0.8	0.8
						4.1	1.2	83	21.6	7.8	7.8	30.1	30.1	97.5	97.5	7.2	7.2	14.1	7.2	20	90	90	815604	804256	<0.2	<0.2	0.8	0.8		
					Bottom	7.2	0.9	78	21.5	7.7	7.7	30.3	30.3	98.0	98.1	7.3	7.3	18.9	7.3	18.8	7.3	33	88	88	815604	804256	<0.2	<0.2	0.8	0.8
						7.2	1.0	83	21.5	7.7	7.7	30.3	30.3	98.1	98.1	7.3	7.3	18.8	7.3	36	88	88	815604	804256	<0.2	<0.2	0.8	0.8		
C2	Cloudy	Rough	09:40	12.4	Surface	1.0	0.5	214	21.9	8.0	8.0	28.0	28.0	100.3	100.3	7.5	7.5	6.6	7.5	9	85	90	825690	806956	<0.2	<0.2	1.2	1.1		
						1.0	0.5	226	21.9	8.0	8.0	28.0	28.0	100.3	100.3	7.5	7.5	6.6	7.5	9	85	90	825690	806956	<0.2	<0.2	1.2	1.1		
					Middle	6.2	0.6	178	21.9	8.0	8.0	28.0	28.0	98.6	98.6	7.3	7.3	10.5	7.3	10.7	7.3	13	92	92	825690	806956	<0.2	<0.2	1.0	1.1
						6.2	0.6	184	21.9	8.0	8.0	28.0	28.0	98.6	98.6	7.3	7.3	10.7	7.3	15	92	92	825690	806956	<0.2	<0.2	1.1	1.1		
					Bottom	11.4	0.5	173	21.9	8.0	8.0	28.1	28.1	97.9	97.9	7.3	7.3	22.4	7.3	22.4	7.3	26	93	93	825690	806956	<0.2	<0.2	1.0	1.0
						11.4	0.5	185	21.9	8.0	8.0	28.1	28.1	97.9	97.9	7.3	7.3	22.4	7.3	28	93	93	825690	806956	<0.2	<0.2	1.0	1.0		
C3	Cloudy	Moderate	07:37	11.5	Surface	1.0	0.6	263	22.2	8.0	8.0	29.8	29.8	98.7	98.7	7.2	7.2	11.1	7.2	7	89	92	822092	817820	<0.2	<0.2	0.6	0.7		
						1.0	0.6	263	22.2	8.0	8.0	29.8	29.8	98.7	98.7	7.2	7.2	11.2	7.2	8	88	92	822092	817820	<0.2	<0.2	0.7	0.7		
					Middle	5.8	0.5	267	22.2	8.0	8.0	29.8	29.8	98.2	98.2	7.2	7.2	17.0	7.2	17.0	7.2	15	93	93	822092	817820	<0.2	<0.2	0.7	0.7
						5.8	0.5	270	22.2	8.0	8.0	29.8	29.8	98.2	98.2	7.2	7.2	17.0	7.2	14	93	93	822092	817820	<0.2	<0.2	0.7	0.7		
					Bottom	10.5	0.5	267	22.2	8.0	8.0	29.8	29.8	98.0	98.0	7.2	7.2	24.8	7.2	24.1	7.2	15	94	94	822092	817820	<0.2	<0.2	0.7	0.7
						10.5	0.5	281	22.2	8.0	8.0	29.8	29.8	98.0	98.0	7.2	7.2	24.1	7.2	13	94	94	822092	817820	<0.2	<0.2	0.7	0.7		
IM1	Sunny	Rough	08:23	8.1	Surface	1.0	0.9	131	21.6	7.8	7.8	30.1	30.1	96.8	96.9	7.2	7.2	10.8	7.2	15	93	92	818338	806442	<0.2	<0.2	0.8	0.8		
						1.0	0.9	131	21.6	7.8	7.8	30.1	30.1	96.9	96.9	7.2	7.2	10.8	7.2	15	93	92	818338	806442	<0.2	<0.2	0.8	0.8		
					Middle	4.1	0.9	133	21.6	7.8	7.8	30.1	30.1	96.7	96.7	7.1	7.1	11.7	7.1	17	90	90	818338	806442	<0.2	<0.2	0.8	0.8		
						4.1	1.0	134	21.6	7.8	7.8	30.1	30.1	96.7	96.7	7.1	7.1	11.7	7.1	17	90	90	818338	806442	<0.2	<0.2	0.8	0.8		
					Bottom	7.1	0.9	140	21.5	7.8	7.8	30.3	30.3	96.3	96.3	7.1	7.1	20.1	7.1	20.1	7.1	20	93	93	818338	806442	<0.2	<0.2	0.8	0.8
						7.1	1.0	144	21.5	7.8	7.8	30.2	30.3	96.3	96.3	7.1	7.1	20.1	7.1	20	93	93	818338	806442	<0.2	<0.2	0.8	0.8		
IM2	Sunny	Rough	08:35	8.9	Surface	1.0	0.9	78	21.5	7.9	7.9	30.5	30.5	98.5	98.5	7.3	7.3	6.8	7.3	13	88	91	818871	806211	<0.2	<0.2	0.7	0.7		
						1.0	0.9	82	21.5	7.9	7.9	30.5	30.5	98.5	98.5	7.3	7.3	6.8	7.3	11	87	91	818871	806211	<0.2	<0.2	0.7	0.7		
					Middle	4.5	0.9	86	21.5	7.9	7.9	30.5	30.5	97.9	97.9	7.2	7.2	7.2	7.2	7.3	7.2	16	92	92	818871	806211	<0.2	<0.2	0.7	0.7
						4.5	1.0	94	21.5	7.9	7.9	30.5	30.5	97.9	97.9	7.2	7.2	7.3	7.2	16	92	92	818871	806211	<0.2	<0.2	0.7	0.7		
					Bottom	7.9	0.9	88	21.5	7.9	7.9	30.5	30.5	97.6	97.6	7.2	7.2	9.9	7.2	10.1	7.2	20	92	94	818871	806211	<0.2	<0.2	0.7	0.6
						7.9	0.9	96	21.5	7.9	7.9	30.5	30.5	97.6	97.6	7.2	7.2	10.1	7.2	18	94	94	818871	806211	<0.2	<0.2	0.6	0.6		
IM3	Sunny	Rough	08:41	8.8	Surface	1.0	0.8	71	21.5	7.9	7.9	30.4	30.4	98.2	98.2	7.3	7.3	7.6	7.3	10	90	92	819411	806001	<0.2	<0.2	0.7	0.8		
						1.0	0.8	73	21.5	7.9	7.9	30.4	30.4	98.2	98.2	7.3	7.3	7.6	7.3	10	90	92	819411	806001	<0.2	<0.2	0.8	0.8		
					Middle	4.4	0.7	64	21.5	7.9	7.9	30.4	30.4	97.9	97.9	7.2	7.2	9.5	7.2	9.6	7.2	13	94	93	819411	806001	<0.2	<0.2	0.8	0.8
						4.4	0.8	64	21.5	7.9	7.9	30.4	30.4	97.9	97.9	7.2	7.2	9.6	7.2	15	93	93	819411	806001	<0.2	<0.2	0.8	0.8		
					Bottom	7.8	0.7	102	21.5	7.9	7.9	30.6	30.6	97.6	97.6	7.2	7.2	16.7	7.2	16.5	7.2	14	93	93	819411	806001	<0.2	<0.2	0.9	0.9
						7.8	0.8	107	21.5	7.9	7.9	30.6	30.6	97.6	97.6	7.2	7.2	16.5	7.2	16	93	93	819411	806001	<0.2	<0.2	0.9	0.9		
IM4	Sunny	Rough	08:53	8.3	Surface	1.0	0.8	121	21.5	7.9	7.9	30.4	30.4	98.2	98.2	7.3	7.3	7.4	7.3	11	91	92	819577	805033	<0.2	<0.2	0.8	1.0		
						1.0	0.9	124	21.5	7.9	7.9	30.4	30.4	98.2	98.2	7.3	7.3	7.4	7.3	11	92	92	819577	805033	<0.2	<0.2	0.9	1.0		
					Middle	4.2	0.7	72	21.5	7.9	7.9	30.4	30.4	97.6	97.6	7.2	7.2	10.0	7.2	10.1	7.2	12	92	92	819577	805033	<0.2	<0.2	1.1	1.0
						4.2	0.7	73	21.5	7.9	7.9	30.4	30.4	97.6	97.6	7.2	7.2	10.1	7.2	13	92	92	819577	805033	<0.2	<0.2	1.0	1.0		
					Bottom	7.3	0.6	71	21.5	7.9	7.9	30.6	30.6	97.0	97.1	7.2	7.2	19.6	7.2	19.8	7.2	16	93	94	819577	805033	<0.2	<0.2	1.0	0.9
						7.3	0.7	74	21.5	7.9	7.9	30.5	30.6	97.1	97.1	7.2	7.2	19.8	7.2	14	94	94	819577	805033	<0.2	<0.2	0.9	0.9		
IM5	Sunny	Rough	09:15	7.1	Surface	1.0	0.7	105	21.5	7.9	7.9	30.3	30.3	97.7	97.7	7.2	7.2	9.8	7.2	16	89	92	820545	804916	<0.2	<0.2	1.0	1.1		
						1.0	0.7	108	21.5	7.9	7.9	30.3	30.3	97.7	97.7	7.2	7.2	9.9	7.2	15	90	90	820545	804916	<0.2	<0.2	1.1	1.1		
					Middle	3.6	0.8	135	21.5	7.9	7.9	30.3	30.3	97.3	97.3	7.2	7.2	14.2	7.2	14.4	7.2	18	91	93	820545	804916	<0.2	<0.2	1.2	1.2
						3.6	0.9	146	21.5	7.9	7.9	30.3	30.3	97.3	97.3	7.2	7.2	14.4	7.2	20	93	93	820545	804916	<0.2	<0.2	1.2	1.2		
					Bottom	6.1	0.8	121	21.5	7.9	7.9	30.3	30.3	97.2	97.2	7.2	7.2	15.9	7.2	15.8	7.2	20	93	93	820545	804916	<0.2	<0.2	0.9	1.0
						6.1	0.9	131	21.5	7.9	7.9	30.3	30.3	97.2	97.2	7.2	7.2	15.8	7.2											



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

**Water Quality Monitoring Results on 15 December 16 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	Sunny	Moderate	13:52	8.5	Surface	1.0	0.7	226	21.8	21.8	7.9	7.9	31.4	31.4	100.4	100.4	7.3	7.3	5.7	7.3	9	10	92	92	93	815607	804254	<0.2	<0.2	0.5	0.5
						1.0	0.7	234	21.8	7.9	7.9	31.4	31.4	100.3	100.3	7.3	7.3	6.2	6.3	10	10	92	92	93	815607	804254	<0.2	<0.2	0.5	0.5	
					Middle	4.3	0.7	216	21.8	21.8	7.9	7.9	31.4	31.4	99.9	99.9	7.3	7.3	6.1	6.3	11	10	94	94	93	815607	804254	<0.2	<0.2	0.4	0.4
						4.3	0.8	223	21.8	21.8	7.9	7.9	31.4	31.4	99.8	99.8	7.3	7.3	6.0	6.3	9	10	93	93	94	815607	804254	<0.2	<0.2	0.4	0.4
					Bottom	7.5	0.7	225	21.8	21.8	7.9	7.9	31.4	31.4	100.3	100.3	7.3	7.3	6.9	7.3	11	10	94	94	94	815607	804254	<0.2	<0.2	0.5	0.5
						7.5	0.8	231	21.8	21.8	7.9	7.9	31.4	31.4	100.3	100.3	7.3	7.3	6.9	7.3	11	10	94	94	94	815607	804254	<0.2	<0.2	0.5	0.5
C2	Cloudy	Rough	12:17	12.5	Surface	1.0	0.3	153	21.9	21.9	8.0	8.0	28.2	28.2	102.2	102.2	7.6	7.6	5.7	7.6	9	10	84	84	90	825697	806944	<0.2	<0.2	1.4	1.4
						1.0	0.4	153	21.9	21.9	8.0	8.0	28.2	28.2	102.2	102.2	7.6	7.6	5.6	6.2	9	10	84	84	90	825697	806944	<0.2	<0.2	1.4	1.4
					Middle	6.3	0.3	137	21.8	21.8	8.0	8.0	28.6	28.6	100.9	100.9	7.5	7.5	7.5	6.2	10	10	93	93	92	825697	806944	<0.2	<0.2	1.0	1.0
						6.3	0.3	137	21.8	21.8	8.0	8.0	28.6	28.6	100.9	100.9	7.5	7.5	7.5	6.2	10	10	92	92	92	825697	806944	<0.2	<0.2	1.2	1.2
					Bottom	11.5	0.3	179	21.8	21.8	8.1	8.1	29.0	29.0	101.2	101.2	7.5	7.5	5.5	7.5	11	10	94	94	94	825697	806944	<0.2	<0.2	1.3	1.3
						11.5	0.3	181	21.8	21.8	8.1	8.1	29.0	29.0	101.3	101.3	7.5	7.5	5.5	7.5	11	10	93	93	93	825697	806944	<0.2	<0.2	1.4	1.4
C3	Cloudy	Moderate	14:16	12.2	Surface	1.0	0.4	114	22.3	22.3	8.1	8.1	30.1	30.1	101.6	101.6	7.4	7.4	3.8	7.4	6	5	88	89	92	822103	817790	<0.2	<0.2	0.6	0.6
						1.0	0.4	119	22.3	22.3	8.1	8.1	30.1	30.1	101.6	101.6	7.4	7.4	3.9	6.9	5	8	89	93	93	822103	817790	<0.2	<0.2	0.6	0.6
					Middle	6.1	0.3	99	22.4	22.4	8.1	8.1	30.2	30.2	99.9	99.9	7.3	7.3	4.5	7.1	8	8	93	93	93	822103	817790	<0.2	<0.2	0.7	0.7
						6.1	0.3	107	22.4	22.4	8.1	8.1	30.2	30.2	99.8	99.8	7.3	7.3	4.6	7.1	7	8	93	93	93	822103	817790	<0.2	<0.2	0.8	0.8
					Bottom	11.2	0.4	107	22.4	22.4	8.0	8.0	30.4	30.4	97.1	97.1	7.1	7.1	12.3	7.1	10	10	95	94	95	822103	817790	<0.2	<0.2	0.6	0.6
						11.2	0.4	110	22.4	22.4	8.0	8.0	30.4	30.4	97.1	97.1	7.1	7.1	12.2	7.1	9	8	94	94	94	822103	817790	<0.2	<0.2	0.7	0.7
IM1	Sunny	Moderate	13:28	7.6	Surface	1.0	0.6	184	21.7	21.7	7.9	7.9	30.4	30.4	100.1	100.1	7.4	7.4	5.5	7.4	8	8	90	90	92	818361	806463	<0.2	<0.2	0.8	0.8
						1.0	0.6	196	21.7	21.7	7.9	7.9	30.4	30.4	100.0	100.0	7.4	7.4	5.8	6.2	8	15	90	92	92	818361	806463	<0.2	<0.2	0.9	0.9
					Middle	3.8	0.5	175	21.7	21.7	7.9	7.9	30.8	30.8	99.5	99.5	7.3	7.3	6.2	7.3	16	15	92	92	92	818361	806463	<0.2	<0.2	0.7	0.7
						3.8	0.5	192	21.7	21.7	7.9	7.9	30.8	30.8	99.5	99.5	7.3	7.3	6.2	7.3	18	15	92	92	92	818361	806463	<0.2	<0.2	0.7	0.7
					Bottom	6.6	0.5	155	21.7	21.7	7.9	7.9	31.0	31.0	100.0	100.0	7.3	7.3	6.7	7.4	19	15	94	94	94	818361	806463	<0.2	<0.2	0.7	0.7
						6.6	0.5	155	21.7	21.7	7.9	7.9	30.9	30.9	100.5	100.5	7.4	7.4	6.5	7.4	18	15	95	95	95	818361	806463	<0.2	<0.2	0.8	0.8
IM2	Sunny	Moderate	13:22	7.4	Surface	1.0	0.4	151	21.6	21.6	7.9	7.9	30.3	30.3	98.6	98.5	7.3	7.3	6.5	7.3	11	12	91	92	93	818870	806179	<0.2	<0.2	0.8	0.8
						1.0	0.4	160	21.6	21.6	7.9	7.9	30.3	30.3	98.3	98.5	7.3	7.3	6.7	7.3	12	13	92	92	93	818870	806179	<0.2	<0.2	0.9	0.9
					Middle	3.7	0.3	175	21.7	21.7	7.9	7.9	30.6	30.7	97.8	97.8	7.2	7.2	7.5	7.3	12	13	92	92	93	818870	806179	<0.2	<0.2	0.8	0.8
						3.7	0.3	184	21.7	21.7	7.9	7.9	30.7	30.7	97.7	97.8	7.2	7.2	7.8	7.3	14	13	93	93	93	818870	806179	<0.2	<0.2	0.8	0.8
					Bottom	6.4	0.3	192	21.7	21.7	7.9	7.9	30.9	30.9	98.4	98.7	7.2	7.2	8.0	7.3	13	13	95	95	95	818870	806179	<0.2	<0.2	0.7	0.7
						6.4	0.3	199	21.7	21.7	7.9	7.9	30.9	30.9	98.9	98.7	7.3	7.3	7.5	7.3	15	13	95	95	95	818870	806179	<0.2	<0.2	0.6	0.6
IM3	Sunny	Moderate	13:14	8.5	Surface	1.0	0.6	146	21.6	21.6	7.9	7.9	30.2	30.2	99.2	99.2	7.3	7.3	6.6	7.3	8	10	94	95	95	819407	806008	<0.2	<0.2	0.9	0.9
						1.0	0.7	148	21.6	21.6	7.9	7.9	30.2	30.2	99.2	99.2	7.3	7.3	6.6	7.3	10	10	95	95	95	819407	806008	<0.2	<0.2	0.8	0.8
					Middle	4.3	0.6	147	21.6	21.6	7.9	7.9	30.5	30.5	97.1	97.1	7.2	7.2	8.7	7.2	10	10	95	95	95	819407	806008	<0.2	<0.2	0.9	0.9
						4.3	0.6	158	21.6	21.6	7.9	7.9	30.5	30.5	97.1	97.1	7.2	7.2	8.5	7.2	9	10	95	95	95	819407	806008	<0.2	<0.2	0.8	0.8
					Bottom	7.5	0.6	167	21.6	21.6	7.9	7.9	30.8	30.8	97.5	97.9	7.2	7.2	9.4	7.2	12	10	95	95	95	819407	806008	<0.2	<0.2	0.7	0.7
						7.5	0.6	173	21.6	21.6	7.9	7.9	30.8	30.8	98.2	98.2	7.2	7.2	9.5	7.2	13	10	96	96	96	819407	806008	<0.2	<0.2	0.7	0.7
IM4	Sunny	Moderate	13:06	7.9	Surface	1.0	0.5	155	21.6	21.6	7.9	7.9	30.3	30.3	97.6	97.6	7.2	7.2	10.4	7.2	15	17	92	92	93	819551	805036	<0.2	<0.2	0.8	0.8
						1.0	0.6	167	21.6	21.6	7.9	7.9	30.3	30.3	97.6	97.6	7.2	7.2	10.5	7.2	16	17	92	92	93	819551	805036	<0.2	<0.2	0.7	0.7
					Middle	4.0	0.5	151	21.6	21.6	7.9	7.9	30.4	30.4	96.9	97.0	7.1	7.1	11.8	7.1	17	17	93	93	93	819551	805036	<0.2	<0.2	0.9	0.9
						4.0	0.5	154	21.6	21.6	7.9	7.9	30.4	30.4	97.0	97.0	7.1	7.1	11.9	7.1	19	17	93	93	93	819551	805036	<0.2	<0.2	0.9	0.9
					Bottom	6.9	0.5	151	21.6	21.6	7.9	7.9	30.6	30.6	96.4	96.5	7.1	7.1	18.9	7.1	18	17	94	94	94	819551	805036	<0.2	<0.2	0.7	0.7
						6.9	0.6	165	21.6	21.6	7.9	7.9	30.6	30.6	96.5	96.5	7.1	7.1	18.0	7.1	18	17	95	95	95	819551	805036	<0.2	<0.2	0.7	0.7
IM5	Sunny	Moderate	12:59	7.3	Surface	1.0	0.4	134	21.6	21.6	7.9	7.9	30.0	30.0	99.8	99.8	7.4	7.4	6.6	7.4	12	18	89	90	91	820557	804923	<0.2	<0.2	0.7	0.7
						1.0	0.5	144	21.6	21.6	7.9	7.9	30.0	30.0	99.8	99.8	7.4	7.4	6.7	7.4	11	18	90	90	91	820557					

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

**Water Quality Monitoring Results on 15 December 16 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	13:06	7.3	Surface	1.0	0.7	96	21.7	21.7	8.1	8.1	29.6	29.6	102.3	102.3	7.6	7.6	12.1	14.7	16	23	85	91	822106	808808	<0.2	<0.2	0.7	0.7								
						1.0	0.7	99	21.7		8.1	8.1	29.6	29.6	102.3	102.3	7.6		12.1		17		85															
					Middle	3.7	0.7	95	21.7	8.1	8.1	29.6	29.6	101.7	101.7	7.5	7.5	13.1	14.7	17	23	93	91	<0.2			<0.2		0.8		0.7							
						3.7	0.7	101	21.7	8.1	8.1	29.6	29.6	101.7	101.7	7.5		13.1		17		93																
					Bottom	6.3	0.6	94	21.7	8.1	8.1	29.6	29.6	101.9	101.9	7.5	7.5	19.1	14.7	37	23	93	91	<0.2					<0.2			0.7	0.7					
						6.3	0.7	95	21.7	8.1	8.1	29.6	29.6	101.9	101.9	7.5		18.7		35		94																
IM10	Cloudy	Rough	13:15	7.5	Surface	1.0	0.5	87	21.8	21.8	8.1	8.1	29.3	29.3	102.3	102.3	7.6	7.6	10.4	12.9	18	19	86	91	822229	809831		<0.2		<0.2		0.8		0.9				
						1.0	0.5	92	21.8		8.1	8.1	29.3	29.3	102.3	102.3	7.6		10.4		18		86															
					Middle	3.8	0.5	94	21.8	8.1	8.1	29.3	29.3	102.1	102.1	7.6	7.6	11.5	12.9	20	19	92	91	<0.2			<0.2	0.8			0.9							
						3.8	0.5	101	21.8	8.1	8.1	29.3	29.3	102.1	102.1	7.6		11.5		20		93																
					Bottom	6.5	0.4	95	21.8	8.1	8.1	29.3	29.3	102.6	102.6	7.6	7.6	16.8	12.9	21	19	94	91	<0.2				<0.2	0.9			0.9						
						6.5	0.4	102	21.8	8.1	8.1	29.3	29.3	102.6	102.6	7.6		16.8		19		93																
IM11	Cloudy	Rough	13:22	8.4	Surface	1.0	0.6	113	21.9	21.9	8.1	8.1	29.1	29.1	103.9	103.9	7.7	7.7	4.8	5.4	10	10	87	91	821503	810528			<0.2	<0.2			0.8	0.9				
						1.0	0.7	114	21.9		8.1	8.1	29.1	29.1	103.9	103.9	7.7		4.8		8		86															
					Middle	4.2	0.6	115	21.9	8.1	8.1	29.2	29.2	103.9	103.9	7.7	7.7	5.0	5.4	9	10	93	91	<0.2			<0.2		1.0		0.9							
						4.2	0.6	117	21.9	8.1	8.1	29.2	29.2	103.9	103.9	7.7		5.0		9		93																
					Bottom	7.4	0.5	112	21.9	8.1	8.1	29.3	29.3	105.9	106.0	7.8	7.8	6.2	5.4	14	10	94	91	<0.2				<0.2	0.8			0.8						
						7.4	0.5	121	21.9	8.1	8.1	29.3	29.3	106.0	106.0	7.8		6.3		12		93																
IM12	Cloudy	Rough	13:30	9.2	Surface	1.0	0.6	97	22.1	22.1	8.1	8.1	29.4	29.4	105.1	105.1	7.8	7.7	6.9	8.7	10	12	87	91	821158	811509			<0.2	<0.2			0.7	0.8				
						1.0	0.6	99	22.1		8.1	8.1	29.4	29.4	105.1	105.1	7.7		6.9		8		87															
					Middle	4.6	0.5	101	22.0	8.1	8.1	29.4	29.4	104.1	104.1	7.7	7.7	7.9	8.7	10	12	93	91	<0.2			<0.2		0.8		0.8							
						4.6	0.6	101	22.0	8.1	8.1	29.4	29.4	104.1	104.1	7.7		8.0		10		93																
					Bottom	8.2	0.5	104	22.0	8.1	8.1	29.4	29.4	105.6	105.6	7.8	7.8	11.3	8.7	16	12	94	91	<0.2				<0.2	0.8			0.8						
						8.2	0.5	104	22.0	8.1	8.1	29.4	29.4	105.6	105.6	7.8		11.3		15		94																
SR2	Cloudy	Moderate	13:53	4.2	Surface	1.0	0.5	108	22.2	22.2	8.1	8.1	29.6	29.6	105.3	105.3	7.7	7.7	6.3	6.6	7	11	88	91	821454	814174			<0.2	<0.2			0.8	0.8				
						1.0	0.5	116	22.2		8.1	8.1	29.6	29.6	105.3	105.3	7.7		6.4		9		88															
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-		-		-		-	-	-	-
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-		-		-		-	-	-	-
					Bottom	3.2	0.4	96	22.2	8.1	8.1	29.6	29.6	105.4	105.6	7.7	7.8	7.2	6.6	15	11	94	91	<0.2			<0.2	0.7	0.7									
						3.2	0.5	98	22.2	8.1	8.1	29.6	29.6	105.7	105.6	7.8		6.3		14		94																
SR3	Cloudy	Rough	12:49	9.0	Surface	1.0	0.6	96	21.7	21.7	8.1	8.1	29.6	29.6	100.9	100.9	7.5	7.5	12.2	16.0	11	15	-	-	822132	807586		-		-	-	-						
						1.0	0.6	105	21.7		8.1	8.1	29.6	29.6	100.9	100.9	7.5		12.2		9		-															
					Middle	4.5	0.6	86	21.7	8.1	8.1	29.6	29.6	100.5	100.5	7.4	7.4	13.8	16.0	14	15	-	-	-				<0.2			-		-					
						4.5	0.6	91	21.7	8.1	8.1	29.6	29.6	100.5	100.5	7.4		13.7		13		-																
					Bottom	8.0	0.6	85	21.7	8.1	8.1	29.7	29.7	100.1	100.1	7.4	7.4	22.2	16.0	21	15	-	-	-			<0.2		-		-							
						8.0	0.6	92	21.7	8.1	8.1	29.7	29.7	100.1	100.1	7.4		22.1		23		-																
SR4A	Cloudy	Moderate	14:17	8.2	Surface	1.0	0.4	100	21.6	21.6	7.9	7.9	30.6	30.6	98.8	98.8	7.3	7.3	6.7	7.4	12	13	-	-	817205	807818			-	-		-		-				
						1.0	0.4	104	21.6		7.9	7.9	30.6	30.6	98.8	98.8	7.3		6.8		12		-															
					Middle	4.1	0.3	96	21.6	7.9	7.9	30.6	30.6	98.2	98.2	7.2	7.3	7.3	7.4	14	13	-	-	-				<0.2	-			-						
						4.1	0.3	104	21.6	7.9	7.9	30.6	30.6	98.1	98.1	7.2		7.1		12		-																
					Bottom	7.2	0.3	99	21.6	7.9	7.9	30.7	30.7	98.8	98.9	7.3	7.3	8.8	7.4	13	13	-	-	-			<0.2		-		-							
						7.2	0.4	108	21.6	7.9	7.9	30.7	30.7	99.0	98.9	7.3		7.9		13		-																
SR5A	Cloudy	Calm	14:33	3.8	Surface	1.0	0.2	104	22.2	22.2	8.0	8.0	30.4	30.4	117.4	117.4	8.6	8.6	5.7	5.3	8	11	-	-	816595	810685			-	-			-	-				
						1.0	0.3	111	22.2		8.0	8.0	30.4	30.4	117.4	117.4	8.6		5.8		7		-															
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-		-	-	-	-
						1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-			-	-		-	-	-	-
					Bottom	2.8	0.2	119	22.2	8.0	8.0	30.3	30.3	116.6	116.4	8.5	8.5	4.7	5.3	13	11	-	-	-			<0.2	-	-									
						2.8	0.2	130	22.2	8.0	8.0	30.3	30.3	116.1	116.1	8.5		4.9		14		-																
SR6	Cloudy	Moderate	14:56	3.9	Surface	1.0	0.1	162	22.2	22.2	8.0	8.0	30.1	30.1	113.0	113.0	8.3	8.3	1.3	1.5	7	11	-	-	817916	814662		-		-	-	-						
						1.0	0.1	165	22.2		8.0	8.0	30.1	30.1	112.9	113.0	8.3		1.3		7		-															
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			-		-	-	-	-	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-			-		-	-	-	-	-	
					Bottom	2.9	0.1	162	22.2	7.9	7.9	30.1	30.1	110.2	110.0	8.1	8.1	1.6	1.5	16	11	-	-	-			<0.2	-	-									
						2.9	0.1	173	22.1	7.9	7.9	30.1	30.1	109.7	110.0	8.0		1.7		14		-																
SR7	Cloudy	Moderate	14:44	16.2	Surface	1.0	0.5	82	22.3	22.3	8.1	8.1	30.2	30.3	99.9	99.9	7.3	7.3	3.9	4.5	7	7	-	-	823643	823741		-		-	-	-						
						1.0	0.6	86	22.3		8.1	8.1	30.3	30.3	99.9	99.9	7.3		3.8		6		-															
					Middle	8.1	0.5	86	22.3	8.1	8.1	30.3	30.3	99.7	99.7	7.3	7.3	4.8	4.5	6	7	-	-	-				<0.2			-		-					
						8.1	0.5	86	22.3	8.1	8.1	30.3	30.3	99.7	99.7	7.3		4.8																				

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

**Water Quality Monitoring Results on 17 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	09:34	8.4	Surface	1.0	0.7	90	20.8	20.8	7.9	7.9	30.9	30.9	97.9	97.9	7.3	7.3	33.5	33.8	20	20	99	99	815613	804257	<0.2	<0.2	0.6	0.7		
						1.0	0.7	97	20.8	7.9	7.9	30.9	30.9	97.9	97.9	7.3	7.3	33.8	35.4	20	22	99	100									
					Middle	4.2	0.7	69	20.7	20.7	7.9	7.9	30.7	30.7	97.8	97.8	7.3	7.3	36.9	36.8	22	21	100	101								
						4.2	0.7	74	20.7	20.7	7.9	7.9	30.7	30.7	97.7	97.8	7.3	7.3	36.8	35.4	21	24	101	101								
					Bottom	7.4	0.6	88	20.7	20.7	7.9	7.9	30.6	30.6	98.1	98.1	7.3	7.3	35.8	35.3	24	24	101	101								
						7.4	0.7	91	20.7	20.7	7.9	7.9	30.6	30.6	98.1	98.1	7.3	7.3	35.3	35.3	24	24	101	101								
C2	Cloudy	Moderate	11:02	12.1	Surface	1.0	0.4	259	21.0	21.0	8.0	8.0	28.6	28.6	99.1	99.1	7.5	7.5	7.7	7.9	6	6	85	85	825683	806937	<0.2	<0.2	1.0	1.2		
						1.0	0.5	265	21.0	21.0	8.0	8.0	28.6	28.6	99.1	99.1	7.5	7.5	7.9	13.5	8	7	85	92								
					Middle	6.1	0.5	198	20.9	20.9	8.0	8.0	28.7	28.7	97.0	97.0	7.3	7.3	14.7	14.8	8	7	92	92								
						6.1	0.5	213	20.9	20.9	8.0	8.0	28.7	28.7	97.0	97.0	7.3	7.3	14.8	18.0	7	7	92	93								
					Bottom	11.1	0.4	130	20.9	20.9	8.0	8.0	28.8	28.8	97.0	97.1	7.3	7.3	18.0	18.0	7	8	93	93								
						11.1	0.4	137	20.9	20.9	8.0	8.0	28.8	28.8	97.1	97.1	7.3	7.3	18.0	18.0	8	8	93	93								
C3	Cloudy	Moderate	09:02	11.7	Surface	1.0	0.6	273	21.2	21.2	8.1	8.1	30.1	30.1	100.5	100.5	7.5	7.5	11.8	11.8	17	18	88	88	822113	817804	<0.2	<0.2	0.6	0.6		
						1.0	0.6	285	21.2	21.2	8.1	8.1	30.1	30.1	100.5	100.5	7.5	7.5	11.8	17.1	17	17	88	93								
					Middle	5.9	0.6	274	21.2	21.2	8.1	8.1	30.1	30.1	100.1	100.1	7.5	7.5	14.6	14.6	17	17	93	93								
						5.9	0.6	286	21.2	21.2	8.1	8.1	30.1	30.1	100.1	100.1	7.5	7.5	14.6	25.0	17	26	93	95								
					Bottom	10.7	0.6	270	21.2	21.2	8.1	8.1	30.1	30.1	100.1	100.1	7.5	7.5	25.0	25.0	26	27	95	94								
						10.7	0.6	273	21.2	21.2	8.1	8.1	30.1	30.1	100.1	100.1	7.5	7.5	25.0	25.0	27	27	94	94								
IM1	Cloudy	Moderate	09:53	7.5	Surface	1.0	0.6	91	20.7	20.7	7.8	7.8	30.1	30.1	97.8	97.8	7.4	7.4	10.1	10.1	17	16	101	101	818368	806468	<0.2	<0.2	0.7	0.7		
						1.0	0.6	91	20.7	20.7	7.8	7.8	30.1	30.1	97.8	97.8	7.4	7.4	10.1	13.1	16	17	101	103								
					Middle	3.8	0.6	137	20.6	20.6	7.8	7.8	29.9	29.9	97.4	97.4	7.3	7.3	12.7	12.8	17	17	103	104								
						3.8	0.6	144	20.6	20.6	7.8	7.8	29.9	29.9	97.4	97.4	7.3	7.3	12.8	16.3	17	16	104	104								
					Bottom	6.5	0.5	155	20.6	20.6	7.8	7.8	29.4	29.4	97.5	97.5	7.4	7.4	16.3	16.4	16	18	104	104								
						6.5	0.5	164	20.6	20.6	7.7	7.8	29.4	29.4	97.5	97.5	7.4	7.4	16.4	16.4	18	18	104	104								
IM2	Cloudy	Moderate	10:02	8.7	Surface	1.0	0.6	76	20.8	20.8	7.8	7.8	30.2	30.2	97.1	97.1	7.3	7.3	15.5	15.5	12	11	100	100	818841	806178	<0.2	<0.2	0.6	0.7		
						1.0	0.6	78	20.8	20.8	7.8	7.8	30.2	30.2	97.1	97.1	7.3	7.3	15.5	17.9	11	12	100	101								
					Middle	4.4	0.5	93	20.7	20.7	7.8	7.8	30.1	30.1	96.9	96.9	7.3	7.3	19.2	19.3	12	14	101	101								
						4.4	0.6	99	20.7	20.7	7.8	7.8	30.1	30.1	96.9	96.9	7.3	7.3	19.3	18.7	14	15	101	103								
					Bottom	7.7	0.5	91	20.7	20.7	7.8	7.8	29.8	29.8	97.1	97.1	7.3	7.3	18.7	19.0	15	15	103	103								
						7.7	0.5	96	20.7	20.7	7.8	7.8	29.8	29.8	97.1	97.1	7.3	7.3	19.0	19.0	15	15	103	103								
IM3	Cloudy	Moderate	10:09	8.6	Surface	1.0	0.6	97	20.8	20.8	7.9	7.9	30.1	30.1	96.5	96.5	7.2	7.2	7.0	7.0	25	26	101	102	819413	806038	<0.2	<0.2	1.0	1.0		
						1.0	0.7	101	20.8	20.8	7.9	7.9	30.1	30.1	96.5	96.5	7.2	7.2	7.0	7.9	26	27	102	104								
					Middle	4.3	0.6	101	20.8	20.8	7.9	7.9	30.1	30.1	96.3	96.3	7.2	7.2	7.9	8.0	27	27	104	104								
						4.3	0.7	104	20.8	20.8	7.9	7.9	30.1	30.1	96.3	96.3	7.2	7.2	8.0	8.8	27	27	104	105								
					Bottom	7.6	0.6	102	20.7	20.7	7.8	7.8	29.9	29.9	96.8	96.8	7.3	7.3	8.7	8.8	27	27	105	105								
						7.6	0.6	103	20.7	20.7	7.8	7.8	29.9	29.9	96.8	96.8	7.3	7.3	8.8	8.8	27	27	105	105								
IM4	Cloudy	Moderate	10:14	8.1	Surface	1.0	0.6	59	20.9	20.9	7.9	7.9	30.1	30.1	96.8	96.8	7.3	7.3	6.5	6.5	17	18	101	102	819564	805058	<0.2	<0.2	0.9	0.8		
						1.0	0.7	64	20.9	20.9	7.9	7.9	30.1	30.1	96.8	96.8	7.3	7.3	6.5	7.1	18	18	102	103								
					Middle	4.1	0.6	78	20.8	20.8	7.9	7.9	30.2	30.2	96.4	96.4	7.2	7.2	7.6	7.2	18	18	104	103								
						4.1	0.7	84	20.8	20.8	7.9	7.9	30.2	30.2	96.4	96.4	7.2	7.2	7.2	7.4	18	19	103	104								
					Bottom	7.1	0.6	80	20.7	20.7	7.9	7.9	30.3	30.3	96.2	96.2	7.2	7.2	7.4	7.3	19	17	104	105								
						7.1	0.6	87	20.7	20.7	7.9	7.9	30.3	30.3	96.2	96.2	7.2	7.2	7.3	7.3	17	17	105	105								
IM5	Cloudy	Moderate	10:24	7.0	Surface	1.0	0.8	77	20.9	20.9	7.9	7.9	30.1	30.1	96.8	96.8	7.2	7.2	6.6	6.6	13	13	101	101	820569	804935	<0.2	<0.2	0.8	0.8		
						1.0	0.8	80	20.9	20.9	7.9	7.9	30.1	30.1	96.7	96.7	7.2	7.2	6.6	7.0	13	14	101	102								
					Middle	3.5	0.6	76	20.8	20.8	7.9	7.9	30.3	30.3	96.4	96.4	7.2	7.2	7.1	7.1	14	15	102	103								
						3.5	0.6	79	20.8	20.8	7.9	7.9	30.3	30.3	96.4	96.4	7.2	7.2	7.1	7.4	15	20	103	104								
					Bottom	6.0	0.5	78	20.7	20.7	7.9	7.9	30.4	30.4	96.3	96.3	7.2	7.2	7.4	7.4	20	19	104	104								
						6.0	0.5	83	20.7	20.7	7.9	7.9	30.4	30.4	96.3	96.3	7.2	7.2	7.4	7.4	19	19	104	104								
IM6	Cloudy	Moderate	10:30	7.1	Surface	1.0	0.7	57	20.9	20.9	7.9	7.9	30.1	30.1	96.9	96.9	7.3	7.3	6.1	6.1	12	13	102	101	821069	805831	<0.2	<0.2	0.9	1.0		
						1.0	0.8	59	20.9	20.9	7.9	7.9	30.1	30.1	96.9	96.9	7.3	7.3	6.1	7.0	13	15	101	103								
					Middle	3.6	0.6	61	20.8	20.8	7.9	7.9	30.3	30.3	96.3	96.3	7.2	7.2	7.3	7.4	15	14	103	103								
						3.6	0.6	64	20.8	20.8	7.9	7.9	30.3	30.3	96.3	96.3	7.2	7.2	7.4	7.5	14	23	103	104								
					Bottom	6.1	0.7	81	20.8	20.8	7.9	7.9	30.4	30.4	96.2	96.2	7.2	7.2	7.5	7.5	23	22	104	104								
						6.1	0.7	84	20.8	20.8	7.9	7.9	30.4	30.4	96.2	96.2	7.2	7.2	7.5	7.5	22	22	104	104								
IM7	Cloudy	Moderate	10:41	8.4	Surface	1.0	0.8	57	20.9	20.9	7.9	7.9	30.2	30.2	96.7	96.7	7.2	7.2	6.6	6.7	14	16	101	102	821331	806852	<0.2	<0.2	1.2	1.1		
						1.0	0.8	58	20.9	20.9	7.9	7.9	30.2	30.2	96.6	96.6	7.															

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

**Water Quality Monitoring Results on 17 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)						
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	10:16	7.5	Surface	1.0	0.4	197	21.0	21.0	8.1	8.1	29.3	29.3	100.3	100.3	7.5	7.5	7.1	7.1	13	13	85	85	91	822102	808809	<0.2	<0.2	0.9	0.9				
						1.0	0.4	204	21.0	8.1	8.1	29.3	29.3	100.3	100.3	7.5	7.5	7.1	7.1	15	15	86	86	91	822102	808809	<0.2	<0.2	1.0	1.0					
					Middle	3.8	0.4	249	21.0	21.0	8.1	8.1	29.4	29.4	100.0	100.0	7.5	7.5	7.8	7.8	8.0	8.0	14	14	92	92	91	822102	808809	<0.2	<0.2	0.8	0.8		
						3.8	0.4	271	21.0	21.0	8.1	8.1	29.4	29.4	100.0	100.0	7.5	7.5	7.9	7.9	8.0	8.0	14	14	93	93	91	822102	808809	<0.2	<0.2	0.9	0.9		
					Bottom	6.5	0.4	238	21.0	21.0	8.1	8.1	29.4	29.4	100.5	100.5	7.5	7.5	9.0	9.0	7.5	7.5	9.0	9.0	15	15	93	93	91	822102	808809	<0.2	<0.2	0.9	0.9
						6.5	0.4	243	21.0	21.0	8.1	8.1	29.4	29.4	100.5	100.5	7.5	7.5	9.0	9.0	7.5	7.5	9.0	9.0	15	15	94	94	91	822102	808809	<0.2	<0.2	0.8	0.8
IM10	Cloudy	Moderate	10:08	7.2	Surface	1.0	0.5	279	20.9	20.9	8.1	8.1	29.9	29.9	101.7	101.7	7.6	7.6	9.6	9.6	9	9	86	86	91	822222	809836	<0.2	<0.2	0.8	0.8				
						1.0	0.5	302	20.9	20.9	8.1	8.1	29.9	29.9	101.6	101.6	7.6	7.6	9.7	9.7	12.5	12.5	9	9	86	86	91	822222	809836	<0.2	<0.2	0.9	0.9		
					Middle	3.6	0.5	303	20.9	20.9	8.1	8.1	30.0	30.0	101.6	101.6	7.6	7.6	11.7	11.7	12.5	12.5	12	12	93	93	91	822222	809836	<0.2	<0.2	0.9	0.9		
						3.6	0.5	332	20.9	20.9	8.1	8.1	30.0	30.0	101.6	101.6	7.6	7.6	11.7	11.7	12.5	12.5	14	14	92	92	91	822222	809836	<0.2	<0.2	0.9	0.9		
					Bottom	6.2	0.5	285	20.9	20.9	8.1	8.1	30.0	30.0	102.8	102.8	7.7	7.7	16.2	16.2	7.7	7.7	16.2	16.2	16	16	94	94	91	822222	809836	<0.2	<0.2	0.9	0.9
						6.2	0.5	300	20.9	20.9	8.1	8.1	30.0	30.0	102.8	102.8	7.7	7.7	16.2	16.2	7.7	7.7	16.2	16.2	16	16	93	93	91	822222	809836	<0.2	<0.2	1.1	1.1
IM11	Cloudy	Moderate	10:00	7.2	Surface	1.0	0.5	287	20.9	20.9	8.1	8.1	30.0	30.0	102.1	102.1	7.7	7.7	14.5	14.5	11	11	86	86	91	821486	810534	<0.2	<0.2	1.0	1.0				
						1.0	0.6	304	20.9	20.9	8.1	8.1	30.0	30.0	102.1	102.1	7.7	7.7	14.5	14.5	18.5	18.5	12	12	86	86	91	821486	810534	<0.2	<0.2	0.9	0.9		
					Middle	3.6	0.5	287	20.7	20.7	8.1	8.1	30.1	30.1	102.0	102.0	7.7	7.7	16.5	16.5	18.5	18.5	17	17	93	93	91	821486	810534	<0.2	<0.2	1.0	1.0		
						3.6	0.5	301	20.7	20.7	8.1	8.1	30.1	30.1	102.0	102.0	7.7	7.7	16.5	16.5	18.5	18.5	17	17	93	93	91	821486	810534	<0.2	<0.2	1.0	1.0		
					Bottom	6.2	0.4	276	20.8	20.8	8.1	8.1	30.0	30.0	101.3	101.3	7.6	7.6	24.5	24.5	7.6	7.6	24.5	24.5	25	25	94	94	91	821486	810534	<0.2	<0.2	1.7	1.7
						6.2	0.5	297	20.8	20.8	8.1	8.1	30.0	30.0	101.3	101.3	7.6	7.6	24.5	24.5	7.6	7.6	24.5	24.5	24	24	93	93	91	821486	810534	<0.2	<0.2	1.7	1.7
IM12	Cloudy	Moderate	09:47	8.2	Surface	1.0	0.6	263	20.9	20.9	8.1	8.1	30.1	30.1	101.0	101.1	7.6	7.6	9.8	9.8	15	15	87	87	92	821171	811526	<0.2	<0.2	1.3	1.3				
						1.0	0.6	273	20.9	20.9	8.1	8.1	30.1	30.1	101.1	101.1	7.6	7.6	9.9	9.9	15.2	15.2	13	13	89	89	92	821171	811526	<0.2	<0.2	1.4	1.4		
					Middle	4.1	0.5	264	20.8	20.8	8.1	8.1	30.1	30.1	100.6	100.6	7.5	7.5	12.3	12.3	15.2	15.2	18	18	93	93	92	821171	811526	<0.2	<0.2	1.0	1.0		
						4.1	0.6	284	20.8	20.8	8.1	8.1	30.1	30.1	100.6	100.6	7.5	7.5	12.3	12.3	15.2	15.2	18	18	93	93	92	821171	811526	<0.2	<0.2	1.1	1.1		
					Bottom	7.2	0.5	266	20.8	20.8	8.1	8.1	30.2	30.2	100.3	100.3	7.5	7.5	23.4	23.4	7.5	7.5	23.4	23.4	20	20	94	94	92	821171	811526	<0.2	<0.2	1.7	1.7
						7.2	0.5	266	20.8	20.8	8.1	8.1	30.2	30.2	100.3	100.3	7.5	7.5	23.4	23.4	7.5	7.5	23.4	23.4	21	21	94	94	92	821171	811526	<0.2	<0.2	1.7	1.7
SR2	Cloudy	Moderate	09:25	4.3	Surface	1.0	0.4	120	20.9	20.9	8.1	8.1	30.1	30.1	100.2	100.2	7.5	7.5	9.0	9.0	17	17	88	88	91	821446	814178	<0.2	<0.2	1.6	1.6				
						1.0	0.4	127	20.9	20.9	8.1	8.1	30.1	30.1	100.2	100.2	7.5	7.5	9.0	9.0	9.5	9.5	17	17	87	87	91	821446	814178	<0.2	<0.2	1.7	1.7		
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821446	814178	<0.2	<0.2	-	-	
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91	821446	814178	<0.2	<0.2	-	-	
					Bottom	3.3	0.4	122	20.9	20.9	8.1	8.1	30.0	30.0	99.8	99.8	7.5	7.5	10.0	10.0	7.5	7.5	10.0	10.0	18	18	94	94	91	821446	814178	<0.2	<0.2	1.7	1.7
						3.3	0.4	125	20.9	20.9	8.1	8.1	30.0	30.0	99.8	99.8	7.5	7.5	10.0	10.0	7.5	7.5	10.0	10.0	16	16	94	94	91	821446	814178	<0.2	<0.2	1.6	1.6
SR3	Cloudy	Moderate	10:31	8.7	Surface	1.0	0.5	164	21.0	21.0	8.1	8.1	29.1	29.1	99.6	99.6	7.5	7.5	8.7	8.7	11	11	-	-	-	822147	807573	-	-	-	-				
						1.0	0.5	169	21.0	21.0	8.1	8.1	29.1	29.1	99.6	99.6	7.5	7.5	8.7	8.7	10.0	10.0	11	11	-	-	-	822147	807573	-	-	-	-		
					Middle	4.4	0.5	175	21.0	21.0	8.1	8.1	29.1	29.1	99.2	99.2	7.5	7.5	10.0	10.0	10.0	10.0	9	9	-	-	-	822147	807573	-	-	-	-		
						4.4	0.5	181	21.0	21.0	8.1	8.1	29.1	29.1	99.2	99.2	7.5	7.5	10.0	10.0	10.0	10.0	10	10	-	-	-	822147	807573	-	-	-	-		
					Bottom	7.7	0.4	141	21.0	21.0	8.1	8.1	29.1	29.1	99.1	99.1	7.5	7.5	11.2	11.2	7.5	7.5	11.2	11.2	14	14	-	-	-	822147	807573	-	-	-	-
						7.7	0.5	154	21.0	21.0	8.1	8.1	29.1	29.1	99.1	99.1	7.5	7.5	11.3	11.3	7.5	7.5	11.3	11.3	14	14	-	-	-	822147	807573	-	-	-	-
SR4A	Cloudy	Moderate	09:11	8.9	Surface	1.0	0.3	170	20.4	20.4	7.9	7.9	30.1	30.1	100.7	100.7	7.6	7.6	4.0	4.0	10	10	-	-	-	817189	807793	-	-	-	-				
						1.0	0.3	182	20.4	20.4	7.9	7.9	30.0	30.1	100.7	100.7	7.6	7.6	4.0	4.0	4.3	4.3	12	12	-	-	-	817189	807793	-	-	-	-		
					Middle	4.5	0.3	183	20.4	20.4	7.9	7.9	29.9	29.9	99.8	99.8	7.5	7.5	4.4	4.4	4.3	4.3	13	13	-	-	-	817189	807793	-	-	-	-		
						4.5	0.3	184	20.4	20.4	7.9	7.9	29.9	29.9	99.8	99.8	7.5	7.5	4.2	4.2	4.3	4.3	13	13	-	-	-	817189	807793	-	-	-	-		
					Bottom	7.9	0.2	165	20.3	20.3	7.8	7.8	29.7	29.7	99.1	99.1	7.5	7.5	4.5	4.5	7.5	7.5	4.6	4.6	15	15	-	-	-	817189	807793	-	-	-	-
						7.9	0.3	172	20.3	20.3	7.8	7.8	29.7	29.7	99.1	99.1	7.5	7.5	4.6	4.6	7.5	7.5	4.6	4.6	14	14	-								

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

**Water Quality Monitoring Results on 17 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
									Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	14:56	8.6	Surface	1.0	0.3	137	21.0	21.0	8.0	8.0	31.1	31.1	100.8	100.8	7.5	7.5	10.6	11.3	19	21	101	102	815630	804257	<0.2	<0.2	0.5	0.6				
						1.0	0.3	144	21.0		8.0	8.0	31.1	31.1	100.8	100.8	7.5		10.7		18		101				<0.2		0.4					
					Middle	4.3	0.3	143	21.0	21.1	8.0	8.0	30.9	30.9	100.7	100.7	7.5	7.5	10.7	11.3	22	21	102	102			<0.2		<0.2		0.8	0.6		
						4.3	0.3	148	21.1		8.0	8.0	30.9	30.9	100.6	100.7	7.5		10.7		22		102				<0.2				0.8			
					Bottom	7.6	0.3	150	21.0	21.1	7.9	7.9	30.5	30.5	100.7	100.7	7.5	7.5	12.5	11.3	21	21	103	102			<0.2				<0.2		0.4	0.6
						7.6	0.3	154	21.1		7.9	7.9	30.4	30.5	100.7	100.7	7.5		12.5		21		102				<0.2						0.5	
C2	Cloudy	Moderate	13:52	12.3	Surface	1.0	0.7	83	21.0	21.0	8.0	8.0	28.9	28.9	99.1	99.1	7.5	7.5	11.0	16.2	11	15	84	90	825692	806947	<0.2	<0.2		1.5			1.5	
						1.0	0.7	87	21.0		8.0	8.0	28.9	28.9	99.1	99.1	7.5		11.1		12		84				<0.2			1.6				
					Middle	6.2	0.9	114	21.0	21.0	8.0	8.0	29.0	29.0	98.1	98.1	7.4	7.4	17.3	16.2	17	15	93	90			<0.2		<0.2	1.4		1.5		
						6.2	1.0	120	21.0		8.0	8.0	29.0	29.0	98.1	98.1	7.4		17.3		17		92				<0.2			1.5				
					Bottom	11.3	0.9	120	21.0	21.0	8.0	8.0	29.0	29.0	97.7	97.7	7.3	7.4	20.3	16.2	15	15	93	90			<0.2			<0.2	1.5			1.5
						11.3	1.0	130	21.0		8.0	8.0	29.0	29.0	97.7	97.7	7.4		20.4		15		93				<0.2				1.5			
C3	Cloudy	Moderate	16:12	12.3	Surface	1.0	0.4	89	21.5	21.5	8.1	8.1	30.2	30.2	102.4	102.4	7.6	7.6	4.5	5.8	6	6	89	92	822089	817810	<0.2	<0.2			1.0		1.0	
						1.0	0.4	90	21.5		8.1	8.1	30.2	30.2	102.4	102.4	7.6		4.5		6		88				<0.2				1.0			
					Middle	6.2	0.4	92	21.6	21.6	8.1	8.1	30.3	30.3	102.0	102.0	7.5	7.5	5.3	5.8	6	6	93	92			<0.2		<0.2		1.1	1.0		
						6.2	0.4	99	21.6		8.1	8.1	30.3	30.3	102.0	102.0	7.5		5.3		6		93				<0.2				1.2			
					Bottom	11.3	0.4	90	21.6	21.6	8.1	8.1	30.3	30.3	102.5	102.5	7.6	7.6	7.8	5.8	6	6	94	92			<0.2			<0.2	1.0			1.0
						11.3	0.4	98	21.6		8.1	8.1	30.3	30.3	102.5	102.5	7.6		7.5		8		94				<0.2				0.9			
IM1	Cloudy	Moderate	14:34	7.7	Surface	1.0	0.4	122	20.8	20.8	8.0	8.0	31.1	31.1	99.9	99.9	7.4	7.4	9.6	9.9	17	17	102	103	818355	806443	<0.2	<0.2			0.9		0.6	
						1.0	0.4	127	20.8		8.0	8.0	31.1	31.1	99.9	99.9	7.4		9.6		17		102				<0.2				0.8			
					Middle	3.9	0.4	138	20.9	20.9	8.0	8.0	31.0	31.0	100.1	100.1	7.4	7.4	9.7	9.9	17	17	103	103			<0.2		<0.2		0.5	0.6		
						3.9	0.4	150	20.9		8.0	8.0	31.0	31.0	100.1	100.1	7.4		9.8		17		103				<0.2				0.5			
					Bottom	6.7	0.4	156	20.9	20.9	7.9	7.9	30.7	30.7	100.4	100.4	7.5	7.5	10.4	9.9	16	17	104	103			<0.2			<0.2	0.5			0.6
						6.7	0.4	169	20.9		7.9	7.9	30.7	30.7	100.4	100.4	7.5		10.4		16		105				<0.2				0.5			
IM2	Cloudy	Moderate	14:28	8.7	Surface	1.0	0.4	102	21.0	21.0	8.0	8.0	31.2	31.2	99.8	99.8	7.4	7.4	14.5	17.6	21	23	101	102	818855	806197	<0.2	<0.2			0.5		0.5	
						1.0	0.4	110	21.0		8.0	8.0	31.2	31.2	99.8	99.8	7.4		14.5		20		101				<0.2				0.5			
					Middle	4.4	0.4	118	21.0	21.0	8.0	8.0	31.1	31.1	99.7	99.7	7.4	7.4	18.8	17.6	23	23	102	102			<0.2		<0.2		0.5	0.5		
						4.4	0.4	122	21.0		8.0	8.0	31.1	31.1	99.6	99.7	7.4		19.0		24		102				<0.2				0.5			
					Bottom	7.7	0.4	112	21.0	21.0	7.9	7.9	30.9	30.9	99.9	99.9	7.4	7.4	19.4	17.6	26	23	103	102			<0.2			<0.2	0.5			0.5
						7.7	0.4	122	21.0		7.9	7.9	30.9	30.9	99.9	99.9	7.4		19.1		25		103				<0.2				0.6			
IM3	Cloudy	Moderate	14:21	8.8	Surface	1.0	0.5	84	20.9	20.9	8.0	8.0	31.2	31.2	99.5	99.5	7.4	7.4	16.4	18.1	16	21	102	104	819394	806022	<0.2	<0.2			0.6		0.6	
						1.0	0.5	92	20.9		8.0	8.0	31.2	31.2	99.5	99.5	7.4		16.3		18		103				<0.2				0.6			
					Middle	4.4	0.4	93	20.9	20.9	8.0	8.0	31.1	31.1	99.3	99.3	7.4	7.4	16.6	18.1	19	21	103	104			<0.2		<0.2		0.5	0.6		
						4.4	0.5	95	20.9		8.0	8.0	31.1	31.1	99.3	99.3	7.4		16.7		18		104				<0.2				0.6			
					Bottom	7.8	0.4	87	20.9	20.9	7.9	7.9	31.1	31.1	99.1	99.1	7.4	7.4	21.1	18.1	27	21	105	104			<0.2			<0.2	0.7			0.6
						7.8	0.5	90	20.9		7.9	7.9	31.1	31.1	99.1	99.1	7.4		21.2		27		105				<0.2				0.6			
IM4	Cloudy	Moderate	14:14	8.3	Surface	1.0	0.6	70	21.0	21.0	8.0	8.0	31.1	31.1	99.8	99.8	7.4	7.4	14.4	17.3	18	22	101	103	819580	805037	<0.2	<0.2			0.5		0.5	
						1.0	0.6	71	21.0		8.0	8.0	31.1	31.1	99.7	99.8	7.4		14.4		18		102				<0.2				0.5			
					Middle	4.2	0.5	61	21.0	21.0	7.9	7.9	31.0	31.0	99.5	99.5	7.4	7.4	18.0	17.3	21	22	103	103			<0.2		<0.2		0.5	0.5		
						4.2	0.5	65	21.0		7.9	7.9	31.0	31.0	99.5	99.5	7.4		18.2		21		103				<0.2				0.6			
					Bottom	7.3	0.5	76	21.0	21.0	7.9	7.9	30.8	30.8	99.9	99.9	7.4	7.4	19.4	17.3	27	22	104	103			<0.2			<0.2	0.4			0.5
						7.3	0.5	80	21.0		7.9	7.9	30.8	30.8	99.9	99.9	7.4		19.5		26		104				<0.2				0.5			
IM5	Cloudy	Moderate	14:07	7.3	Surface	1.0	0.5	101	20.6	20.6	7.9	7.9	30.9	30.9	97.8	97.8	7.3	7.3	14.5	18.0	18	19	101	102	820544	804918	<0.2	<0.2			0.8		0.9	
						1.0	0.5	106	20.6		7.9	7.9	30.9	30.9	97.8	97.8	7.3		14.7		18		101				<0.2				0.7			
					Middle	3.7	0.5	91	20.6	20.6	7.9	7.9	30.8	30.8	97.5	97.5	7.3	7.3	17.6	18.0	18	19	101	102			<0.2		<0.2		0.9	0.9		
						3.7	0.5	95	20.6		7.9	7.9	30.8	30.8	97.5	97.5	7.3		17.7		18		102				<0.2				1.1			
					Bottom	6.3	0.5	104	20.6	20.6	7.9	7.9	30.8	30.8	97.4	97.4	7.3	7.3	21.9	18.0	20	19	104	105			<0.2			<0.2	1.0			1.1
						6.3	0.5	112	20.6		7.9	7.9	30.8	30.8	97.4	97.4	7.3		21.8		19		105				<0.2				1.1			
IM6	Cloudy	Moderate	13:58	7.2	Surface	1.0	0.6	70	20.6	20.6	7.9	7.9	30.9	30.9	99.0	99.0	7.4	7.4	10.7	13.7	13	18	102	103	821061	805822	<0.2	<0.2			1.1		1.0	
						1.0	0.6	74	20.6		7.9	7.9	30.9	30.9	99.0	99.0	7.4		10.8		14		102				<0.2				0.9			
					Middle	3.6	0.6	83	20.6	20.6	7.9	7.9	30.9	30.9	98.6	98.6	7.4	7.4	14.6	13.7	20	18	103	103			<0.2		<0.2		1.0	1.0		
						3.6	0.6	88	20.6		7.9	7.9	30.9	30.9	98.5	98.6	7.4		14.8		20		103				<0.2				1.0			
					Bottom	6.2	0.6	79	20.6	20.6	7.9	7.9	30.8	30.8</																				



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

**Water Quality Monitoring Results on 20 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Sunny	Moderate	12:04	8.4	Surface	1.0	0.6	58	20.9	20.9	7.9	7.9	29.5	29.5	103.4	103.4	7.8	7.7	6.9	12.5	11	18	92	94	815622	804232	<0.2	1.2	1.0	1.0
						1.0	0.7	61	20.9	7.9	7.9	29.5	29.5	103.3	103.3	7.8	7.7	6.6	9	92	<0.2	1.2								
					Middle	4.2	0.6	54	20.9	7.9	7.9	29.8	29.8	100.8	100.8	7.5	7.5	14.1	13	94	<0.2	1.0								
						4.2	0.6	57	20.9	7.9	7.9	29.8	29.8	100.8	100.8	7.5	7.5	13.7	15	94	<0.2	0.9								
					Bottom	7.4	0.5	69	20.9	7.9	7.9	30.1	30.1	100.1	100.1	7.5	7.5	16.9	28	95	<0.2	0.8								
						7.4	0.5	72	20.9	7.9	7.9	30.1	30.1	100.1	100.1	7.5	7.5	16.9	29	95	<0.2	0.9								
C2	Cloudy	Moderate	13:20	12.0	Surface	1.0	0.3	195	21.2	21.2	8.0	8.0	26.4	26.4	101.8	101.8	7.8	7.7	5.5	9.9	5	5	84	90	825698	806928	<0.2	2.4	2.6	2.6
						1.0	0.3	202	21.2	8.0	8.0	26.4	26.4	101.8	101.8	7.8	7.7	5.5	4	84	<0.2	2.5								
					Middle	6.0	0.3	207	21.0	8.0	8.0	27.8	27.8	99.7	99.7	7.6	7.4	12.0	3	92	<0.2	2.5								
						6.0	0.3	221	21.0	8.0	8.0	27.8	27.8	99.6	99.6	7.6	7.4	12.2	4	92	<0.2	2.7								
					Bottom	11.0	0.2	196	21.1	8.0	8.0	28.4	28.5	98.5	98.5	7.4	7.4	12.0	7	93	<0.2	2.6								
						11.0	0.3	206	21.1	8.0	8.0	28.5	28.5	98.5	98.5	7.4	7.4	12.0	8	93	<0.2	2.6								
C3	Cloudy	Moderate	11:34	11.5	Surface	1.0	0.5	256	21.2	21.2	8.1	8.1	29.5	29.5	103.0	103.0	7.7	7.6	3.8	7.3	3	6	88	92	822089	817816	<0.2	1.1	1.6	1.6
						1.0	0.6	269	21.2	8.1	8.1	29.5	29.5	102.9	102.9	7.7	7.6	3.8	4	89	<0.2	1.1								
					Middle	5.8	0.5	258	21.1	8.1	8.1	29.6	29.6	100.6	100.6	7.5	7.5	6.6	6	93	<0.2	1.4								
						5.8	0.6	265	21.1	8.1	8.1	29.6	29.6	100.6	100.6	7.5	7.5	6.6	6	93	<0.2	1.4								
					Bottom	10.5	0.4	259	21.1	8.0	8.0	29.7	29.7	100.0	100.0	7.5	7.5	11.4	7	95	<0.2	2.3								
						10.5	0.4	259	21.1	8.0	8.0	29.7	29.7	100.0	100.0	7.5	7.5	11.4	8	94	<0.2	2.5								
IM1	Sunny	Moderate	12:25	7.5	Surface	1.0	0.4	150	21.3	21.3	7.9	7.9	28.4	28.4	106.2	106.2	8.0	7.9	2.7	4.8	9	13	86	89	818367	806470	<0.2	1.6	1.8	1.8
						1.0	0.5	158	21.3	7.9	7.9	28.4	28.4	106.1	106.1	8.0	7.9	2.7	10	87	<0.2	1.4								
					Middle	3.8	0.4	161	21.1	7.9	7.9	29.6	29.6	103.4	103.4	7.7	7.7	4.3	12	88	<0.2	1.7								
						3.8	0.4	175	21.1	7.9	7.9	29.6	29.6	103.4	103.4	7.7	7.7	4.3	11	89	<0.2	1.8								
					Bottom	6.5	0.3	174	21.0	7.9	7.9	29.8	29.8	100.5	100.5	7.5	7.5	7.3	18	90	<0.2	2.2								
						6.5	0.4	186	21.0	7.9	7.9	29.8	29.8	100.4	100.4	7.5	7.5	7.2	18	91	<0.2	2.0								
IM2	Sunny	Moderate	12:30	8.2	Surface	1.0	0.4	122	21.3	21.3	7.9	7.9	28.1	28.1	106.2	106.2	8.0	7.9	2.1	3.9	9	13	88	90	818845	806208	<0.2	1.8	1.7	1.7
						1.0	0.4	133	21.3	7.9	7.9	28.1	28.1	106.2	106.2	8.0	7.9	2.2	10	88	<0.2	2.0								
					Middle	4.1	0.4	105	21.0	7.9	7.9	29.4	29.4	103.0	103.0	7.7	7.7	3.9	12	89	<0.2	1.2								
						4.1	0.5	114	21.0	7.9	7.9	29.4	29.4	102.9	102.9	7.7	7.7	3.9	12	90	<0.2	1.2								
					Bottom	7.2	0.4	126	20.9	7.9	7.9	29.8	29.8	99.4	99.4	7.5	7.5	5.7	17	91	<0.2	1.9								
						7.2	0.4	127	20.9	7.9	7.9	29.8	29.8	99.4	99.4	7.5	7.5	5.7	18	91	<0.2	2.0								
IM3	Sunny	Moderate	12:37	8.6	Surface	1.0	0.5	121	21.2	21.2	7.9	7.9	28.2	28.2	106.5	106.5	8.0	8.0	2.4	3.4	7	9	90	91	819395	806017	<0.2	2.2	1.9	1.9
						1.0	0.5	125	21.2	7.9	7.9	28.2	28.2	106.4	106.4	8.0	8.0	2.4	6	90	<0.2	2.4								
					Middle	4.3	0.5	143	21.0	7.9	7.9	29.4	29.4	104.9	104.9	7.9	7.9	3.6	8	91	<0.2	1.8								
						4.3	0.5	153	21.0	7.9	7.9	29.3	29.4	104.9	104.9	7.9	7.9	3.6	9	91	<0.2	1.8								
					Bottom	7.6	0.4	142	21.0	7.8	7.8	29.6	29.6	99.6	99.6	7.5	7.5	4.2	14	92	<0.2	1.5								
						7.6	0.5	150	21.0	7.8	7.8	29.6	29.6	99.6	99.6	7.5	7.5	4.1	12	92	<0.2	1.7								
IM4	Sunny	Moderate	12:46	8.1	Surface	1.0	0.6	112	21.2	21.2	8.0	8.0	28.5	28.5	107.8	107.8	8.1	7.9	2.0	3.8	7	12	92	93	819577	805022	<0.2	2.8	1.9	1.9
						1.0	0.6	116	21.2	8.0	8.0	28.5	28.5	107.7	107.7	8.1	7.9	2.0	9	91	<0.2	2.8								
					Middle	4.1	0.5	124	20.9	7.9	7.9	29.3	29.3	102.6	102.6	7.7	7.7	4.6	11	93	<0.2	1.5								
						4.1	0.5	132	20.9	7.9	7.9	29.3	29.3	102.5	102.5	7.7	7.7	4.7	10	93	<0.2	1.4								
					Bottom	7.1	0.4	158	20.8	7.9	7.9	29.4	29.4	101.6	101.6	7.6	7.6	4.8	17	94	<0.2	1.3								
						7.1	0.5	169	20.8	7.9	7.9	29.3	29.4	101.6	101.6	7.6	7.6	4.8	18	94	<0.2	1.4								
IM5	Sunny	Moderate	12:53	6.9	Surface	1.0	0.5	118	21.2	21.2	7.9	7.9	28.3	28.4	104.4	104.4	7.9	7.8	5.0	7.4	8	14	88	89	820572	804904	<0.2	2.2	1.4	1.4
						1.0	0.5	124	21.2	7.9	7.9	28.4	28.4	104.3	104.3	7.8	7.8	5.2	10	88	<0.2	2.1								
					Middle	3.5	0.5	101	20.9	7.9	7.9	29.2	29.2	102.6	102.6	7.7	7.7	8.9	12	88	<0.2	1.3								
						3.5	0.5	109	20.9	7.9	7.9	29.2	29.2	102.6	102.6	7.7	7.7	9.0	13	89	<0.2	1.3								
					Bottom	5.9	0.4	122	20.9	7.9	7.9	29.1	29.1	102.8	102.8	7.7	7.7	8.2	22	90	<0.2	0.9								
						5.9	0.4	128	20.9	7.9	7.9	29.1	29.1	102.8	102.8	7.7	7.7	8.0	20	91	<0.2	0.8								
IM6	Sunny	Moderate	13:00	6.9	Surface	1.0	0.6	95	21.5	21.5	7.9	7.9	28.1	28.1	108.5	108.5	8.1	8.0	1.7	4.5	7	11	90	93	821070	805827	<0.2	1.1	1.0	1.0
						1.0	0.6	96	21.5	7.9	7.9	28.1	28.1	108.4	108.4	8.1	8.0	1.7	9	90	<0.2	1.2								
					Middle	3.5	0.5	113	21.0	7.9	7.9	29.2	29.2	103.3	103.3	7.8	7.8	5.1	10	92	<0.2	0.9								
						3.5	0.6	116	21.0	7.9	7.9	29.2	29.2	103.3	103.3	7.8	7.8	5.1	9	93	<0.2	0.9								
					Bottom	5.9	0.5	112	20.9	7.9	7.9	29.1	29.1	101.0	101.0	7.6	7.6	6.8	14	95	<0.2	0.9								
						5.9	0.5	121	20.9	7.9	7.9	29.1	29.1	101.0	101.0	7.6	7.6	6.8	16	95	<0.2	0.9								
IM7	Sunny	Moderate	13:08	8.4	Surface	1.0	0.5	76	21.5	21.5	7.9	7.9	27.5	27.5	106.7	106.7	8.0	7.9	1.6	3.5	6	9	89	92	821341	806831	<0.2	1.2	0.8	0.8
						1.0	0.5	82	21.5	7.9	7.9	27.5	27.5	106.6	106.6	8.0	7.9	1.6	5	90	<0.2	1.2								
					Middle	4.2	0.4	71	21.0	7.9	7.9	29.0	29.0	102.4	102.4	7.7	7.7	3.6	10	93	<0.2	0.7								
						4.2	0.5	77	20.9	7.9	7.9	29.0	29.0	102.3	102.3	7.7	7.7	3.6	12	93	<0.2	0.7								
					Bottom	7.4	0.4	84	21.0	7.8	7.8	28.8	28.8	96.9	96.9	7.3	7.3	5.2	12	94	<0.2	0.6								
						7.4	0.4	89	21.0	7.8	7.8	28.8	28.8	96.9	96.9	7.3	7.3	5.2	11	94	<0.2	0.6								
IM8	Cloudy	Moderate	12:45	7.9	Surface																									



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

**Water Quality Monitoring Results on 20 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Moderate	17:50	8.8	Surface	1.0	0.4	139	21.1	21.1	8.0	8.0	28.4	28.4	107.1	107.1	8.1	8.0	2.9	2.8	4	5	91	93	815601	804246	<0.2	<0.2	0.6	0.8				
						1.0	0.5	151	21.1		8.0	8.0	28.4	28.4	107.1	107.1	8.1		3.0		5		91											
					Middle	4.4	0.4	163	21.0	21.0	8.0	8.0	28.8	28.8	104.1	104.1	7.8	7.4	2.3	2.8	5	5	93	93			<0.2		<0.2		0.8	0.8		
						4.4	0.4	176	21.0		8.0	8.0	28.8	28.8	104.1	104.1	7.8		2.2		5		93											
					Bottom	7.8	0.3	175	21.1	21.1	7.9	7.9	29.6	29.6	99.3	99.3	7.4	7.4	3.3	7.4	6	6	94	95			<0.2		<0.2		0.9	1.0		
						7.8	0.3	191	21.1		7.9	7.9	29.6	29.6	99.2	99.3	7.4		3.3		6		95											
C2	Cloudy	Moderate	16:41	12.3	Surface	1.0	0.2	167	21.2	21.2	8.0	8.0	26.2	26.2	104.6	104.6	8.0	7.8	4.5	8.3	4	5	84	90	825694	806955	<0.2	<0.2	2.3	2.2				
						1.0	0.2	170	21.2		8.0	8.0	26.2	26.2	104.6	104.6	8.0		4.5		5		84											
					Middle	6.2	0.2	172	21.0	21.0	8.0	8.0	27.7	27.7	100.6	100.6	7.6	7.6	9.1	7.6	3	5	93	92			<0.2		<0.2		2.4	2.3		
						6.2	0.2	175	21.0		8.0	8.0	27.7	27.7	100.6	100.6	7.6		9.1		3		92											
					Bottom	11.3	0.2	194	21.1	21.1	8.0	8.0	29.2	29.2	100.7	100.7	7.6	7.6	11.4	11.4	8	6	93	93			<0.2		<0.2		2.0	1.9		
						11.3	0.2	195	21.1		8.0	8.0	29.2	29.2	100.7	100.7	7.6		11.4		6		93											
C3	Cloudy	Moderate	18:39	12.3	Surface	1.0	0.3	103	21.4	21.4	8.1	8.1	30.0	30.0	104.1	104.1	7.7	7.6	2.5	4.7	3	5	89	92	822116	817797	<0.2	<0.2	0.6	0.6				
						1.0	0.3	109	21.4		8.1	8.1	30.0	30.0	104.1	104.1	7.7		2.5		4		88											
					Middle	6.2	0.3	109	21.4	21.4	8.1	8.1	30.2	30.2	100.6	100.6	7.5	7.4	3.9	7.4	5	5	93	93			<0.2		<0.2		0.6	0.5		
						6.2	0.3	115	21.4		8.1	8.1	30.2	30.2	100.6	100.6	7.5		3.9		6		93											
					Bottom	11.3	0.4	114	21.4	21.4	8.0	8.0	30.2	30.2	99.2	99.2	7.4	7.4	7.8	7.8	5	6	94	94			<0.2		<0.2		0.6	0.5		
						11.3	0.4	118	21.4		8.0	8.0	30.2	30.2	99.2	99.2	7.4		7.8		6		94											
IM1	Cloudy	Moderate	17:28	7.8	Surface	1.0	0.3	131	20.9	20.9	8.0	8.0	29.6	29.6	103.3	103.3	7.8	7.8	5.1	5.3	9	10	87	88	818356	806447	<0.2	<0.2	0.7	0.7				
						1.0	0.3	134	20.9		8.0	8.0	29.6	29.6	103.3	103.3	7.8		5.1		10		86											
					Middle	3.9	0.3	140	20.9	20.9	8.0	8.0	29.6	29.6	102.4	102.4	7.7	7.6	5.5	7.6	9	10	88	91			<0.2		<0.2		0.6	0.7		
						3.9	0.3	140	20.9		8.0	8.0	29.6	29.6	102.4	102.4	7.7		5.5		10		88											
					Bottom	6.8	0.3	166	20.9	20.9	8.0	8.0	29.6	29.6	101.6	101.6	7.6	7.6	5.4	5.4	12	10	90	91			<0.2		<0.2		0.7	0.7		
						6.8	0.3	180	20.9		8.0	8.0	29.6	29.6	101.6	101.6	7.6		5.4		10		91											
IM2	Cloudy	Moderate	17:21	8.6	Surface	1.0	0.4	193	21.0	21.0	8.0	8.0	29.4	29.4	103.5	103.5	7.8	7.7	4.2	4.5	9	11	89	91	818846	806182	<0.2	<0.2	0.7	0.8				
						1.0	0.4	209	21.0		8.0	8.0	29.4	29.4	103.4	103.5	7.8		4.3		9		89											
					Middle	4.3	0.4	188	20.9	20.9	8.0	8.0	29.3	29.3	100.9	100.9	7.6	7.4	4.7	7.4	9	11	90	91			<0.2		<0.2		0.8	0.9		
						4.3	0.4	196	20.9		8.0	8.0	29.3	29.3	100.9	100.9	7.6		4.8		9		91											
					Bottom	7.6	0.3	195	20.9	20.9	7.9	7.9	28.9	28.9	97.6	97.6	7.4	7.4	4.4	4.4	14	13	92	92			<0.2		<0.2		0.9	0.9		
						7.6	0.3	197	20.9		7.9	7.9	28.8	28.9	97.5	97.6	7.3		4.4		13		92											
IM3	Cloudy	Moderate	17:14	8.7	Surface	1.0	0.4	133	20.9	20.9	8.0	8.0	29.4	29.4	103.6	103.6	7.8	7.7	3.8	4.1	7	9	90	92	819400	806018	<0.2	<0.2	0.7	1.0				
						1.0	0.4	136	20.9		8.0	8.0	29.4	29.4	103.5	103.6	7.8		3.8		9		91											
					Middle	4.4	0.3	145	20.9	20.9	7.9	7.9	29.3	29.3	101.5	101.5	7.6	7.3	4.2	7.3	9	10	92	93			<0.2		<0.2		1.0	1.1		
						4.4	0.3	156	20.9		7.9	7.9	29.3	29.3	101.5	101.5	7.6		4.3		10		92											
					Bottom	7.7	0.3	160	20.9	20.9	7.8	7.8	28.8	28.8	96.8	96.8	7.3	7.3	4.3	4.3	11	10	93	93			<0.2		<0.2		1.2	1.2		
						7.7	0.3	161	20.9		7.8	7.8	28.7	28.7	96.7	96.8	7.3		4.3		10		93											
IM4	Cloudy	Moderate	17:06	8.2	Surface	1.0	0.5	186	20.9	20.9	8.0	8.0	29.4	29.4	103.9	103.9	7.8	7.7	4.4	5.7	7	10	92	93	819583	805040	<0.2	<0.2	1.4	1.4				
						1.0	0.5	193	20.9		8.0	8.0	29.4	29.4	103.9	103.9	7.8		4.3		8		92											
					Middle	4.1	0.5	186	20.9	20.9	7.9	7.9	29.5	29.5	100.8	100.8	7.6	7.4	5.7	7.4	9	10	93	94			<0.2		<0.2		1.5	1.4		
						4.1	0.5	187	20.9		7.9	7.9	29.5	29.5	100.7	100.8	7.6		5.6		10		93											
					Bottom	7.2	0.5	168	20.8	20.8	7.9	7.9	29.5	29.5	97.9	97.9	7.4	7.4	7.2	7.1	12	14	94	95			<0.2		<0.2		1.4	1.2		
						7.2	0.5	172	20.8		7.9	7.9	29.5	29.5	97.8	97.9	7.4		7.1		14		95											
IM5	Cloudy	Moderate	16:58	7.1	Surface	1.0	0.4	127	20.9	20.9	8.0	8.0	29.3	29.3	105.0	105.0	7.9	7.9	3.3	3.9	7	9	88	90	820580	804908	<0.2	<0.2	1.7	1.5				
						1.0	0.4	137	20.9		8.0	8.0	29.3	29.3	104.9	105.0	7.9		3.3		5		89											
					Middle	3.6	0.3	137	20.9	20.9	8.0	8.0	29.5	29.5	104.2	104.2	7.8	7.9	4.1	7.9	8	9	89	91			<0.2		<0.2		1.9	1.8		
						3.6	0.3	143	20.9		8.0	8.0	29.5	29.5	104.2	104.2	7.8		4.2		7		90											
					Bottom	6.1	0.3	125	20.9	20.9	7.9	7.9	29.4	29.4	104.8	104.9	7.9	7.9	4.2	4.2	11	13	91	91			<0.2		<0.2		1.0	0.9		
						6.1	0.3	137	20.9		7.9	7.9	29.4	29.4	104.9	104.9	7.9		4.2		13		91											
IM6	Cloudy	Moderate	16:49	7.3	Surface	1.0	0.6	168	21.1	21.1	7.9	7.9	28.9	28.9	104.2	104.2	7.8	7.7	2.8	3.7	4	6	91	92	821056	805832	<0.2	<0.2	1.5	1.1				
						1.0	0.6	169	21.1		7.9	7.9	28.9	28.9	104.1	104.2	7.8		2.8		4		91											
					Middle	3.7	0.6	134	21.0	21.0	7.9	7.9	29.3	29.3	100.9	100.9	7.6	7.4	3.9	7.4	8	7	92	93			<0.2		<0.2		1.1	0.8		
						3.7	0.6	143	20.9		7.9	7.9	29.3	29.3	100.8	100.9	7.6		3.9		7		92											
					Bottom	6.3	0.6	141	20.9	20.9	7.8	7.8	29.3	29.3	98.0	98.0	7.4	7.4	4.5	4.5	7	8	93	93			<0.2		<0.2		1.0	1.1		
						6.3	0.6	147	20.9		7.8	7.8	29.3	29.3	97.9	98.0	7.4		4.5		8		93											
IM7	Cloudy	Moderate	16:41	8.3	Surface	1.0	0.7	116	21.4	21.4	7.9	7.9	28.2	28.2	107.3	107.2	8.0	7.9	2.1	3.5	4	7	94	92										

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

**Water Quality Monitoring Results on 20 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)			
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	17:28	7.2	Surface	1.0	0.3	145	21.2	8.1	8.1	27.5	27.5	108.5	108.5	8.2	8.1	3.7	5.1	10	11	86	91	822099	808810	<0.2	<0.2	1.6	1.8			
						1.0	0.3	156	21.2	8.1	8.1	27.5	27.5	108.5	108.5	8.2	8.1	3.7	5.1	11	11	85	91	86	91	822099	808810	<0.2	<0.2	1.8	1.8	
					Middle	3.6	0.3	143	21.1	8.1	8.1	28.5	28.5	104.9	104.9	7.9	7.8	5.8	5.1	11	11	93	93	91	91	822099	808810	<0.2	<0.2	2.0	2.0	
						3.6	0.3	143	21.1	8.1	8.1	28.5	28.5	104.9	104.9	7.9	7.8	5.8	5.1	10	10	92	92	91	91	822099	808810	<0.2	<0.2	2.0	2.0	
					Bottom	6.2	0.3	151	21.1	8.1	8.1	28.6	28.6	103.9	103.9	7.8	7.8	5.8	7.8	11	11	93	93	91	91	822099	808810	<0.2	<0.2	1.6	1.7	
						6.2	0.3	160	21.1	8.1	8.1	28.6	28.6	103.8	103.8	7.8	7.8	5.9	7.8	13	13	94	94	91	91	822099	808810	<0.2	<0.2	1.7	1.7	
IM10	Cloudy	Moderate	17:37	7.2	Surface	1.0	0.3	145	21.2	8.1	8.1	27.6	27.6	112.2	112.2	8.5	8.4	2.7	4.0	8	6	86	91	822238	809848	<0.2	<0.2	1.9	1.7			
						1.0	0.3	152	21.2	8.1	8.1	27.6	27.6	112.2	112.2	8.5	8.4	2.6	4.0	6	6	87	87	91	91	822238	809848	<0.2	<0.2	1.8	1.8	
					Middle	3.6	0.3	165	21.2	8.1	8.1	28.1	28.1	108.2	108.2	8.2	7.9	4.2	7.9	7	7	93	93	91	91	822238	809848	<0.2	<0.2	1.9	2.2	
						3.6	0.3	172	21.2	8.1	8.1	28.1	28.1	108.2	108.2	8.2	7.9	4.2	7.9	8	8	93	93	91	91	822238	809848	<0.2	<0.2	2.2	2.2	
					Bottom	6.2	0.2	187	21.1	8.1	8.1	29.3	29.3	105.0	105.0	7.9	7.9	5.2	7.9	12	12	93	93	91	91	822238	809848	<0.2	<0.2	1.2	1.1	
						6.2	0.3	187	21.1	8.1	8.1	29.3	29.3	104.9	104.9	7.9	7.9	5.2	7.9	10	10	94	94	91	91	822238	809848	<0.2	<0.2	1.1	1.1	
IM11	Cloudy	Moderate	17:46	7.4	Surface	1.0	0.4	128	21.2	8.1	8.1	27.3	27.3	110.5	110.5	8.4	8.2	2.9	4.3	8	8	86	91	821512	810558	<0.2	<0.2	2.2	2.0			
						1.0	0.4	137	21.2	8.1	8.1	27.3	27.3	110.4	110.4	8.4	8.2	2.9	4.3	8	8	87	87	91	91	821512	810558	<0.2	<0.2	2.1	2.3	
					Middle	3.7	0.3	177	21.2	8.1	8.1	29.0	29.0	105.9	105.9	7.9	7.9	4.3	7.7	12	10	93	93	91	91	821512	810558	<0.2	<0.2	2.4	2.3	
						3.7	0.3	177	21.2	8.1	8.1	29.0	29.0	105.9	105.9	7.9	7.9	4.3	7.7	10	10	93	93	91	91	821512	810558	<0.2	<0.2	2.3	2.3	
					Bottom	6.4	0.3	164	21.1	8.1	8.1	29.3	29.3	103.4	103.4	7.7	7.7	5.6	7.7	10	11	94	93	91	91	821512	810558	<0.2	<0.2	1.5	1.7	
						6.4	0.4	175	21.1	8.1	8.1	29.3	29.3	103.4	103.4	7.7	7.7	5.7	7.7	11	11	93	93	91	91	821512	810558	<0.2	<0.2	1.7	1.7	
IM12	Cloudy	Moderate	17:54	8.3	Surface	1.0	0.4	110	21.2	8.1	8.1	27.4	27.4	107.6	107.6	8.2	8.0	3.1	3.2	9	9	87	91	821143	811501	<0.2	<0.2	2.9	2.9			
						1.0	0.5	118	21.2	8.1	8.1	27.4	27.4	107.5	107.5	8.1	8.0	3.1	3.2	8	9	87	93	91	91	821143	811501	<0.2	<0.2	2.9	3.1	
					Middle	4.2	0.3	148	21.2	8.1	8.1	29.4	29.4	104.8	104.8	7.9	7.9	3.3	7.8	9	10	93	93	91	91	821143	811501	<0.2	<0.2	2.9	2.7	
						4.2	0.3	154	21.2	8.1	8.1	29.4	29.4	104.8	104.8	7.9	7.8	3.3	7.8	10	10	93	94	91	91	821143	811501	<0.2	<0.2	3.1	2.8	
					Bottom	7.3	0.3	133	21.2	8.1	8.1	29.4	29.4	104.0	104.0	7.8	7.8	3.3	7.8	9	10	94	94	91	91	821143	811501	<0.2	<0.2	2.7	2.8	
						7.3	0.4	146	21.2	8.1	8.1	29.4	29.4	104.0	104.0	7.8	7.8	3.3	7.8	10	10	94	94	91	91	821143	811501	<0.2	<0.2	2.8	2.8	
SR2	Cloudy	Moderate	18:15	4.8	Surface	1.0	0.2	118	21.1	8.1	8.1	29.5	29.5	100.2	100.2	7.5	7.5	4.3	4.1	13	14	88	91	821478	814153	<0.2	<0.2	1.9	2.0			
						1.0	0.2	118	21.1	8.1	8.1	29.5	29.5	100.2	100.2	7.5	7.5	4.3	4.1	14	13	88	94	91	91	821478	814153	<0.2	<0.2	1.9	2.0	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.8	0.2	115	21.1	8.0	8.0	29.6	29.6	98.9	98.9	7.4	7.4	3.8	7.4	13	13	94	94	91	91	821478	814153	<0.2	<0.2	2.0	2.0	
						3.8	0.2	125	21.1	8.0	8.0	29.6	29.6	98.9	98.9	7.4	7.4	3.8	7.4	13	13	94	94	91	91	821478	814153	<0.2	<0.2	2.0	2.0	
SR3	Cloudy	Moderate	17:14	9.0	Surface	1.0	0.4	169	21.4	8.1	8.1	27.1	27.1	112.7	112.7	8.5	8.3	2.8	4.7	6	6	-	-	822166	807561	-	-	-	-			
						1.0	0.4	177	21.4	8.1	8.1	27.1	27.1	112.7	112.7	8.5	8.3	2.8	4.7	6	6	-	-	-	-	822166	807561	-	-	-	-	
					Middle	4.5	0.3	126	21.3	8.1	8.1	28.2	28.2	108.5	108.5	8.1	8.1	4.6	7.8	8	7	-	-	-	-	822166	807561	-	-	-	-	
						4.5	0.3	138	21.3	8.1	8.1	28.2	28.2	108.4	108.4	8.1	8.1	4.7	7.8	6	7	-	-	-	-	822166	807561	-	-	-	-	
					Bottom	8.0	0.3	153	21.0	8.1	8.1	28.8	28.8	104.1	104.1	7.8	7.8	6.5	7.8	8	8	-	-	-	-	822166	807561	-	-	-	-	
						8.0	0.3	165	21.0	8.1	8.1	28.8	28.8	104.1	104.1	7.8	7.8	6.5	7.8	8	8	-	-	-	-	822166	807561	-	-	-	-	
SR4A	Cloudy	Moderate	18:12	8.9	Surface	1.0	0.3	175	21.2	8.0	8.0	29.7	29.7	106.6	106.6	7.9	7.9	4.0	4.2	11	11	-	-	817202	807795	-	-	-	-			
						1.0	0.3	183	21.2	8.0	8.0	29.7	29.7	106.5	106.5	7.9	7.9	4.0	4.2	11	14	-	-	-	-	817202	807795	-	-	-	-	
					Middle	4.5	0.2	173	21.2	8.0	8.0	29.7	29.7	105.2	105.2	7.8	7.8	4.2	7.6	15	14	-	-	-	-	817202	807795	-	-	-	-	
						4.5	0.2	179	21.2	8.0	8.0	29.7	29.7	105.1	105.1	7.8	7.8	4.2	7.6	14	15	-	-	-	-	817202	807795	-	-	-	-	
					Bottom	7.9	0.3	150	21.3	7.9	7.9	29.8	29.8	102.0	102.0	7.6	7.6	4.5	7.6	15	17	-	-	-	-	817202	807795	-	-	-	-	
						7.9	0.3	157	21.3	7.9	7.9	29.8	29.8	101.9	101.9	7.6	7.6	4.5	7.6	17	17	-	-	-	-	817202	807795	-	-	-	-	
SR5A	Cloudy	Moderate	18:28	4.1	Surface	1.0	0.2	211	21.3	8.0	8.0	30.2	30.2	102.9	102.9	7.6	7.6	5.1	5.1	11	12	-	-	816612	810679	-	-	-	-			
						1.0	0.2	213	21.3	8.0	8.0	30.2	30.2	102.9	102.9	7.6	7.6	5.1	5.1	12	23	-	-	-	-	816612	810679	-	-	-	-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.1	0.2	200	21.3	7.9	7.9	30.0	30.0	99.1	99.1	7.4	7.4	5.0	7.4	32												

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

**Water Quality Monitoring Results on 22 December 16 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	14:12	8.4	Surface	1.0	0.7	122	21.1	21.1	8.0	8.0	27.3	27.3	103.1	103.1	7.8	7.7	2.4	4.5	3	4	93	94	815618	804238	<0.2	<0.2	2.4	2.4				
						1.0	0.7	122	21.1		8.0	8.0	27.3	27.3	103.1	103.1	7.8		2.4		4		93				<0.2		2.3					
					Middle	4.2	0.9	105	21.1	21.1	8.0	8.0	27.5	27.6	100.8	100.8	7.6	7.7	4.8	4.5	3	4	94	94			<0.2		<0.2		2.4	2.4		
						4.2	1.0	105	21.1		8.0	8.0	27.6	27.6	100.7	100.7	7.6		5.0		5		94				<0.2				2.4			
					Bottom	7.4	0.9	107	21.0	21.0	8.0	8.0	30.4	30.4	100.6	100.6	7.5	7.5	6.4	7.5	4	4	95	95			<0.2				<0.2		2.4	2.4
						7.4	1.0	108	21.0		8.0	8.0	30.4	30.4	100.6	100.6	7.5		6.2		4		95				<0.2						2.4	
C2	Cloudy	Rough	12:46	11.5	Surface	1.0	0.6	194	21.4	21.4	7.9	7.9	25.2	25.2	101.2	101.2	7.7	7.7	2.6	3.0	4	4	83	90	825666	806926	<0.2	<0.2		3.6			3.3	
						1.0	0.6	213	21.4		7.9	7.9	25.2	25.2	101.2	101.2	7.7		2.6		3		83				<0.2			3.4				
					Middle	5.8	0.5	232	21.3	21.3	8.0	8.0	27.3	27.3	100.6	100.6	7.6	7.6	2.9	7.6	4	4	92	93			<0.2		<0.2	3.3		3.2		
						5.8	0.6	238	21.3		8.0	8.0	27.2	27.3	100.6	100.6	7.6		3.0		3		93				<0.2			3.2				
					Bottom	10.5	0.8	245	21.3	21.3	8.0	8.0	28.5	28.5	100.5	100.6	7.5	7.6	3.6	7.6	3	5	94	94			<0.2			<0.2	3.2			3.2
						10.5	0.8	256	21.3		8.0	8.0	28.5	28.5	100.6	100.6	7.6		3.3		5		94				<0.2				3.2			
C3	Fine	Moderate	14:52	12.0	Surface	1.0	0.4	261	21.7	21.7	8.1	8.1	28.7	28.7	105.9	105.8	7.9	7.7	3.1	5.8	3	4	90	92	822111	817817	<0.2	<0.2			1.5		2.1	
						1.0	0.4	264	21.7		8.1	8.1	28.7	28.7	105.6	105.8	7.9		3.2		3		90				<0.2				1.4			
					Middle	6.0	0.4	255	21.4	21.4	8.0	8.0	29.6	29.6	99.5	99.5	7.4	7.4	6.5	7.4	5	4	93	92			<0.2		<0.2		2.5	2.5		
						6.0	0.4	256	21.4		8.0	8.0	29.6	29.6	99.4	99.5	7.4		6.7		3		92				<0.2				2.5			
					Bottom	11.0	0.3	248	21.4	21.4	8.0	8.0	29.6	29.6	99.2	99.2	7.4	7.4	7.6	7.4	5	5	94	94			<0.2			<0.2	2.2			2.2
						11.0	0.3	267	21.4		8.0	8.0	29.6	29.6	99.2	99.2	7.4		7.6		5		94				<0.2				2.2			
IM1	Sunny	Rough	13:43	7.1	Surface	1.0	1.0	115	21.2	21.2	8.0	8.0	28.5	28.5	103.5	103.5	7.8	7.8	3.0	6.8	6	7	91	93	818356	806457	<0.2	<0.2			2.6		2.5	
						1.0	1.0	117	21.2		8.0	8.0	28.5	28.5	103.5	103.5	7.8		3.0		6		92				<0.2				2.7			
					Middle	3.6	0.9	125	21.2	21.2	8.0	8.0	28.5	28.5	102.7	102.7	7.7	7.7	2.9	7.7	6	7	93	93			<0.2		<0.2		2.3	2.2		
						3.6	1.0	125	21.2		8.0	8.0	28.5	28.5	102.7	102.7	7.7		3.0		7		93				<0.2				2.2			
					Bottom	6.1	0.9	139	21.1	21.1	8.0	8.0	28.9	28.9	100.7	100.7	7.6	7.6	14.6	14.0	8	9	94	94			<0.2			<0.2	2.6			2.5
						6.1	1.0	139	21.1		8.0	8.0	28.9	28.9	100.7	100.7	7.6		14.0		9		94				<0.2				2.5			
IM2	Sunny	Rough	13:34	7.9	Surface	1.0	0.9	152	21.2	21.2	8.0	8.0	28.6	28.6	102.2	102.2	7.7	7.7	1.7	2.5	7	8	87	89	818838	806182	<0.2	<0.2			2.7		2.0	
						1.0	0.9	161	21.2		8.0	8.0	28.6	28.6	102.2	102.2	7.7		1.8		6		87				<0.2				2.8			
					Middle	4.0	0.9	144	21.2	21.2	8.0	8.0	28.6	28.6	101.6	101.6	7.6	7.6	2.0	7.6	8	8	89	89			<0.2		<0.2		1.6	1.6		
						4.0	1.0	144	21.2		8.0	8.0	28.6	28.6	101.6	101.6	7.6		2.0		7		89				<0.2				1.6			
					Bottom	6.9	1.0	170	21.1	21.1	8.0	8.0	29.2	29.2	100.6	100.6	7.5	7.5	3.8	3.6	9	10	91	91			<0.2			<0.2	1.6			1.9
						6.9	1.1	184	21.1		8.0	8.0	29.2	29.2	100.6	100.6	7.5		3.6		10		91				<0.2				1.9			
IM3	Sunny	Rough	13:23	8.3	Surface	1.0	0.9	176	21.2	21.2	8.0	8.0	28.1	28.1	102.8	102.8	7.8	7.8	1.4	1.5	6	6	92	94	819416	806002	<0.2	<0.2			1.9		1.8	
						1.0	0.9	186	21.2		8.0	8.0	28.1	28.1	102.8	102.8	7.8		1.4		6		93				<0.2				2.0			
					Middle	4.2	0.9	181	21.2	21.2	8.0	8.0	28.0	28.0	102.0	102.0	7.7	7.7	1.4	7.7	6	6	94	93			<0.2		<0.2		1.8	1.7		
						4.2	0.9	187	21.2		8.0	8.0	28.0	28.0	102.0	102.0	7.7		1.4		6		93				<0.2				1.7			
					Bottom	7.3	0.9	168	21.1	21.1	7.9	7.9	28.5	28.5	100.6	100.6	7.6	7.6	1.7	1.7	7	7	94	95			<0.2			<0.2	1.7			1.8
						7.3	0.9	178	21.1		7.9	7.9	28.5	28.5	100.6	100.6	7.6		1.7		7		95				<0.2				1.8			
IM4	Sunny	Rough	13:14	7.4	Surface	1.0	0.9	157	21.2	21.2	7.9	7.9	27.4	27.4	103.5	103.5	7.8	7.8	1.4	1.7	5	6	90	92	819579	805028	<0.2	<0.2			2.1		2.0	
						1.0	1.0	157	21.2		7.9	7.9	27.4	27.4	103.5	103.5	7.8		1.4		7		90				<0.2				2.0			
					Middle	3.7	0.9	157	21.2	21.2	7.9	7.9	27.4	27.4	102.4	102.4	7.8	7.8	1.6	7.8	5	6	92	92			<0.2		<0.2		2.0	1.9		
						3.7	1.0	164	21.2		7.9	7.9	27.4	27.4	102.4	102.4	7.8		1.6		6		92				<0.2				1.9			
					Bottom	6.4	1.1	176	21.0	21.0	7.9	7.9	29.0	28.9	100.9	100.9	7.6	7.6	2.2	2.0	5	6	93	93			<0.2			<0.2	2.0			2.1
						6.4	1.3	182	21.0		7.9	7.9	28.8	28.9	100.9	100.9	7.6		2.0		6		93				<0.2				2.1			
IM5	Sunny	Rough	13:06	6.5	Surface	1.0	1.0	191	21.1	21.1	7.9	7.9	27.0	27.0	103.6	103.6	7.9	7.9	1.6	1.5	5	5	90	91	820562	804929	<0.2	<0.2			2.0		2.0	
						1.0	1.1	205	21.1		7.9	7.9	27.0	27.0	103.6	103.6	7.9		1.6		5		90				<0.2				2.0			
					Middle	3.3	0.9	188	21.1	21.1	7.9	7.9	26.8	26.8	102.4	102.4	7.8	7.8	1.3	7.8	5	5	92	91			<0.2		<0.2		1.8	2.0		
						3.3	0.9	188	21.1		7.9	7.9	26.8	26.8	102.4	102.4	7.8		1.3		4		91				<0.2				2.0			
					Bottom	5.5	1.1	176	21.1	21.1	7.8	7.8	26.5	26.5	101.5	101.5	7.7	7.7	1.5	1.5	6	6	92	92			<0.2			<0.2	2.2			2.2
						5.5	1.1	181	21.1		7.8	7.8	26.5	26.5	101.5	101.5	7.7		1.5		6		92				<0.2				2.2			
IM6	Sunny	Rough	12:55	6.1	Surface	1.0	0.8	185	21.2	21.2	7.9	7.9	26.7	26.7	101.7	101.7	7.7	7.7	1.4	2.1	7	8	92	93	821069	805833	<0.2	<0.2			2.4		2.4	
						1.0	0.9	197	21.2		7.9	7.9	26.7	26.7	101.7	101.7	7.7		1.4		8		92				<0.2				2.3			
					Middle	3.1	0.8	179	21.1	21.1	7.9	7.9	26.6	26.6	100.9	100.9	7.7	7.7	1.5	7.7	7	8	93	93			<0.2		<0.2		2.4	2.4		
						3.1	0.9	193	21.1		7.9	7.9	26.6	26.6	100.9	100.9	7.7		1.5		7		93				<0.2				2.4			
					Bottom	5.1	1.0	173	21.1	21.1	7.8	7.8	27.0	27.2	99.7	99.7	7.6	7.6	3.3	3.4	8	8	94	94			<0.2			<0.2	2.5			2.5
						5.1	1.0	177	21.1		7.8	7.8	27.4	27.2	99.7	99.7	7.6</																	



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

**Water Quality Monitoring Results on 22 December 16 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	06:24	7.7	Surface	1.0	1.2	168	20.9	21.0	7.9	7.9	27.7	27.7	100.6	100.6	7.6	7.6	4.0	7.6	4	4	92	92	815631	804237	<0.2	<0.2	1.8	1.7		
						1.0	1.2	183	21.0	7.9	7.9	27.7	27.7	100.6	100.6	7.6	7.6	4.1	2.6	3	4	92	93	<0.2	<0.2	1.6	1.6					
					Middle	3.9	1.1	181	21.0	7.9	7.9	27.7	27.7	100.3	100.3	7.6	7.6	1.7	4	4	93	94	<0.2	<0.2	1.6	1.7						
						3.9	1.2	198	21.0	7.9	7.9	27.7	27.7	100.3	100.3	7.6	7.6	1.8	4	4	94	95	<0.2	<0.2	1.6	1.6						
					Bottom	6.7	1.5	207	21.0	7.9	7.9	27.8	27.8	100.2	100.2	7.6	7.6	1.9	4	4	94	95	<0.2	<0.2	1.7	1.6						
						6.7	1.6	210	21.0	7.9	7.9	27.8	27.8	100.2	100.2	7.6	7.6	1.9	4	4	95	95	<0.2	<0.2	1.6	1.6						
C2	Cloudy	Moderate	08:29	12.0	Surface	1.0	0.7	175	21.2	21.2	7.9	7.9	24.9	24.9	98.8	98.8	7.6	7.6	2.8	7.5	4	4	85	84	825699	806932	<0.2	<0.2	3.3	3.1		
						1.0	0.7	182	21.2	7.9	7.9	24.9	24.9	98.8	98.8	7.6	7.6	2.8	2.9	4	4	92	93	<0.2	<0.2	3.3	3.4					
					Middle	6.0	0.4	181	21.2	8.0	8.0	27.3	27.3	98.3	98.3	7.4	7.4	2.8	4	4	92	93	<0.2	<0.2	3.3	3.4						
						6.0	0.4	197	21.2	8.0	8.0	27.2	27.3	98.3	98.3	7.4	7.4	2.8	4	4	93	94	<0.2	<0.2	3.4	2.7						
					Bottom	11.0	0.5	129	21.3	8.0	8.0	29.3	29.3	98.4	98.4	7.4	7.4	3.1	4	4	94	94	<0.2	<0.2	2.7	2.7						
						11.0	0.6	130	21.3	8.0	8.0	29.3	29.3	98.4	98.4	7.4	7.4	3.1	4	4	94	94	<0.2	<0.2	2.7	2.7						
C3	Cloudy	Calm	06:07	11.9	Surface	1.0	0.3	114	21.2	21.2	8.0	8.0	28.5	28.5	101.7	101.7	7.6	7.6	2.3	7.6	4	4	88	90	822103	817820	<0.2	<0.2	1.5	1.7		
						1.0	0.3	115	21.2	8.0	8.0	28.5	28.5	101.7	101.7	7.6	7.6	2.3	2.3	3	4	94	93	<0.2	<0.2	1.6	1.7					
					Middle	6.0	0.3	109	21.2	8.0	8.0	28.5	28.5	101.1	101.1	7.6	7.6	2.3	4	4	94	93	<0.2	<0.2	1.6	1.7						
						6.0	0.3	119	21.2	8.0	8.0	28.5	28.5	101.1	101.1	7.6	7.6	2.3	4	4	93	95	<0.2	<0.2	1.7	1.8						
					Bottom	10.9	0.3	120	21.2	8.0	8.0	28.7	28.7	100.4	100.4	7.5	7.5	2.1	4	4	95	94	<0.2	<0.2	1.8	1.9						
						10.9	0.3	131	21.2	8.0	8.0	28.7	28.7	100.4	100.4	7.5	7.5	2.2	4	4	94	94	<0.2	<0.2	1.9	1.9						
IM1	Cloudy	Rough	06:54	6.4	Surface	1.0	1.1	163	21.0	21.0	7.9	7.9	27.7	27.7	98.4	98.4	7.4	7.4	1.2	7.4	4	4	89	89	818363	806461	<0.2	<0.2	2.5	2.3		
						1.0	1.2	170	21.0	7.9	7.9	27.7	27.7	98.3	98.4	7.4	7.4	1.2	1.4	4	4	89	90	<0.2	<0.2	2.4	2.0					
					Middle	3.2	1.2	167	21.0	7.9	7.9	28.5	28.5	97.8	97.8	7.4	7.4	1.7	4	4	90	91	<0.2	<0.2	2.0	1.9						
						3.2	1.2	169	21.0	7.9	7.9	28.5	28.5	97.8	97.8	7.4	7.4	1.7	4	4	91	92	<0.2	<0.2	1.9	2.4						
					Bottom	5.4	1.1	162	21.0	7.9	7.9	29.7	29.7	98.3	98.4	7.4	7.4	1.3	3	3	92	92	<0.2	<0.2	2.4	2.4						
						5.4	1.1	175	21.0	7.9	7.9	29.7	29.7	98.4	98.4	7.4	7.4	1.3	3	3	92	92	<0.2	<0.2	2.4	2.4						
IM2	Cloudy	Rough	07:09	7.9	Surface	1.0	0.9	187	21.1	21.1	7.8	7.8	26.5	26.5	99.4	99.4	7.6	7.6	0.8	7.6	2	4	89	89	818842	806195	<0.2	<0.2	2.8	2.8		
						1.0	0.9	201	21.1	7.8	7.8	26.5	26.5	99.4	99.4	7.6	7.6	0.8	1.0	4	4	90	91	<0.2	<0.2	2.8	2.9					
					Middle	4.0	0.9	196	21.0	7.8	7.8	26.4	26.4	98.2	98.2	7.5	7.5	1.0	4	4	90	91	<0.2	<0.2	2.8	2.9						
						4.0	0.9	211	21.0	7.8	7.8	26.4	26.4	98.1	98.1	7.5	7.5	1.0	3	3	91	92	<0.2	<0.2	2.9	2.8						
					Bottom	6.9	0.8	169	20.9	7.6	7.6	27.6	27.6	98.1	98.1	7.4	7.4	1.2	5	5	92	92	<0.2	<0.2	2.8	2.9						
						6.9	0.8	176	20.9	7.6	7.6	27.6	27.6	98.1	98.1	7.4	7.4	1.2	5	5	92	92	<0.2	<0.2	2.9	2.9						
IM3	Cloudy	Rough	07:19	7.2	Surface	1.0	0.9	193	21.0	21.0	7.8	7.8	26.8	26.8	100.5	100.5	7.6	7.6	1.9	7.6	3	4	91	91	819406	806024	<0.2	<0.2	2.9	3.0		
						1.0	1.0	206	21.0	7.8	7.8	26.8	26.8	100.5	100.5	7.6	7.6	1.9	3	4	91	92	<0.2	<0.2	3.0	3.1						
					Middle	3.6	1.0	197	21.0	7.8	7.8	26.5	26.5	99.6	99.6	7.6	7.6	1.1	2	4	92	93	<0.2	<0.2	3.1	3.1						
						3.6	1.0	216	21.0	7.8	7.8	26.4	26.5	99.6	99.6	7.6	7.6	1.1	3	4	93	94	<0.2	<0.2	3.1	2.9						
					Bottom	6.2	1.0	191	21.0	7.7	7.7	26.1	26.2	98.8	98.8	7.6	7.6	1.4	5	5	94	93	<0.2	<0.2	2.9	3.0						
						6.2	1.1	194	21.0	7.7	7.7	26.2	26.2	98.8	98.8	7.6	7.6	1.4	7	7	93	93	<0.2	<0.2	3.0	3.0						
IM4	Cloudy	Rough	07:31	7.1	Surface	1.0	1.0	177	21.0	21.0	7.9	7.9	26.8	26.8	100.5	100.5	7.7	7.7	2.7	7.7	7	7	91	91	819552	805025	<0.2	<0.2	2.8	2.8		
						1.0	1.0	184	21.0	7.9	7.9	26.8	26.8	100.5	100.5	7.7	7.7	2.7	2.7	7	7	91	92	<0.2	<0.2	2.8	2.8					
					Middle	3.6	1.0	176	21.0	7.8	7.8	26.7	26.7	99.9	99.9	7.6	7.6	2.7	7	7	92	93	<0.2	<0.2	2.7	2.8						
						3.6	1.0	182	21.0	7.8	7.8	26.7	26.7	99.9	99.9	7.6	7.6	2.7	7	7	93	94	<0.2	<0.2	2.8	3.0						
					Bottom	6.1	1.2	168	20.9	7.6	7.6	26.1	26.1	98.9	98.9	7.6	7.6	2.8	7	7	94	95	<0.2	<0.2	3.0	2.9						
						6.1	1.2	176	20.9	7.6	7.6	26.0	26.1	98.9	98.9	7.6	7.6	2.8	7	7	95	95	<0.2	<0.2	2.9	2.9						
IM5	Cloudy	Rough	07:46	6.2	Surface	1.0	0.9	185	21.0	21.0	7.8	7.8	26.5	26.5	99.6	99.6	7.6	7.6	3.3	7.6	6	7	89	90	820562	804908	<0.2	<0.2	1.8	2.2		
						1.0	1.0	201	21.0	7.8	7.8	26.4	26.5	99.6	99.6	7.6	7.6	3.2	7	7	90	90	<0.2	<0.2	2.0	2.3						
					Middle	3.1	1.0	189	21.0	7.8	7.8	26.3	26.3	99.2	99.2	7.6	7.6	3.6	7	7	90	90	<0.2	<0.2	2.3	2.2						
						3.1	1.1	192	21.0	7.8	7.8	26.3	26.3	99.2	99.2	7.6	7.6	3.6	7	7	90	91	<0.2	<0.2	2.2	2.2						
					Bottom	5.2	1.0	194	21.0	7.7	7.7	27.3	27.4	98.5	98.5	7.5	7.5	4.3	7	7	91	91	<0.2	<0.2	2.2	2.2						
						5.2	1.0	210	21.0	7.6	7.6	27.4	27.4	98.5	98.5	7.5	7.5	4.3	8	8	91	91	<0.2	<0.2	2.4	2.4						
IM6	Cloudy	Rough	07:59	6.1	Surface	1.0	0.9	201	21.0	21.0	7.9	7.9	27.3	27.3	100.4	100.4	7.6	7.6	3.7	7.6	4	5	90	91	821054	805841	<0.2	<0.2	2.1	2.0		
						1.0	1.0	204	21.0	7.9	7.9	27.3	27.																			

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

**Water Quality Monitoring Results on 22 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)				
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	
IM9	Cloudy	Moderate	07:31	7.0	Surface	1.0	0.7	167	21.2	8.0	8.0	26.6	26.6	101.9	101.9	7.8	7.8	2.3	2.3	2	2	86	86	91	822094	808826	<0.2	<0.2	2.3	2.3			
						1.0	0.7	175	21.2	8.0	8.0	26.6	26.6	101.9	101.9	7.8	7.8	2.2	2.2	3	3	87	87	91	822094	808826	<0.2	<0.2	2.2	2.2			
					Middle	3.5	0.6	166	21.2	8.0	8.0	26.9	26.9	101.6	101.6	7.7	7.7	2.6	2.6	3	3	91	91	92	92	91	822094	808826	<0.2	<0.2	1.9	1.9	
						3.5	0.6	172	21.2	8.0	8.0	26.9	26.9	101.6	101.6	7.7	7.7	2.4	2.4	3	3	92	92	94	94	91	822094	808826	<0.2	<0.2	1.9	1.9	
					Bottom	6.0	0.5	163	21.2	8.0	8.0	27.0	27.1	101.3	100.8	7.7	7.7	2.1	2.1	3	3	94	94	95	95	91	822094	808826	<0.2	<0.2	1.9	1.9	
						6.0	0.5	167	21.2	8.0	8.0	27.1	27.1	100.3	100.8	7.6	7.6	2.2	2.2	4	4	95	95	95	95	91	822094	808826	<0.2	<0.2	2.0	2.0	
IM10	Cloudy	Moderate	07:21	6.8	Surface	1.0	0.5	160	21.2	8.0	8.0	27.2	27.2	101.7	101.7	7.7	7.7	2.4	2.4	4	4	86	86	91	822236	809845	<0.2	<0.2	1.7	1.7			
						1.0	0.5	163	21.2	8.0	8.0	27.2	27.2	101.7	101.7	7.7	7.7	2.4	2.4	3	3	87	87	91	822236	809845	<0.2	<0.2	1.7	1.7			
					Middle	3.4	0.4	147	21.2	8.0	8.0	27.4	27.5	100.8	100.7	7.6	7.6	2.8	2.8	3	3	92	92	94	94	91	822236	809845	<0.2	<0.2	1.8	1.8	
						3.4	0.4	156	21.2	8.0	8.0	27.5	27.5	100.6	100.7	7.6	7.6	2.9	2.9	3	3	94	94	94	94	91	822236	809845	<0.2	<0.2	1.7	1.7	
					Bottom	5.8	0.4	152	21.2	8.0	8.0	28.2	28.2	99.8	99.8	7.5	7.5	3.2	3.2	3	3	94	94	94	94	91	822236	809845	<0.2	<0.2	1.9	1.9	
						5.8	0.4	152	21.2	8.0	8.0	28.1	28.2	99.8	99.8	7.5	7.5	3.1	3.1	3	3	93	93	93	93	91	822236	809845	<0.2	<0.2	2.0	2.0	
IM11	Cloudy	Moderate	07:07	8.0	Surface	1.0	0.5	142	21.3	8.0	8.0	27.1	27.1	102.1	102.1	7.7	7.7	2.4	2.4	3	3	87	87	91	821494	810530	<0.2	<0.2	2.2	2.2			
						1.0	0.5	150	21.3	8.0	8.0	27.1	27.1	102.0	102.1	7.7	7.7	2.4	2.4	4	4	86	86	91	821494	810530	<0.2	<0.2	2.1	2.1			
					Middle	4.0	0.5	140	21.2	8.0	8.0	27.2	27.2	101.5	101.5	7.7	7.7	2.4	2.4	3	3	92	92	93	93	91	821494	810530	<0.2	<0.2	2.1	2.1	
						4.0	0.5	145	21.2	8.0	8.0	27.2	27.2	101.5	101.5	7.7	7.7	2.4	2.4	3	3	93	93	94	94	91	821494	810530	<0.2	<0.2	2.3	2.3	
					Bottom	7.0	0.5	135	21.2	8.0	8.0	27.5	27.5	101.0	101.0	7.6	7.6	2.7	2.7	3	3	94	94	94	94	91	821494	810530	<0.2	<0.2	2.2	2.2	
						7.0	0.6	146	21.2	8.0	8.0	27.5	27.5	101.0	101.0	7.6	7.6	2.7	2.7	3	3	94	94	94	94	91	821494	810530	<0.2	<0.2	2.2	2.2	
IM12	Cloudy	Moderate	06:58	8.7	Surface	1.0	0.5	137	21.2	8.0	8.0	27.0	27.0	101.8	101.7	7.7	7.7	2.2	2.2	3	3	88	88	91	821162	811529	<0.2	<0.2	2.2	2.2			
						1.0	0.5	150	21.2	8.0	8.0	27.0	27.0	101.6	101.7	7.7	7.7	2.1	2.1	2	2	88	88	91	821162	811529	<0.2	<0.2	2.2	2.2			
					Middle	4.4	0.5	113	21.2	8.0	8.0	27.1	27.1	100.4	100.4	7.6	7.6	2.5	2.5	2	2	93	93	93	93	91	821162	811529	<0.2	<0.2	2.1	2.1	
						4.4	0.6	120	21.2	8.0	8.0	27.1	27.1	100.3	100.4	7.6	7.6	2.6	2.6	3	3	92	92	93	93	91	821162	811529	<0.2	<0.2	2.2	2.2	
					Bottom	7.7	0.5	101	21.2	7.9	7.9	27.2	27.2	99.5	99.5	7.5	7.5	3.0	3.0	2	2	93	93	94	94	91	821162	811529	<0.2	<0.2	2.4	2.4	
						7.7	0.5	103	21.2	7.9	7.9	27.1	27.2	99.5	99.5	7.5	7.5	3.0	3.0	2	2	94	94	94	94	91	821162	811529	<0.2	<0.2	2.2	2.2	
SR2	Cloudy	Moderate	06:35	4.5	Surface	1.0	0.4	106	21.2	8.0	8.0	27.5	27.5	101.2	101.1	7.7	7.7	3.6	3.6	3	3	87	87	90	821462	814175	<0.2	<0.2	2.3	2.3			
						1.0	0.4	108	21.2	8.0	8.0	27.5	27.5	101.0	101.1	7.6	7.6	3.8	3.8	3	3	88	88	90	821462	814175	<0.2	<0.2	2.2	2.2			
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821462	814175	<0.2	<0.2	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	821462	814175	<0.2	<0.2	-	-
					Bottom	3.5	0.4	104	21.2	8.0	8.0	27.8	27.8	100.3	100.4	7.6	7.6	4.7	4.7	4	4	93	93	93	93	90	821462	814175	<0.2	<0.2	2.1	2.1	
						3.5	0.4	104	21.2	8.0	8.0	27.8	27.8	100.4	100.4	7.6	7.6	4.9	4.9	3	3	93	93	93	93	90	821462	814175	<0.2	<0.2	2.0	2.0	
SR3	Cloudy	Moderate	07:48	8.4	Surface	1.0	0.5	182	21.1	8.0	8.0	26.2	26.2	101.4	101.4	7.7	7.7	2.7	2.7	4	4	-	-	-	-	822135	807560	-	-	-	-		
						1.0	0.5	190	21.1	8.0	8.0	26.2	26.2	101.4	101.4	7.7	7.7	2.7	2.7	6	6	-	-	-	-	822135	807560	-	-	-	-		
					Middle	4.2	0.4	197	21.1	8.0	8.0	26.7	26.7	100.8	100.8	7.7	7.7	2.8	2.8	4	4	-	-	-	-	-	-	822135	807560	-	-	-	-
						4.2	0.4	202	21.1	8.0	8.0	26.7	26.7	100.7	100.8	7.7	7.7	2.8	2.8	4	4	-	-	-	-	-	-	822135	807560	-	-	-	-
					Bottom	7.4	0.4	202	21.1	8.0	8.0	28.0	28.1	99.8	99.8	7.5	7.5	2.9	2.9	4	4	-	-	-	-	-	-	822135	807560	-	-	-	-
						7.4	0.4	211	21.1	8.0	8.0	28.2	28.1	99.8	99.8	7.5	7.5	2.9	2.9	4	4	-	-	-	-	-	-	822135	807560	-	-	-	-
SR4A	Cloudy	Moderate	06:00	7.4	Surface	1.0	0.3	175	21.0	7.9	7.9	29.1	29.1	99.7	99.7	7.5	7.5	2.3	2.3	5	5	-	-	-	-	817180	807798	-	-	-	-		
						1.0	0.3	189	21.0	7.9	7.9	29.1	29.1	99.7	99.7	7.5	7.5	2.3	2.3	6	6	-	-	-	-	-	-	817180	807798	-	-	-	-
					Middle	3.7	0.3	178	21.0	7.9	7.9	28.8	28.8	99.4	99.4	7.5	7.5	2.2	2.2	5	5	-	-	-	-	-	-	817180	807798	-	-	-	-
						3.7	0.4	187	21.0	7.9	7.9	28.8	28.8	99.3	99.3	7.5	7.5	2.1	2.1	5	5	-	-	-	-	-	-	817180	807798	-	-	-	-
					Bottom	6.4	0.3	182	21.0	7.7	7.7	27.5	27.5	97.9	97.9	7.4	7.4	3.2	3.2	4	4	-	-	-	-	-	-	817180	807798	-	-	-	-
						6.4	0.3	187	21.0	7.7	7.7	27.4	27.5	97.9	97.9	7.4	7.4	3.2	3.2	6	6	-	-	-	-	-	-	817180	807798	-	-	-	-
SR5A	Cloudy	Moderate	05:41	3.7	Surface	1.0	0.1	256	21.1	7.9	7.9	29.3	29.3	99.1	99.1	7.4	7.4	2.8	2.8	3	3	-	-	-	-	816579	810708	-	-	-	-		
						1.0	0.1	277	21.0	7.9	7.9	29.3	29.3	99.1	99.1	7.4	7.4	2.9	2.9	4	4	-	-	-	-	-	-	816579	810708	-	-	-	-
					Middle	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816579	810708	-	-	-	-
						1.9	-																										

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

**Water Quality Monitoring Results on 24 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	15:10	8.9	Surface	1.0	0.5	79	20.9	20.9	8.1	8.1	30.6	30.6	108.9	108.9	8.1	8.1	2.9	2.9	6	6	94	94	815603	804245	<0.2	<0.2	1.2	1.2
						1.0	0.5	79	20.9	8.1	8.1	30.6	30.6	108.8	108.8	8.1	8.1	2.7	2.7	5	5	94	94	<0.2	<0.2	1.2	1.2			
					Middle	4.5	0.4	81	20.9	20.9	8.0	8.0	30.4	30.4	107.8	107.8	8.1	8.1	2.6	2.6	6	6	95	95	95	95	<0.2	<0.2	1.7	1.7
						4.5	0.4	85	20.9	20.9	8.0	8.0	30.4	30.4	107.8	107.8	8.1	8.1	2.7	2.7	6	6	95	95	95	95	<0.2	<0.2	1.6	1.6
					Bottom	7.9	0.4	76	20.9	20.9	8.0	8.0	30.0	30.0	105.4	105.4	7.9	7.9	3.3	3.3	7	7	96	96	95	95	<0.2	<0.2	1.6	1.6
						7.9	0.5	82	20.9	20.9	8.0	8.0	30.0	30.0	105.3	105.3	7.9	7.9	3.4	3.4	7	7	95	95	95	95	<0.2	<0.2	1.8	1.8
C2	Cloudy	Moderate	14:06	12.1	Surface	1.0	0.3	231	20.9	20.9	8.1	8.1	27.3	27.3	107.7	107.7	8.2	8.1	2.4	2.4	4	4	85	85	825681	806950	<0.2	<0.2	1.7	1.7
						1.0	0.3	236	20.9	20.9	8.1	8.1	27.3	27.3	107.6	107.6	8.2	8.1	2.4	2.4	3	3	85	85	90	90	<0.2	<0.2	1.6	1.6
					Middle	6.1	0.4	263	21.2	21.2	8.1	8.1	28.6	28.6	105.2	105.2	7.9	7.9	3.5	3.5	4	4	91	91	90	90	<0.2	<0.2	1.3	1.3
						6.1	0.4	266	21.2	21.2	8.1	8.1	28.6	28.6	105.1	105.1	7.9	7.9	3.5	3.5	2	2	90	90	90	90	<0.2	<0.2	1.3	1.3
					Bottom	11.1	0.4	222	21.3	21.3	8.1	8.1	28.7	28.7	105.8	105.8	7.9	7.9	3.6	3.6	3	3	93	93	93	93	<0.2	<0.2	1.0	1.0
						11.1	0.4	242	21.2	21.3	8.1	8.1	28.7	28.7	105.8	105.8	7.9	7.9	3.5	3.5	4	4	93	93	93	93	<0.2	<0.2	1.2	1.2
C3	Cloudy	Moderate	16:04	12.3	Surface	1.0	0.4	244	21.4	21.4	8.1	8.1	30.1	30.1	101.3	101.3	7.5	7.5	2.7	2.7	4	4	90	90	822125	817818	<0.2	<0.2	0.5	0.5
						1.0	0.4	266	21.4	21.4	8.1	8.1	30.1	30.1	101.3	101.3	7.5	7.5	2.7	2.7	2	2	91	91	93	93	<0.2	<0.2	0.5	0.5
					Middle	6.2	0.3	251	21.4	21.4	8.1	8.1	30.1	30.1	101.1	101.1	7.5	7.5	3.3	3.3	5	5	92	92	93	93	<0.2	<0.2	0.5	0.5
						6.2	0.3	255	21.4	21.4	8.1	8.1	30.1	30.1	101.1	101.1	7.5	7.5	3.4	3.4	4	4	93	93	93	93	<0.2	<0.2	0.4	0.4
					Bottom	11.3	0.3	245	21.4	21.4	8.1	8.1	30.1	30.1	101.0	101.0	7.5	7.5	3.7	3.7	6	6	95	95	94	94	<0.2	<0.2	0.4	0.4
						11.3	0.3	266	21.4	21.4	8.1	8.1	30.1	30.1	101.1	101.1	7.5	7.5	3.5	3.5	6	6	94	94	94	94	<0.2	<0.2	0.4	0.4
IM1	Cloudy	Moderate	14:48	7.9	Surface	1.0	0.4	165	20.8	20.8	8.1	8.1	30.3	30.3	111.2	111.2	8.3	8.2	2.0	2.0	3	3	90	90	818361	806471	<0.2	<0.2	0.4	0.4
						1.0	0.4	175	20.8	20.8	8.1	8.1	30.3	30.3	111.2	111.2	8.3	8.2	2.0	2.0	3	3	90	90	91	91	<0.2	<0.2	0.3	0.3
					Middle	4.0	0.4	127	20.8	20.8	8.1	8.1	30.1	30.1	108.6	108.6	8.1	8.1	2.5	2.5	4	4	91	91	91	91	<0.2	<0.2	0.5	0.5
						4.0	0.4	129	20.8	20.8	8.1	8.1	30.1	30.1	108.5	108.5	8.1	8.1	2.4	2.4	4	4	91	91	91	91	<0.2	<0.2	0.4	0.4
					Bottom	6.9	0.3	167	20.8	20.8	8.0	8.0	29.7	29.7	102.9	102.9	7.7	7.7	2.9	2.9	4	4	92	92	92	92	<0.2	<0.2	0.4	0.4
						6.9	0.3	181	20.8	20.8	8.0	8.0	29.6	29.6	102.7	102.7	7.7	7.7	2.9	2.9	5	5	92	92	92	92	<0.2	<0.2	0.4	0.4
IM2	Cloudy	Moderate	14:43	8.4	Surface	1.0	0.4	131	20.8	20.8	8.1	8.1	30.1	30.1	111.9	111.9	8.4	8.3	1.8	1.8	2	2	92	92	818839	806207	<0.2	<0.2	0.4	0.4
						1.0	0.4	134	20.8	20.8	8.1	8.1	30.1	30.1	111.8	111.8	8.4	8.3	1.8	1.8	4	4	92	92	93	93	<0.2	<0.2	0.5	0.5
					Middle	4.2	0.4	118	20.8	20.8	8.1	8.1	29.9	29.9	108.8	108.8	8.2	8.2	1.9	1.9	4	4	92	92	93	93	<0.2	<0.2	0.5	0.5
						4.2	0.4	121	20.8	20.8	8.1	8.1	29.9	29.9	108.7	108.7	8.2	8.2	1.9	1.9	4	4	93	93	93	93	<0.2	<0.2	0.5	0.5
					Bottom	7.4	0.4	115	20.8	20.8	8.0	8.0	29.6	29.6	104.0	104.0	7.8	7.8	2.0	2.0	3	3	93	93	94	94	<0.2	<0.2	0.5	0.5
						7.4	0.4	115	20.8	20.8	8.0	8.0	29.5	29.5	103.8	103.8	7.8	7.8	2.0	2.0	4	4	94	94	94	94	<0.2	<0.2	0.5	0.5
IM3	Cloudy	Moderate	14:34	8.6	Surface	1.0	0.4	137	20.8	20.8	8.0	8.0	29.8	29.8	108.2	108.2	8.1	8.1	1.7	1.7	5	5	92	92	819409	806012	<0.2	<0.2	0.6	0.6
						1.0	0.4	144	20.8	20.8	8.0	8.0	29.8	29.8	108.1	108.1	8.1	8.1	1.8	1.8	5	5	93	93	94	94	<0.2	<0.2	0.7	0.7
					Middle	4.3	0.4	154	20.8	20.8	8.0	8.0	29.8	29.8	106.4	106.4	8.0	8.0	2.3	2.3	5	5	94	94	94	94	<0.2	<0.2	0.6	0.6
						4.3	0.4	161	20.8	20.8	8.0	8.0	29.8	29.8	106.4	106.4	8.0	8.0	2.4	2.4	5	5	94	94	94	94	<0.2	<0.2	0.6	0.6
					Bottom	7.6	0.3	138	20.8	20.8	8.0	8.0	29.8	29.8	104.7	104.7	7.9	7.9	3.8	3.8	4	4	94	94	95	95	<0.2	<0.2	0.6	0.6
						7.6	0.4	146	20.8	20.8	8.0	8.0	29.8	29.8	104.7	104.7	7.9	7.9	3.9	3.9	3	3	95	95	95	95	<0.2	<0.2	0.5	0.5
IM4	Cloudy	Moderate	14:27	8.1	Surface	1.0	0.4	154	20.8	20.8	8.0	8.0	29.4	29.4	110.5	110.5	8.3	8.3	1.6	1.6	3	3	91	91	819550	805056	<0.2	<0.2	0.9	0.9
						1.0	0.4	157	20.8	20.8	8.0	8.0	29.4	29.4	110.4	110.4	8.3	8.3	1.6	1.6	2	2	92	92	93	93	<0.2	<0.2	0.8	0.8
					Middle	4.1	0.4	127	20.8	20.8	8.0	8.0	29.6	29.6	108.7	108.7	8.2	8.2	2.7	2.7	2	2	93	93	93	93	<0.2	<0.2	0.8	0.8
						4.1	0.4	131	20.8	20.8	8.0	8.0	29.6	29.6	108.6	108.6	8.2	8.2	2.8	2.8	2	2	93	93	93	93	<0.2	<0.2	0.8	0.8
					Bottom	7.1	0.4	108	20.8	20.8	8.0	8.0	29.9	29.9	107.2	107.2	8.0	8.0	6.1	6.1	3	3	93	93	94	94	<0.2	<0.2	0.7	0.7
						7.1	0.4	114	20.8	20.8	8.0	8.0	29.9	29.9	107.2	107.2	8.0	8.0	6.2	6.2	4	4	94	94	94	94	<0.2	<0.2	0.7	0.7
IM5	Cloudy	Moderate	14:17	6.8	Surface	1.0	0.3	198	20.9	20.9	8.0	8.0	29.0	29.0	111.5	111.5	8.4	8.2	1.4	1.4	4	4	93	93	820575	804906	<0.2	<0.2	1.0	1.0
						1.0	0.3	213	20.8	20.8	8.0	8.0	29.0	29.0	111.4	111.4	8.4	8.2	1.5	1.5	4	4	93	93	94	94	<0.2	<0.2	0.9	0.9
					Middle	3.4	0.4	189	20.8	20.8	8.0	8.0	29.1	29.1	105.2	105.2	7.9	7.9	2.5	2.5	3	3	94	94	94	94	<0.2	<0.2	0.9	0.9
						3.4	0.4	191	20.8	20.8	8.0	8.0	29.1	29.1	105.0	105.0	7.9	7.9	2.6	2.6	5	5	94	94	95	95	<0.2	<0.2	0.9	0.9
					Bottom	5.8	0.3	214	20.8	20.8	7.9	7.9	29.4	29.4	102.8	102.8	7.7													



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

**Water Quality Monitoring Results on 24 December 16 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	09:01	8.5	Surface	1.0	0.3	212	20.9	20.9	8.0	8.0	30.4	30.4	105.9	105.9	7.9	7.9	2.3	2.4	6	4	92	91	815612	804242	<0.2	<0.2	1.0	1.0		
						1.0	0.3	226	20.9	8.0	8.0	30.4	30.4	105.8	105.8	7.9	7.9	2.4	2.4	4	6	91	92	<0.2			<0.2	1.0	1.0			
					Middle	4.3	0.4	208	20.9	20.9	8.0	8.0	30.2	30.2	104.3	104.3	7.8	7.8	2.7	2.8	6	7	92	93			<0.2	<0.2	1.0	1.1		
						4.3	0.4	225	20.9	20.9	8.0	8.0	30.2	30.2	104.2	104.2	7.8	7.8	2.8	2.8	7	5	93	94			<0.2	<0.2	1.1	0.5		
					Bottom	7.5	0.3	205	20.9	20.9	7.9	7.9	29.8	29.8	101.4	101.4	7.6	7.6	3.2	3.2	5	5	94	94			<0.2	<0.2	0.5	0.4		
						7.5	0.4	206	20.9	20.9	7.9	7.9	29.8	29.8	101.3	101.3	7.6	7.6	3.2	3.2	5	5	94	94			<0.2	<0.2	0.4	0.4		
C2	Cloudy	Moderate	10:21	12.4	Surface	1.0	0.9	167	21.0	21.0	8.1	8.1	28.3	28.3	103.8	103.8	7.8	7.8	3.2	3.2	2	3	84	85	825700	806956	<0.2	<0.2	1.4	1.4		
						1.0	0.9	178	21.0	21.0	8.1	8.1	28.3	28.3	103.7	103.7	7.8	7.8	3.2	3.2	3	5	91	91			<0.2	<0.2	1.2	1.3		
					Middle	6.2	0.7	177	21.4	21.4	8.1	8.1	29.1	29.1	101.3	101.3	7.6	7.6	3.9	3.8	4	4	91	91			<0.2	<0.2	1.2	1.3		
						6.2	0.7	193	21.4	21.4	8.1	8.1	29.1	29.1	101.2	101.2	7.6	7.6	3.8	3.8	4	4	91	91			<0.2	<0.2	1.3	1.2		
					Bottom	11.4	0.7	146	21.4	21.4	8.1	8.1	29.7	29.7	101.2	101.2	7.5	7.5	5.9	5.9	4	4	94	94			<0.2	<0.2	1.2	1.1		
						11.4	0.8	160	21.4	21.4	8.1	8.1	29.7	29.7	101.2	101.2	7.5	7.5	5.9	5.9	3	3	93	93			<0.2	<0.2	1.1	1.1		
C3	Cloudy	Moderate	08:31	12.0	Surface	1.0	0.3	161	21.4	21.4	8.1	8.1	30.1	30.1	103.9	103.9	7.7	7.7	3.2	3.3	3	3	89	90	822123	817795	<0.2	<0.2	1.0	1.0		
						1.0	0.3	174	21.4	21.4	8.1	8.1	30.1	30.1	103.9	103.9	7.7	7.7	3.3	3.3	3	3	90	92			<0.2	<0.2	1.0	1.0		
					Middle	6.0	0.3	188	21.4	21.4	8.1	8.1	30.1	30.1	103.9	104.0	7.7	7.7	1.7	1.7	3	4	92	93			<0.2	<0.2	1.2	1.0		
						6.0	0.3	193	21.4	21.4	8.1	8.1	30.1	30.1	104.0	104.0	7.7	7.7	1.7	1.7	4	2	93	94			<0.2	<0.2	1.0	0.8		
					Bottom	11.0	0.3	146	21.4	21.4	8.1	8.1	30.1	30.1	104.3	104.3	7.7	7.7	1.3	1.2	2	2	94	94			<0.2	<0.2	0.8	0.8		
						11.0	0.3	156	21.4	21.4	8.1	8.1	30.1	30.1	104.3	104.3	7.7	7.7	1.2	1.2	2	2	94	94			<0.2	<0.2	0.8	0.8		
IM1	Cloudy	Moderate	09:22	7.1	Surface	1.0	0.4	205	20.8	20.8	8.0	8.0	29.9	29.9	106.3	106.3	8.0	8.0	1.3	1.2	3	4	91	90	818361	806465	<0.2	<0.2	1.0	0.9		
						1.0	0.4	210	20.8	20.8	8.0	8.0	29.9	29.9	106.2	106.2	8.0	8.0	1.2	1.2	4	3	90	91			<0.2	<0.2	0.6	0.6		
					Middle	3.6	0.3	193	20.8	20.8	8.0	8.0	29.6	29.6	104.3	104.2	7.8	7.8	1.2	1.2	3	4	91	92			<0.2	<0.2	0.6	0.6		
						3.6	0.4	210	20.8	20.8	8.0	8.0	29.5	29.5	104.2	104.2	7.8	7.8	1.2	1.2	4	5	92	92			<0.2	<0.2	0.6	0.6		
					Bottom	6.1	0.4	177	20.8	20.8	7.8	7.8	29.1	29.1	100.3	100.3	7.6	7.6	1.4	1.4	5	6	92	93			<0.2	<0.2	0.6	0.7		
						6.1	0.4	188	20.8	20.8	7.8	7.8	29.0	29.0	100.2	100.2	7.5	7.5	1.4	1.4	6	6	93	93			<0.2	<0.2	0.7	0.7		
IM2	Cloudy	Moderate	09:30	8.1	Surface	1.0	0.4	201	20.8	20.8	8.0	8.0	29.7	29.7	105.9	105.9	8.0	8.0	1.1	1.1	3	2	91	91	818849	806197	<0.2	<0.2	1.1	1.2		
						1.0	0.4	218	20.8	20.8	8.0	8.0	29.7	29.7	105.9	105.9	8.0	8.0	1.1	1.1	2	3	91	92			<0.2	<0.2	0.8	0.8		
					Middle	4.1	0.3	182	20.8	20.8	8.0	8.0	29.6	29.6	103.4	103.4	7.8	7.8	1.4	1.4	3	4	92	92			<0.2	<0.2	0.8	0.8		
						4.1	0.3	188	20.8	20.8	8.0	8.0	29.5	29.5	103.3	103.3	7.8	7.8	1.4	1.4	4	5	92	92			<0.2	<0.2	0.8	0.7		
					Bottom	7.1	0.3	187	20.8	20.8	7.9	7.9	29.2	29.2	99.6	99.5	7.5	7.5	1.7	1.6	5	7	92	93			<0.2	<0.2	0.7	0.7		
						7.1	0.3	188	20.8	20.8	7.9	7.9	29.2	29.2	99.4	99.5	7.5	7.5	1.6	1.6	7	7	93	93			<0.2	<0.2	0.7	0.7		
IM3	Cloudy	Moderate	09:38	8.3	Surface	1.0	0.3	192	20.8	20.8	8.0	8.0	30.3	30.3	106.1	106.1	7.9	7.9	1.5	1.5	3	3	90	91	819398	806002	<0.2	<0.2	0.7	0.7		
						1.0	0.3	200	20.8	20.8	8.0	8.0	30.3	30.3	106.1	106.1	7.9	7.9	1.5	1.5	3	5	91	91			<0.2	<0.2	0.6	0.6		
					Middle	4.2	0.3	183	20.8	20.8	8.0	8.0	30.1	30.1	104.5	104.5	7.8	7.8	1.6	1.6	4	5	91	92			<0.2	<0.2	0.6	0.6		
						4.2	0.3	199	20.8	20.8	8.0	8.0	30.1	30.1	104.5	104.5	7.8	7.8	1.6	1.6	5	5	92	92			<0.2	<0.2	0.6	0.8		
					Bottom	7.3	0.3	194	20.8	20.8	7.9	7.9	29.7	29.7	99.5	99.5	7.5	7.5	1.7	1.7	5	4	92	93			<0.2	<0.2	0.8	0.8		
						7.3	0.3	203	20.8	20.8	7.9	7.9	29.6	29.6	99.4	99.4	7.5	7.5	1.7	1.7	4	4	93	93			<0.2	<0.2	0.8	0.8		
IM4	Rainy	Moderate	09:46	7.8	Surface	1.0	0.4	197	20.8	20.8	8.0	8.0	30.0	30.0	105.9	105.9	7.9	7.9	1.9	1.9	4	4	91	92	819587	805024	<0.2	<0.2	0.8	0.8		
						1.0	0.4	208	20.8	20.8	8.0	8.0	30.0	30.0	105.8	105.8	7.9	7.9	1.9	1.9	4	4	92	92			<0.2	<0.2	0.8	0.8		
					Middle	3.9	0.4	199	20.8	20.8	8.0	8.0	29.8	29.8	103.5	103.5	7.8	7.8	1.7	1.7	3	4	92	93			<0.2	<0.2	0.7	0.7		
						3.9	0.4	206	20.8	20.8	8.0	8.0	29.8	29.8	103.4	103.4	7.8	7.8	1.7	1.7	4	4	93	93			<0.2	<0.2	0.7	0.7		
					Bottom	6.8	0.3	194	20.8	20.8	7.9	7.9	29.3	29.3	99.4	99.4	7.5	7.5	1.6	1.6	4	4	93	94			<0.2	<0.2	0.7	0.7		
						6.8	0.4	206	20.8	20.8	7.9	7.9	29.3	29.3	99.3	99.3	7.5	7.5	1.6	1.6	4	4	94	94			<0.2	<0.2	0.7	0.7		
IM5	Cloudy	Moderate	09:53	6.2	Surface	1.0	0.5	213	20.8	20.8	8.0	8.0	29.5	29.5	107.2	107.2	8.1	8.1	1.9	1.9	4	5	92	93	820554	804931	<0.2	<0.2	1.1	1.0		
						1.0	0.5	221	20.8	20.8	8.0	8.0	29.5	29.5	107.2	107.2	8.1	8.1	1.9	1.9	5	4	93	94			<0.2	<0.2	0.9	0.9		
					Middle	3.1	0.4	214	20.8	20.8	8.0	8.0	29.6	29.6	106.0	106.0	8.0	8.0	1.8	1.9	4	5	94	94			<0.2	<0.2	0.9	1.0		
						3.1	0.5	215	20.8	20.8	8.0	8.0	29.6	29.6	106.0	106.0	8.0	8.0	1.9	2.1	5	6	94	94			<0.2	<0.2	1.0	0.9		
					Bottom	5.2	0.4	201	20.8	20.8	7.9	7.9	29.2	29.2	100.2	100.1	7.6	7.6	2.1	2.1	6	5	94	94			<0.2	<0.2	1.0	0.9		
						5.2	0.4	207	20.8	20.8	7.9	7.9	29.1	29.1	100.0	100.0	7.5	7.5	2.1	2.1	5	5	94	94			<0.2	<0.2	0.9	0.9		
IM6	Cloudy	Moderate	10:02	6.6	Surface	1.0																										

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

**Water Quality Monitoring Results on 24 December 16 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	09:38	7.4	Surface	1.0	0.4	187	21.0	21.0	8.2	8.2	29.2	29.2	109.8	109.8	8.3	8.3	3.8	3.8	5	5	86	86	90	822100	808795	<0.2	<0.2	1.9	1.8			
						1.0	0.5	198	21.0	21.0	8.2	8.2	29.2	29.2	109.8	109.8	8.3	8.3	3.7	3.7	5	5	86	86	90	822100	808795	<0.2	<0.2	1.8	1.8			
					Middle	3.7	0.5	180	21.0	21.0	8.2	8.2	29.2	29.2	109.8	109.8	8.3	8.3	3.5	3.5	4	4	89	89	91	91	90	822100	808795	<0.2	<0.2	1.3	1.3	
						3.7	0.5	195	21.0	21.0	8.2	8.2	29.2	29.2	109.8	109.8	8.3	8.3	3.5	3.5	6	6	91	91	94	94	90	822100	808795	<0.2	<0.2	1.3	1.3	
					Bottom	6.4	0.5	197	21.0	21.0	8.2	8.2	29.2	29.2	109.6	109.6	8.2	8.2	3.5	3.5	5	5	94	94	94	94	90	822100	808795	<0.2	<0.2	1.6	1.6	
						6.4	0.5	200	21.0	21.0	8.2	8.2	29.2	29.2	109.6	109.6	8.2	8.2	3.5	3.5	7	7	94	94	94	94	90	822100	808795	<0.2	<0.2	1.5	1.5	
IM10	Cloudy	Moderate	09:31	8.0	Surface	1.0	0.6	126	21.0	21.0	8.2	8.2	29.1	29.1	109.4	109.4	8.2	8.2	3.8	3.8	4	4	88	88	91	822257	809840	<0.2	<0.2	1.5	1.6			
						1.0	0.6	137	21.0	21.0	8.2	8.2	29.1	29.1	109.4	109.4	8.2	8.2	3.8	3.8	4	4	88	88	91	91	91	822257	809840	<0.2	<0.2	1.6	1.6	
					Middle	4.0	0.6	136	21.0	21.0	8.2	8.2	29.1	29.1	109.5	109.5	8.2	8.2	5.2	5.2	5	5	91	91	93	93	91	822257	809840	<0.2	<0.2	1.4	1.4	
						4.0	0.6	145	21.0	21.0	8.2	8.2	29.1	29.1	109.5	109.5	8.2	8.2	5.3	5.3	3	3	93	93	94	94	91	822257	809840	<0.2	<0.2	1.3	1.3	
					Bottom	7.0	0.5	141	21.0	21.0	8.2	8.2	29.1	29.1	109.5	109.5	8.2	8.2	5.4	5.4	3	3	94	94	94	94	91	822257	809840	<0.2	<0.2	1.6	1.6	
						7.0	0.6	148	21.0	21.0	8.2	8.2	29.1	29.1	109.5	109.5	8.2	8.2	5.3	5.3	4	4	94	94	94	94	91	822257	809840	<0.2	<0.2	1.7	1.7	
IM11	Cloudy	Moderate	09:24	8.1	Surface	1.0	0.5	140	21.1	21.1	8.1	8.1	29.3	29.3	103.3	103.3	7.7	7.7	7.0	7.0	9	9	87	87	90	821510	810536	<0.2	<0.2	1.5	1.6			
						1.0	0.5	140	21.1	21.1	8.1	8.1	29.3	29.3	103.2	103.2	7.7	7.7	7.1	7.1	9	9	86	86	90	821510	810536	<0.2	<0.2	1.6	1.6			
					Middle	4.1	0.5	142	21.1	21.1	8.1	8.1	29.3	29.3	103.2	103.3	7.7	7.7	7.2	7.2	11	11	92	92	90	90	821510	810536	<0.2	<0.2	1.8	1.8		
						4.1	0.5	154	21.1	21.1	8.1	8.1	29.3	29.3	103.3	103.3	7.7	7.7	7.2	7.2	11	11	90	90	93	93	90	821510	810536	<0.2	<0.2	1.6	1.6	
					Bottom	7.1	0.5	124	21.1	21.1	8.2	8.2	29.3	29.3	108.3	108.5	8.1	8.1	6.7	6.7	11	11	93	93	94	94	90	821510	810536	<0.2	<0.2	1.7	1.7	
						7.1	0.5	134	21.1	21.1	8.2	8.2	29.3	29.3	108.5	108.5	8.1	8.1	6.7	6.7	10	10	94	94	94	94	90	821510	810536	<0.2	<0.2	1.8	1.8	
IM12	Cloudy	Moderate	09:16	8.6	Surface	1.0	0.7	136	21.2	21.2	8.1	8.1	29.4	29.4	104.3	104.4	7.8	7.8	3.9	3.9	3	3	86	86	91	821142	811536	<0.2	<0.2	1.7	1.9			
						1.0	0.7	140	21.2	21.2	8.1	8.1	29.4	29.4	104.4	104.4	7.8	7.8	3.9	3.9	5	5	87	87	91	91	821142	811536	<0.2	<0.2	1.9	1.9		
					Middle	4.3	0.6	123	21.2	21.2	8.2	8.2	29.4	29.4	105.0	105.1	7.9	7.9	4.1	4.1	4	4	92	92	94	94	91	821142	811536	<0.2	<0.2	2.0	2.0	
						4.3	0.6	134	21.2	21.2	8.2	8.2	29.4	29.4	105.1	105.1	7.9	7.9	4.1	4.1	4	4	91	91	94	94	91	821142	811536	<0.2	<0.2	2.0	2.0	
					Bottom	7.6	0.5	137	21.2	21.2	8.2	8.2	29.4	29.4	106.7	106.8	8.0	8.0	4.0	4.0	6	6	94	94	94	94	91	821142	811536	<0.2	<0.2	2.0	2.0	
						7.6	0.6	143	21.2	21.2	8.2	8.2	29.4	29.4	106.8	106.8	8.0	8.0	4.0	4.0	4	4	94	94	94	94	91	821142	811536	<0.2	<0.2	1.9	1.9	
SR2	Cloudy	Moderate	08:55	4.7	Surface	1.0	0.4	128	21.1	21.1	8.1	8.1	29.5	29.5	102.0	102.0	7.6	7.6	3.2	3.2	3	3	86	86	90	821482	814159	<0.2	<0.2	1.9	2.0			
						1.0	0.4	128	21.1	21.1	8.1	8.1	29.5	29.5	102.0	102.0	7.6	7.6	3.2	3.2	3	3	87	87	90	821482	814159	<0.2	<0.2	2.0	2.0			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	3.7	0.3	153	21.1	21.1	8.1	8.1	29.5	29.5	102.2	102.2	7.7	7.7	3.9	3.9	4	4	93	93	94	94	90	821482	814159	<0.2	<0.2	1.9	1.9	
						3.7	0.4	154	21.1	21.1	8.1	8.1	29.5	29.5	102.2	102.2	7.7	7.7	4.1	4.1	4	4	94	94	94	94	90	821482	814159	<0.2	<0.2	1.8	1.8	
SR3	Cloudy	Moderate	09:50	8.3	Surface	1.0	0.4	159	21.0	21.0	8.2	8.2	28.9	28.9	108.9	108.9	8.2	8.2	3.5	3.5	3	3	-	-	-	-	822155	807556	-	-	-	-		
						1.0	0.4	159	21.0	21.0	8.2	8.2	28.9	28.9	108.9	108.9	8.2	8.2	3.5	3.5	4	4	-	-	-	-	-	-	-	-	-	-	-	
					Middle	4.2	0.4	167	21.1	21.1	8.2	8.2	29.1	29.1	108.3	108.3	8.1	8.1	4.2	4.2	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						4.2	0.4	175	21.1	21.1	8.2	8.2	29.1	29.1	108.3	108.3	8.1	8.1	4.2	4.2	4	4	-	-	-	-	-	-	-	-	-	-	-	-
					Bottom	7.3	0.4	147	21.1	21.1	8.2	8.2	29.3	29.3	108.3	108.3	8.1	8.1	3.9	3.9	5	5	-	-	-	-	-	-	-	-	-	-	-	-
						7.3	0.4	159	21.1	21.1	8.2	8.2	29.2	29.2	108.3	108.3	8.1	8.1	3.9	3.9	5	5	-	-	-	-	-	-	-	-	-	-	-	-
SR4A	Rainy	Moderate	08:40	8.6	Surface	1.0	0.3	182	20.9	20.9	8.0	8.0	30.2	30.2	107.5	107.5	8.0	8.0	2.3	2.3	3	3	-	-	-	-	817203	807799	-	-	-	-		
						1.0	0.3	185	20.9	20.9	8.0	8.0	30.2	30.2	107.4	107.4	8.0	8.0	2.3	2.3	3	3	-	-	-	-	-	-	-	-	-	-		
					Middle	4.3	0.3	178	20.9	20.9	8.0	8.0	30.2	30.2	106.3	106.3	8.0	8.0	1.6	1.6	4	4	-	-	-	-	-	-	-	-	-	-	-	-
						4.3	0.3	185	20.9	20.9	8.0	8.0	30.2	30.2	106.2	106.2	8.0	8.0	1.6	1.6	5	5	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	7.6	0.2	175	20.9	20.9	7.9	7.9	30.0	30.0	102.4	102.4	7.7	7.7	2.0	2.0	4	4	-	-	-	-	-	-	-	-	-	-	-	
						7.6	0.2	182	20.9	20.9	7.9	7.9	30.0	30.0	102.3	102.3	7.7	7.7	2.0	2.0	6	6	-	-	-	-	-	-	-	-	-	-		
SR5A	Cloudy	Moderate	08:23	3.5	Surface	1.0	0.1	178	20.9	20.9	7.8	7.8	28.8	28.8	100.3	100.3	7.6	7.6	4.3	4.3	7	7	-	-	-	-	816600	810676	-	-	-	-		
						1.0	0.1	190	20.9	20.9	7.8	7.8	28.8	28.8	100.3	100.3	7.6	7.6	4.3	4.3	9	9	-	-	-									

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

**Water Quality Monitoring Results on 27 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	06:10	8.2	Surface	1.0	0.9	166	20.5	20.5	8.1	8.1	29.7	29.7	106.0	106.0	8.0	8.0	6.7	8.0	15	16	92	93	815637	804246	<0.2	<0.2	1.2	1.1
						1.0	0.9	170	20.5	8.1	8.1	29.7	29.7	106.0	106.0	8.0	8.0	6.7	8.0	15	16	92	93	<0.2			<0.2	1.2	1.1	
						4.1	0.8	161	20.5	8.1	8.1	29.8	29.8	105.8	105.8	8.0	8.0	7.9	7.8	16	17	93	94	<0.2			<0.2	1.2	1.1	
					4.1	0.8	169	20.5	8.1	8.1	29.8	29.8	105.8	105.8	8.0	8.0	7.9	7.8	16	17	93	94	<0.2	<0.2			1.2	1.1		
					7.2	0.8	154	20.5	8.0	8.0	30.0	30.0	106.4	106.4	8.0	8.0	8.7	8.0	8.7	8.0	16	16	94	92			<0.2	<0.2	1.0	1.1
					7.2	0.8	165	20.5	8.0	8.0	29.9	30.0	106.4	106.4	8.0	8.0	8.6	8.0	8.6	8.0	16	16	92	92			<0.2	<0.2	1.1	1.1
C2	Fine	Rough	07:38	12.4	Surface	1.0	0.5	280	20.8	20.8	8.1	8.1	27.3	27.3	100.2	100.2	7.6	7.6	8.6	7.7	10	12	85	90	825671	806936	<0.2	<0.2	2.2	2.3
						1.0	0.5	307	20.8	8.1	8.1	27.3	27.3	100.2	100.2	7.6	7.6	8.7	7.7	8	12	85	92	<0.2			<0.2	2.3	2.3	
						6.2	0.5	236	20.7	8.1	8.1	27.7	27.7	101.2	101.3	7.7	7.7	16.8	15.6	12	10	92	93	<0.2			<0.2	2.3	2.3	
					6.2	0.6	237	20.7	8.1	8.1	27.7	27.7	101.3	101.3	7.7	7.7	17.1	15.6	10	12	93	93	<0.2	<0.2			2.3	2.3		
					11.4	0.5	264	20.8	8.1	8.1	28.5	28.5	102.4	102.4	7.8	7.8	21.2	21.3	17	15	93	94	<0.2	<0.2			2.2	2.3		
					11.4	0.5	279	20.8	8.1	8.1	28.4	28.5	102.4	102.4	7.8	7.8	21.3	21.3	15	15	94	94	<0.2	<0.2			2.3	2.3		
C3	Fine	Moderate	05:44	11.7	Surface	1.0	0.4	239	21.3	21.3	8.1	8.1	30.2	30.2	97.5	97.5	7.3	7.3	5.3	7.3	10	12	91	93	822095	817808	<0.2	<0.2	0.7	0.8
						1.0	0.4	262	21.3	8.1	8.1	30.2	30.2	97.5	97.5	7.3	7.3	5.3	7.3	9	12	90	93	<0.2			<0.2	0.7	0.8	
						5.9	0.3	259	21.3	8.1	8.1	30.2	30.2	97.6	97.6	7.3	7.3	5.8	6.0	12	10	93	93	<0.2			<0.2	0.7	0.9	
					5.9	0.4	279	21.3	8.1	8.1	30.2	30.2	97.6	97.6	7.3	7.3	5.8	6.0	10	12	93	93	<0.2	<0.2			0.9	0.8		
					10.7	0.3	267	21.3	8.1	8.1	30.2	30.2	97.9	97.9	7.3	7.3	6.7	7.3	14	15	95	94	<0.2	<0.2			0.8	0.8		
					10.7	0.4	272	21.3	8.1	8.1	30.2	30.2	97.9	97.9	7.3	7.3	6.8	7.3	15	15	94	94	<0.2	<0.2			0.8	0.8		
IM1	Cloudy	Rough	06:36	7.1	Surface	1.0	0.7	171	20.4	20.4	8.0	8.0	29.9	29.9	102.7	102.7	7.8	7.8	13.2	7.8	23	25	90	91	818363	806462	<0.2	<0.2	1.2	1.2
						1.0	0.7	180	20.4	8.0	8.0	29.9	29.9	102.7	102.7	7.8	7.8	13.2	7.8	24	25	91	92	<0.2			<0.2	1.2	1.2	
						3.6	0.7	163	20.4	8.0	8.0	30.0	30.0	103.2	103.3	7.8	7.8	18.0	16.9	25	27	92	91	<0.2			<0.2	1.2	1.2	
					3.6	0.8	172	20.4	8.0	8.0	30.0	30.0	103.3	103.3	7.8	7.8	18.0	16.9	27	25	91	92	<0.2	<0.2			1.2	1.2		
					6.1	0.8	168	20.4	8.0	8.0	30.0	30.0	104.4	104.4	7.9	7.9	19.3	19.5	25	27	92	92	<0.2	<0.2			1.2	1.2		
					6.1	0.8	170	20.4	8.0	8.0	30.0	30.0	104.4	104.4	7.9	7.9	19.5	19.5	27	27	92	92	<0.2	<0.2			1.2	1.2		
IM2	Cloudy	Rough	06:46	8.2	Surface	1.0	0.7	147	20.5	20.5	8.0	8.0	30.0	30.0	103.5	103.5	7.8	7.8	10.9	7.8	21	20	90	91	818856	806183	<0.2	<0.2	1.1	1.2
						1.0	0.7	152	20.5	8.0	8.0	30.0	30.0	103.5	103.5	7.8	7.8	10.9	7.8	20	26	91	92	<0.2			<0.2	1.1	1.2	
						4.1	0.7	144	20.5	8.0	8.0	30.0	30.0	103.5	103.5	7.8	7.8	12.8	13.0	26	27	91	92	<0.2			<0.2	1.1	1.2	
					4.1	0.8	146	20.5	8.0	8.0	30.0	30.0	103.5	103.5	7.8	7.8	12.8	13.0	27	26	92	93	<0.2	<0.2			1.2	1.3		
					7.2	0.8	141	20.5	8.0	8.0	30.0	30.0	104.9	105.0	7.9	7.9	15.4	15.3	26	25	93	92	<0.2	<0.2			1.3	1.3		
					7.2	0.8	141	20.5	8.0	8.0	30.0	30.0	105.0	105.0	7.9	7.9	15.3	15.3	25	25	92	92	<0.2	<0.2			1.3	1.3		
IM3	Cloudy	Rough	06:56	8.3	Surface	1.0	0.5	154	20.5	20.5	8.1	8.1	30.1	30.1	105.4	105.4	7.9	7.9	8.7	7.9	16	16	92	93	819400	806017	<0.2	<0.2	1.1	1.1
						1.0	0.5	155	20.5	8.1	8.1	30.1	30.1	105.4	105.4	7.9	7.9	8.7	7.9	16	19	93	94	<0.2			<0.2	1.0	1.2	
						4.2	0.5	133	20.5	8.1	8.1	30.1	30.1	105.5	105.5	7.9	7.9	8.1	8.4	17	18	93	94	<0.2			<0.2	1.1	1.1	
					4.2	0.5	136	20.5	8.1	8.1	30.1	30.1	105.5	105.5	8.0	8.0	8.1	8.4	17	18	94	94	<0.2	<0.2			1.2	1.1		
					7.3	0.5	138	20.5	8.0	8.0	30.1	30.1	105.4	105.5	7.9	7.9	8.4	8.4	18	20	94	95	<0.2	<0.2			1.1	1.0		
					7.3	0.5	146	20.5	8.0	8.0	30.1	30.1	105.5	105.5	7.9	7.9	8.4	8.4	20	20	94	95	<0.2	<0.2			1.1	1.0		
IM4	Sunny	Rough	07:05	7.4	Surface	1.0	0.9	160	20.4	20.4	8.1	8.1	29.8	29.8	106.5	106.6	8.1	8.1	6.8	8.1	14	14	92	92	819581	805048	<0.2	<0.2	0.9	0.8
						1.0	0.9	169	20.4	8.1	8.1	29.8	29.8	106.6	106.6	8.1	8.1	6.8	8.1	14	13	92	93	<0.2			<0.2	0.8	0.9	
						3.7	0.9	170	20.5	8.0	8.0	29.8	29.9	106.0	106.0	8.0	8.0	7.8	7.6	13	15	93	94	<0.2			<0.2	1.1	0.9	
					3.7	0.9	178	20.5	8.0	8.0	29.9	30.3	106.0	106.4	8.0	8.0	7.8	8.0	13	14	93	94	<0.2	<0.2			0.9	0.8		
					6.4	0.9	179	20.5	8.0	8.0	30.3	30.3	106.4	106.4	8.0	8.0	8.2	8.0	15	14	94	94	<0.2	<0.2			0.9	0.8		
					6.4	0.9	183	20.5	8.0	8.0	30.3	30.3	106.4	106.4	8.0	8.0	8.1	8.0	14	14	94	94	<0.2	<0.2			0.8	0.8		
IM5	Sunny	Rough	07:15	6.3	Surface	1.0	0.9	139	20.5	20.5	8.0	8.0	30.1	30.1	104.4	104.4	7.9	7.9	13.4	7.9	24	23	91	92	820582	804916	<0.2	<0.2	0.9	0.8
						1.0	0.9	143	20.5	8.0	8.0	30.1	30.1	104.4	104.4	7.9	7.9	13.5	7.9	23	23	92	93	<0.2			<0.2	0.8	0.8	
						3.2	0.8	151	20.5	8.0	8.0	30.1	30.1	104.7	104.7	7.9	7.9	13.6	14.8	23	22	93	92	<0.2			<0.2	0.8	0.8	
					3.2	0.9	152	20.5	8.0	8.0	30.1	30.1	104.7	104.7	7.9	7.9	13.6	14.8	22	23	92	94	<0.2	<0.2			0.8	0.7		
					5.3	0.9	146	20.5	8.0	8.0	30.1	30.1	105.9	105.9	8.0	8.0	17.3	17.1	23	24	94	93	<0.2	<0.2			0.7	0.8		
					5.3	1.0	159	20.5	8.0	8.0	30.1	30.1	105.9	105.9	8.0	8.0	17.1	17.1	24	24	93	93	<0.2	<0.2			0.7	0.8		
IM6	Sunny	Rough	07:26	6.6	Surface	1.0	0.7	134	20.5	20.5	8.0	8.0	29.3	29.3	102.4	102.4	7.8	7.8	8.6	7.8	14	15	92	93	821048	805844	<0.2	<0.2	1.0	0.9
						1.0	0.7	136	20.5	8.0	8.0	29.3	29.3	102.4	102.4	7.8	7.8	8.6	7.8	15	17	93	94	<0.2			<0.2	0.9	1.2	
						3.3	0.6	148	20.5	7.9	7.9	29.3	29.3	103.2	103.2	7.8	7.8	9												

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

**Water Quality Monitoring Results on 27 December 16 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	06:52	7.2	Surface	1.0	0.4	228	20.8	20.8	8.1	8.1	28.1	28.1	103.8	103.8	7.9	7.9	8.5	8.5	11	11	88	88	91	822075	808805	<0.2	<0.2	1.3	1.3				
						1.0	0.4	248	20.8	8.1	8.1	28.1	28.1	103.8	103.8	7.9	7.9	8.6	8.6	10	10	86	86												
					Middle	3.6	0.4	196	20.8	8.2	8.2	28.2	28.2	104.6	104.6	7.9	7.9	10.5	10.5	11.2	11.2	13	13	92				92							
						3.6	0.4	200	20.8	8.2	8.2	28.2	28.2	104.6	104.6	7.9	7.9	10.5	10.5	12	12	93	93												
					Bottom	6.2	0.4	251	20.9	8.2	8.2	29.0	29.0	105.0	105.0	7.9	7.9	14.4	14.4	7.9	7.9	14.4	14.4	16				16	93	93					
						6.2	0.4	252	20.9	8.2	8.2	29.0	29.0	105.0	105.0	7.9	7.9	14.4	14.4	7.9	7.9	14.4	14.4	15				15	94	94					
IM10	Fine	Rough	06:47	7.5	Surface	1.0	0.7	256	20.8	20.8	8.1	8.1	28.1	28.1	103.6	103.7	7.9	7.9	8.8	8.8	14	14	86	86	91	822224	809854	<0.2	<0.2	1.5	1.5				
						1.0	0.8	258	20.8	8.1	8.1	28.1	28.1	103.7	103.7	7.9	7.9	8.9	8.9	13	13	87	87												
					Middle	3.8	0.7	270	20.8	8.1	8.1	28.1	28.1	104.6	104.7	7.9	7.9	11.6	11.6	11.4	11.4	16	16	90				90							
						3.8	0.7	286	20.8	8.1	8.1	28.1	28.1	104.7	104.7	8.0	8.0	11.8	11.8	14	14	93	93												
					Bottom	6.5	0.6	249	20.9	8.2	8.2	29.0	29.0	105.0	105.0	7.9	7.9	13.8	13.8	7.9	7.9	13.8	13.8	14				14	94	94					
						6.5	0.6	260	20.9	8.2	8.2	29.0	29.0	105.0	105.0	7.9	7.9	13.5	13.5	7.9	7.9	13.5	13.5	14				14	93	93					
IM11	Fine	Rough	06:36	7.6	Surface	1.0	0.6	237	21.0	21.0	8.2	8.2	29.7	29.7	108.7	108.7	8.2	8.2	8.2	8.2	13	13	87	87	91	821516	810539	<0.2	<0.2	0.6	0.6				
						1.0	0.6	237	21.0	8.2	8.2	29.7	29.7	108.7	108.7	8.1	8.1	8.2	8.2	11	11	88	88												
					Middle	3.8	0.4	263	21.0	8.2	8.2	29.7	29.7	108.5	108.5	8.1	8.1	9.2	9.2	9.8	9.8	16	16	91				91							
						3.8	0.4	269	21.0	8.2	8.2	29.7	29.7	108.5	108.5	8.1	8.1	9.3	9.3	15	15	90	90												
					Bottom	6.6	0.4	240	21.0	8.2	8.2	29.8	29.8	108.2	108.2	8.1	8.1	11.9	11.9	8.1	8.1	11.9	11.9	16				16	93	93					
						6.6	0.5	245	21.0	8.2	8.2	29.8	29.8	108.2	108.2	8.1	8.1	12.0	12.0	8.1	8.1	12.0	12.0	16				16	94	94					
IM12	Fine	Rough	06:30	8.4	Surface	1.0	0.5	239	21.0	21.0	8.2	8.2	29.7	29.7	108.6	108.7	8.1	8.1	8.9	8.9	12	12	90	90	91	821174	811518	<0.2	<0.2	0.7	0.7				
						1.0	0.5	244	21.0	8.2	8.2	29.7	29.7	108.7	108.7	8.1	8.1	9.0	9.0	14	14	88	88												
					Middle	4.2	0.6	229	21.0	8.2	8.2	29.7	29.7	108.1	108.1	8.1	8.1	9.6	9.6	10.0	10.0	16	16	89				89							
						4.2	0.6	230	21.0	8.2	8.2	29.7	29.7	108.1	108.1	8.1	8.1	9.7	9.7	14	14	91	91												
					Bottom	7.4	0.5	227	21.0	8.2	8.2	29.8	29.8	107.9	107.9	8.1	8.1	11.3	11.3	8.1	8.1	11.3	11.3	14				14	93	93					
						7.4	0.5	238	21.0	8.2	8.2	29.8	29.8	107.9	107.9	8.1	8.1	11.3	11.3	8.1	8.1	11.3	11.3	15				15	94	94					
SR2	Fine	Moderate	06:07	4.9	Surface	1.0	0.3	194	21.0	21.0	8.2	8.2	29.7	29.7	107.9	107.9	8.1	8.1	8.9	8.9	12	12	90	90	91	821476	814182	<0.2	<0.2	0.8	0.8				
						1.0	0.3	210	21.0	8.2	8.2	29.7	29.7	107.9	107.9	8.1	8.1	9.0	9.0	9.2	9.2	14	14	88				88							
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	-
					Bottom	3.9	0.2	205	21.0	8.2	8.2	29.7	29.7	107.9	107.9	8.1	8.1	9.4	9.4	8.1	8.1	9.4	9.4	16				16	93	93					
						3.9	0.2	210	21.0	8.2	8.2	29.7	29.7	107.9	107.9	8.1	8.1	9.5	9.5	8.1	8.1	9.5	9.5	17				17	92	92					
SR3	Fine	Rough	07:08	8.8	Surface	1.0	0.8	113	20.6	20.6	8.2	8.2	28.2	28.2	104.8	104.8	8.0	8.0	7.0	7.0	12	12	-	-	-	822138	807561	-	-	-	-				
						1.0	0.8	122	20.6	8.2	8.2	28.2	28.2	104.8	104.8	8.0	8.0	7.0	7.0	9.6	9.6	13	13	-				-							
					Middle	4.4	0.6	133	20.6	8.2	8.2	28.5	28.5	105.6	105.6	8.0	8.0	9.3	9.3	9.6	9.6	12	12	-				-							
						4.4	0.6	137	20.6	8.2	8.2	28.5	28.5	105.6	105.6	8.0	8.0	9.2	9.2	11	11	-	-												
					Bottom	7.8	0.8	142	20.8	8.2	8.2	29.2	29.2	107.0	107.0	8.1	8.1	12.5	12.5	8.1	8.1	12.5	12.5	24				24	-	-					
						7.8	0.9	146	20.8	8.2	8.2	29.2	29.2	107.0	107.0	8.1	8.1	12.4	12.4	8.1	8.1	12.4	12.4	25				25	-	-					
SR4A	Cloudy	Moderate	05:46	7.8	Surface	1.0	0.3	175	20.8	20.8	8.1	8.1	30.5	30.5	109.5	109.5	8.2	8.2	3.6	3.6	9	9	-	-	-	817201	807792	-	-	-	-				
						1.0	0.3	189	20.8	8.1	8.1	30.5	30.5	109.5	109.5	8.2	8.2	3.7	3.7	8.2	8.2	8	8	-				-							
					Middle	3.9	0.3	155	20.8	8.1	8.1	30.5	30.5	109.7	109.7	8.2	8.2	3.4	3.4	3.5	3.5	11	11	-				-							
						3.9	0.3	169	20.8	8.1	8.1	30.5	30.5	109.7	109.7	8.2	8.2	3.4	3.4	10	10	-	-												
					Bottom	6.8	0.3	164	20.8	8.1	8.1	30.5	30.5	110.6	110.6	8.3	8.3	3.5	3.5	8.3	8.3	3.5	3.5	15				15	-	-					
						6.8	0.3	171	20.8	8.1	8.1	30.5	30.5	110.6	110.6	8.3	8.3	3.5	3.5	8.3	8.3	3.5	3.5	14				14	-	-					
SR5A	Cloudy	Calm	05:29	3.9	Surface	1.0	0.1	222	20.6	20.6	8.0	8.0	30.1	30.1	104.9	104.9	7.9	7.9	2.8	2.8	8	8	-	-	-	816582	810686	-	-	-	-				
						1.0	0.1	228	20.6	8.0	8.0	30.1	30.1	104.9	104.9	7.9	7.9	2.8	2.8	7.9	7.9	9	9	-				-							
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-	-	
					Bottom	2.9	0.1	209	20.6	8.0	8.0	30.1	30.1	103.6	103.6	7.8	7.8	3.1	3.1	7.8	7.8	3.1	3.1	8				8	-	-					
						2.9	0.1	216	20.6	8.0	8.0	30.1	30.1	103.5	103.5	7.8	7.8	3.1	3.1	7.8	7.8	3.1	3.1	10				10	-	-					
SR6	Cloudy	Calm	05:06	4.4	Surface	1.0	0.2	216	20.7	20.7	7.8	7.8	29.0	29.0	107.9	107.9	8.2	8.2	3.5	3.5	7	7	-	-	-	817909	814656	-	-	-	-				
						1.0	0.2	222	20.7	7.8	7.8	29.0	29.0	107.9	107.9	8.2	8.2	3.5	3.5	8.2	8.2	8	8	-				-							
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
						2.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				-	-	-	-	-	-		
					Bottom	3.4	0.2	208	20.6	7.7	7.7	28.2	28.2	108.9	108.9	8.3	8.3	2.7	2.7	8.3	8.3	2.7	2.7	8				8	-	-					
						3.4	0.2	220	20.7	7.7	7.7	28.2	28.2	108.8	108.8	8.3	8.3	2.7	2.7	8.3	8.3	2.7	2.7	10				10	-	-					
SR7	Fine	Moderate	05:14	16.2	Surface	1.0	0.3	96	21.3	21.3	8.1	8.1	30.1	30.1	97.2	97.2	7.2																		

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

**Water Quality Monitoring Results on 27 December 16 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	Rough	11:34	7.9	Surface	1.0	0.7	185	20.5	8.1	8.1	30.0	30.0	106.5	106.5	8.0	8.0	10.0	8.0	17	17	92	93	94	815618	804230	<0.2	1.0	<0.2	0.8
						1.0	0.8	189	20.5	8.1	8.1	30.0	30.0	106.5	106.5	8.0	8.0	10.0	8.0	17	17	93	93							
					Middle	4.0	0.8	192	20.5	8.1	8.1	30.0	30.0	106.8	106.8	8.0	8.0	9.1	9.4	16	16	94	93				<0.2	0.6	<0.2	0.6
						4.0	0.8	193	20.6	8.1	8.1	30.0	30.0	106.8	106.8	8.0	8.0	9.1	9.4	16	16	93	93				<0.2	0.6	<0.2	0.6
					Bottom	6.9	0.7	184	20.6	8.1	8.1	30.0	30.0	106.7	106.7	8.0	8.0	9.3	8.0	16	16	94	94				<0.2	0.6	<0.2	0.6
						6.9	0.7	195	20.6	8.1	8.1	30.0	30.0	106.6	106.6	8.0	8.0	8.9	8.0	15	15	95	95				<0.2	0.5	<0.2	0.5
C2	Fine	Rough	10:27	12.0	Surface	1.0	0.5	153	20.8	8.1	8.1	27.4	27.4	102.0	102.0	7.8	7.8	6.2	6.3	6	5	83	84	90	825679	806941	<0.2	1.9	<0.2	1.9
						1.0	0.5	162	20.8	8.1	8.1	27.4	27.4	101.9	102.0	7.8	7.8	6.3	6.3	5	5	84	84							
					Middle	6.0	0.5	144	20.8	8.1	8.1	27.4	27.4	102.2	102.3	7.8	7.8	8.5	9.5	7	7	93	92				<0.2	2.0	<0.2	1.8
						6.0	0.5	149	20.8	8.1	8.1	27.4	27.4	102.3	102.3	7.8	7.8	8.7	9.5	6	6	92	92				<0.2	1.8	<0.2	1.8
					Bottom	11.0	0.4	154	20.8	8.1	8.1	29.2	29.3	102.4	102.4	7.7	7.7	13.6	7.7	11	11	94	94				<0.2	1.6	<0.2	1.6
						11.0	0.4	166	20.8	8.1	8.1	29.3	29.3	102.4	102.4	7.7	7.7	13.8	7.7	12	12	94	94				<0.2	1.7	<0.2	1.7
C3	Fine	Moderate	12:20	12.4	Surface	1.0	0.2	188	21.3	8.1	8.1	30.1	30.1	99.4	99.5	7.4	7.4	2.2	2.2	3	4	90	90	92	822121	817808	<0.2	0.5	<0.2	0.6
						1.0	0.3	196	21.3	8.1	8.1	30.1	30.1	99.5	99.5	7.4	7.4	2.2	2.2	4	4	90	90							
					Middle	6.2	0.3	194	21.3	8.1	8.1	30.1	30.1	98.6	98.6	7.3	7.3	2.5	2.4	2	2	92	92				<0.2	0.4	<0.2	0.5
						6.2	0.3	198	21.3	8.1	8.1	30.1	30.1	98.5	98.6	7.3	7.3	2.5	2.4	3	3	91	91				<0.2	0.5	<0.2	0.5
					Bottom	11.4	0.3	185	21.3	8.1	8.1	30.1	30.1	98.7	98.7	7.3	7.3	2.6	7.3	3	3	95	95				<0.2	1.0	<0.2	0.9
						11.4	0.3	197	21.3	8.1	8.1	30.1	30.1	98.7	98.7	7.3	7.3	2.6	7.3	2	2	94	94				<0.2	0.9	<0.2	0.9
IM1	Sunny	Rough	11:12	6.7	Surface	1.0	0.8	189	20.5	8.1	8.1	30.0	30.0	104.4	104.4	7.9	7.9	9.9	9.8	15	17	91	92	92	818357	806451	<0.2	0.9	<0.2	0.8
						1.0	0.8	189	20.5	8.1	8.1	29.9	30.0	104.4	104.4	7.9	7.9	9.8	7.9	17	17	92	92							
					Middle	3.4	0.7	177	20.5	8.1	8.1	30.0	30.0	104.3	104.3	7.9	7.9	11.0	10.8	18	18	92	93				<0.2	0.7	<0.2	0.8
						3.4	0.7	187	20.5	8.1	8.1	30.0	30.0	104.3	104.3	7.9	7.9	11.0	10.8	17	17	93	93				<0.2	0.8	<0.2	0.8
					Bottom	5.7	0.7	173	20.5	8.0	8.0	30.0	30.0	104.2	104.2	7.9	7.9	11.5	7.9	20	20	93	93				<0.2	0.8	<0.2	0.8
						5.7	0.7	189	20.5	8.0	8.0	30.0	30.0	104.2	104.2	7.9	7.9	11.5	7.9	22	22	93	93				<0.2	0.7	<0.2	0.7
IM2	Sunny	Rough	11:07	7.9	Surface	1.0	0.6	174	20.5	8.1	8.1	30.1	30.1	105.9	105.9	8.0	8.0	7.8	7.8	14	14	92	92	93	818852	806196	<0.2	0.9	<0.2	0.9
						1.0	0.6	174	20.5	8.1	8.1	30.1	30.1	105.9	105.9	8.0	8.0	7.8	8.0	14	14	92	92							
					Middle	4.0	0.6	177	20.5	8.1	8.1	30.1	30.1	105.8	105.8	8.0	8.0	7.7	7.8	14	14	92	93				<0.2	0.8	<0.2	0.8
						4.0	0.6	192	20.5	8.1	8.1	30.1	30.1	105.8	105.8	8.0	8.0	7.7	7.8	13	13	93	94				<0.2	0.8	<0.2	0.8
					Bottom	6.9	0.6	170	20.5	8.0	8.0	30.1	30.1	105.9	106.0	8.0	8.0	7.8	8.0	14	14	94	94				<0.2	0.8	<0.2	0.8
						6.9	0.7	180	20.6	8.0	8.0	30.1	30.1	106.0	106.0	8.0	8.0	7.8	8.0	14	14	93	93				<0.2	0.8	<0.2	0.8
IM3	Sunny	Rough	11:00	8.2	Surface	1.0	0.8	171	20.5	8.1	8.1	29.9	29.9	109.0	109.0	8.2	8.2	5.4	5.3	10	10	93	93	94	819421	806020	<0.2	0.9	<0.2	1.0
						1.0	0.8	185	20.5	8.1	8.1	29.9	29.9	109.0	109.0	8.2	8.2	5.3	5.3	10	10	93	93							
					Middle	4.1	0.9	164	20.5	8.1	8.1	30.0	30.0	108.0	108.0	8.1	8.1	5.5	5.5	9	9	94	94				<0.2	0.9	<0.2	0.9
						4.1	0.9	166	20.5	8.1	8.1	30.0	30.0	108.0	108.0	8.1	8.1	5.5	5.5	9	9	94	94				<0.2	0.9	<0.2	0.9
					Bottom	7.2	0.9	160	20.5	8.1	8.1	30.2	30.2	108.1	108.1	8.1	8.1	5.7	8.1	10	10	94	94				<0.2	0.9	<0.2	0.9
						7.2	1.0	175	20.5	8.1	8.1	30.1	30.1	108.1	108.1	8.1	8.1	5.7	8.1	10	10	95	95				<0.2	0.8	<0.2	0.8
IM4	Sunny	Rough	10:50	7.7	Surface	1.0	0.7	152	20.6	8.1	8.1	29.7	29.7	107.7	107.7	8.1	8.1	6.6	6.5	13	12	89	90	91	819556	805041	<0.2	1.0	<0.2	1.1
						1.0	0.8	160	20.6	8.1	8.1	29.7	29.7	107.7	107.7	8.1	8.1	6.5	8.1	12	12	90	90							
					Middle	3.9	0.7	154	20.6	8.1	8.1	29.7	29.7	106.6	106.7	8.0	8.1	7.1	7.3	12	12	91	91				<0.2	0.9	<0.2	1.0
						3.9	0.8	165	20.6	8.1	8.1	29.7	29.7	106.7	106.7	8.1	8.1	7.1	7.3	12	12	91	91				<0.2	1.0	<0.2	1.2
					Bottom	6.7	0.8	176	20.5	8.0	8.0	30.1	30.1	106.1	106.1	8.0	8.0	8.4	8.0	13	13	92	92				<0.2	1.2	<0.2	0.9
						6.7	0.8	188	20.5	8.0	8.0	30.1	30.1	106.1	106.1	8.0	8.0	8.3	8.0	13	13	92	92				<0.2	0.9	<0.2	0.9
IM5	Sunny	Rough	10:43	6.6	Surface	1.0	0.7	137	20.6	8.1	8.1	30.3	30.3	107.2	107.3	8.1	8.1	7.4	7.4	11	10	92	93	94	820556	804916	<0.2	0.8	<0.2	0.9
						1.0	0.7	148	20.6	8.1	8.1	30.3	30.3	107.3	107.3	8.1	8.1	7.4	8.1	10	10	93	93							
					Middle	3.3	0.7	143	20.6	8.1	8.1	30.3	30.3	107.2	107.2	8.1	8.1	8.1	9.3	13	14	94	94				<0.2	0.9	<0.2	0.8
						3.3	0.7	152	20.6	8.1	8.1	30.3	30.3	107.2	107.2	8.1	8.1	8.1	9.3	14	14	94	94				<0.2	0.8	<0.2	0.9
					Bottom	5.6	0.6	144	20.6	8.0	8.0	30.3	30.3	106.7	106.7	8.0	8.0	12.3	8.0	16	16	94	94				<0.2	0.9	<0.2	0.9
						5.6	0.6	152	20.6	8.0	8.0	30.3	30.3	106.7	106.7	8.0	8.0	12.3	8.0	17	17	95	95				<0.2	0.8	<0.2	0.8
IM6	Sunny	Rough	10:33	6.2	Surface	1.0	0.7	154	20.5	8.0	8.0	29.8	29.8	102.3	102.3	7.7	7.7	9.9	9.9	14	14	92	92	93	821060	805809	<0.2	1.0	<0.2	1.1
						1.0	0.8	156	20.5	8.0	8.0	29.8	29.8	102.2	102.2	7.7	7.7	9.9	7.7	14	14	92	93							
					Middle	3.1	0.7	155	20.5	8.0	8.0	29.8	29.8	102.2	102.2	7.7	7.7	10.9	12.5	14	16	93	93				<0.2	1.1	<0.2	1.0
						3.1	0.7	156	20.5	8.0	8.0	29.8	29.8	102.2	102.2	7.7	7.7	10.9	12.5	16	17	93	94				<0.2	1.0		

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

**Water Quality Monitoring Results on 27 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Fine	Rough	11:11	7.5	Surface	1.0	0.6	163	20.8	20.8	8.2	8.2	28.5	28.5	107.1	107.1	8.1	8.2	7.5	7.6	9	9	87	91	822084	808798	<0.2	<0.2	1.7	1.7				
						1.0	0.6	175	20.8	8.2	8.2	28.5	28.5	107.1	107.1	8.1	8.2	7.5	7.6	10	9	87	91	87	91	87	91	<0.2	<0.2	1.6	1.6			
					Middle	3.8	0.5	175	20.8	20.8	8.2	8.2	28.6	28.6	107.7	107.7	8.2	8.2	7.5	7.6	10	9	92	9	92	91	92	91	92	91	<0.2	<0.2	1.6	1.6
						3.8	0.5	190	20.8	20.8	8.2	8.2	28.6	28.6	107.7	107.7	8.2	8.2	7.5	7.6	8	9	92	9	92	91	92	91	92	91	<0.2	<0.2	1.7	1.7
					Bottom	6.5	0.5	185	20.9	20.9	8.2	8.2	29.7	29.7	107.7	107.7	8.1	8.1	7.8	8.1	9	8	93	8	93	8	93	8	93	8	<0.2	<0.2	1.7	1.7
						6.5	0.6	192	20.9	20.9	8.2	8.2	29.7	29.7	107.6	107.6	8.1	8.1	7.8	8.1	9	8	94	8	94	8	94	8	94	8	<0.2	<0.2	1.6	1.6
IM10	Fine	Rough	11:19	7.5	Surface	1.0	0.4	187	21.1	21.1	8.2	8.2	29.7	29.7	112.9	112.9	8.5	8.5	5.4	5.6	8	8	89	92	822239	809846	<0.2	<0.2	1.0	1.1				
						1.0	0.4	196	21.1	21.1	8.2	8.2	29.7	29.7	112.9	112.9	8.5	8.5	5.4	5.6	8	8	88	8	88	92	88	92	<0.2	<0.2	1.0	1.0		
					Middle	3.8	0.3	157	21.1	21.1	8.2	8.2	29.7	29.7	113.5	113.5	8.5	8.5	5.6	5.6	7	8	93	8	93	92	93	92	<0.2	<0.2	1.4	1.4		
						3.8	0.4	160	21.1	21.1	8.2	8.2	29.7	29.7	113.5	113.5	8.5	8.5	5.6	5.6	9	8	92	8	92	92	92	92	<0.2	<0.2	1.4	1.4		
					Bottom	6.5	0.4	163	21.0	21.0	8.3	8.3	29.7	29.7	115.4	115.4	8.6	8.7	5.8	5.9	9	8	94	8	94	8	94	8	94	8	<0.2	<0.2	1.0	1.0
						6.5	0.4	167	21.0	21.0	8.3	8.3	29.7	29.7	115.5	115.5	8.7	8.7	5.9	5.9	7	8	94	8	94	8	94	8	94	8	<0.2	<0.2	1.0	1.0
IM11	Fine	Rough	11:27	8.2	Surface	1.0	0.5	169	21.0	21.0	8.2	8.2	29.6	29.6	111.8	111.8	8.4	8.4	4.5	4.6	7	8	88	92	821512	810527	<0.2	<0.2	0.7	0.9				
						1.0	0.6	172	21.0	21.0	8.2	8.2	29.6	29.6	111.7	111.7	8.4	8.4	4.5	4.6	7	8	88	8	88	92	88	92	<0.2	<0.2	0.7	0.7		
					Middle	4.1	0.5	179	21.0	21.0	8.2	8.2	29.6	29.6	111.2	111.2	8.3	8.3	4.6	4.6	8	8	93	8	93	92	93	92	<0.2	<0.2	1.3	1.3		
						4.1	0.5	183	21.0	21.0	8.2	8.2	29.6	29.6	111.2	111.2	8.3	8.3	4.6	4.6	8	8	92	8	92	92	92	92	<0.2	<0.2	1.3	1.3		
					Bottom	7.2	0.5	175	21.0	21.0	8.2	8.2	29.6	29.6	111.1	111.1	8.3	8.3	4.7	4.8	8	8	94	8	94	8	94	8	94	8	<0.2	<0.2	0.7	0.6
						7.2	0.5	182	21.0	21.0	8.2	8.2	29.6	29.6	111.2	111.2	8.3	8.3	4.8	4.8	8	8	94	8	94	8	94	8	94	8	<0.2	<0.2	0.6	0.6
IM12	Fine	Rough	11:36	9.0	Surface	1.0	0.6	166	21.1	21.1	8.2	8.2	29.7	29.7	110.5	110.5	8.3	8.3	4.6	4.4	8	9	88	91	821170	811526	<0.2	<0.2	0.8	0.8				
						1.0	0.6	168	21.1	21.1	8.2	8.2	29.7	29.7	110.5	110.5	8.3	8.3	4.5	4.4	6	9	87	9	87	91	87	91	<0.2	<0.2	0.8	0.8		
					Middle	4.5	0.5	177	21.1	21.1	8.2	8.2	29.7	29.7	110.0	110.0	8.2	8.2	4.2	4.4	10	9	90	9	90	91	90	91	<0.2	<0.2	0.8	0.8		
						4.5	0.5	188	21.1	21.1	8.2	8.2	29.7	29.7	110.0	110.0	8.2	8.2	4.2	4.4	11	9	91	9	91	91	91	91	<0.2	<0.2	0.8	0.8		
					Bottom	8.0	0.5	189	21.1	21.1	8.2	8.2	29.7	29.7	109.8	109.8	8.2	8.2	4.4	4.4	10	8	93	8	93	9	93	9	93	9	<0.2	<0.2	0.8	0.7
						8.0	0.5	199	21.1	21.1	8.2	8.2	29.7	29.7	109.8	109.8	8.2	8.2	4.4	4.4	9	8	94	8	94	8	94	8	94	8	<0.2	<0.2	0.7	0.7
SR2	Fine	Moderate	11:59	4.1	Surface	1.0	0.3	156	21.2	21.2	8.2	8.2	29.8	29.8	107.4	107.4	8.0	8.0	5.2	5.1	5	6	87	91	821459	814146	<0.2	<0.2	0.8	0.7				
						1.0	0.3	164	21.2	21.2	8.2	8.2	29.8	29.8	107.4	107.4	8.0	8.0	5.2	5.1	6	6	88	6	88	91	88	91	<0.2	<0.2	0.7	0.7		
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	3.1	0.2	177	21.2	21.2	8.2	8.2	29.9	29.9	107.6	107.6	8.0	8.0	5.0	5.1	6	8	94	8	94	8	94	8	94	8	<0.2	<0.2	0.7	0.7
						3.1	0.2	188	21.2	21.2	8.2	8.2	29.9	29.9	107.6	107.6	8.0	8.0	5.1	5.1	8	8	94	8	94	8	94	8	94	8	<0.2	<0.2	0.7	0.7
SR3	Fine	Rough	10:56	9.6	Surface	1.0	0.5	144	20.7	20.7	8.1	8.1	28.1	28.1	103.4	103.4	7.9	7.9	10.0	13.1	11	11	-	-	822159	807584	-	-	-	-				
						1.0	0.5	144	20.7	20.7	8.1	8.1	28.1	28.1	103.4	103.4	7.9	7.9	10.0	13.1	11	11	-	-	-	-	-	-	-	-	-	-		
					Middle	4.8	0.5	146	20.7	20.7	8.1	8.1	28.2	28.2	102.8	102.8	7.8	7.8	12.0	13.1	12	11	-	-	-	-	-	-	-	-	-	-	-	
						4.8	0.5	153	20.7	20.7	8.1	8.1	28.2	28.2	102.8	102.8	7.8	7.8	12.1	13.1	11	11	-	-	-	-	-	-	-	-	-	-	-	
					Bottom	8.6	0.5	164	20.7	20.7	8.2	8.2	28.6	28.7	102.7	102.7	7.8	7.8	17.1	13.1	10	11	-	-	-	-	-	-	-	-	-	-	-	
						8.6	0.6	169	20.7	20.7	8.2	8.2	28.7	28.7	102.7	102.7	7.8	7.8	17.3	13.1	11	11	-	-	-	-	-	-	-	-	-	-	-	
SR4A	Sunny	Moderate	11:55	8.8	Surface	1.0	0.3	132	20.5	20.5	8.1	8.1	30.1	30.1	106.7	106.7	8.0	8.0	9.2	9.1	16	18	-	-	817200	807820	-	-	-	-				
						1.0	0.3	142	20.5	20.5	8.1	8.1	30.1	30.1	106.6	106.6	8.0	8.0	9.2	9.1	16	18	-	-	-	-	-	-	-	-				
					Middle	4.4	0.2	129	20.6	20.6	8.1	8.1	30.2	30.2	106.5	106.5	8.0	8.0	8.9	9.1	17	18	-	-	-	-	-	-	-	-	-			
						4.4	0.2	137	20.6	20.6	8.1	8.1	30.2	30.2	106.5	106.5	8.0	8.0	8.8	9.1	19	18	-	-	-	-	-	-	-	-				
					Bottom	7.8	0.3	134	20.6	20.6	8.1	8.1	30.2	30.2	106.1	106.1	8.0	8.0	9.2	9.1	19	18	-	-	-	-	-	-	-	-				
						7.8	0.3	143	20.6	20.6	8.1	8.1	30.2	30.2	106.1	106.1	8.0	8.0	9.1	9.1	21	18	-	-	-	-	-	-	-					
SR5A	Sunny	Moderate	12:14	4.2	Surface	1.0	0.1	161	20.8	20.8	8.1	8.1	30.2	30.2	111.1	111.1	8.3	8.3	4.0	4.0	11	10	-	-	816609	810677	-	-	-	-				
						1.0	0.1	162	20.8	20.8	8.1	8.1	30.2	30.2	111.1	111.1	8.3	8.3	4.0	4.0	9	10	-	-	-	-	-	-						
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					
					Bottom	3.2	0.1	141	20.8	20.8	8.1	8.1	30.2	30.2	109.8	109.8	8.2	8.2</																

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

**Water Quality Monitoring Results on 29 December 16 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	07:22	8.7	Surface	1.0	0.9	146	19.4	19.4	8.1	8.1	30.4	30.4	99.4	99.4	7.6	7.6	11.4	11.4	22	22	93	94	815627	804233	<0.2	<0.2	0.4	0.5		
						1.0	1.0	152	19.4	19.4	8.1	8.1	30.4	30.4	99.4	99.4	7.6	7.6	11.4	11.4	22	22	94	94								
					Middle	4.4	0.9	139	19.4	19.4	8.1	8.1	29.8	29.8	99.3	99.3	7.7	7.7	12.8	12.8	23	23	94	95								
						4.4	1.0	144	19.4	19.4	8.1	8.1	29.8	29.8	99.3	99.3	7.7	7.7	12.8	12.8	24	24	95	95								
					Bottom	7.7	0.9	126	19.4	19.4	8.0	8.0	28.4	28.4	99.1	99.1	7.7	7.7	10.6	10.6	23	23	95	95								
						7.7	0.9	131	19.4	19.4	8.0	8.0	28.3	28.4	99.0	99.1	7.7	7.7	10.6	10.6	25	25	95	95								
C2	Cloudy	Moderate	09:01	12.2	Surface	1.0	0.4	244	19.9	19.9	8.2	8.2	29.5	29.5	99.7	99.7	7.6	7.6	6.1	6.1	9	9	85	84	825676	806960	<0.2	<0.2	0.9	0.8		
						1.0	0.4	265	19.9	19.9	8.2	8.2	29.5	29.5	99.7	99.7	7.6	7.6	6.1	6.1	10	10	84	84								
					Middle	6.1	0.4	258	19.8	19.8	8.2	8.2	29.5	29.5	98.9	98.9	7.6	7.6	6.8	6.8	9	9	92	92								
						6.1	0.4	270	19.8	19.8	8.2	8.2	29.5	29.5	98.9	98.9	7.6	7.6	6.8	6.8	9	9	92	92								
					Bottom	11.2	0.4	249	19.7	19.7	8.2	8.2	29.7	29.7	99.1	99.1	7.6	7.6	8.4	8.4	9	9	93	93								
						11.2	0.5	270	19.7	19.7	8.2	8.2	29.7	29.7	99.1	99.1	7.6	7.6	8.4	8.4	10	10	94	94								
C3	Cloudy	Moderate	07:01	11.5	Surface	1.0	0.5	268	20.3	20.3	8.2	8.2	30.3	30.3	100.1	100.1	7.6	7.6	8.4	8.4	9	9	90	90	822093	817789	<0.2	<0.2	0.8	0.9		
						1.0	0.5	271	20.3	20.3	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	8.5	8.5	9	9	90	90								
					Middle	5.8	0.5	263	20.4	20.4	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	8.7	8.7	10	10	93	93								
						5.8	0.5	286	20.4	20.4	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	8.7	8.7	10	10	93	93								
					Bottom	10.5	0.5	269	20.4	20.4	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	15.6	15.6	14	14	94	94								
						10.5	0.6	273	20.4	20.4	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	15.6	15.6	14	14	93	93								
IM1	Cloudy	Rough	07:46	7.5	Surface	1.0	0.8	159	19.1	19.1	8.1	8.1	29.8	29.8	100.4	100.4	7.8	7.8	7.6	7.6	14	14	93	93	818357	806444	<0.2	<0.2	1.3	1.3		
						1.0	0.9	171	19.1	19.1	8.1	8.1	29.8	29.8	100.4	100.4	7.8	7.8	7.7	7.7	14	14	93	93								
					Middle	3.8	0.7	150	19.1	19.1	8.1	8.1	29.4	29.4	100.3	100.3	7.8	7.8	8.0	8.0	14	14	94	94								
						3.8	0.7	156	19.1	19.1	8.1	8.1	29.4	29.4	100.3	100.3	7.8	7.8	8.0	8.0	13	13	94	94								
					Bottom	6.5	0.7	147	19.1	19.1	8.1	8.1	28.4	28.4	100.2	100.2	7.8	7.8	8.1	8.1	16	16	95	95								
						6.5	0.7	150	19.1	19.1	8.1	8.1	28.4	28.4	100.2	100.2	7.8	7.8	8.1	8.1	16	16	94	94								
IM2	Cloudy	Rough	07:52	8.6	Surface	1.0	0.8	135	19.2	19.2	8.1	8.1	30.0	30.0	100.6	100.6	7.8	7.8	12.9	12.9	18	18	92	90	818858	806212	<0.2	<0.2	1.1	1.2		
						1.0	0.8	145	19.2	19.2	8.1	8.1	30.0	30.0	100.5	100.5	7.8	7.8	13.0	13.0	18	18	90	90								
					Middle	4.3	0.8	143	19.2	19.2	8.1	8.1	29.6	29.6	100.5	100.5	7.8	7.8	8.3	8.3	16	16	90	90								
						4.3	0.8	145	19.2	19.2	8.1	8.1	29.6	29.6	100.4	100.4	7.8	7.8	8.4	8.4	17	17	90	90								
					Bottom	7.6	0.9	130	19.2	19.2	8.0	8.0	28.9	28.9	100.1	100.1	7.8	7.8	9.2	9.2	23	23	90	90								
						7.6	0.9	131	19.2	19.2	8.0	8.0	28.9	28.9	100.0	100.1	7.8	7.8	9.3	9.3	24	24	91	91								
IM3	Cloudy	Rough	08:00	8.6	Surface	1.0	0.7	132	19.2	19.2	8.1	8.1	29.9	29.9	100.8	100.8	7.8	7.8	8.2	8.2	16	16	90	91	819426	806003	<0.2	<0.2	2.3	2.4		
						1.0	0.7	134	19.2	19.2	8.1	8.1	29.9	29.9	100.8	100.8	7.8	7.8	8.3	8.3	15	15	91	91								
					Middle	4.3	0.7	126	19.2	19.2	8.1	8.1	29.6	29.6	100.5	100.5	7.8	7.8	10.9	10.9	19	19	92	92								
						4.3	0.8	129	19.2	19.2	8.1	8.1	29.6	29.6	100.4	100.4	7.8	7.8	10.9	10.9	18	18	92	92								
					Bottom	7.6	0.7	149	19.2	19.2	8.0	8.0	28.6	28.6	99.8	99.7	7.8	7.8	10.9	10.9	17	17	92	92								
						7.6	0.7	161	19.2	19.2	8.0	8.0	28.6	28.6	99.6	99.7	7.8	7.8	10.9	10.9	19	19	93	93								
IM4	Cloudy	Rough	08:09	7.6	Surface	1.0	0.9	147	19.2	19.2	8.1	8.1	29.8	29.8	101.6	101.6	7.9	7.9	6.7	6.7	14	14	91	91	819557	805022	<0.2	<0.2	0.7	0.7		
						1.0	0.9	151	19.2	19.2	8.1	8.1	29.8	29.8	101.5	101.5	7.9	7.9	6.8	6.8	14	14	91	91								
					Middle	3.8	0.8	136	19.2	19.2	8.1	8.1	29.6	29.6	101.2	101.2	7.8	7.8	8.2	8.2	15	15	91	91								
						3.8	0.8	139	19.2	19.2	8.1	8.1	29.6	29.6	101.2	101.2	7.8	7.8	8.2	8.2	15	15	92	92								
					Bottom	6.6	0.9	137	19.2	19.2	8.1	8.1	28.9	28.9	101.0	101.0	7.9	7.9	10.5	10.5	15	15	92	92								
						6.6	0.9	142	19.2	19.2	8.1	8.1	28.8	28.9	100.9	101.0	7.9	7.9	10.5	10.5	14	14	92	92								
IM5	Cloudy	Rough	08:21	6.6	Surface	1.0	0.5	128	19.4	19.4	8.1	8.1	30.1	30.1	100.2	100.2	7.7	7.7	9.7	9.7	11	11	92	93	820570	804940	<0.2	<0.2	0.7	0.7		
						1.0	0.6	136	19.4	19.4	8.1	8.1	30.1	30.1	100.2	100.2	7.7	7.7	9.7	9.7	11	11	93	93								
					Middle	3.3	0.6	134	19.4	19.4	8.1	8.1	30.1	30.1	99.9	99.9	7.7	7.7	10.7	10.7	12	12	93	93								
						3.3	0.6	146	19.4	19.4	8.1	8.1	30.1	30.1	99.9	99.9	7.7	7.7	10.8	10.8	12	12	93	93								
					Bottom	5.6	0.9	133	19.4	19.4	8.1	8.1	30.1	30.1	99.8	99.8	7.7	7.7	10.9	10.9	20	20	94	94								
						5.6	0.9	143	19.4	19.4	8.1	8.1	30.1	30.1	99.8	99.8	7.7	7.7	10.9	10.9	18	18	94	94								
IM6	Cloudy	Rough	08:28	7.0	Surface	1.0	0.8	112	19.6	19.6	8.1	8.1	29.9	29.9	99.7	99.7	7.6	7.6	6.4	6.4	12	12	91	91	821079	805823	<0.2	<0.2	0.8	1.0		
						1.0	0.8	119	19.6	19.6	8.1	8.1	29.9	29.9	99.7	99.7	7.6	7.6	6.4	6.4	12	12	91	91								
					Middle	3.5	0.9	125	19.7	19.7	8.0	8.0	29.7	29.7	99.9	99.9	7.7	7.7	9.0	9.0	11	11	92	92								
						3.5	0.9	135	19.7	19.7	8.0	8.0	29.7	29.7	99.9	99.9	7.7	7.7	9.0	9.0	11	11	92	92								
					Bottom	6.0	0.8	147	19.7	19.7	8.0	8.0	29.3	29.3	100.6	100.6	7.7	7.7	7.9	7.9	12	12	93	93								
						6.0	0.8	155	19.7	19.7	8.0	8.0	29.3	29.3	100.6	100.6	7.8	7.8	7.8	7.8	12	12	93	93								
IM7	Cloudy	Rough	08:39	8.5	Surface	1.0	0.8	102	19.7	19.7	8.1	8.1	29.8	29.8	99.5	99.5	7.6	7.6	5.7	5.7	10	10	90	90	821350	806822	<0.2	<0.2	0.8	0.7		
						1.0																										

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

**Water Quality Monitoring Results on 29 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
IM9	Cloudy	Moderate	08:14	7.2	Surface	1.0	0.5	220	19.5	19.5	8.2	8.2	29.9	29.9	103.6	103.6	8.0	8.0	8.4	8.0	9	10	86	91	822101	808814	<0.2	<0.2	0.9	0.9				
						1.0	0.5	232	19.5	8.2	8.2	29.9	29.9	103.6	103.6	8.0	8.0	8.4	8.0	9	10	85	91	822101	808814	<0.2	<0.2	1.0	0.9					
					Middle	3.6	0.5	196	19.5	19.5	8.2	8.2	29.9	29.9	102.9	102.9	7.9	7.9	9.6	9.4	10	11	93	92	91	822101	808814	<0.2	<0.2	1.1	0.9			
						3.6	0.5	196	19.5	19.5	8.2	8.2	29.9	29.9	102.9	102.9	7.9	7.9	9.6	9.4	10	11	93	92	91	822101	808814	<0.2	<0.2	1.0	0.9			
					Bottom	6.2	0.5	207	19.5	19.5	8.2	8.2	29.9	29.9	102.5	102.5	7.9	7.9	10.2	10.2	12	11	94	93	91	822101	808814	<0.2	<0.2	0.7	0.9			
						6.2	0.5	210	19.5	19.5	8.2	8.2	29.9	29.9	102.5	102.5	7.9	7.9	10.2	10.2	11	11	93	93	91	822101	808814	<0.2	<0.2	0.9	0.9			
IM10	Cloudy	Moderate	08:04	7.8	Surface	1.0	0.6	266	19.7	19.7	8.2	8.2	30.0	30.0	102.0	102.0	7.8	7.8	8.9	7.7	8	9	86	91	822232	809842	<0.2	<0.2	0.6	0.7				
						1.0	0.6	274	19.7	19.7	8.2	8.2	30.0	30.0	102.0	102.0	7.8	7.8	8.9	7.7	7	10	87	92	91	822232	809842	<0.2	<0.2	0.6	0.7			
					Middle	3.9	0.5	261	19.6	19.6	8.2	8.2	30.0	30.0	101.4	101.4	7.8	7.8	10.4	10.5	10	8	93	92	91	822232	809842	<0.2	<0.2	0.7	0.8			
						3.9	0.5	275	19.6	19.6	8.2	8.2	30.0	30.0	101.4	101.4	7.8	7.8	10.5	10.5	8	10	92	94	91	822232	809842	<0.2	<0.2	0.8	0.7			
					Bottom	6.8	0.5	245	19.6	19.6	8.2	8.2	30.1	30.1	101.0	101.0	7.8	7.8	19.8	19.8	10	12	94	93	91	822232	809842	<0.2	<0.2	0.7	0.9			
						6.8	0.5	268	19.6	19.6	8.2	8.2	30.1	30.1	101.0	101.0	7.8	7.8	19.8	19.8	12	12	93	93	91	822232	809842	<0.2	<0.2	0.9	0.9			
IM11	Cloudy	Moderate	07:55	8.2	Surface	1.0	0.5	239	19.7	19.7	8.2	8.2	30.0	30.0	100.8	100.8	7.7	7.7	7.5	7.5	9	10	88	91	821511	810547	<0.2	<0.2	0.8	0.8				
						1.0	0.5	251	19.7	19.7	8.2	8.2	30.0	30.0	100.8	100.8	7.7	7.7	7.5	7.7	10	10	87	93	91	821511	810547	<0.2	<0.2	0.8	0.7			
					Middle	4.1	0.4	253	19.7	19.7	8.2	8.2	30.0	30.0	100.2	100.2	7.7	7.7	10.5	10.4	10	10	93	92	91	821511	810547	<0.2	<0.2	0.9	0.7			
						4.1	0.4	265	19.7	19.7	8.2	8.2	30.0	30.0	100.2	100.2	7.7	7.7	10.4	10.4	10	10	92	93	91	821511	810547	<0.2	<0.2	0.7	0.6			
					Bottom	7.2	0.4	248	19.7	19.7	8.2	8.2	30.0	30.0	100.1	100.1	7.7	7.7	13.2	13.2	11	10	93	94	91	821511	810547	<0.2	<0.2	0.6	0.6			
						7.2	0.4	269	19.7	19.7	8.2	8.2	30.0	30.0	100.1	100.1	7.7	7.7	13.2	13.2	10	10	94	94	91	821511	810547	<0.2	<0.2	0.6	0.6			
IM12	Cloudy	Moderate	07:46	9.2	Surface	1.0	0.6	254	19.6	19.6	8.2	8.2	30.1	30.1	102.2	102.2	7.9	7.9	6.7	6.7	7	8	88	92	821172	811527	<0.2	<0.2	0.6	0.7				
						1.0	0.7	254	19.6	19.6	8.2	8.2	30.1	30.1	102.2	102.2	7.9	7.9	6.7	6.7	8	7	89	93	92	821172	811527	<0.2	<0.2	0.5	0.6			
					Middle	4.6	0.5	263	19.6	19.6	8.2	8.2	30.1	30.1	101.7	101.7	7.8	7.8	7.4	7.4	7	8	93	93	92	821172	811527	<0.2	<0.2	0.7	0.6			
						4.6	0.5	277	19.6	19.6	8.2	8.2	30.1	30.1	101.7	101.7	7.8	7.8	7.4	7.4	7	8	93	94	92	821172	811527	<0.2	<0.2	0.6	0.9			
					Bottom	8.2	0.5	268	19.6	19.6	8.2	8.2	30.1	30.1	101.3	101.3	7.8	7.8	12.0	11.7	10	8	94	94	92	821172	811527	<0.2	<0.2	0.9	1.0			
						8.2	0.6	269	19.6	19.6	8.2	8.2	30.1	30.1	101.3	101.3	7.8	7.8	11.7	11.7	8	8	94	94	92	821172	811527	<0.2	<0.2	1.0	1.0			
SR2	Cloudy	Moderate	07:23	4.8	Surface	1.0	0.4	182	19.5	19.5	8.2	8.2	30.0	30.0	100.8	100.8	7.8	7.8	6.9	6.9	9	8	90	92	821472	814174	<0.2	<0.2	0.7	0.6				
						1.0	0.4	192	19.5	19.5	8.2	8.2	30.0	30.0	100.8	100.8	7.8	7.8	6.9	6.9	8	9	89	94	92	821472	814174	<0.2	<0.2	0.6	0.8			
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821472	814174	<0.2	<0.2	-	-	
						2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	92	821472	814174	<0.2	<0.2	-	-
					Bottom	3.8	0.3	180	19.5	19.5	8.2	8.2	30.0	30.0	100.4	100.4	7.7	7.7	7.4	7.4	9	10	94	93	92	821472	814174	<0.2	<0.2	0.8	0.9			
						3.8	0.3	191	19.5	19.5	8.2	8.2	30.0	30.0	100.4	100.4	7.7	7.7	7.4	7.4	10	10	93	93	92	821472	814174	<0.2	<0.2	0.9	0.9			
SR3	Cloudy	Moderate	08:31	8.6	Surface	1.0	0.4	156	19.9	19.9	8.2	8.2	29.7	29.7	99.1	99.1	7.6	7.6	5.6	5.6	7	6	-	-	822157	807590	-	-	-	-				
						1.0	0.5	162	19.9	19.9	8.2	8.2	29.7	29.7	99.1	99.1	7.6	7.6	5.6	5.6	6	7	-	-	-	-	822157	807590	-	-	-	-		
					Middle	4.3	0.5	169	19.9	19.9	8.2	8.2	29.7	29.7	99.1	99.1	7.6	7.6	5.4	5.4	6	6	-	-	-	-	822157	807590	-	-	-	-		
						4.3	0.5	184	19.9	19.9	8.2	8.2	29.7	29.7	99.1	99.1	7.6	7.6	5.4	5.4	6	6	-	-	-	-	822157	807590	-	-	-	-		
					Bottom	7.6	0.5	159	19.9	19.9	8.2	8.2	29.8	29.8	99.8	99.8	7.6	7.6	6.9	6.9	6	6	-	-	-	-	822157	807590	-	-	-	-		
						7.6	0.5	167	19.9	19.9	8.2	8.2	29.8	29.8	99.8	99.8	7.6	7.6	6.9	6.9	6	6	-	-	-	-	822157	807590	-	-	-	-		
SR4A	Cloudy	Moderate	06:58	8.1	Surface	1.0	0.2	219	19.0	19.0	8.1	8.1	29.4	29.4	104.9	104.9	8.2	8.2	5.4	5.4	10	10	-	-	817172	807806	-	-	-	-				
						1.0	0.2	237	19.0	19.0	8.1	8.1	29.4	29.4	104.9	104.9	8.2	8.2	5.5	5.5	10	11	-	-	-	-	817172	807806	-	-	-	-		
					Middle	4.1	0.2	205	19.0	19.0	8.1	8.1	29.1	29.1	103.9	103.9	8.1	8.1	5.2	5.2	10	10	-	-	-	-	817172	807806	-	-	-	-		
						4.1	0.2	223	19.0	19.0	8.1	8.1	29.1	29.1	103.9	103.9	8.1	8.1	5.2	5.2	10	12	-	-	-	-	817172	807806	-	-	-	-		
					Bottom	7.1	0.2	186	19.0	19.0	8.1	8.1	28.4	28.4	102.4	102.4	8.0	8.0	5.4	5.3	12	14	-	-	-	-	817172	807806	-	-	-	-		
						7.1	0.2	197	19.0	19.0	8.1	8.1	28.3	28.4	102.3	102.4	8.0	8.0	5.3	5.3	14	14	-	-	-	-	817172	807806	-	-	-	-		
SR5A	Cloudy	Calm	06:42	4.8	Surface	1.0	0.2	274	19.1	19.1	8.1	8.1	28.8	28.8	103.2	103.2	8.0	8.0	4.5	4.5	9	10	-	-	816573	810691	-	-	-	-				
						1.0	0.3	291	19.1	19.1	8.1	8.1	28.7	28.7	103.1	103.1	8.0	8.0	4.4	4.4	10	9	-	-	-	-	816573	810691	-	-	-	-		
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	816573	810691	-	-	-		

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

**Water Quality Monitoring Results on 29 December 16 during Mid-Ebb tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA
C1	Cloudy	Rough	12:43	8.2	Surface	1.0	0.5	161	19.5	8.1	8.1	30.4	30.4	99.5	99.6	7.6	7.6	6.4	6.7	8	11	93	94	815603	804254	<0.2	<0.2	0.4	0.5					
						1.0	0.6	162	19.5	8.1	8.1	30.4	30.4	99.6	99.6	7.6		6.5		10		93				<0.2		0.5						
					Middle	4.1	0.6	170	19.5	8.1	8.1	30.3	30.3	99.7	99.7	7.6	7.8	6.7	7.8	7	9	84	90	825666	806944	<0.2	<0.2	0.9	0.9					
						4.1	0.6	176	19.5	8.1	8.1	30.2	30.3	99.7	99.7	7.6		6.7		11		94				<0.2		0.5						
					Bottom	7.2	0.5	152	19.5	8.0	8.0	29.3	29.3	101.0	101.0	7.8	7.7	7.0	7.7	6	5	95	92	822099	817822	<0.2	<0.2	0.3	0.4					
						7.2	0.6	155	19.5	8.0	8.0	29.2	29.3	101.0	101.0	7.8		7.0		11		95				<0.2		0.4						
C2	Cloudy	Moderate	11:41	12.4	Surface	1.0	0.3	187	19.9	8.2	8.2	29.6	29.6	100.4	100.4	7.7	7.7	5.5	7.3	7	7	84	90	825666	806944	<0.2	<0.2	1.0	0.9					
						1.0	0.3	193	19.9	8.2	8.2	29.6	29.6	100.3	100.4	7.7		5.5		6		84				<0.2		0.8						
					Middle	6.2	0.2	168	19.9	8.2	8.2	29.6	29.6	99.4	99.4	7.6	7.6	8.8	7.6	7	8	91	93	819418	806036	<0.2	<0.2	0.4	0.4					
						6.2	0.2	173	19.9	8.2	8.2	29.6	29.6	99.4	99.4	7.6		8.8		6		92				<0.2		0.7						
					Bottom	11.4	0.2	158	19.8	8.2	8.2	29.6	29.6	99.6	99.7	7.6	7.6	7.5	7.6	8	9	94	90	821684	807832	<0.2	<0.2	1.1	1.1					
						11.4	0.2	167	19.8	8.2	8.2	29.6	29.6	99.7	99.7	7.6		7.5		9		93				<0.2		1.1						
C3	Cloudy	Moderate	13:39	12.5	Surface	1.0	0.4	122	20.5	8.2	8.2	30.4	30.4	103.8	103.8	7.8	7.8	2.2	2.6	4	5	90	92	822099	817822	<0.2	<0.2	0.4	0.4					
						1.0	0.4	128	20.5	8.2	8.2	30.4	30.4	103.8	103.8	7.8		2.2		5		89				<0.2		0.6						
					Middle	6.3	0.3	110	20.5	8.2	8.2	30.4	30.4	102.7	102.7	7.8	7.7	2.8	7.7	5	6	91	94	818352	806447	<0.2	<0.2	0.5	0.5					
						6.3	0.4	111	20.5	8.2	8.2	30.4	30.4	102.7	102.7	7.8		2.8		4		92				<0.2		0.4						
					Bottom	11.5	0.3	102	20.4	8.2	8.2	30.4	30.4	102.3	102.3	7.7	7.7	2.8	7.7	6	5	95	92	819554	805046	<0.2	<0.2	0.3	0.3					
						11.5	0.3	109	20.4	8.2	8.2	30.4	30.4	102.3	102.3	7.7		2.8		5		94				<0.2		0.3						
IM1	Cloudy	Rough	12:21	7.5	Surface	1.0	0.5	172	19.2	8.1	8.1	30.2	30.2	100.9	100.9	7.8	7.8	6.7	6.6	12	12	92	93	818352	806447	<0.2	<0.2	0.5	0.5					
						1.0	0.5	174	19.2	8.1	8.1	30.2	30.2	100.9	100.9	7.8		6.6		12		93				<0.2		0.5						
					Middle	3.8	0.5	162	19.2	8.1	8.1	30.1	30.1	101.0	101.0	7.8	7.8	6.7	7.0	12	14	93	93	818862	806203	<0.2	<0.2	0.4	0.4					
						3.8	0.5	178	19.2	8.1	8.1	30.1	30.1	101.0	101.0	7.8		6.7		13		93				<0.2		0.4						
					Bottom	6.5	0.5	174	19.3	8.1	8.1	29.7	29.7	101.5	101.5	7.8	7.8	6.6	7.9	12	14	94	93	819554	805046	<0.2	<0.2	0.5	0.4					
						6.5	0.5	188	19.3	8.1	8.1	29.7	29.7	101.5	101.5	7.8		6.3		12		94				<0.2		0.4						
IM2	Cloudy	Rough	12:16	8.3	Surface	1.0	0.5	151	19.4	8.1	8.1	30.5	30.5	101.5	101.5	7.8	7.8	6.7	7.0	13	14	92	93	818862	806203	<0.2	<0.2	0.4	0.4					
						1.0	0.5	151	19.4	8.1	8.1	30.5	30.5	101.5	101.5	7.8		6.7		14		92				<0.2		0.6						
					Middle	4.2	0.6	158	19.4	8.1	8.1	30.2	30.2	101.4	101.4	7.8	7.8	7.5	7.9	14	15	93	94	820576	804934	<0.2	<0.2	0.4	0.4					
						4.2	0.6	162	19.4	8.1	8.1	30.2	30.2	101.4	101.4	7.8		7.5		14		93				<0.2		0.4						
					Bottom	7.3	0.6	158	19.4	8.1	8.1	29.4	29.4	101.7	101.7	7.9	7.9	6.9	7.9	15	14	94	90	819418	806036	<0.2	<0.2	0.4	0.4					
						7.3	0.6	169	19.4	8.0	8.1	29.4	29.4	101.7	101.7	7.9		6.9		14		93				<0.2		0.4						
IM3	Cloudy	Rough	12:08	8.6	Surface	1.0	0.7	146	19.3	8.1	8.1	30.4	30.4	101.0	101.0	7.8	7.8	6.8	7.2	12	13	88	90	819418	806036	<0.2	<0.2	0.4	0.4					
						1.0	0.8	156	19.3	8.1	8.1	30.4	30.4	101.0	101.0	7.8		6.8		12		89				<0.2		0.4						
					Middle	4.3	0.7	144	19.3	8.1	8.1	30.1	30.1	101.0	101.1	7.8	7.9	7.2	7.9	12	13	90	91	821684	807832	<0.2	<0.2	0.4	0.4					
						4.3	0.7	152	19.3	8.1	8.1	30.1	30.1	101.1	101.1	7.8		7.2		13		90				<0.2		0.4						
					Bottom	7.6	0.7	155	19.3	8.1	8.1	29.4	29.4	101.4	101.4	7.8	7.9	7.7	7.9	13	14	91	91	821343	806835	<0.2	<0.2	0.3	0.3					
						7.6	0.8	168	19.3	8.1	8.1	29.3	29.4	101.4	101.4	7.9		7.7		14		91				<0.2		0.4						
IM4	Cloudy	Rough	12:01	8.1	Surface	1.0	0.6	139	19.2	8.1	8.1	30.3	30.3	101.6	101.6	7.8	7.8	5.9	6.2	11	12	89	90	819554	805046	<0.2	<0.2	0.4	0.4					
						1.0	0.6	149	19.2	8.1	8.1	30.3	30.3	101.5	101.6	7.8		6.0		11		89				<0.2		0.4						
					Middle	4.1	0.6	149	19.2	8.1	8.1	30.1	30.1	101.4	101.4	7.8	7.8	6.2	6.9	11	12	90	91	820576	804934	<0.2	<0.2	0.5	0.5					
						4.1	0.6	151	19.2	8.1	8.1	30.1	30.1	101.4	101.4	7.8		6.3		11		90				<0.2		0.5						
					Bottom	7.1	0.6	167	19.3	8.1	8.1	29.4	29.4	101.6	101.7	7.9	7.9	6.5	7.9	12	13	91	91	821343	806835	<0.2	<0.2	0.4	0.3					
						7.1	0.6	182	19.3	8.1	8.1	29.3	29.4	101.7	101.7	7.9		6.4		13		91				<0.2		0.3						
IM5	Cloudy	Rough	11:52	6.9	Surface	1.0	0.4	152	19.2	8.1	8.1	30.0	30.0	103.2	103.2	8.0	8.0	6.2	6.9	12	14	90	91	820576	804934	<0.2	<0.2	0.5	0.6					
						1.0	0.4	152	19.2	8.1	8.1	30.0	30.0	103.2	103.2	8.0		6.2		13		90				<0.2		0.4						
					Middle	3.5	0.4	141	19.2	8.1	8.1	29.8	29.8	102.7	102.7	7.9	7.9	6.9	7.9	12	15	91	92	821684	807832	<0.2	<0.2	0.4	0.6					
						3.5	0.4	154	19.2	8.1	8.1	29.8	29.8	102.7	102.7	7.9		7.0		15		91				<0.2		0.7						
					Bottom	5.9	0.3	157	19.2	8.1	8.1	28.9	28.9	102.1	102.1	7.9	7.9	7.4	7.9	16	16	92	91	821684	807832	<0.2	<0.2	0.6	0.7					
						5.9	0.3	163	19.2	8.1	8.1	28.9	28.9	102.1	102.1	7.9		7.5		16		91				<0.2		0.7						
IM6	Cloudy	Rough	11:43	7.1	Surface	1.0	0.6	96	19.3	8.1	8.1	29.6	29.6	102.1	102.2	7.9	7.9	5.5	6.2	14	14	89	90	821070	805827	<0.2	<0.2	0.7	0.7					
						1.0	0.6	103	19.3	8.1	8.1	29.6	29.6	102.2	102.2	7.9		5.6		15		89				<0.2		0.6						
					Middle	3.6	0.5	116	19.3	8.1	8.1	29.3	29.3	101.9	101.9	7.9	7.9	6.1	6.8	14	16	90	91	821684	807832	<0.2	<0.2	0.6	0.8					
						3.6	0.6	127	19.3	8.1	8.1	29.3	29.3	101.9	101.9	7.9		6.1		13		90				<0.2</								

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

**Water Quality Monitoring Results on 29 December 16 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	12:27	7.4	Surface	1.0	0.3	134	19.7	8.2	8.2	29.9	29.9	104.0	104.0	8.0	8.0	5.7	8.0	11	12	86	90	822088	808830	<0.2	<0.2	0.6	0.7				
						1.0	0.3	136	19.7	8.2	8.2	29.9	29.9	104.0	104.0	8.0	8.0	5.7	8.0	11	12	87	90										
					Middle	3.7	0.3	157	19.6	8.2	8.2	29.9	29.9	103.7	103.7	8.0	8.0	5.6	8.0	5.9	5.9	11	12							91	91		
						3.7	0.3	170	19.6	8.2	8.2	29.9	29.9	103.7	103.7	8.0	8.0	5.6	8.0	5.9	5.9	12	12							91	91		
					Bottom	6.4	0.3	154	19.6	8.2	8.2	29.9	29.9	103.8	103.8	8.0	8.0	6.4	8.0	6.4	8.0	14	14							93	94		
						6.4	0.3	166	19.6	8.2	8.2	29.9	29.9	103.8	103.8	8.0	8.0	6.4	8.0	6.4	8.0	14	14							94	94		
IM10	Cloudy	Moderate	12:34	7.5	Surface	1.0	0.3	154	19.7	8.2	8.2	30.0	30.0	105.1	105.1	8.1	8.1	4.5	8.1	9	9	86	90	822239	809844	<0.2	<0.2	0.6	0.6				
						1.0	0.3	155	19.7	8.2	8.2	30.0	30.0	105.1	105.1	8.1	8.1	4.5	8.1	7	9	86	90										
					Middle	3.8	0.3	169	19.7	8.2	8.2	30.0	30.0	104.4	104.4	8.0	8.0	4.7	8.0	4.6	4.6	8	9							90	91		
						3.8	0.3	171	19.7	8.2	8.2	30.0	30.0	104.4	104.4	8.0	8.0	4.7	8.0	4.6	4.6	8	9							91	91		
					Bottom	6.5	0.3	153	19.6	8.2	8.2	30.0	30.0	104.5	104.5	8.0	8.0	4.7	8.0	4.7	8.0	9	10							94	93		
						6.5	0.3	164	19.6	8.2	8.2	30.0	30.0	104.5	104.5	8.0	8.0	4.7	8.0	4.7	8.0	10	10							94	93		
IM11	Cloudy	Moderate	12:44	8.4	Surface	1.0	0.4	130	19.7	8.2	8.2	30.0	30.0	104.0	104.0	8.0	8.0	4.8	8.0	7	7	87	90	821518	810534	<0.2	<0.2	0.6	0.6				
						1.0	0.4	137	19.7	8.2	8.2	30.0	30.0	104.0	104.0	8.0	8.0	4.8	8.0	7	7	87	90										
					Middle	4.2	0.3	145	19.7	8.2	8.2	30.0	30.0	103.5	103.5	7.9	7.9	5.1	7.9	4.9	4.9	7	7							90	91		
						4.2	0.3	152	19.7	8.2	8.2	30.0	30.0	103.5	103.5	7.9	7.9	5.1	7.9	4.9	4.9	7	7							91	91		
					Bottom	7.4	0.3	158	19.7	8.2	8.2	30.0	30.0	103.6	103.6	7.9	7.9	4.8	7.9	7.9	7.9	7	7							94	93		
						7.4	0.3	172	19.7	8.2	8.2	30.0	30.0	103.6	103.6	7.9	7.9	4.8	7.9	7.9	7.9	8	7							93	93		
IM12	Cloudy	Moderate	12:53	8.8	Surface	1.0	0.4	146	19.9	8.2	8.2	30.1	30.1	103.9	103.9	7.9	7.9	3.9	7.9	8	9	88	91	821161	811512	<0.2	<0.2	0.6	0.6				
						1.0	0.4	150	19.9	8.2	8.2	30.1	30.1	103.9	103.9	7.9	7.9	3.9	7.9	8	9	89	91										
					Middle	4.4	0.3	133	19.9	8.2	8.2	30.1	30.1	103.2	103.2	7.9	7.9	3.9	7.9	4.1	4.1	8	9							90	91		
						4.4	0.3	146	19.9	8.2	8.2	30.1	30.1	103.2	103.2	7.9	7.9	3.9	7.9	4.1	4.1	9	9							91	91		
					Bottom	7.8	0.3	130	19.9	8.2	8.2	30.0	30.0	103.5	103.5	7.9	7.9	4.5	7.9	7.9	7.9	10	10							94	94		
						7.8	0.3	139	19.9	8.2	8.2	30.0	30.0	103.5	103.5	7.9	7.9	4.5	7.9	7.9	7.9	9	9							94	94		
SR2	Cloudy	Moderate	13:17	5.0	Surface	1.0	0.3	138	20.1	8.2	8.2	30.1	30.1	103.5	103.5	7.9	7.9	3.8	7.9	7	8	89	91	821462	814177	<0.2	<0.2	0.6	0.6				
						1.0	0.3	143	20.1	8.2	8.2	30.1	30.1	103.5	103.5	7.9	7.9	3.8	7.9	7	8	89	91										
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	5.1	-	8							-	-		
						2.5	-	-	-	-	-	-	-	-	-	-	-	-	-	5.1	5.1	-	8							-	-		
					Bottom	4.0	0.3	148	20.0	8.2	8.2	30.1	30.1	102.4	102.4	7.8	7.8	6.4	7.8	7.8	7.8	7	7							93	94		
						4.0	0.3	157	20.0	8.2	8.2	30.1	30.1	102.4	102.4	7.8	7.8	6.4	7.8	7.8	7.8	9	9							94	94		
SR3	Cloudy	Moderate	12:11	9.0	Surface	1.0	0.4	189	19.8	8.2	8.2	29.8	29.8	102.3	102.3	7.8	7.8	6.7	7.8	10	11	-	-	822143	807554	-	-	-	-				
						1.0	0.4	198	19.8	8.2	8.2	29.8	29.8	102.3	102.3	7.8	7.8	6.7	7.8	7.2	7.2	10	11							-	-		
					Middle	4.5	0.4	191	19.7	8.2	8.2	29.9	29.9	100.9	100.9	7.7	7.7	7.5	7.7	7.2	7.2	11	11							-	-		
						4.5	0.4	201	19.7	8.2	8.2	29.9	29.9	100.9	100.9	7.7	7.7	7.5	7.7	7.2	7.2	11	11							-	-		
					Bottom	8.0	0.5	184	19.7	8.2	8.2	29.9	29.9	100.5	100.5	7.7	7.7	7.4	7.7	7.7	7.7	12	11							-	-		
						8.0	0.5	192	19.7	8.2	8.2	29.9	29.9	100.5	100.5	7.7	7.7	7.4	7.7	7.7	7.7	11	11							-	-		
SR4A	Sunny	Moderate	13:06	7.9	Surface	1.0	0.3	106	19.1	8.1	8.1	29.8	29.8	104.6	104.6	8.1	8.1	4.7	8.1	11	11	-	-	817193	807800	-	-	-	-				
						1.0	0.3	107	19.1	8.1	8.1	29.8	29.8	104.6	104.6	8.1	8.1	4.7	8.1	5.0	5.0	11	11							-	-		
					Middle	4.0	0.3	111	19.1	8.1	8.1	29.5	29.5	103.6	103.6	8.0	8.0	5.1	8.0	5.0	5.0	9	11							-	-		
						4.0	0.3	116	19.1	8.1	8.1	29.5	29.5	103.5	103.5	8.0	8.0	5.1	8.0	5.0	5.0	9	11							-	-		
					Bottom	6.9	0.3	122	19.1	8.1	8.1	28.8	28.8	103.5	103.5	8.1	8.1	5.3	8.1	8.1	8.1	13	11							-	-		
						6.9	0.3	129	19.1	8.1	8.1	28.7	28.8	103.5	103.5	8.1	8.1	5.3	8.1	8.1	8.1	13	11							-	-		
SR5A	Sunny	Calm	13:22	4.6	Surface	1.0	0.2	172	19.3	8.1	8.1	29.1	29.1	108.7	108.7	8.4	8.4	4.6	8.4	7	7	-	-	816574	810687	-	-	-	-				
						1.0	0.2	184	19.3	8.1	8.1	29.1	29.1	108.7	108.7	8.4	8.4	4.6	8.4	5.0	5.0	7	7							-	-		
					Middle	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	5.0							-	7	-	-
						2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0	5.0							-	7	-	-
					Bottom	3.6	0.2	161	19.1	8.0	8.0	27.7	27.7	102.4	102.3	8.0	8.0	5.3	8.0	8.0	8.0	7	7							-	-		
						3.6	0.2	171	19.1	8.0	8.0	27.6	27.7	102.1	102.3	8.0	8.0	5.4	8.0	8.0	8.0	8	7							-	-		
SR6	Sunny	Calm	13:46	4.0	Surface	1.0	0.2	131	19.9	8.1	8.1	29.8	29.8	106.5	106.5	8.1	8.1	5.8	8.1	8	9	-	-	817892	814644	-	-	-	-				
						1.0	0.2	138	19.9	8.1	8.1	29.8	29.8	106.5	106.5	8.1	8.1	6.0	8.1	6.6	6.6	8	9							-	-		
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	6.6							-	9	-	-
						2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6	6.6							-	9	-	-
					Bottom	3.0	0.2	127	19.9	8.0	8.0	29.3	29.3	105.2	105.2	8.1	8.1	7.4	8.1	8.1	8.1	10	9							-	-		
						3.0	0.2	131	19.9	8.0	8.0	29.3	29.3	105.2	105.2	8.1	8.1	7.3	8.1	8.1	8.1	9	9							-	-		
SR7	Cloudy	Moderate	14:08	16.5	Surface	1.0	0.3	63	20.4	8.2	8.2	30.3	30.3	101.0	101.0	7.6	7.6	2.8	7.6	7	7	-	-	823650	823751	-	-	-	-				
						1.0	0.4	65	20.4	8.2	8.2	30.3	30.3	101.0	101.0	7.6	7.6	2.8	7.6	7.6	7.6	7	7							-	-		
					Middle	8.3	0.4	55	20.4	8.2	8.2	30.3	30.3	99.9	99.9	7.5	7.5																

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

**Water Quality Monitoring Results on 31 December 16 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	08:28	8.3	Surface	1.0	0.5	87	19.2	19.2	8.1	8.1	30.6	30.6	99.4			99.4	7.7	7.6	10.2	7.6	26	25	94
						1.0	0.5	91	19.2	19.2	8.1	8.1	30.6	30.6	99.4	99.4	7.6	7.6	10.0	7.6	25	25	94	94			<0.2	0.6	<0.2	0.7				
					Middle	4.2	0.6	54	19.2	19.2	8.1	8.1	30.5	30.5	99.2	99.2	7.6	7.6	13.3	7.6	29	29	94	94			<0.2	0.4	<0.2	0.4				
						4.2	0.6	57	19.2	19.2	8.1	8.1	30.5	30.5	99.2	99.2	7.6	7.6	13.1	7.6	32	32	94	94			<0.2	0.4	<0.2	0.4				
					Bottom	7.3	0.6	51	19.2	19.2	8.0	8.0	30.3	30.3	98.7	98.7	7.6	7.6	19.0	7.6	30	30	95	95			<0.2	0.4	<0.2	0.4				
						7.3	0.6	51	19.2	19.2	8.0	8.0	30.3	30.3	98.7	98.7	7.6	7.6	18.9	7.6	32	32	95	95			<0.2	0.4	<0.2	0.4				
C2	Sunny	Moderate	10:07	12.1	Surface	1.0	0.3	260	19.6	19.6	8.2	8.2	29.4	29.4	100.8	100.8	7.8	7.8	6.8	7.8	9	9	85	85	825685	806925	<0.2	1.2	<0.2	1.2				
						1.0	0.3	281	19.5	19.5	8.2	8.2	29.4	29.4	100.7	100.7	7.8	7.8	6.8	7.8	10	10	85	85			<0.2	1.2	<0.2	1.2				
					Middle	6.1	0.3	230	19.5	19.5	8.2	8.2	29.6	29.6	99.9	99.9	7.7	7.7	8.7	7.7	10	10	92	92			<0.2	1.1	<0.2	1.1				
						6.1	0.3	230	19.5	19.5	8.2	8.2	29.6	29.6	99.9	99.9	7.7	7.7	8.7	7.7	9	9	92	92			<0.2	1.1	<0.2	1.1				
					Bottom	11.1	0.3	243	19.4	19.4	8.2	8.2	29.9	29.9	100.1	100.1	7.7	7.7	10.5	7.7	9	9	94	94			<0.2	1.2	<0.2	1.2				
						11.1	0.4	252	19.4	19.4	8.2	8.2	29.9	29.9	100.1	100.1	7.7	7.7	10.5	7.7	8	8	94	94			<0.2	1.1	<0.2	1.1				
C3	Sunny	Moderate	08:03	11.4	Surface	1.0	0.6	244	19.8	19.8	8.2	8.2	30.3	30.3	100.5	100.5	7.7	7.7	8.6	7.7	7	7	89	89	822114	817793	<0.2	0.6	<0.2	0.6				
						1.0	0.6	244	19.8	19.8	8.2	8.2	30.3	30.3	100.5	100.5	7.7	7.7	8.6	7.7	8	8	90	90			<0.2	0.6	<0.2	0.6				
					Middle	5.7	0.5	239	19.8	19.8	8.2	8.2	30.3	30.3	100.2	100.2	7.7	7.7	12.8	7.7	15	15	93	93			<0.2	0.8	<0.2	0.8				
						5.7	0.5	250	19.8	19.8	8.2	8.2	30.3	30.3	100.2	100.2	7.7	7.7	12.8	7.7	13	13	93	93			<0.2	0.9	<0.2	0.9				
					Bottom	10.4	0.4	234	19.8	19.8	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	25.3	7.6	18	18	94	94			<0.2	0.6	<0.2	0.6				
						10.4	0.4	245	19.8	19.8	8.2	8.2	30.3	30.3	100.0	100.0	7.6	7.6	25.7	7.6	19	19	94	94			<0.2	0.6	<0.2	0.6				
IM1	Sunny	Moderate	08:49	7.5	Surface	1.0	0.5	88	19.1	19.1	8.0	8.0	30.0	30.0	100.6	100.6	7.8	7.8	10.5	7.8	27	27	90	90	818352	806475	<0.2	0.8	<0.2	0.8				
						1.0	0.5	92	19.1	19.1	8.0	8.0	30.0	30.0	100.6	100.6	7.8	7.8	10.6	7.8	29	29	91	91			<0.2	0.7	<0.2	0.7				
					Middle	3.8	0.5	99	19.1	19.1	8.0	8.0	29.8	29.8	100.2	100.2	7.8	7.8	13.6	7.8	28	28	91	91			<0.2	0.6	<0.2	0.6				
						3.8	0.5	103	19.1	19.1	8.0	8.0	29.8	29.8	100.2	100.2	7.8	7.8	13.6	7.8	29	29	91	91			<0.2	0.7	<0.2	0.7				
					Bottom	6.5	0.4	89	19.1	19.1	8.0	8.0	29.5	29.5	99.9	99.9	7.8	7.8	13.7	7.8	29	29	92	92			<0.2	0.8	<0.2	0.8				
						6.5	0.5	93	19.1	19.1	8.0	8.0	29.5	29.5	99.9	99.9	7.8	7.8	14.0	7.8	30	30	92	92			<0.2	0.8	<0.2	0.8				
IM2	Sunny	Moderate	08:54	8.3	Surface	1.0	0.6	101	19.1	19.1	8.0	8.0	30.0	30.0	100.8	100.8	7.8	7.8	8.9	7.8	26	26	93	93	818853	806186	<0.2	0.8	<0.2	0.8				
						1.0	0.6	103	19.1	19.1	8.0	8.0	30.0	30.0	100.8	100.8	7.8	7.8	8.9	7.8	25	25	93	93			<0.2	0.8	<0.2	0.8				
					Middle	4.2	0.6	115	19.1	19.1	8.0	8.0	29.9	29.9	100.5	100.5	7.8	7.8	9.0	7.8	25	25	94	94			<0.2	0.7	<0.2	0.7				
						4.2	0.6	116	19.1	19.1	8.0	8.0	29.9	29.9	100.5	100.5	7.8	7.8	9.0	7.8	25	25	94	94			<0.2	0.7	<0.2	0.7				
					Bottom	7.3	0.5	108	19.1	19.1	8.0	8.0	29.2	29.2	99.6	99.6	7.8	7.8	10.8	7.8	28	28	95	95			<0.2	0.7	<0.2	0.7				
						7.3	0.5	111	19.1	19.1	8.0	8.0	29.2	29.2	99.6	99.6	7.8	7.8	10.9	7.8	29	29	95	95			<0.2	0.8	<0.2	0.8				
IM3	Sunny	Moderate	09:01	8.4	Surface	1.0	0.5	97	19.1	19.1	8.0	8.0	29.9	29.9	100.7	100.7	7.8	7.8	9.1	7.8	19	19	92	92	819407	806028	<0.2	0.8	<0.2	0.8				
						1.0	0.5	104	19.1	19.1	8.0	8.0	29.9	29.9	100.6	100.6	7.8	7.8	9.1	7.8	19	19	91	91			<0.2	0.8	<0.2	0.8				
					Middle	4.2	0.5	73	19.1	19.1	8.0	8.0	29.7	29.7	100.3	100.3	7.8	7.8	10.7	7.8	26	26	92	92			<0.2	0.9	<0.2	0.9				
						4.2	0.6	74	19.1	19.1	8.0	8.0	29.7	29.7	100.3	100.3	7.8	7.8	10.8	7.8	25	25	93	93			<0.2	0.9	<0.2	0.9				
					Bottom	7.4	0.6	88	19.1	19.1	8.0	8.0	29.2	29.2	99.7	99.7	7.8	7.8	11.0	7.8	25	25	93	93			<0.2	0.9	<0.2	0.9				
						7.4	0.6	90	19.1	19.1	8.0	8.0	29.1	29.1	99.7	99.7	7.8	7.8	11.0	7.8	24	24	94	94			<0.2	0.9	<0.2	0.9				
IM4	Sunny	Moderate	09:11	8.0	Surface	1.0	0.5	98	19.1	19.1	8.1	8.1	30.4	30.4	101.2	101.2	7.8	7.8	9.9	7.8	17	17	92	92	819565	805051	<0.2	0.9	<0.2	0.9				
						1.0	0.5	99	19.1	19.1	8.1	8.1	30.4	30.4	101.1	101.1	7.8	7.8	9.8	7.8	15	15	92	92			<0.2	1.1	<0.2	1.1				
					Middle	4.0	0.5	86	19.1	19.1	8.1	8.1	30.4	30.4	100.6	100.6	7.8	7.8	12.9	7.8	17	17	93	93			<0.2	1.0	<0.2	1.0				
						4.0	0.5	91	19.1	19.1	8.1	8.1	30.4	30.4	100.6	100.6	7.8	7.8	13.0	7.8	18	18	93	93			<0.2	0.7	<0.2	0.7				
					Bottom	7.0	0.5	93	19.1	19.1	8.1	8.1	30.4	30.4	100.2	100.2	7.7	7.7	18.0	7.7	29	29	93	93			<0.2	0.9	<0.2	0.9				
						7.0	0.5	95	19.1	19.1	8.1	8.1	30.4	30.4	100.2	100.2	7.7	7.7	18.0	7.7	30	30	94	94			<0.2	1.0	<0.2	1.0				
IM5	Sunny	Moderate	09:18	6.9	Surface	1.0	0.6	108	19.1	19.1	8.1	8.1	30.2	30.2	101.8	101.8	7.9	7.9	10.2	7.9	21	21	93	93	820582	804922	<0.2	1.0	<0.2	1.0				
						1.0	0.6	109	19.1	19.1	8.1	8.1	30.2	30.2	101.8	101.8	7.9	7.9	10.2	7.9	20	20	93	93			<0.2							

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

**Water Quality Monitoring Results on 31 December 16 during Mid-Flood Tide**

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)							
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA	Value	DA		
IM9	Sunny	Moderate	09:19	7.2	Surface	1.0	0.4	210	19.5	19.5	8.2	8.2	30.1	30.1	102.2	102.2	7.9	7.9	5.6	6.9	13	14	86	91	822098	808793	<0.2	<0.2	0.6	0.7						
						1.0	0.4	213	19.5	8.2	8.2	30.1	30.1	102.2	102.2	7.9	7.9	5.6	6.9	14	14	86	91	822098	808793	<0.2	<0.2	0.7	0.7							
					Middle	3.6	0.3	234	19.5	19.5	8.2	8.2	30.1	30.1	101.8	101.8	7.8	7.8	7.6	7.6	7.6	6.9	14	14	92	92	822098	808793	<0.2	<0.2	0.7	0.7				
						3.6	0.3	249	19.5	19.5	8.2	8.2	30.1	30.1	101.8	101.8	7.8	7.8	7.6	7.6	7.6	6.9	14	14	92	92	822098	808793	<0.2	<0.2	0.7	0.7				
					Bottom	6.2	0.3	215	19.5	19.5	8.2	8.2	30.1	30.1	101.8	101.8	7.8	7.8	7.6	7.6	7.6	7.8	7.6	6.9	14	14	94	94	822098	808793	<0.2	<0.2	0.8	0.8		
						6.2	0.3	232	19.5	19.5	8.2	8.2	30.1	30.1	101.8	101.8	7.8	7.8	7.6	7.6	7.6	7.8	7.6	6.9	14	14	94	94	822098	808793	<0.2	<0.2	0.8	0.8		
IM10	Sunny	Moderate	09:11	8.0	Surface	1.0	0.5	293	19.3	19.3	8.2	8.2	30.2	30.2	104.4	104.4	8.1	8.1	9.5	12.7	14	13	86	90	822239	809856	<0.2	<0.2	0.5	0.5						
						1.0	0.5	315	19.3	19.3	8.2	8.2	30.2	30.2	104.4	104.4	8.1	8.1	9.5	12.7	13	13	86	90	822239	809856	<0.2	<0.2	0.5	0.5						
					Middle	4.0	0.5	296	19.2	19.2	8.2	8.2	30.2	30.2	103.7	103.7	8.0	8.0	14.3	14.3	14.3	12.7	16	16	92	92	822239	809856	<0.2	<0.2	0.6	0.6				
						4.0	0.5	304	19.2	19.2	8.2	8.2	30.2	30.2	103.7	103.7	8.0	8.0	14.3	14.3	14.3	12.7	14	14	92	92	822239	809856	<0.2	<0.2	0.5	0.5				
					Bottom	7.0	0.4	282	19.2	19.2	8.2	8.2	30.2	30.2	103.2	103.2	8.0	8.0	14.4	14.4	14.4	8.0	8.0	12.7	18	18	93	93	822239	809856	<0.2	<0.2	0.5	0.5		
						7.0	0.4	299	19.2	19.2	8.2	8.2	30.2	30.2	103.2	103.2	8.0	8.0	14.4	14.4	14.4	8.0	8.0	12.7	19	19	93	93	822239	809856	<0.2	<0.2	0.5	0.5		
IM11	Sunny	Moderate	09:03	8.1	Surface	1.0	0.5	276	19.3	19.3	8.2	8.2	30.3	30.3	102.5	102.5	7.9	7.9	11.8	18.7	17	16	88	91	821520	810544	<0.2	<0.2	0.6	0.6						
						1.0	0.5	298	19.3	19.3	8.2	8.2	30.3	30.3	102.5	102.5	7.9	7.9	11.8	18.7	16	16	87	91	821520	810544	<0.2	<0.2	0.6	0.6						
					Middle	4.1	0.5	273	19.2	19.2	8.2	8.2	30.3	30.3	102.0	102.0	7.9	7.9	16.2	16.2	16.2	18.7	24	22	93	93	821520	810544	<0.2	<0.2	0.7	0.6				
						4.1	0.6	275	19.2	19.2	8.2	8.2	30.3	30.3	102.0	102.0	7.9	7.9	16.2	16.2	16.2	18.7	22	22	93	93	821520	810544	<0.2	<0.2	0.6	0.6				
					Bottom	7.1	0.5	261	19.2	19.2	8.2	8.2	30.3	30.3	101.5	101.5	7.8	7.8	28.1	28.1	28.1	7.8	7.8	18.7	26	25	93	94	821520	810544	<0.2	<0.2	0.5	0.5		
						7.1	0.5	274	19.2	19.2	8.2	8.2	30.3	30.3	101.5	101.5	7.8	7.8	28.1	28.1	28.1	7.8	7.8	18.7	25	25	94	94	821520	810544	<0.2	<0.2	0.5	0.5		
IM12	Sunny	Moderate	08:56	8.7	Surface	1.0	0.5	271	19.2	19.2	8.2	8.2	30.4	30.4	102.3	102.3	7.9	7.9	11.4	17.0	15	16	89	92	821148	811518	<0.2	<0.2	0.5	0.5						
						1.0	0.6	292	19.2	19.2	8.2	8.2	30.4	30.4	102.3	102.3	7.9	7.9	11.4	17.0	16	16	88	92	821148	811518	<0.2	<0.2	0.6	0.6						
					Middle	4.4	0.5	268	19.2	19.2	8.2	8.2	30.4	30.4	101.9	101.9	7.9	7.9	15.9	15.9	15.9	17.0	14	16	93	92	821148	811518	<0.2	<0.2	0.5	0.5				
						4.4	0.5	284	19.2	19.2	8.2	8.2	30.4	30.4	101.9	101.9	7.9	7.9	15.9	15.9	15.9	17.0	15	16	92	92	821148	811518	<0.2	<0.2	0.5	0.5				
					Bottom	7.7	0.5	267	19.2	19.2	8.2	8.2	30.4	30.4	101.6	101.6	7.8	7.8	23.6	23.6	23.6	7.8	7.8	17.0	20	18	93	94	821148	811518	<0.2	<0.2	0.5	0.4		
						7.7	0.5	284	19.2	19.2	8.2	8.2	30.4	30.4	101.6	101.6	7.8	7.8	23.6	23.6	23.6	7.8	7.8	17.0	18	18	94	94	821148	811518	<0.2	<0.2	0.4	0.4		
SR2	Sunny	Moderate	08:24	4.2	Surface	1.0	0.2	104	19.2	19.2	8.2	8.2	30.3	30.3	101.1	101.1	7.8	7.8	9.4	11.6	13	12	90	92	821466	814174	<0.2	<0.2	0.5	0.4						
						1.0	0.2	107	19.2	19.2	8.2	8.2	30.3	30.3	101.1	101.1	7.8	7.8	9.4	11.6	12	12	89	92	821466	814174	<0.2	<0.2	0.4	0.4						
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	-	-	-	-	-	821466	814174	-	<0.2	-	-			
						2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.6	-	-	-	-	-	821466	814174	-	<0.2	-	-			
					Bottom	3.2	0.2	115	19.2	19.2	8.2	8.2	30.3	30.3	100.6	100.6	7.8	7.8	13.8	13.8	13.8	7.8	7.8	11.6	16	14	94	94	821466	814174	<0.2	<0.2	0.7	0.6		
						3.2	0.2	117	19.2	19.2	8.2	8.2	30.3	30.3	100.6	100.6	7.8	7.8	13.8	13.8	13.8	7.8	7.8	11.6	14	14	94	94	821466	814174	<0.2	<0.2	0.6	0.6		
SR3	Sunny	Moderate	09:34	9.0	Surface	1.0	0.4	182	19.6	19.6	8.2	8.2	30.0	30.0	101.4	101.4	7.8	7.8	7.7	7.9	10	10	-	-	-	-	822158	807575	-	-	-	-				
						1.0	0.4	193	19.6	19.6	8.2	8.2	30.0	30.0	101.4	101.4	7.8	7.8	7.7	7.9	10	10	-	-	-	-	-	-	822158	807575	-	-	-	-		
					Middle	4.5	0.4	154	19.6	19.6	8.2	8.2	30.0	30.0	100.9	100.9	7.7	7.7	7.7	7.7	7.7	7.9	12	12	-	-	-	-	822158	807575	-	-	-	-		
						4.5	0.4	168	19.6	19.6	8.2	8.2	30.0	30.0	100.9	100.9	7.7	7.7	7.7	7.7	7.7	7.9	14	12	-	-	-	-	822158	807575	-	-	-	-		
					Bottom	8.0	0.4	147	19.6	19.6	8.2	8.2	30.0	30.0	100.9	100.9	7.8	7.8	8.3	8.3	8.3	7.8	7.8	7.9	12	12	-	-	-	-	822158	807575	-	-	-	-
						8.0	0.4	150	19.6	19.6	8.2	8.2	30.0	30.0	100.9	100.9	7.8	7.8	8.3	8.3	8.3	7.8	7.8	7.9	13	12	-	-	-	-	822158	807575	-	-	-	-
SR4A	Sunny	Calm	08:05	8.4	Surface	1.0	0.3	207	18.8	18.8	8.1	8.1	29.7	29.7	103.7	103.7	8.1	8.1	4.5	4.9	12	12	-	-	-	-	817178	807827	-	-	-	-				
						1.0	0.3	217	18.8	18.8	8.1	8.1	29.7	29.7	103.7	103.7	8.1	8.1	4.5	4.9	12	12	-	-	-	-	-	-	817178	807827	-	-	-	-		
					Middle	4.2	0.3	207	18.8	18.8	8.0	8.0	29.4	29.4	102.6	102.6	8.0	8.0	5.2	5.2	5.2	4.9	12	12	-	-	-	-	817178	807827	-	-	-	-		
						4.2	0.3	227	18.8	18.8	8.0	8.0	29.3	29.3	102.6	102.6	8.0	8.0	5.2	5.2	5.2	4.9	12	12	-	-	-	-	817178	807827	-	-	-	-		
					Bottom	7.4	0.3	216	18.8	18.8	8.0	8.0	28.8	28.8	101.5	101.5	8.0	8.0	4.9	4.9	4.9	8.0	8.0	4.9	12	12	-	-	-	-	817178	807827	-	-	-	-
						7.4	0.3	233	18.8	18.8	8.0	8.0	28.8	28.8	101.4	101.4	8.0	8.0	4.9	4.9	4.9	8.0	8.0	4.9	12	12	-	-	-	-	817178	807827	-	-	-	-
SR5A	Sunny	Calm	07:48	4.2	Surface	1.0	0.3	257	18.8	18.8	8.0	8.0	29.2	29.2	104.8	104.8	8.2																			

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

**Water Quality Monitoring Results on 31 December 16 during Mid-Ebb tide**

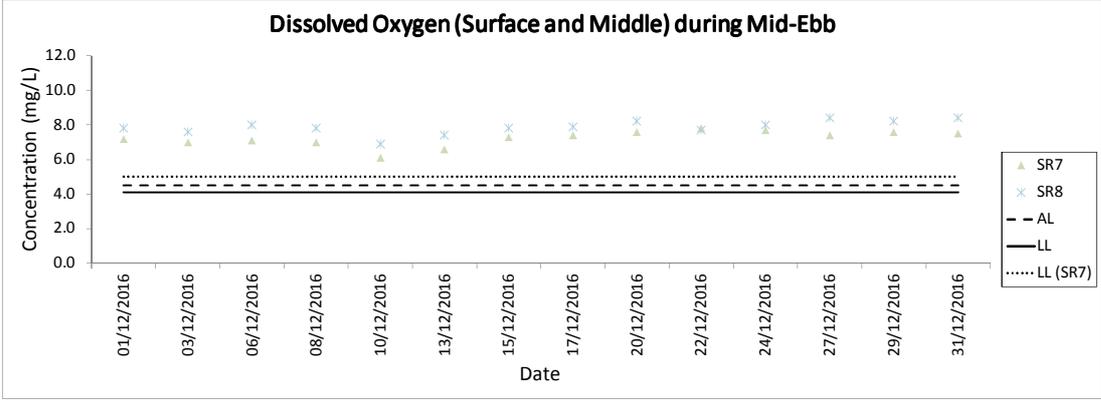
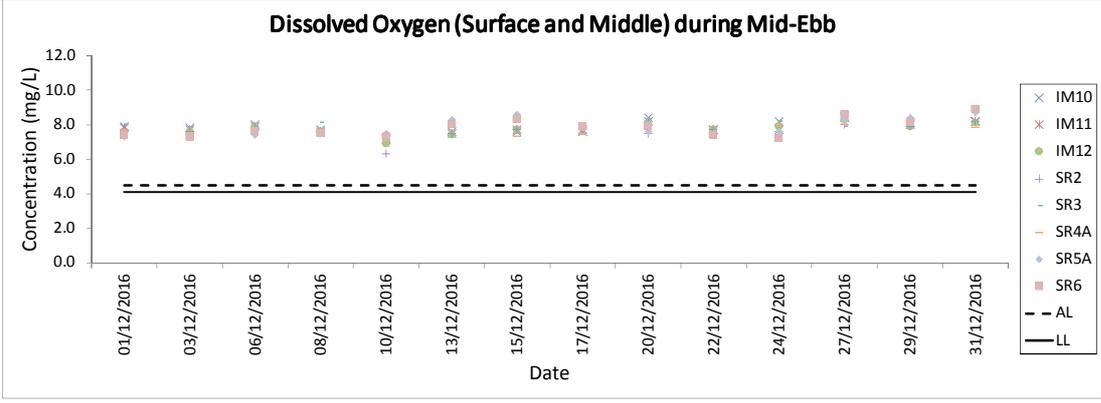
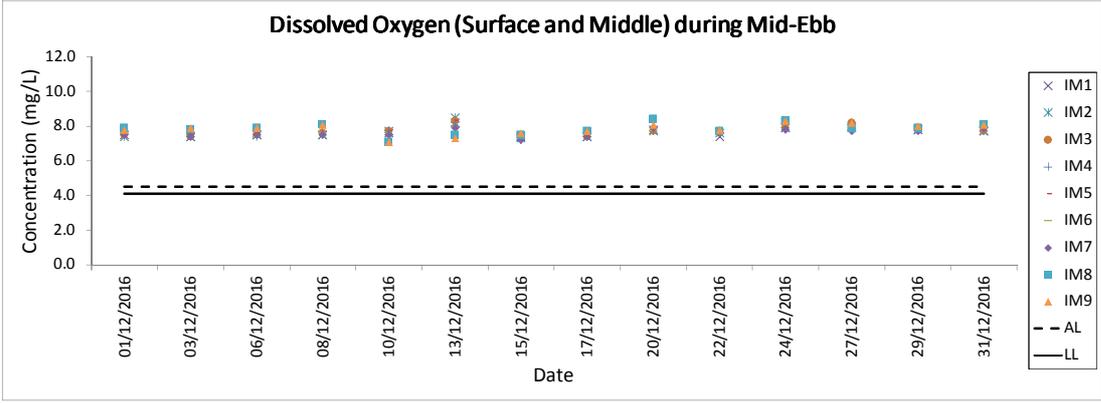
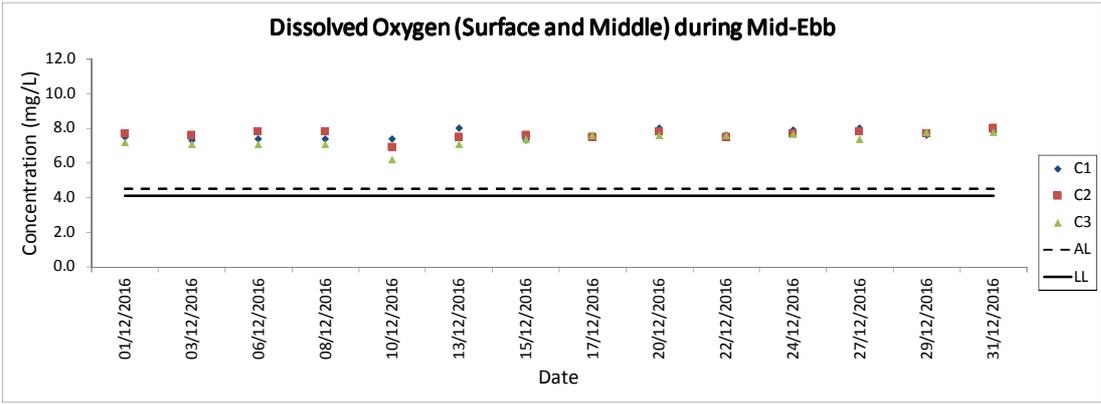
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (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	13:52	8.6	Surface	1.0	0.4	184	19.5	19.5	8.1	8.1	30.5	30.5	101.1	101.1	7.8	7.8	5.7	6.0	10	12	93	94	815605	804234	<0.2	0.4	<0.2	0.3
						1.0	0.4	196	19.5	8.1	8.1	30.5	30.5	101.1	101.1	7.8	7.8	5.7	6.0	11	12	93	94	<0.2			0.6			
					Middle	4.3	0.3	163	19.5	8.1	8.1	30.4	30.4	100.8	100.8	7.7	7.7	5.8	6.0	12	11	94	94	<0.2			0.5			
						4.3	0.3	178	19.5	8.1	8.1	30.4	30.4	100.8	100.8	7.7	7.7	5.8	6.0	11	12	94	94	<0.2			0.4			
					Bottom	7.6	0.3	176	19.4	8.0	8.0	29.5	29.5	99.3	99.3	7.7	7.7	6.4	7.7	15	14	95	95	<0.2			0.4			
						7.6	0.4	192	19.4	8.0	8.0	29.5	29.5	99.3	99.3	7.7	7.7	6.5	7.7	14	14	95	95	<0.2			0.4			
C2	Sunny	Moderate	12:51	12.2	Surface	1.0	0.2	157	19.8	19.8	8.2	8.2	29.6	29.6	104.0	104.0	8.0	8.0	5.7	7.0	8	8	84	90	825669	806961	<0.2	1.0	<0.2	1.1
						1.0	0.2	166	19.8	8.2	8.2	29.6	29.6	104.0	104.0	8.0	8.0	5.7	7.0	8	8	84	90	<0.2			1.0			
					Middle	6.1	0.2	144	19.7	8.2	8.2	29.7	29.7	102.5	102.5	7.9	7.9	7.2	7.0	8	8	91	92	<0.2			0.9			
						6.1	0.2	148	19.7	8.2	8.2	29.7	29.7	102.5	102.5	7.9	7.9	7.1	7.8	9	8	92	93	<0.2			1.0			
					Bottom	11.2	0.2	124	19.6	8.2	8.2	29.8	29.8	102.0	102.0	7.8	7.8	8.2	7.8	8	8	93	93	<0.2			1.0			
						11.2	0.2	135	19.6	8.2	8.2	29.8	29.8	102.0	102.0	7.8	7.8	8.2	7.8	8	8	93	93	<0.2			1.0			
C3	Sunny	Moderate	14:38	12.5	Surface	1.0	0.4	110	20.1	20.1	8.2	8.2	30.3	30.3	102.0	102.0	7.8	7.8	4.2	4.0	4	7	89	92	822106	817794	<0.2	0.5	<0.2	0.6
						1.0	0.4	110	20.1	8.2	8.2	30.3	30.3	102.0	102.0	7.8	7.8	4.2	4.0	6	7	90	92	<0.2			0.5			
					Middle	6.3	0.4	112	20.1	8.2	8.2	30.3	30.3	101.3	101.3	7.7	7.7	3.8	4.0	8	8	92	92	<0.2			0.3			
						6.3	0.4	116	20.1	8.2	8.2	30.3	30.3	101.3	101.3	7.7	7.7	3.8	4.0	8	7	92	92	<0.2			0.4			
					Bottom	11.5	0.3	105	20.0	8.2	8.2	30.3	30.3	101.0	101.0	7.7	7.7	4.1	7.7	7	7	95	94	<0.2			0.4			
						11.5	0.4	108	20.0	8.2	8.2	30.3	30.3	101.0	101.0	7.7	7.7	4.1	7.7	7	7	94	94	<0.2			0.4			
IM1	Sunny	Moderate	13:31	7.6	Surface	1.0	0.3	142	19.5	19.5	8.1	8.1	30.8	30.8	101.2	101.2	7.7	7.7	6.0	6.2	11	11	92	92	818359	806464	<0.2	0.5	<0.2	0.4
						1.0	0.3	147	19.5	8.1	8.1	30.8	30.8	101.2	101.2	7.7	7.7	6.1	6.2	11	11	92	92	<0.2			0.5			
					Middle	3.8	0.3	150	19.4	8.1	8.1	30.8	30.8	100.7	100.7	7.7	7.7	6.2	6.2	11	11	92	92	<0.2			0.4			
						3.8	0.3	161	19.4	8.1	8.1	30.8	30.8	100.7	100.7	7.7	7.7	6.3	6.2	11	11	92	92	<0.2			0.5			
					Bottom	6.6	0.3	165	19.3	8.1	8.1	30.8	30.8	100.8	100.8	7.8	7.8	6.1	7.8	11	11	93	93	<0.2			0.4			
						6.6	0.3	177	19.3	8.1	8.1	30.8	30.8	100.8	100.8	7.7	7.7	6.2	7.8	12	12	93	93	<0.2			0.4			
IM2	Sunny	Moderate	13:23	8.4	Surface	1.0	0.4	142	19.5	19.5	8.1	8.1	30.6	30.6	100.6	100.6	7.7	7.7	6.7	7.5	12	13	94	94	818841	806205	<0.2	0.4	<0.2	0.3
						1.0	0.4	151	19.5	8.1	8.1	30.6	30.6	100.6	100.6	7.7	7.7	6.7	7.5	11	13	93	94	<0.2			0.4			
					Middle	4.2	0.3	159	19.4	8.1	8.1	30.3	30.3	99.4	99.4	7.6	7.6	7.7	7.6	12	13	94	94	<0.2			0.4			
						4.2	0.3	167	19.4	8.1	8.1	30.3	30.3	99.3	99.3	7.6	7.6	7.6	7.6	12	13	94	94	<0.2			0.4			
					Bottom	7.4	0.3	157	19.3	8.0	8.0	29.8	29.8	98.9	98.9	7.6	7.6	8.2	7.6	14	14	95	94	<0.2			0.4			
						7.4	0.3	165	19.3	8.0	8.0	29.7	29.8	99.0	99.0	7.6	7.6	8.0	7.6	14	14	94	94	<0.2			0.3			
IM3	Sunny	Moderate	13:16	8.7	Surface	1.0	0.3	130	19.4	19.4	8.1	8.1	30.6	30.6	100.6	100.6	7.7	7.7	6.9	7.7	10	13	92	93	819430	806007	<0.2	0.3	<0.2	0.4
						1.0	0.3	140	19.4	8.1	8.1	30.6	30.6	100.6	100.6	7.7	7.7	6.9	7.7	12	13	92	93	<0.2			0.4			
					Middle	4.4	0.3	143	19.3	8.1	8.1	30.5	30.5	99.5	99.5	7.6	7.6	8.4	7.7	13	13	93	94	<0.2			0.4			
						4.4	0.4	151	19.3	8.1	8.1	30.5	30.5	99.5	99.5	7.6	7.6	8.4	7.7	14	13	94	94	<0.2			0.4			
					Bottom	7.7	0.3	151	19.3	8.0	8.0	30.0	30.0	99.3	99.3	7.7	7.7	7.9	7.7	15	16	94	95	<0.2			0.3			
						7.7	0.3	164	19.3	8.0	8.0	30.0	30.0	99.3	99.3	7.7	7.7	7.9	7.7	16	16	95	95	<0.2			0.3			
IM4	Sunny	Moderate	13:08	8.2	Surface	1.0	0.4	125	19.5	19.5	8.1	8.1	30.6	30.6	100.3	100.3	7.7	7.7	8.1	9.9	13	16	92	93	819550	805050	<0.2	0.4	<0.2	0.3
						1.0	0.4	136	19.5	8.1	8.1	30.6	30.6	100.3	100.3	7.7	7.7	8.2	9.9	13	16	93	94	<0.2			0.3			
					Middle	4.1	0.3	135	19.4	8.0	8.0	30.4	30.4	99.0	99.0	7.6	7.6	10.1	7.6	17	16	94	94	<0.2			0.4			
						4.1	0.4	135	19.4	8.0	8.0	30.4	30.4	99.0	99.0	7.6	7.6	10.1	7.6	17	16	93	94	<0.2			0.4			
					Bottom	7.2	0.3	148	19.3	8.0	8.0	29.9	29.9	98.8	98.8	7.6	7.6	11.7	7.6	16	18	94	94	<0.2			0.4			
						7.2	0.3	160	19.3	8.0	8.0	29.9	29.9	98.8	98.8	7.6	7.6	11.4	7.6	18	18	94	94	<0.2			0.3			
IM5	Sunny	Moderate	13:01	7.2	Surface	1.0	0.3	146	19.4	19.4	8.1	8.1	30.5	30.5	103.8	103.8	8.0	7.9	5.2	8.1	10	12	92	93	820545	804913	<0.2	0.3	<0.2	0.4
						1.0	0.3	148	19.4	8.1	8.1	30.5	30.5	103.8	103.8	8.0	7.9	5.2	8.1	9	12	93	94	<0.2			0.4			
					Middle	3.6	0.3	138	19.2	8.1	8.1	30.3	30.3	100.7	100.7	7.8	7.8	8.7	7.8	11	11	93	94	<0.2			0.4			
						3.6	0.3	149	19.2	8.0	8.1	30.3	30.3	100.7	100.7	7.8	7.8	8.8	7.8	11	12	94	94	<0.2			0.4			
					Bottom	6.2	0.3	154	19.2	8.0	8.0	30.0	30.0	100.1	100.1	7.8	7.8	10.4	7.8	13	15	94	94	<0.2			0.4			
						6.2	0.3	166	19.2	8.0	8.0	30.0	30.0	100.1	100.1	7.8	7.8	10.4	7.8	15	15	94	94	<0.2			0.3			
IM6	Sunny	Moderate	12:53	6.8	Surface	1.0	0.4	121	19.2	19.2	8.0	8.0	30.2	30.2	102.4	102.4	7.9	7.9	5.8	6.5	9	12	93	94	821064	805825	<0.2	0.5	<0.2	0.3
						1.0	0.4	128	19.2	8.0	8.0	30.2	30.2	102.3	102.3	7.9	7.9	5.9	6.5	7	12	93	94	<0.2			0.4			
					Middle	3.4	0.3	119	19.1	8.0	8.0	30.0	30.0	100.9	100.9	7.8	7.8	6.5	6.5	11	12	94	94	<0.2			0.4			
						3.4	0.4	125	19.1	8.0	8.0	29.9	29.9	100.9	100.9	7.8	7.8	6.6	6.5	12	12	94	94	<0.2			0.4			
					Bottom	5.8	0.3	116	19.1	8.0	8.0	29.4	29.4	100.1	100.1	7.8	7.8	7.1	7.8	14	16	95	95	<0.2			0.5			
						5.8	0.4	121	19.1	8.0	8.0	29.4	29.4	100.1	100.1	7.8	7.8	7.0	7.8	16	16	95	95	<0.2			0.4			
IM7	Sunny	Moderate	12:45	8.6	Surface	1.0	0.3	106																						

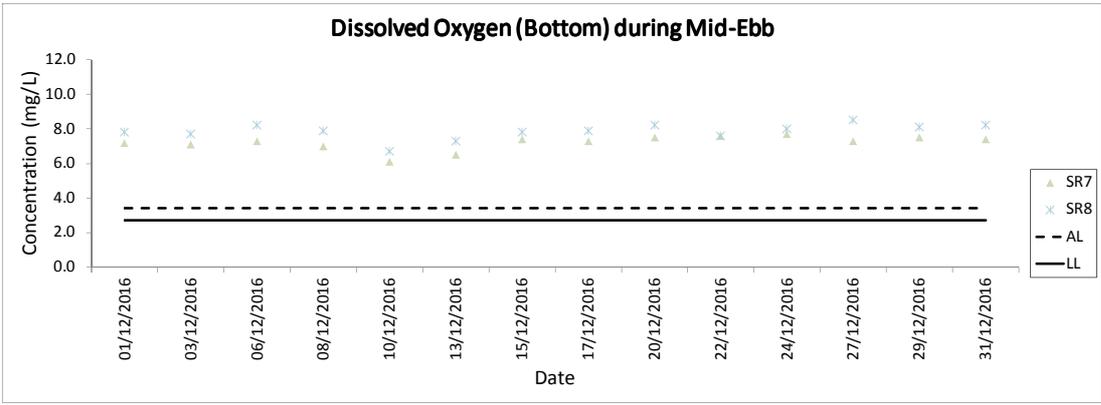
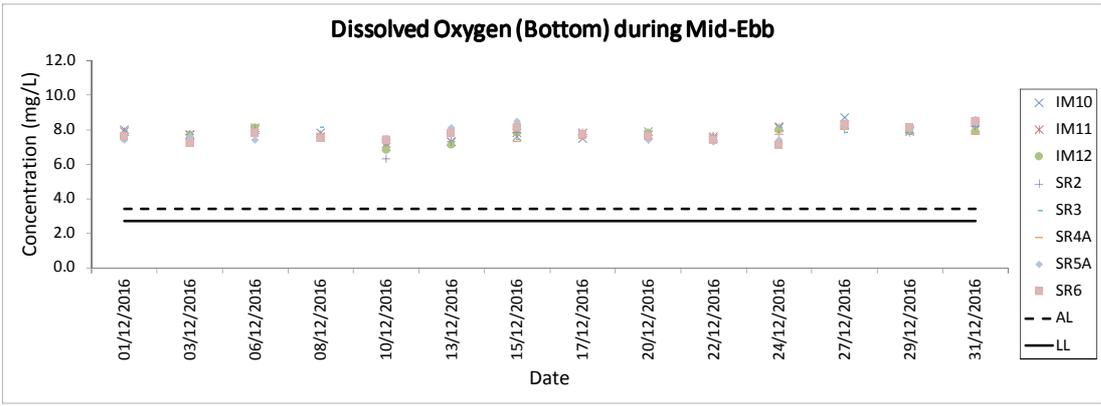
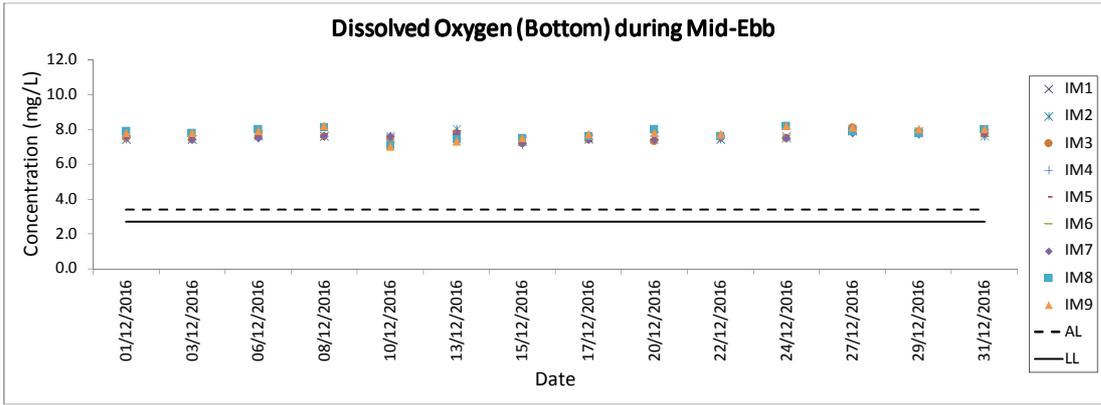
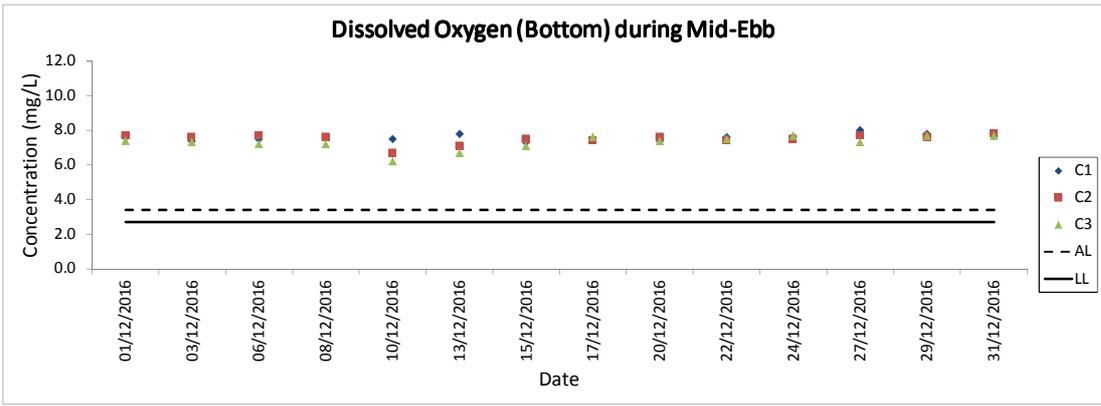
**Expansion of Hong Kong International Airport into a Three-Runway System  
Water Quality Monitoring**

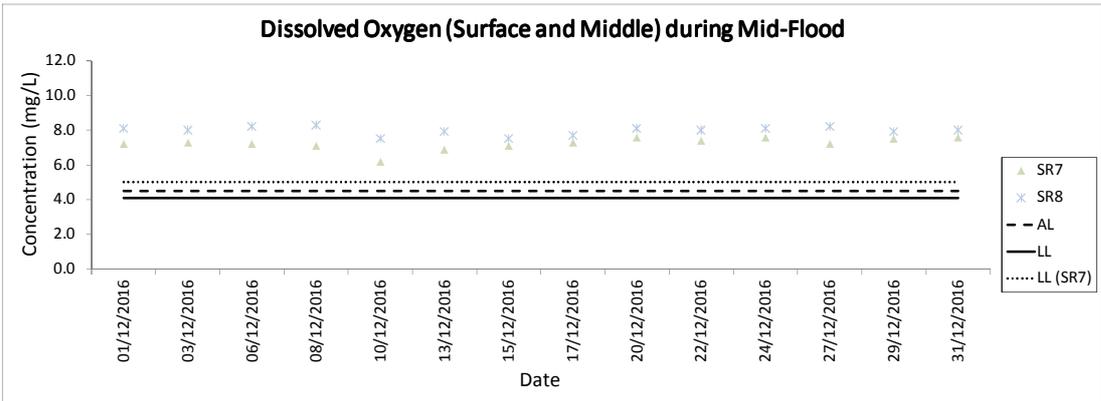
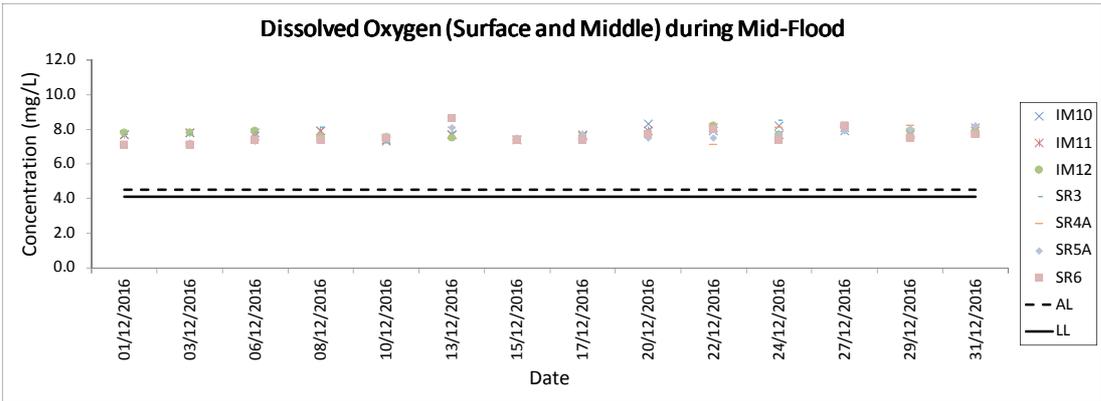
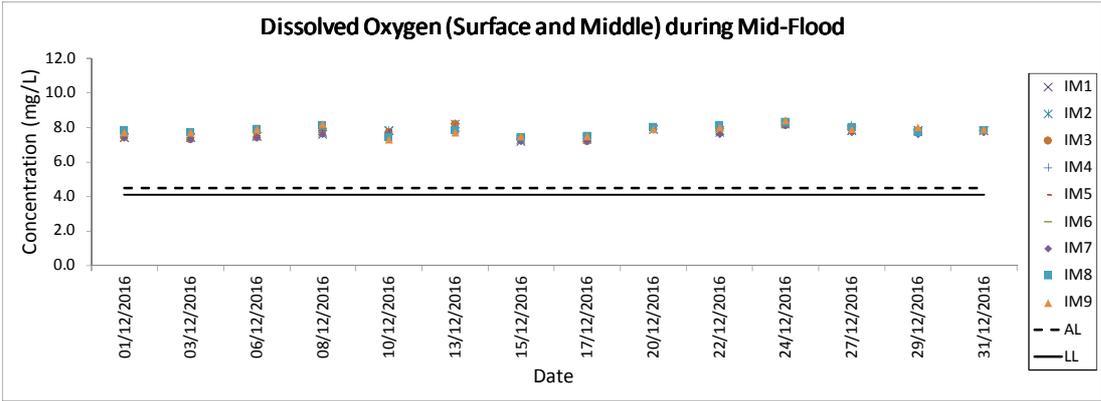
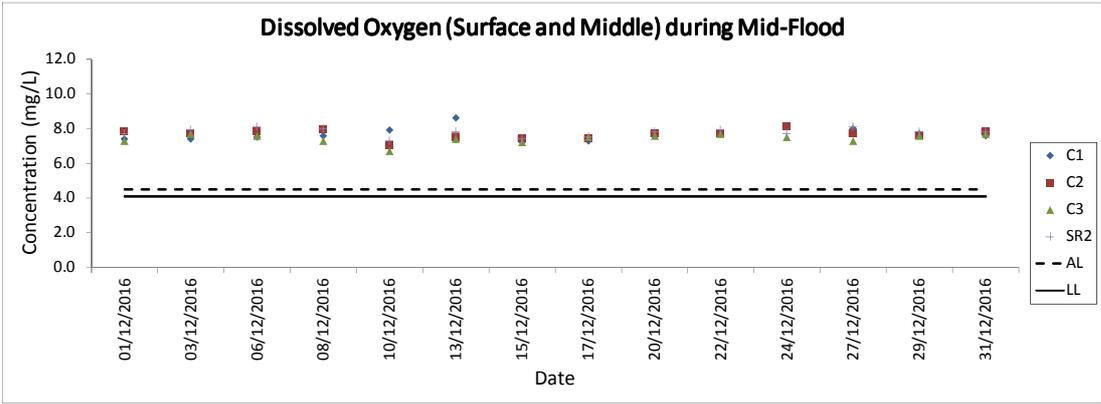
**Water Quality Monitoring Results on 31 December 16 during Mid-Ebb tide**

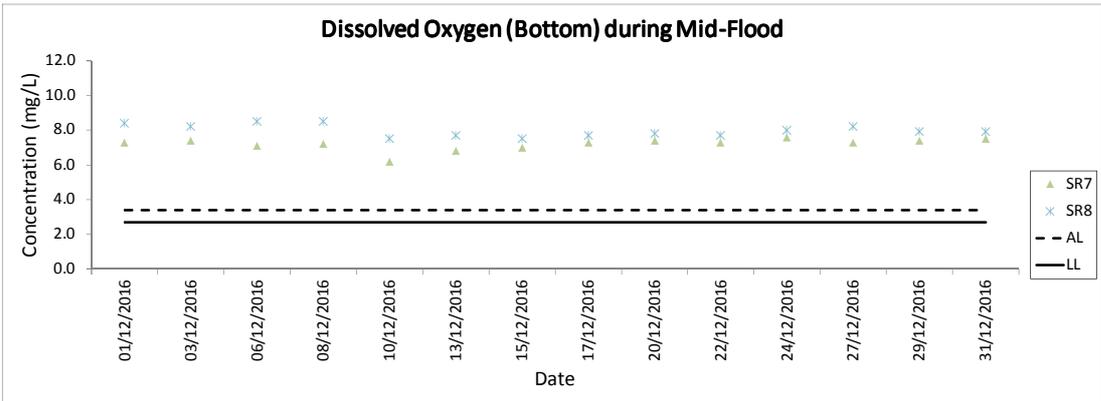
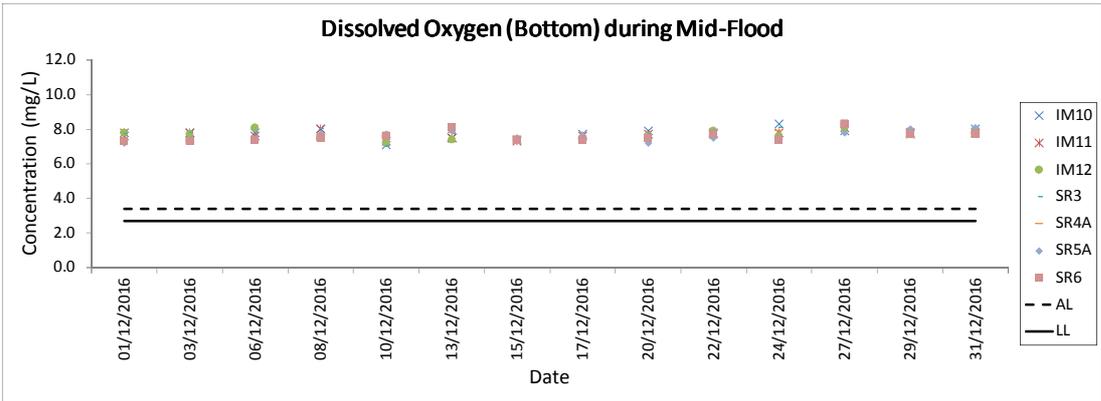
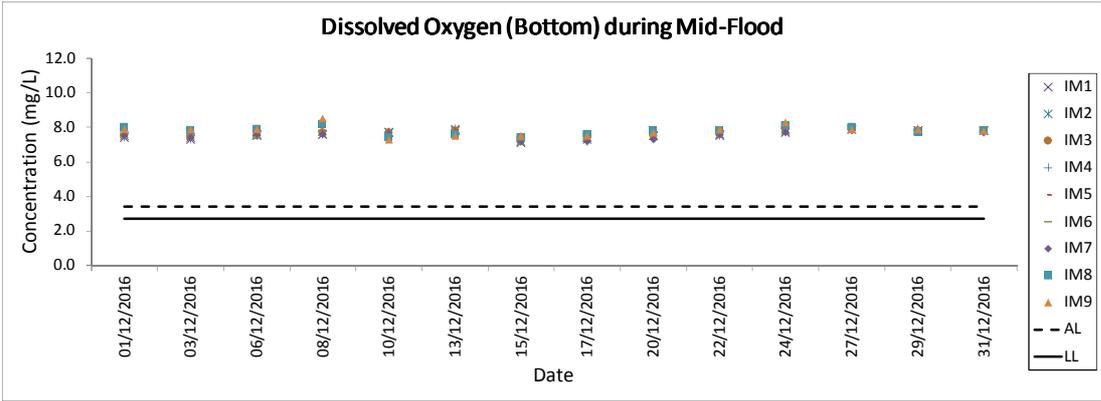
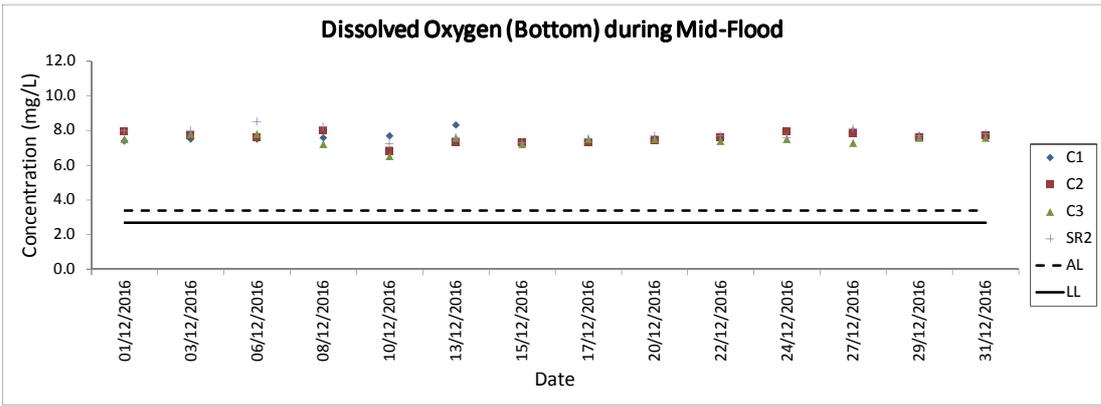
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity (NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)					
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA	Value	DA		
IM9	Sunny	Moderate	13:34	7.4	Surface	1.0	0.5	103	19.3	19.3	8.2	8.2	30.0	30.0	105.4	105.4	8.1	8.1	6.9	6.9	8	9	85	90	822082	808805	<0.2	<0.2	0.6	0.7				
						1.0	0.5	106	19.3	8.2	8.2	30.0	30.0	105.4	105.4	8.1	6.9		86		<0.2		0.7											
						3.7	0.5	92	19.3	8.2	8.2	30.0	30.0	104.5	104.5	8.1	6.7		92		<0.2		0.6											
					3.7	0.5	96	19.3	8.2	8.2	30.0	30.0	104.5	104.5	8.1	6.7	9	92	<0.2	0.8														
					6.4	0.4	113	19.3	8.2	8.2	30.0	30.0	103.7	103.7	8.0	7.0	8	93	<0.2	0.6														
					6.4	0.4	118	19.3	8.2	8.2	30.0	30.0	103.7	103.7	8.0	7.0	9	93	<0.2	0.6														
IM10	Sunny	Moderate	13:41	7.6	Surface	1.0	0.5	132	19.6	19.6	8.2	8.2	30.1	30.1	106.8	106.7	8.2	8.2	5.7	6.2	7	8	86	822232	809852	<0.2	<0.2	0.6	0.6					
						1.0	0.5	142	19.6	8.2	8.2	30.1	30.1	106.6	106.7	8.2	5.8		7		87		<0.2			0.7								
						3.8	0.5	126	19.4	8.2	8.2	30.1	30.1	105.0	105.0	8.1	6.4		8		91		<0.2			0.6								
					3.8	0.6	133	19.4	8.2	8.2	30.1	30.1	105.0	105.0	8.1	6.4	8	91	<0.2	0.6														
					6.6	0.4	130	19.3	8.2	8.2	30.2	30.2	103.5	103.5	8.0	6.5	8	94	<0.2	0.6														
					6.6	0.5	131	19.3	8.2	8.2	30.2	30.2	103.5	103.5	8.0	6.5	8	93	<0.2	0.6														
IM11	Sunny	Moderate	13:49	8.5	Surface	1.0	0.6	108	19.5	19.5	8.3	8.3	30.1	30.1	106.9	106.9	8.2	8.2	7.8	7.2	11	10	87	821492	810544	<0.2	<0.2	0.6	0.6					
						1.0	0.7	114	19.5	8.3	8.3	30.1	30.1	106.9	106.9	8.2	7.8		11		87		<0.2			0.7								
						4.3	0.5	99	19.4	8.2	8.2	30.2	30.2	106.0	106.0	8.2	6.7		10		92		<0.2			0.6								
					4.3	0.5	107	19.4	8.2	8.2	30.2	30.2	106.0	106.0	8.2	6.8	10	92	<0.2	0.6														
					7.5	0.5	100	19.4	8.2	8.2	30.2	30.2	105.0	105.1	8.1	7.1	10	94	<0.2	0.7														
					7.5	0.5	109	19.4	8.2	8.2	30.2	30.2	105.1	105.1	8.1	7.0	10	93	<0.2	0.6														
IM12	Sunny	Moderate	13:56	9.0	Surface	1.0	0.6	112	19.7	19.7	8.3	8.3	30.3	30.3	107.0	107.0	8.2	8.1	4.2	5.0	5	7	88	821163	811520	<0.2	<0.2	0.4	0.5					
						1.0	0.6	113	19.7	8.3	8.3	30.3	30.3	107.0	107.0	8.2	4.2		4		88		<0.2			0.4								
						4.5	0.4	108	19.5	8.3	8.3	30.3	30.3	104.7	104.7	8.0	4.6		9		92		<0.2			0.5								
					4.5	0.4	113	19.5	8.3	8.3	30.3	30.3	104.7	104.7	8.0	4.6	7	92	<0.2	0.5														
					8.0	0.4	111	19.4	8.2	8.2	30.3	30.3	102.5	102.5	7.9	6.0	8	94	<0.2	0.5														
					8.0	0.4	111	19.4	8.2	8.2	30.3	30.3	102.5	102.5	7.9	6.1	7	94	<0.2	0.5														
SR2	Sunny	Moderate	14:19	3.8	Surface	1.0	0.3	93	19.8	19.8	8.2	8.2	30.3	30.3	107.8	107.8	8.2	8.2	4.4	4.2	4	6	89	821443	814169	<0.2	<0.2	0.5	0.5					
						1.0	0.3	95	19.8	8.2	8.2	30.3	30.3	107.8	107.8	8.2	4.4		5		89		<0.2			0.6								
						1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-			-		-		-	-	-	-	-
					1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-			-		-		-	-	-	-	-
					2.8	0.3	102	19.8	8.2	8.2	30.3	30.3	107.1	107.1	8.2	3.9	8	94	<0.2	0.6														
					2.8	0.3	111	19.8	8.2	8.2	30.3	30.3	107.1	107.1	8.2	3.9	7	94	<0.2	0.4														
SR3	Sunny	Moderate	13:21	9.1	Surface	1.0	0.5	93	19.4	19.4	8.2	8.2	30.1	30.1	106.7	106.7	8.2	8.2	8.4	10.7	11	13	-	822131	807588	-	-	-	-					
						1.0	0.5	102	19.4	8.2	8.2	30.1	30.1	106.7	106.7	8.2	8.4		10		-		-											
						4.6	0.5	92	19.4	8.2	8.2	30.1	30.1	105.7	105.7	8.2	9.4		14		-		-											
					4.6	0.5	92	19.4	8.2	8.2	30.1	30.1	105.7	105.7	8.2	9.4	15	-	-															
					8.1	0.4	87	19.3	8.2	8.2	30.1	30.1	104.8	104.8	8.1	14.2	13	-	-															
					8.1	0.4	91	19.3	8.2	8.2	30.1	30.1	104.8	104.8	8.1	14.2	13	-	-															
SR4A	Sunny	Moderate	14:14	9.3	Surface	1.0	0.4	128	19.3	19.3	8.1	8.1	30.5	30.5	102.0	102.0	7.8	7.8	4.9	5.2	10	13	-	817175	807826	-	-	-	-					
						1.0	0.4	130	19.3	8.1	8.1	30.5	30.5	102.0	102.0	7.8	4.9		11		-		-											
						4.7	0.3	120	19.3	8.1	8.1	30.3	30.3	100.9	100.9	7.8	5.2		14		-		-											
					4.7	0.4	122	19.3	8.1	8.1	30.3	30.3	100.8	100.8	7.8	5.2	13	-	-															
					8.3	0.3	112	19.2	8.0	8.0	29.8	29.8	99.4	99.4	7.7	5.6	14	-	-															
					8.3	0.3	117	19.2	8.0	8.0	29.8	29.8	99.4	99.4	7.7	5.6	14	-	-															
SR5A	Sunny	Calm	14:31	4.7	Surface	1.0	0.2	170	19.3	19.3	8.1	8.1	29.8	29.8	112.4	112.3	8.7	8.7	3.5	3.7	11	11	-	816579	810704	-	-	-	-					
						1.0	0.2	173	19.3	8.1	8.1	29.8	29.8	112.2	112.2	8.7	3.5		10		-		-											
						2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-			-								
					2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
					3.7	0.2	165	19.0	8.1	8.1	29.6	29.6	110.0	110.0	8.6	3.9	11	-	-															
					3.7	0.2	166	19.0	8.1	8.1	29.6	29.6	110.0	110.0	8.6	3.9	11	-	-															
SR6	Sunny	Calm	14:53	3.8	Surface	1.0	0.2	97	19.9	19.9	8.1	8.1	29.5	29.5	116.7	116.6	8.9	8.9	2.8	2.7	11	10	-	817890	814662	-	-	-	-					
						1.0	0.2	104	19.9	8.1	8.1	29.5	29.5	116.5	116.6	8.9	2.8		10		-		-											
						1.9	-	-	-	-	-	-	-	-	-	-	-		-		-		-			-								
					1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
					2.8	0.2	92	19.9	8.1	8.1	29.1	29.1	110.3	110.3	8.5	2.6	10	-	-															
					2.8	0.2	100	19.9	8.1	8.1	29.1	29.1	110.3	110.3	8.5	2.6	10	-	-															
SR7	Sunny	Moderate	15:08	16.5	Surface	1.0	0.2	116	20.2	20.2	8.2	8.2	30.3	30.3	99.4	99.4	7.5	7.5	2.9	3.5	6	7	-	823637	823733	-	-	-	-					
						1.0	0.2	127	20.2	8.2	8.2	30.3	30.3	99.4	99.4	7.5	2.9		6		-		-											
						8.3	0.2	134	20.1	8.2	8.2	30.3	30.3	98.1	98.1	7.4	3.8		6		-		-											
					8.3	0.3	140	20.1	8.2	8.2	30.3	30.3	98.1	98.1	7.4	3.8	7	-	-															
					15.5	0.2	141	20.1	8.2	8.2	30.3	30.3	97.9	97.9	7.4	3.8	10	-	-															
					15.5	0.2	145	20.1	8.2	8.2	30.3	30.3	97.9	97.9	7.4	3.8	9	-	-															
SR8	Sunny	Moderate	14:03	5.5	Surface	1.0	0.3	174.0	19.6	19.6	8.3	8.3	30.2	30.2	109.3	109.3	8.4	8.4	6.0	6.6	10	12	-	820397	811588	-	-	-	-					
						1.0	0.3	185.0	19.6	8.3	8.3	30.2	30.2	109.2	109.3	8.4	6.0		10		-		-											
						2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-			-								
					2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-														
					4.5	0.3	189.0	19.5	8.3	8.3	30.2	30.2	107.2	107.2	8.2	7.1	14	-	-															
					4.5	0.4	202.0	19.5	8.3	8.3	30.2	30.2	107.2	107.2	8.2	7.2	13	-	-															

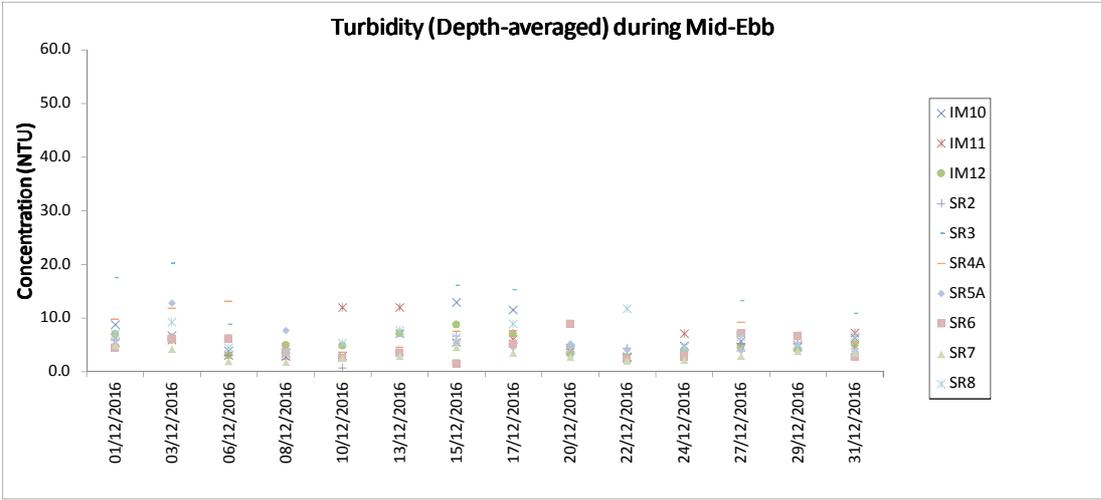
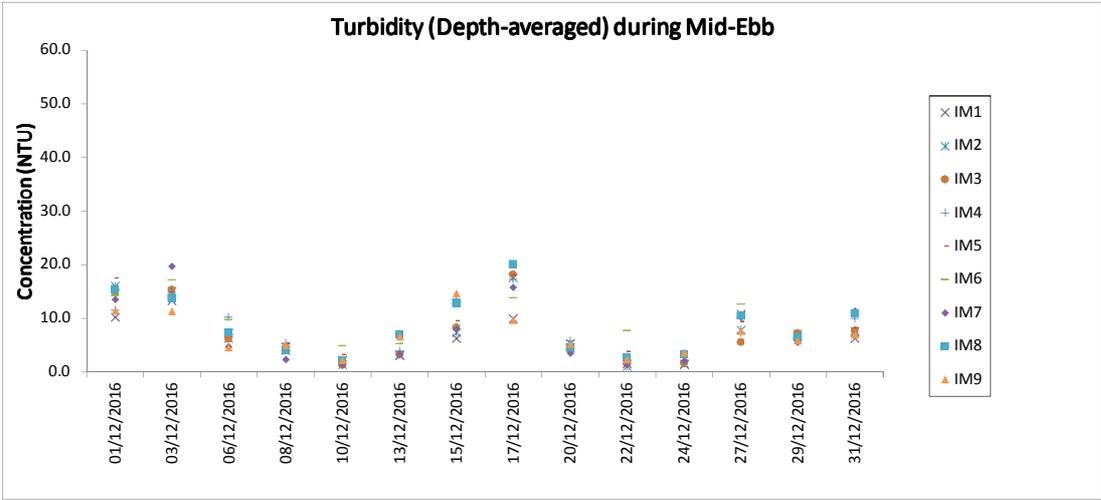
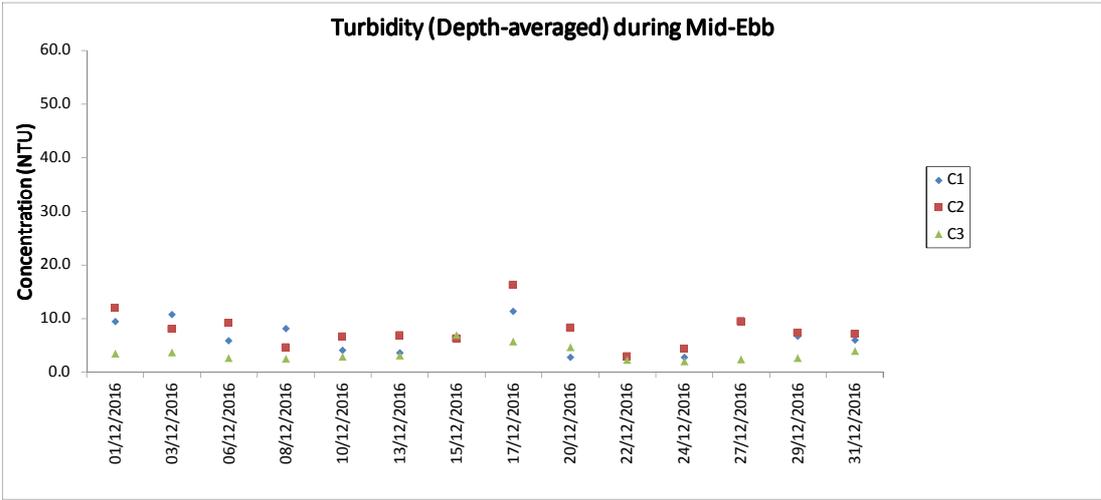
DA: Depth-Averaged  
Calm: Small or no wave; Moderate: Between calm and rough; Rough: White capped or rougher  
Value exceeding Action Level is underlined; Value exceeding Limit Level is bolded and underlined



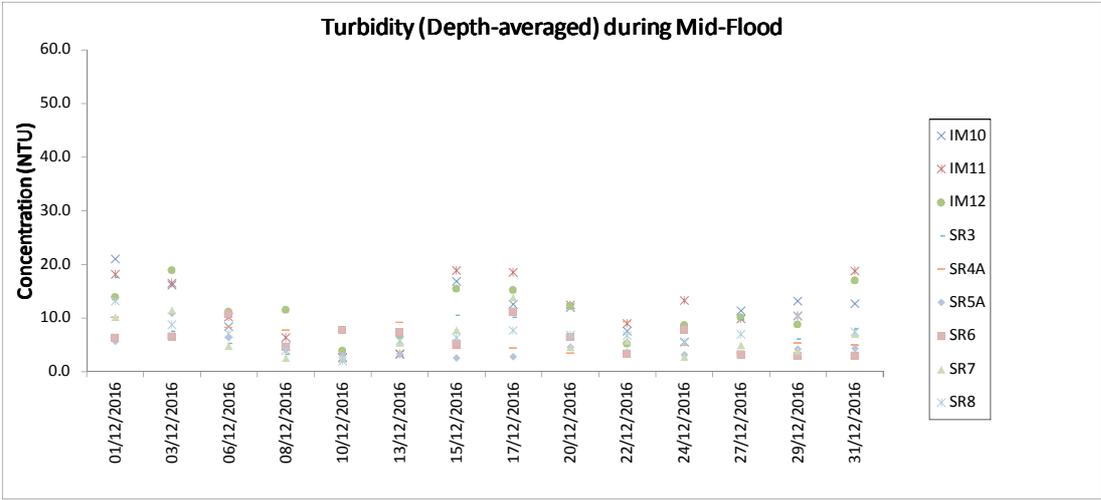
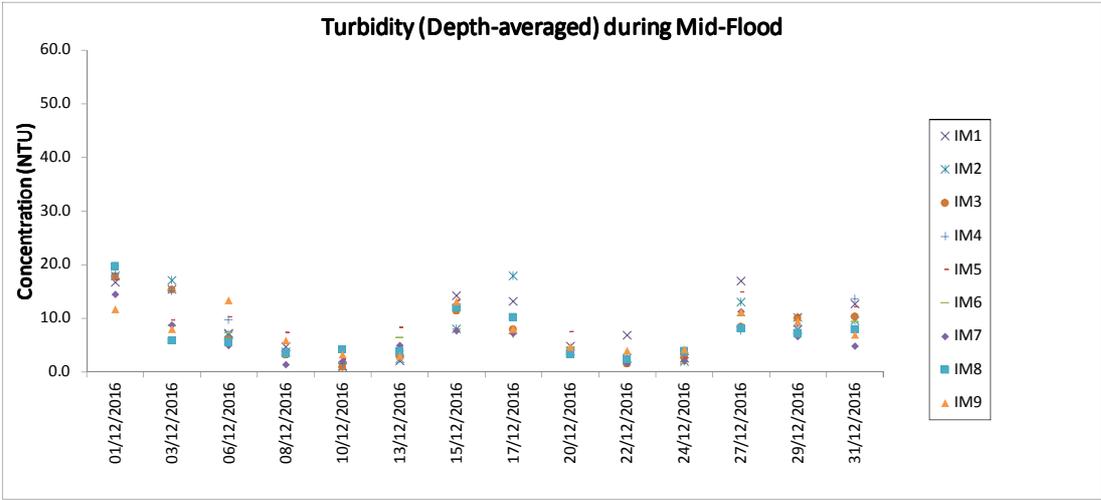
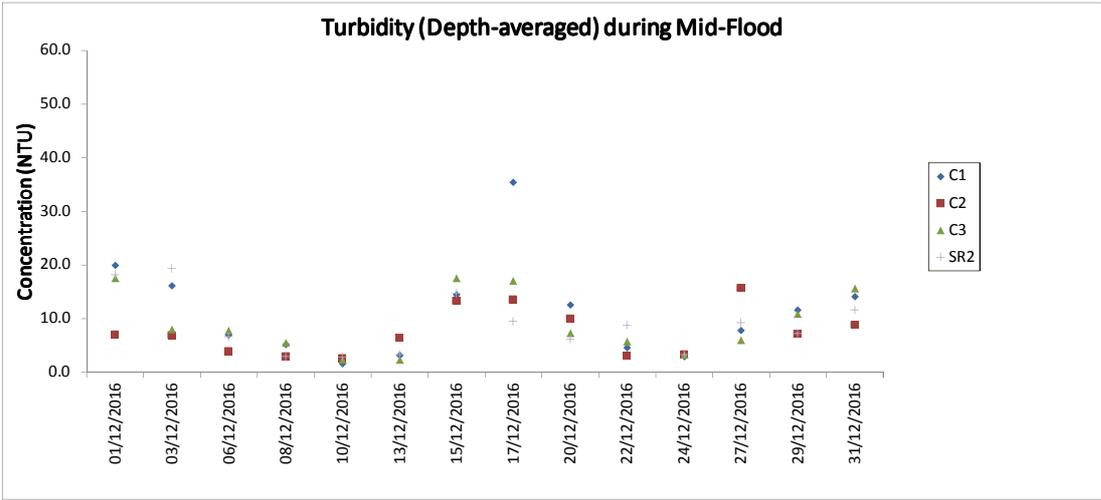




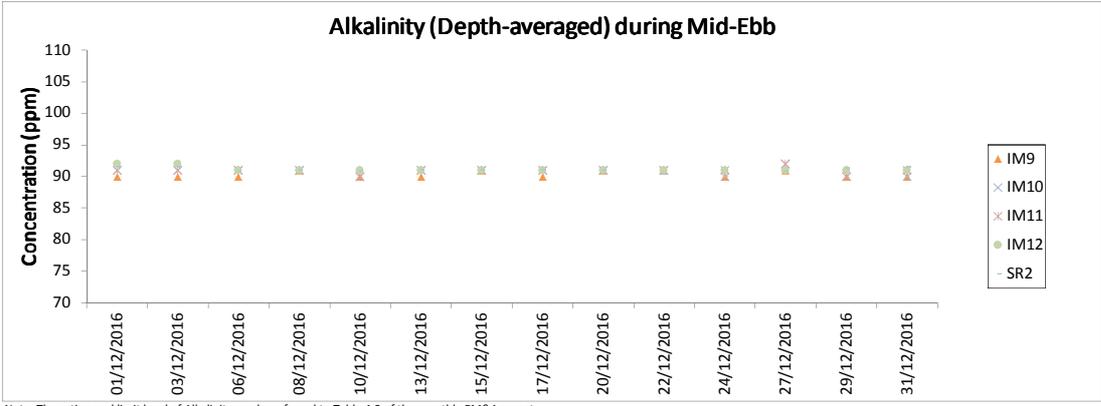
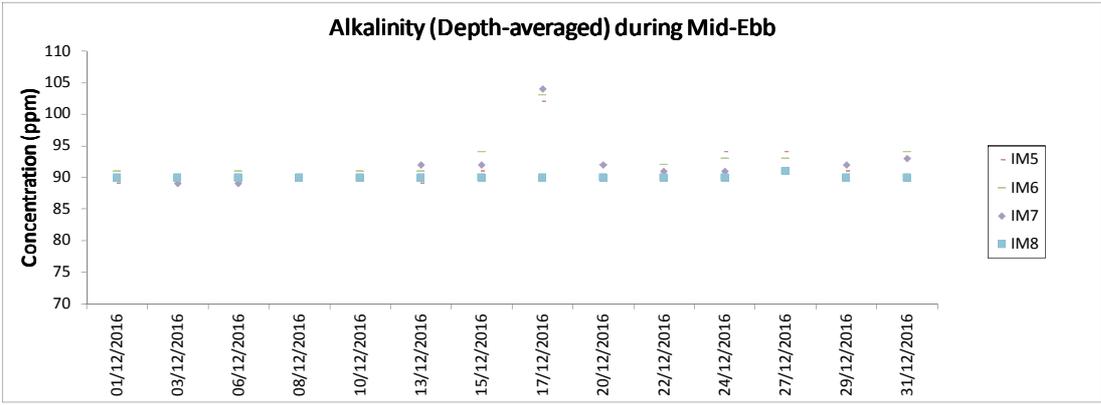
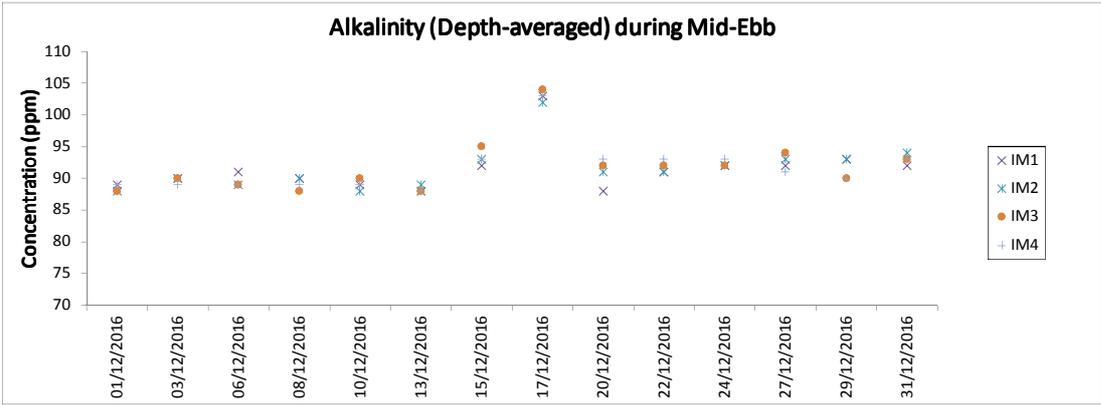
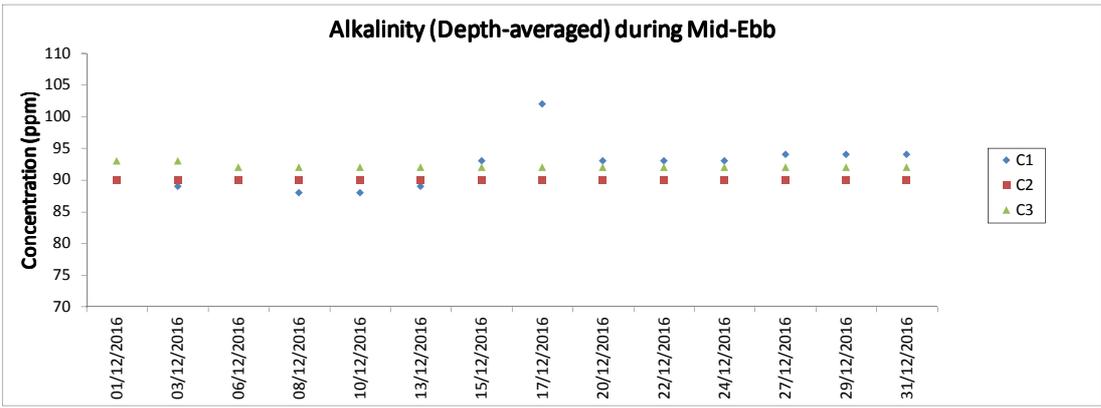




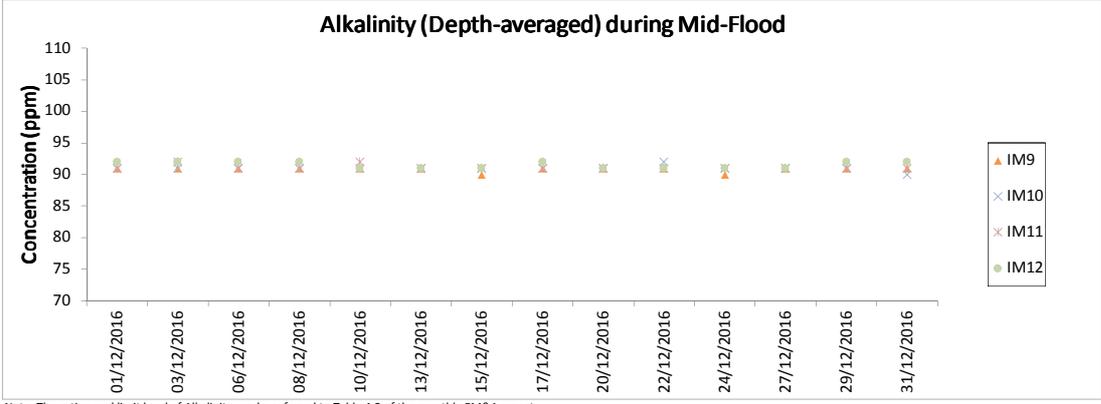
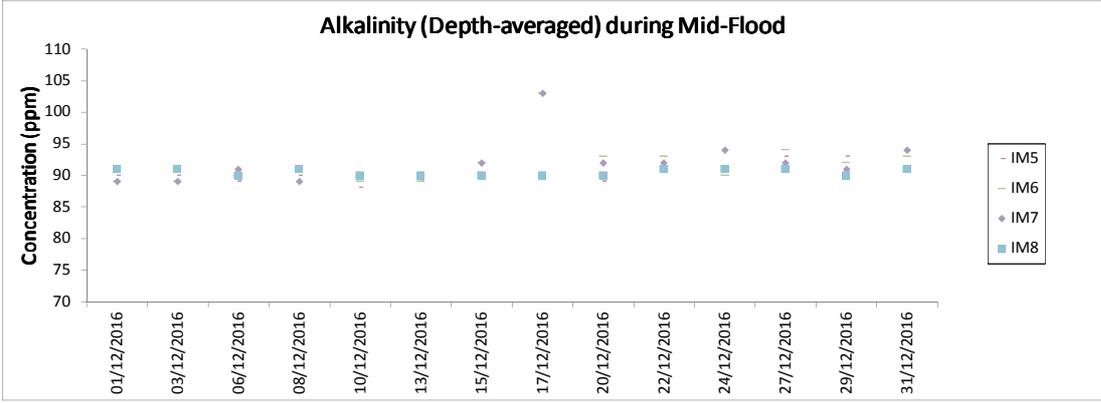
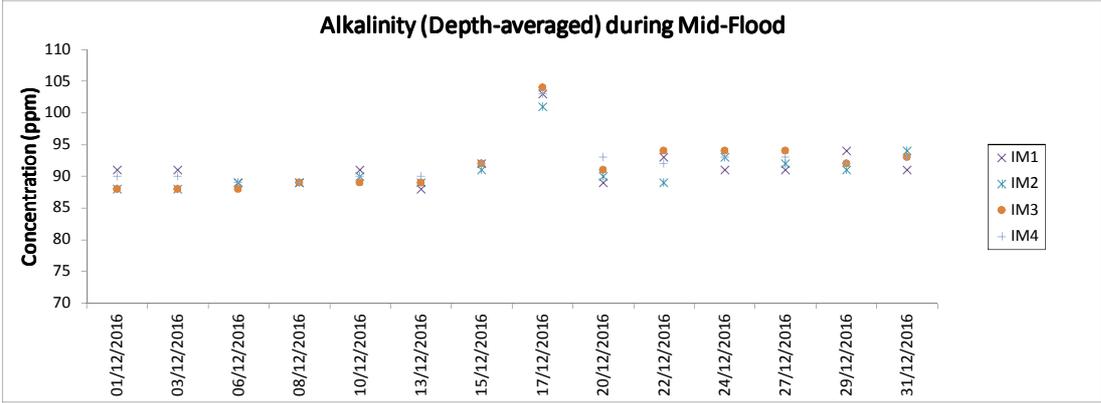
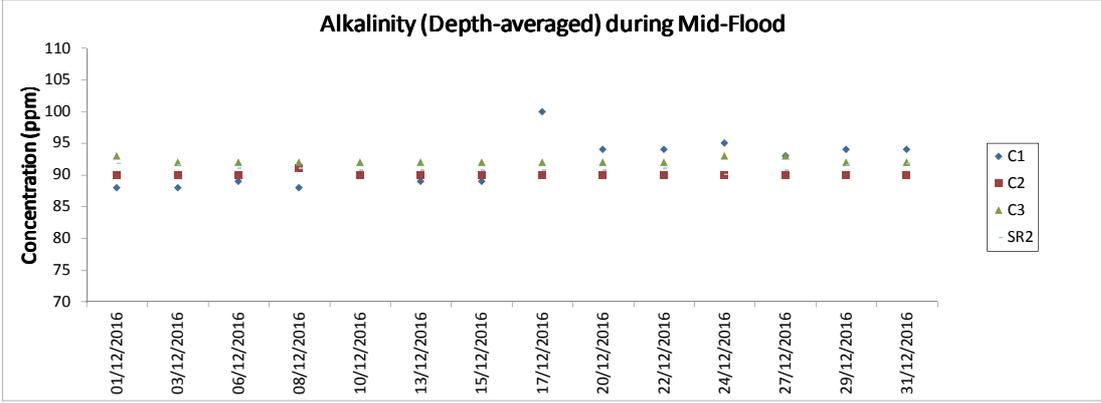
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



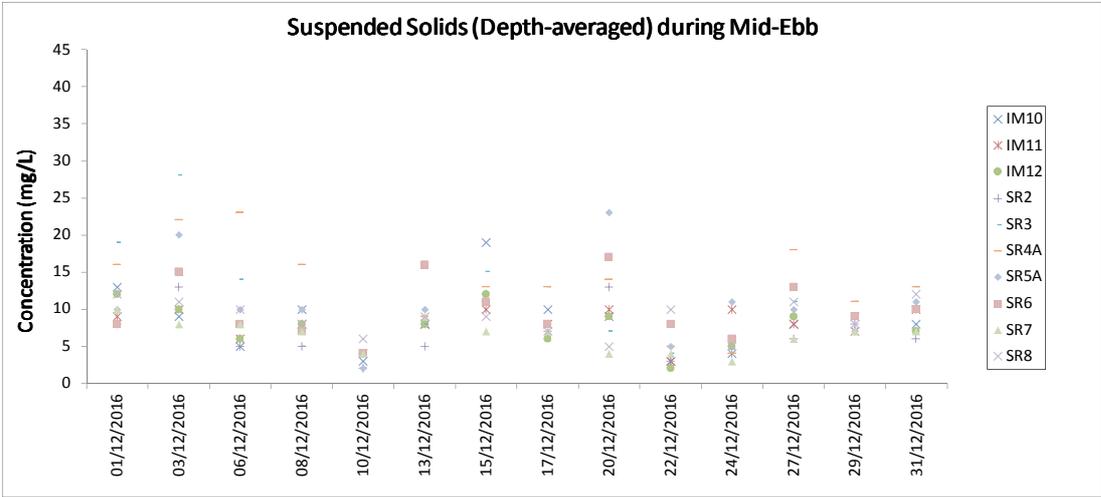
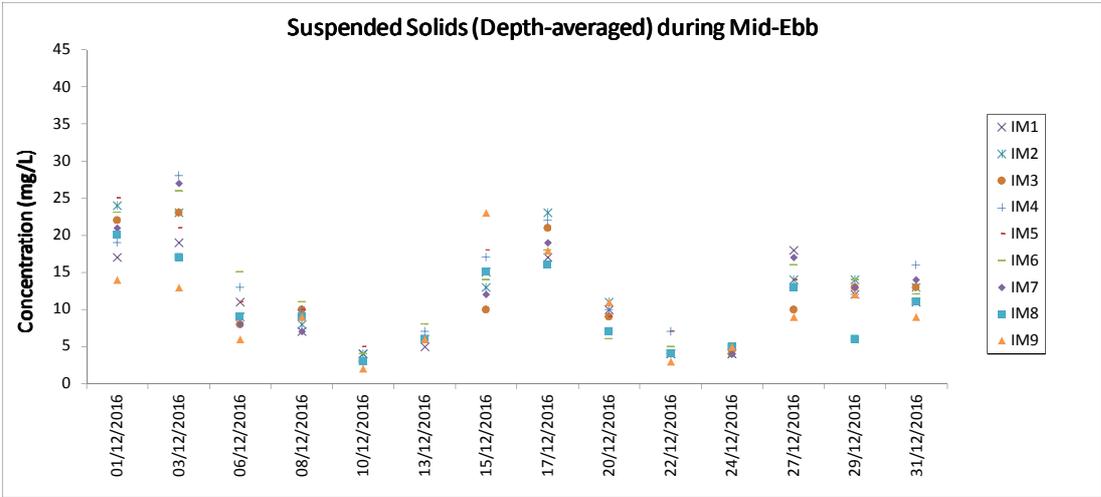
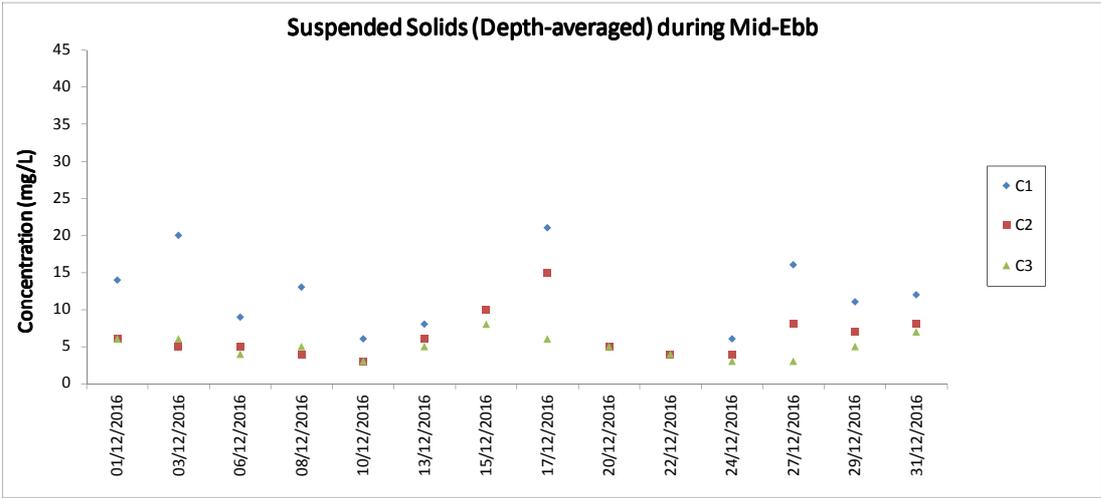
Note: The action and limit level of Turbidity can be referred to Table 4.2 of the monthly EM&A report.



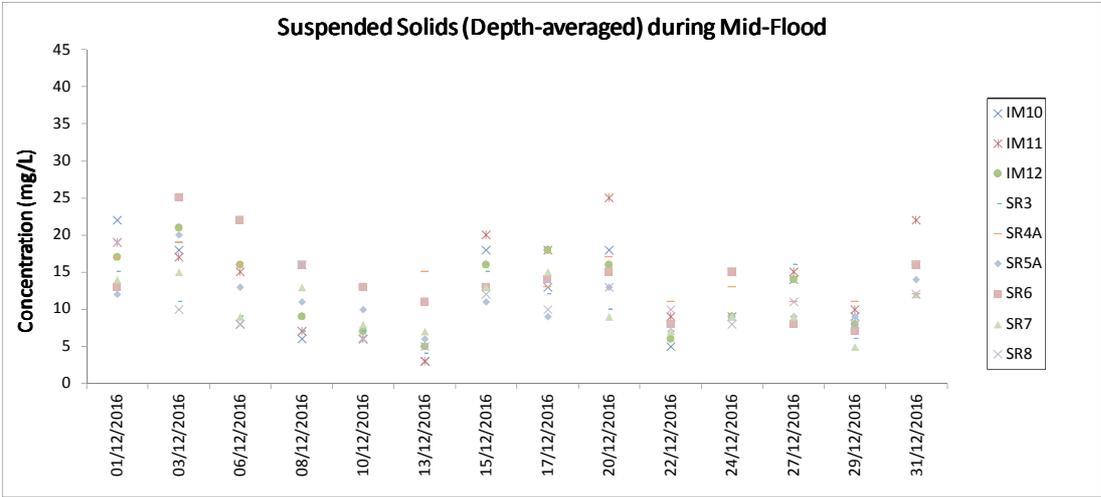
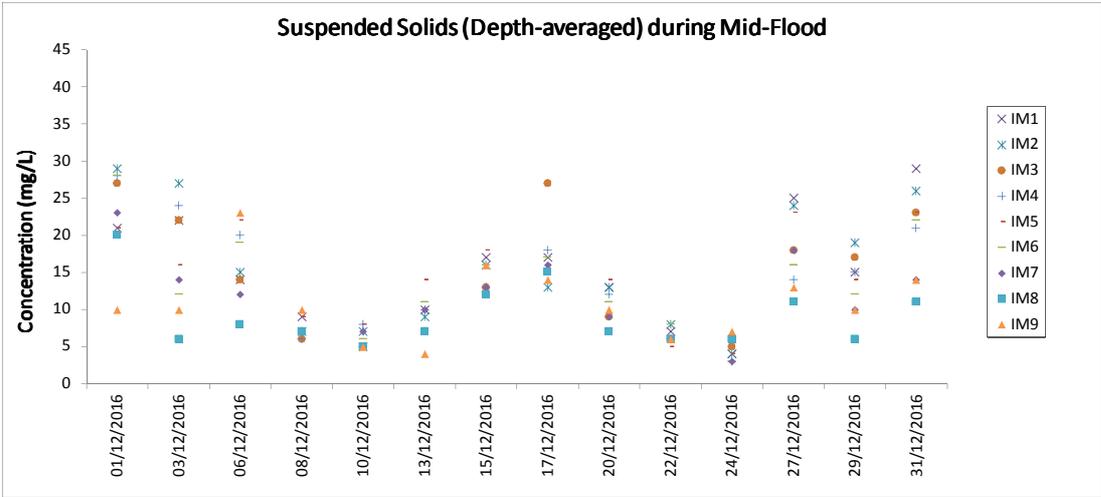
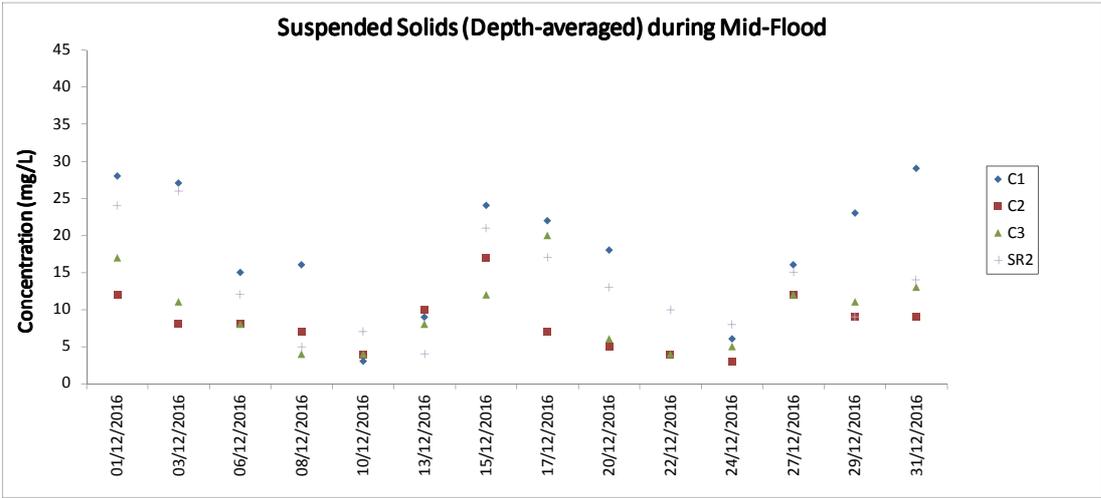
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



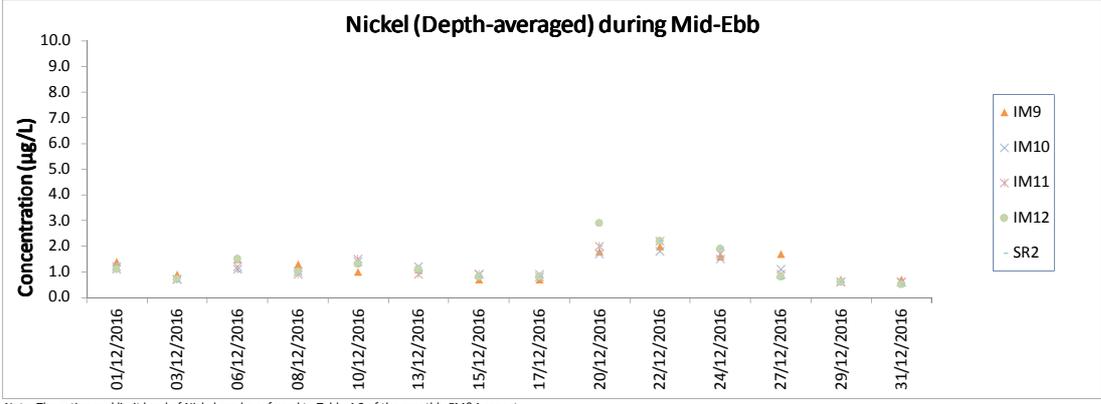
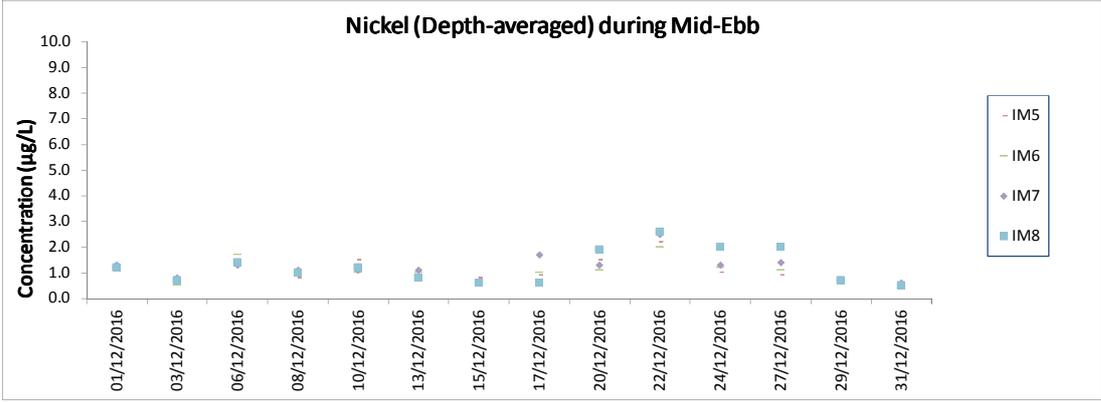
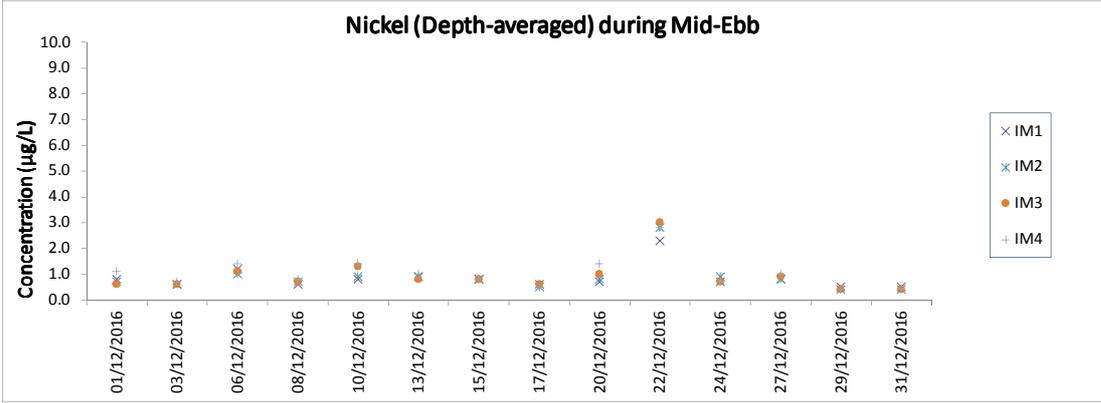
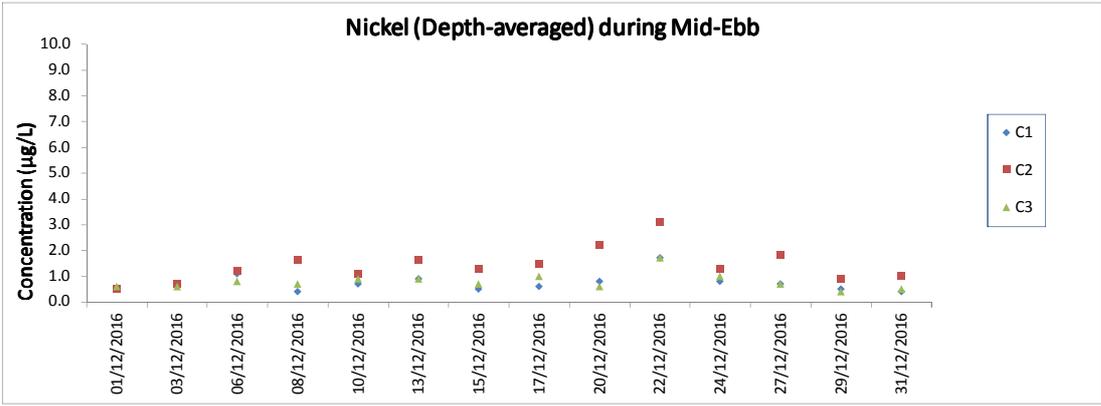
Note: The action and limit level of Alkalinity can be referred to Table 4.2 of the monthly EM&A report.



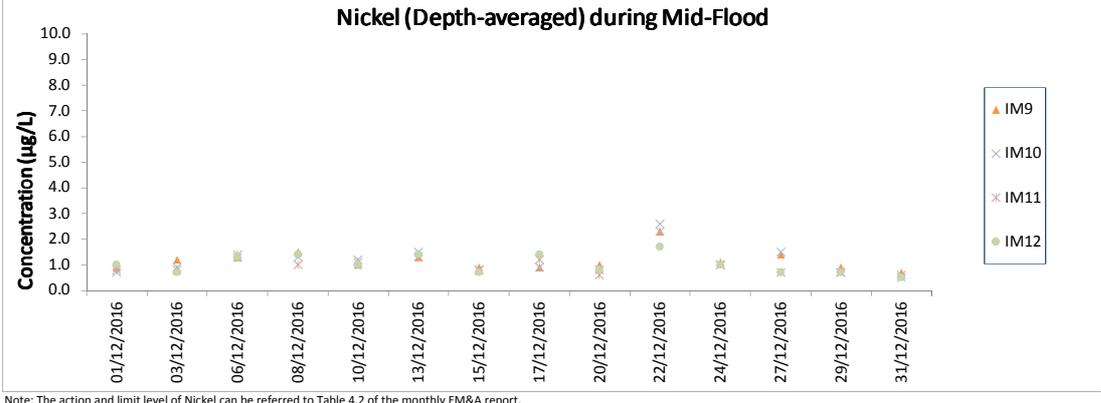
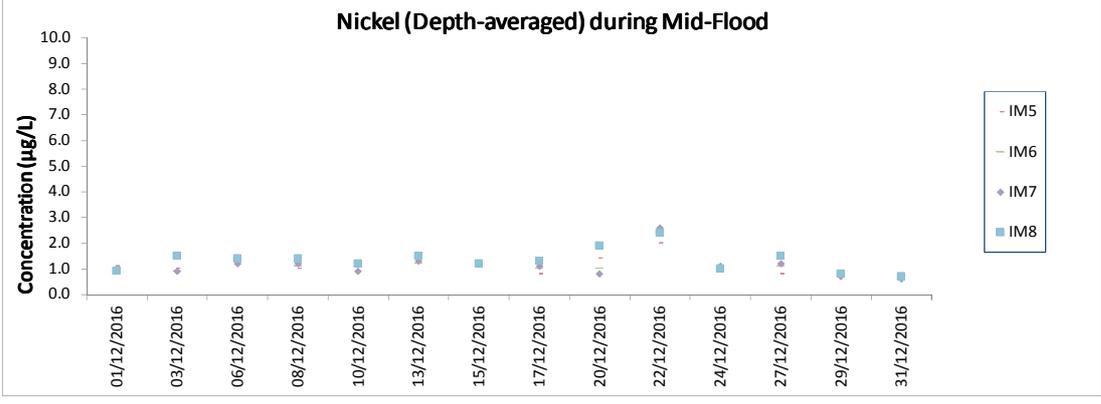
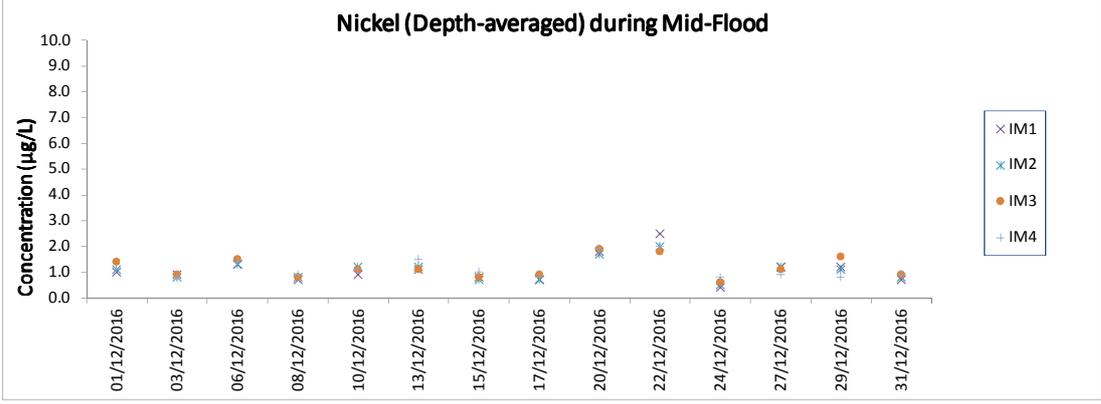
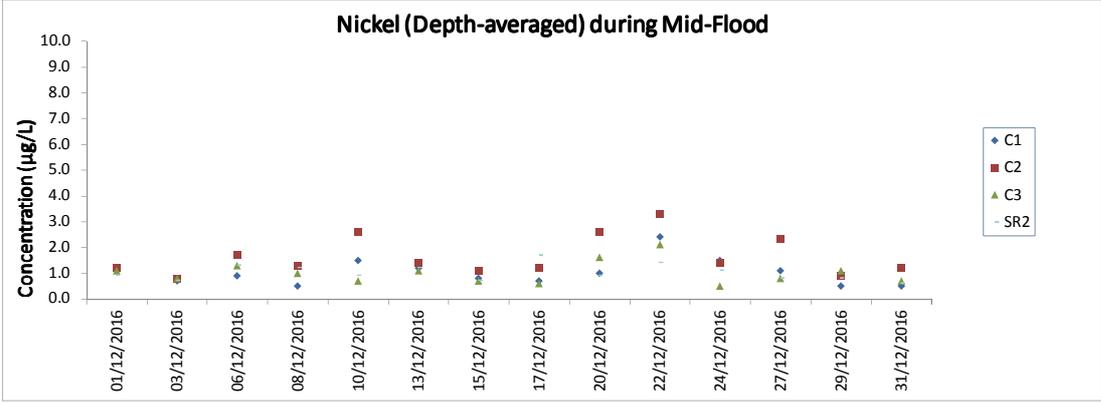
Note: The action and limit level of Suspended Solids can be referred to Table 4.2 of the monthly EM&A report.



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
05-Oct-16	NWL	2	57.65	AUTUMN	32166	3RS ET
05-Oct-16	NWL	3	24.37	AUTUMN	32166	3RS ET
07-Oct-16	SWL	2	19.10	AUTUMN	32166	3RS ET
07-Oct-16	SWL	3	41.15	AUTUMN	32166	3RS ET
07-Oct-16	SWL	4	2.05	AUTUMN	32166	3RS ET
19-Oct-16	NEL	2	2.20	AUTUMN	32166	3RS ET
19-Oct-16	NEL	3	18.00	AUTUMN	32166	3RS ET
19-Oct-16	NEL	4	27.50	AUTUMN	32166	3RS ET
20-Oct-16	NEL	2	30.40	AUTUMN	32166	3RS ET
20-Oct-16	NEL	3	16.80	AUTUMN	32166	3RS ET
24-Oct-16	AW	1	4.80	AUTUMN	32166	3RS ET
24-Oct-16	WL	1	5.39	AUTUMN	32166	3RS ET
24-Oct-16	WL	2	6.10	AUTUMN	32166	3RS ET
24-Oct-16	WL	3	15.88	AUTUMN	32166	3RS ET
24-Oct-16	WL	4	3.82	AUTUMN	32166	3RS ET
24-Oct-16	SWL	3	4.89	AUTUMN	32166	3RS ET
24-Oct-16	SWL	4	0.41	AUTUMN	32166	3RS ET
25-Oct-16	SWL	2	1.05	AUTUMN	32166	3RS ET
25-Oct-16	SWL	3	31.73	AUTUMN	32166	3RS ET
25-Oct-16	SWL	4	28.02	AUTUMN	32166	3RS ET
25-Oct-16	SWL	5	2.00	AUTUMN	32166	3RS ET
26-Oct-16	AW	2	2.81	AUTUMN	32166	3RS ET
26-Oct-16	AW	3	1.83	AUTUMN	32166	3RS ET
26-Oct-16	WL	2	12.50	AUTUMN	32166	3RS ET
26-Oct-16	WL	3	9.25	AUTUMN	32166	3RS ET
26-Oct-16	WL	4	9.44	AUTUMN	32166	3RS ET
26-Oct-16	SWL	3	1.06	AUTUMN	32166	3RS ET
26-Oct-16	SWL	4	4.03	AUTUMN	32166	3RS ET
28-Oct-16	NWL	1	6.27	AUTUMN	32166	3RS ET
28-Oct-16	NWL	2	73.09	AUTUMN	32166	3RS ET
28-Oct-16	NWL	3	0.90	AUTUMN	32166	3RS ET
04-Nov-16	NWL	2	22.59	AUTUMN	32166	3RS ET
04-Nov-16	NWL	3	60.71	AUTUMN	32166	3RS ET
11-Nov-16	NEL	1	15.31	AUTUMN	32166	3RS ET
11-Nov-16	NEL	2	31.79	AUTUMN	32166	3RS ET
14-Nov-16	SWL	2	62.10	AUTUMN	32166	3RS ET
14-Nov-16	SWL	3	0.90	AUTUMN	32166	3RS ET
16-Nov-16	NEL	2	1.90	AUTUMN	32166	3RS ET
16-Nov-16	NEL	3	41.92	AUTUMN	32166	3RS ET
16-Nov-16	NEL	4	3.28	AUTUMN	32166	3RS ET
17-Nov-16	SWL	2	1.15	AUTUMN	32166	3RS ET
17-Nov-16	SWL	3	5.59	AUTUMN	32166	3RS ET
17-Nov-16	WL	2	13.18	AUTUMN	32166	3RS ET
17-Nov-16	WL	3	17.84	AUTUMN	32166	3RS ET
17-Nov-16	AW	2	4.91	AUTUMN	32166	3RS ET
18-Nov-16	AW	2	1.43	AUTUMN	32166	3RS ET
18-Nov-16	AW	3	3.25	AUTUMN	32166	3RS ET

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE
18-Nov-16	WL	2	18.03	AUTUMN	32166	3RS ET
18-Nov-16	WL	3	11.86	AUTUMN	32166	3RS ET
18-Nov-16	WL	4	2.45	AUTUMN	32166	3RS ET
18-Nov-16	SWL	3	6.84	AUTUMN	32166	3RS ET
21-Nov-16	NWL	2	3.82	AUTUMN	32166	3RS ET
21-Nov-16	NWL	3	26.42	AUTUMN	32166	3RS ET
21-Nov-16	NWL	4	43.55	AUTUMN	32166	3RS ET
21-Nov-16	NWL	5	7.91	AUTUMN	32166	3RS ET
28-Nov-16	SWL	2	7.14	AUTUMN	32166	3RS ET
28-Nov-16	SWL	3	35.02	AUTUMN	32166	3RS ET
28-Nov-16	SWL	4	16.84	AUTUMN	32166	3RS ET
28-Nov-16	SWL	5	1.39	AUTUMN	32166	3RS ET
02-Dec-16	NWL	2	24.31	WINTER	32166	3RS ET
02-Dec-16	NWL	3	54.34	WINTER	32166	3RS ET
02-Dec-16	NWL	4	3.20	WINTER	32166	3RS ET
05-Dec-16	AW	2	4.86	WINTER	32166	3RS ET
05-Dec-16	WL	2	9.23	WINTER	32166	3RS ET
05-Dec-16	WL	3	23.91	WINTER	32166	3RS ET
05-Dec-16	SWL	2	5.52	WINTER	32166	3RS ET
05-Dec-16	SWL	3	1.31	WINTER	32166	3RS ET
13-Dec-16	SWL	2	52.96	WINTER	32166	3RS ET
13-Dec-16	SWL	3	7.50	WINTER	32166	3RS ET
14-Dec-16	AW	3	1.96	WINTER	32166	3RS ET
14-Dec-16	AW	4	2.96	WINTER	32166	3RS ET
14-Dec-16	WL	3	13.26	WINTER	32166	3RS ET
14-Dec-16	WL	4	18.34	WINTER	32166	3RS ET
14-Dec-16	WL	5	2.20	WINTER	32166	3RS ET
14-Dec-16	SWL	3	2.29	WINTER	32166	3RS ET
14-Dec-16	SWL	4	4.41	WINTER	32166	3RS ET
19-Dec-16	NWL	2	39.79	WINTER	32166	3RS ET
19-Dec-16	NWL	3	22.34	WINTER	32166	3RS ET
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

## Notes:

CWD monitoring survey data of the two preceding survey months (i.e. October and November 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.
05-Oct-16	1	1048	CWD	2	NWL	2	N/A	OFF	3RS ET	22.2716	113.8719	AUTUMN	NONE
05-Oct-16	2	1141	CWD	1	NWL	3	19	ON	3RS ET	22.3571	113.8781	AUTUMN	NONE
05-Oct-16	3	1212	CWD	2	NWL	3	N/A	OFF	3RS ET	22.5836	115.8169	AUTUMN	NONE
05-Oct-16	4	1246	CWD	2	NWL	2	102	ON	3RS ET	22.3696	113.8886	AUTUMN	NONE
07-Oct-16	1	1200	FP	2	SWL	3	116	ON	3RS ET	22.7397	115.8400	AUTUMN	NONE
24-Oct-16	1	1017	CWD	4	WL	2	206	ON	3RS ET	22.2698	113.8436	AUTUMN	NONE
24-Oct-16	2	1054	CWD	1	WL	3	87	ON	3RS ET	22.2599	113.8416	AUTUMN	NONE
24-Oct-16	3	1127	CWD	2	WL	3	91	ON	3RS ET	22.2404	113.8307	AUTUMN	NONE
24-Oct-16	4	1154	CWD	1	WL	3	108	ON	3RS ET	22.2236	113.8326	AUTUMN	NONE
24-Oct-16	5	1242	CWD	1	WL	4	11	ON	3RS ET	22.2018	113.8219	AUTUMN	NONE
24-Oct-16	6	1252	CWD	2	WL	3	48	ON	3RS ET	22.1983	113.8274	AUTUMN	NONE
24-Oct-16	7	1321	CWD	3	WL	3	N/A	OFF	3RS ET	22.1918	113.8383	AUTUMN	NONE
24-Oct-16	8	1403	CWD	1	SWL	3	45	ON	3RS ET	22.1863	113.8587	AUTUMN	NONE
25-Oct-16	1	1457	CWD	1	SWL	4	N/A	OFF	3RS ET	22.1943	113.8519	AUTUMN	NONE
25-Oct-16	2	1511	CWD	1	WL	3	N/A	OFF	3RS ET	22.2166	113.8338	AUTUMN	NONE
25-Oct-16	3	1518	CWD	1	WL	3	N/A	OFF	3RS ET	22.2293	113.8371	AUTUMN	NONE
25-Oct-16	4	1523	CWD	3	WL	3	N/A	OFF	3RS ET	22.2386	113.8406	AUTUMN	PURSE SEINE
26-Oct-16	1	1032	CWD	1	WL	2	135	ON	3RS ET	22.2675	113.8600	AUTUMN	NONE
26-Oct-16	2	1047	CWD	2	WL	2	149	ON	3RS ET	22.2616	113.8553	AUTUMN	NONE
26-Oct-16	3	1112	CWD	1	WL	2	168	ON	3RS ET	22.2500	113.8348	AUTUMN	NONE
26-Oct-16	4	1133	CWD	2	WL	2	38	ON	3RS ET	22.2413	113.8394	AUTUMN	NONE
26-Oct-16	5	1219	CWD	7	WL	4	286	ON	3RS ET	22.2143	113.8219	AUTUMN	NONE
26-Oct-16	6	1309	CWD	1	WL	4	390	ON	3RS ET	22.1885	113.8419	AUTUMN	PURSE SEINE
26-Oct-16	7	1350	CWD	4	SWL	3	441	ON	3RS ET	22.1933	113.8493	AUTUMN	NONE
26-Oct-16	8	1403	CWD	2	SWL	3	14	ON	3RS ET	22.1905	113.8490	AUTUMN	NONE
26-Oct-16	9	1412	CWD	2	SWL	3	395	ON	3RS ET	22.1863	113.8488	AUTUMN	NONE
26-Oct-16	10	1440	CWD	1	SWL	3	63	ON	3RS ET	22.1976	113.8589	AUTUMN	NONE
28-Oct-16	1	0949	CWD	7	NWL	2	210	ON	3RS ET	22.3757	113.8682	AUTUMN	NONE
28-Oct-16	2	1145	CWD	2	NWL	2	623	ON	3RS ET	22.3548	113.8781	AUTUMN	NONE
04-Nov-16	1	1041	CWD	4	NWL	3	330	ON	3RS ET	22.2788	113.8779	AUTUMN	NONE
04-Nov-16	2	1221	CWD	3	NWL	3	149	ON	3RS ET	22.3807	113.8890	AUTUMN	NONE

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.
14-Nov-16	1	1406	CWD	1	SWL	2	19	ON	3RS ET	22.2076	113.8796	AUTUMN	NONE
17-Nov-16	1	1226	CWD	4	WL	3	1	ON	3RS ET	22.2311	113.8389	AUTUMN	NONE
17-Nov-16	2	1308	CWD	3	WL	2	390	ON	3RS ET	22.2452	113.8508	AUTUMN	NONE
17-Nov-16	3	1415	CWD	2	WL	2	11	ON	3RS ET	22.2900	113.8614	AUTUMN	NONE
18-Nov-16	1	1041	CWD	1	WL	3	243	ON	3RS ET	22.2571	113.8373	AUTUMN	NONE
21-Nov-16	1	1035	CWD	5	NWL	3	9	ON	3RS ET	22.2844	113.8683	AUTUMN	NONE
28-Nov-16	1	1048	FP	1	SWL	3	52	ON	3RS ET	22.1579	113.9360	AUTUMN	NONE
28-Nov-16	2	1112	FP	1	SWL	4	125	ON	3RS ET	22.1689	113.9277	AUTUMN	NONE
28-Nov-16	3	1116	FP	1	SWL	4	183	ON	3RS ET	22.1703	113.9273	AUTUMN	NONE
28-Nov-16	4	1139	CWD	4	SWL	3	86	ON	3RS ET	22.2050	113.9178	AUTUMN	NONE
28-Nov-16	5	1430	CWD	1	SWL	3	125	ON	3RS ET	22.1967	113.8778	AUTUMN	NONE
28-Nov-16	6	1514	CWD	5	SWL	4	148	ON	3RS ET	22.1979	113.8683	AUTUMN	NONE
02-Dec-16	1	1129	CWD	2	NWL	3	172	ON	3RS ET	22.3780	113.8768	WINTER	NONE
02-Dec-16	2	1234	CWD	2	NWL	3	187	ON	3RS ET	22.3664	113.8876	WINTER	NONE
05-Dec-16	1	1028	CWD	2	WL	2	34	ON	3RS ET	22.2683	113.8608	WINTER	NONE
05-Dec-16	2	1045	CWD	1	WL	3	100	ON	3RS ET	22.2606	113.8480	WINTER	NONE
05-Dec-16	3	1110	CWD	5	WL	3	171	ON	3RS ET	22.2506	113.8363	WINTER	NONE
05-Dec-16	4	1154	CWD	1	WL	3	42	ON	3RS ET	22.2412	113.8365	WINTER	NONE
05-Dec-16	5	1250	CWD	11	WL	2	276	ON	3RS ET	22.2056	113.8398	WINTER	NONE
13-Dec-16	4	1239	CWD	2	SWL	2	611	ON	3RS ET	22.1771	113.9056	WINTER	NONE
13-Dec-16	5	1350	CWD	5	SWL	3	87	ON	3RS ET	22.1480	113.8884	WINTER	PAIR TRAWLER
13-Dec-16	6	1413	CWD	1	SWL	3	297	ON	3RS ET	22.1691	113.8878	WINTER	NONE
13-Dec-16	7	1436	CWD	1	SWL	2	72	ON	3RS ET	22.1998	113.8876	WINTER	NONE
13-Dec-16	8	1452	CWD	1	SWL	2	280	ON	3RS ET	22.2039	113.8779	WINTER	PURSE SEINE
13-Dec-16	9	1544	CWD	2	SWL	2	90	ON	3RS ET	22.1956	113.8685	WINTER	NONE
19-Dec-16	2	0943	CWD	6	NWL	3	687	ON	3RS ET	22.4160	113.8686	WINTER	NONE
19-Dec-16	3	1026	CWD	2	NWL	2	358	ON	3RS ET	22.3696	113.8679	WINTER	NONE
19-Dec-16	4	1036	CWD	4	NWL	2	460	ON	3RS ET	22.3689	113.8685	WINTER	NONE
19-Dec-16	5	1224	CWD	1	NWL	2	50	ON	3RS ET	22.3817	113.8760	WINTER	NONE
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

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. October and November 2016) are presented for reference only. No relevant figure or text will be mentioned in the monthly EM&A report.

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

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

A total of 1169.39 km of survey effort was collected under Beaufort Sea State 3 or below with favourable visibility; total no. of 47 on-effort sightings and total number of 128 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 of Number of Dolphin Sightings (STG)

$$STG = \frac{47}{1169.39} \times 100 = 4.02$$

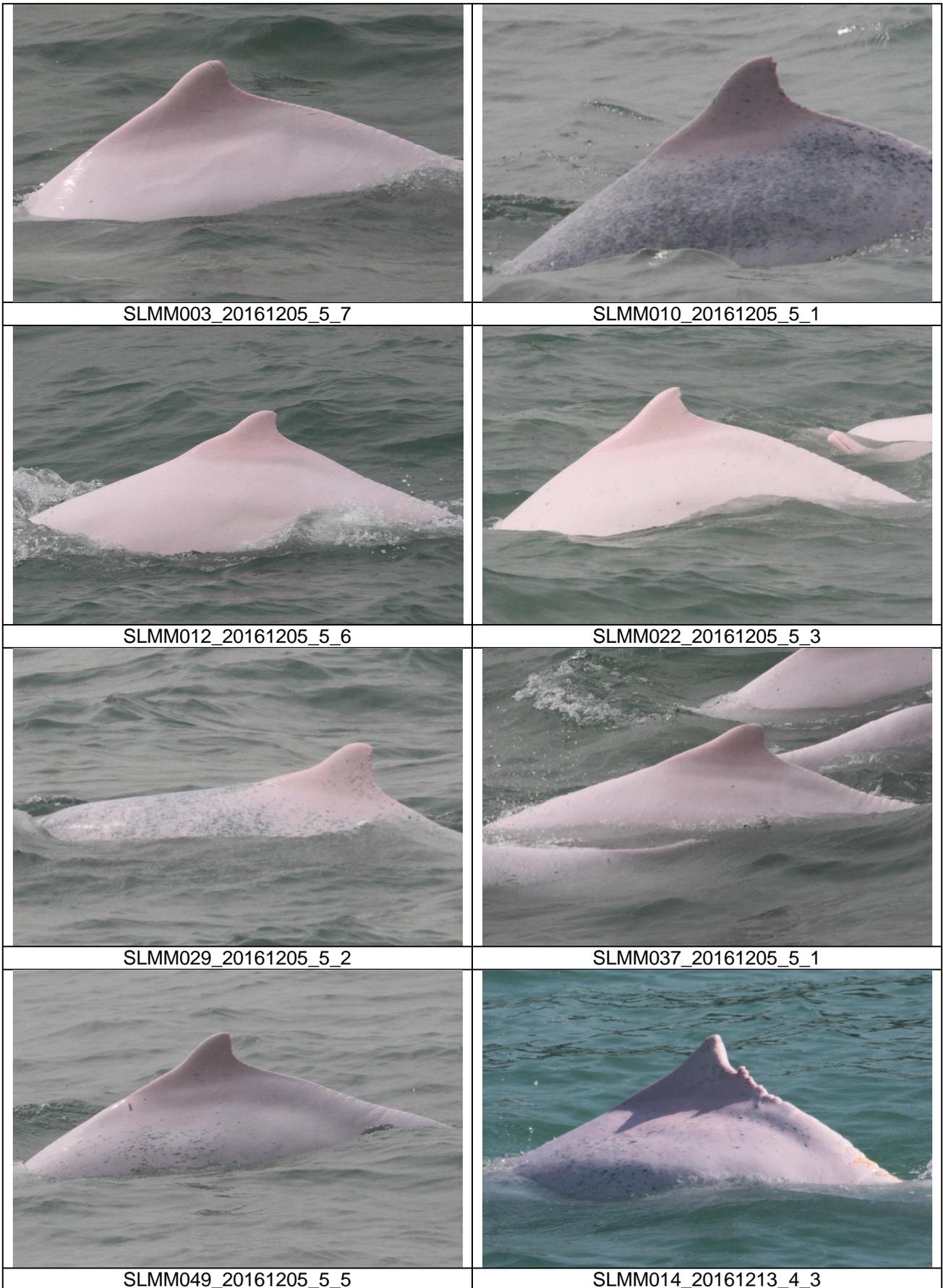
Running Quarterly Encounter Rate of Number of Dolphins (ANI)

$$ANI = \frac{128}{1169.39} \times 100 = 10.95$$

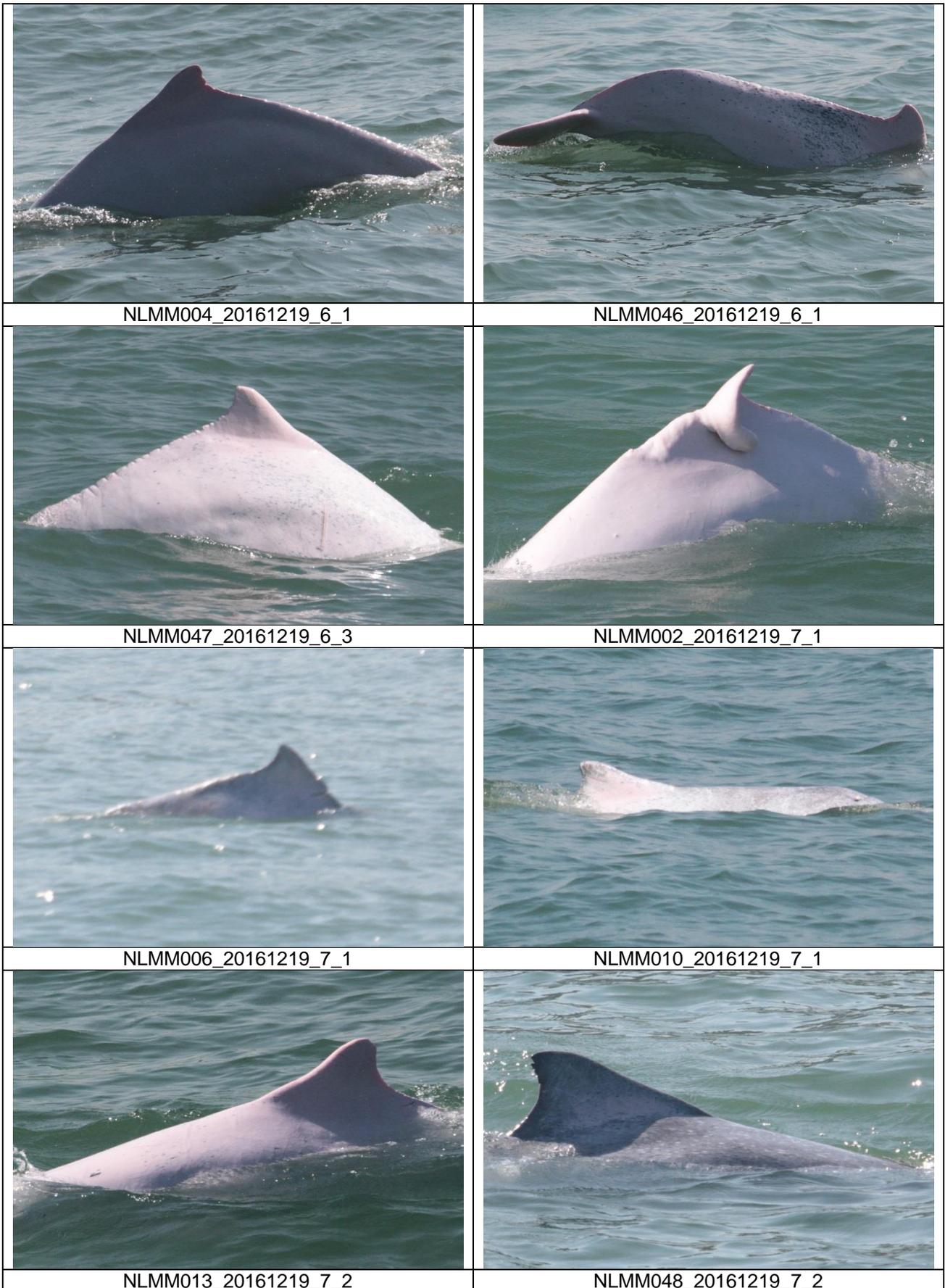
CWD Small Vessel Line-transect Survey

Photo Identification

	
NLMM045_20161202_1_1	SLMM019_20161205_1_4
	
SLMM007_20161205_3_3	WLMM007_20161205_3_3
	
WLMM063_20161205_4_3	SLMM002_20161205_5_2



	
SLMM031_20161213_7_2	SLMM010_20161213_8_2
	
SLMM053_20161213_9_2	NLMM046_20161219_2_4
	
NLMM006_20161219_3_1	NLMM013_20161219_3_1
	
WLMM030_20161219_4_1	NLMM010_20161219_5_7





NLMM049\_20161219\_7\_3

**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>
7-Dec-16	Lung Kwu Chau	8:53	14:53	6:00	2-4	3	1	1
8-Dec-16	Lung Kwu Chau	8:40	14:10	5:30	3	3	1	5
9-Dec-16	Sha Chau	8:35	14:35	6:00	2	3	0	0
12-Dec-16	Lung Kwu Chau	8:42	15:12	6:30	2-3	2	5	1-3
16-Dec-16	Sha Chau	8:49	14:49	6:00	3	3	0	0

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**

