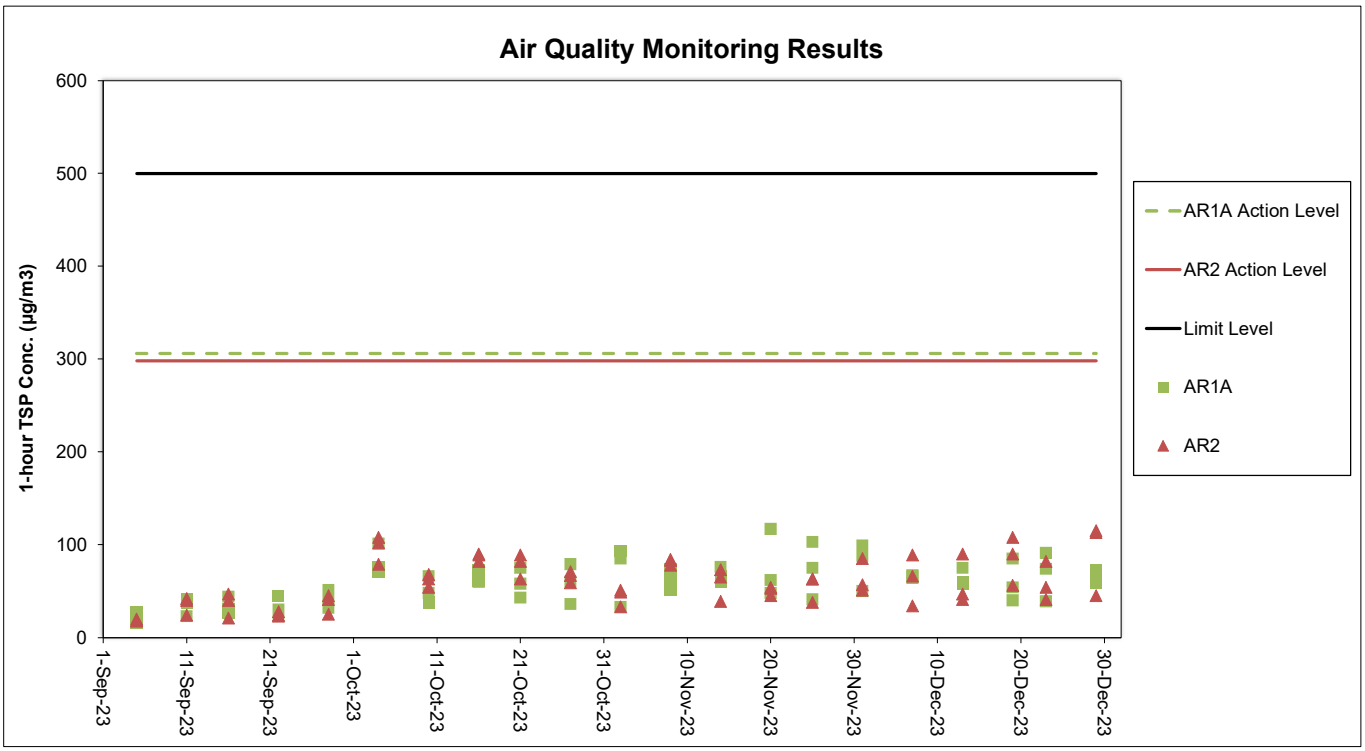
Appendix C. Monitoring Results

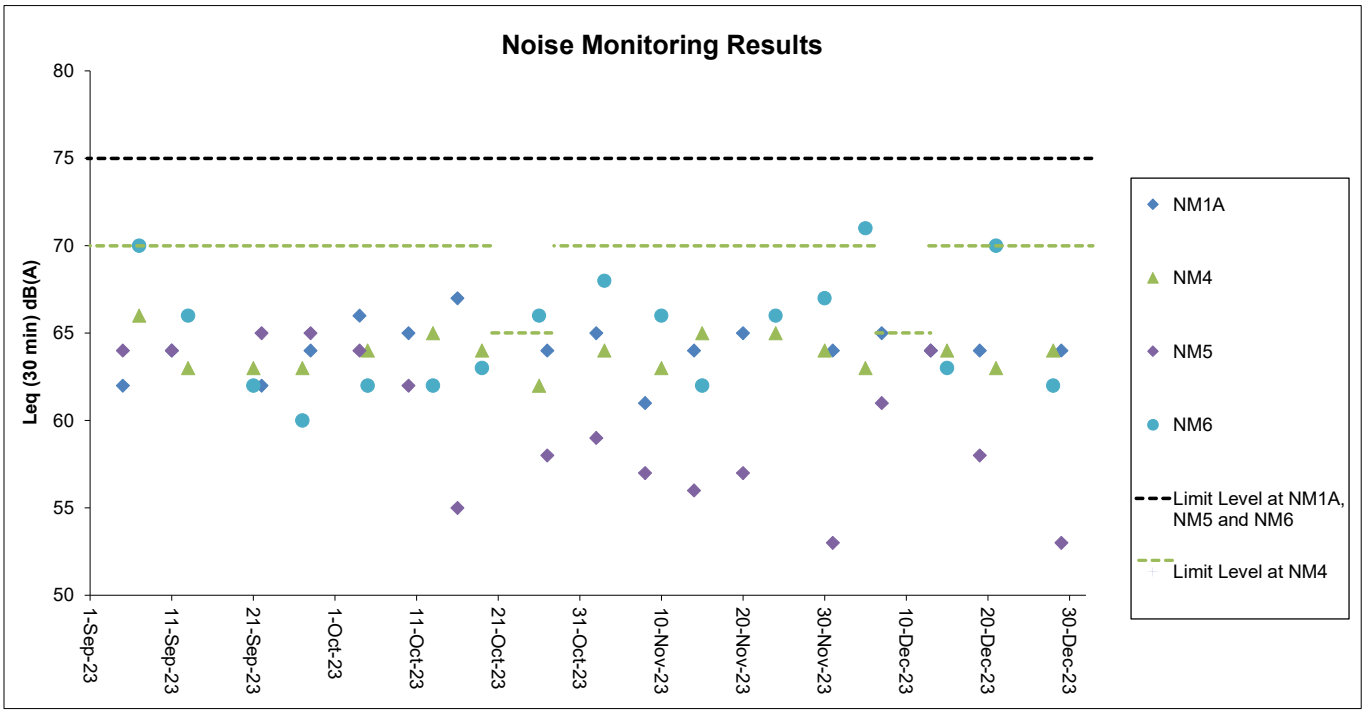
Air Quality Monitoring Results



Notes:

1. The key activities of the Project carried out in the reporting period included reclamation areas and existing airport island respectively. Works in the reclamation areas included rock armour laying works, land improvement works and filling works, pavement works, concourse superstructure works, tunnel work for Automated People Mover (APM) and Baggage Handling System (BHS) and associated works. Land-based works on existing airport island involved Terminal 2 expansion works, modification and tunnel work for APM and BHS, utilities works, road and drainage works, demolition, piling, excavation works and 132kV cable laying works.
2. General weather condition during monitoring ranged from sunny to rainy. Detailed meteorological conditions can be referred to Table 2.3 of this Report and corresponding Monthly EM&A Reports.
3. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

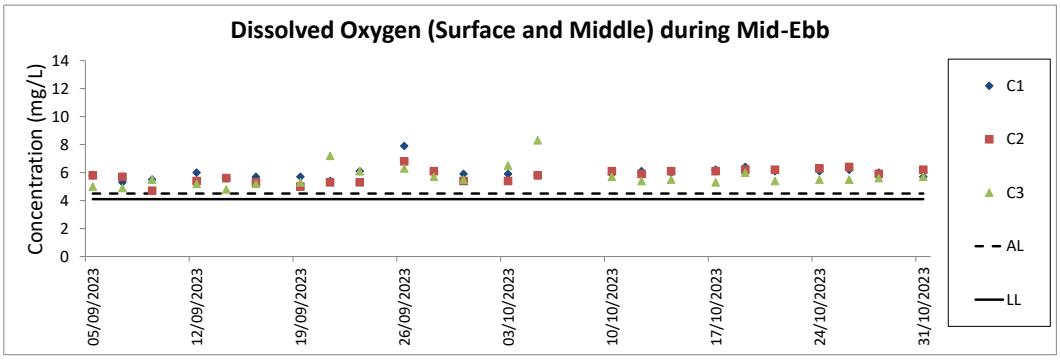
Noise Monitoring Results

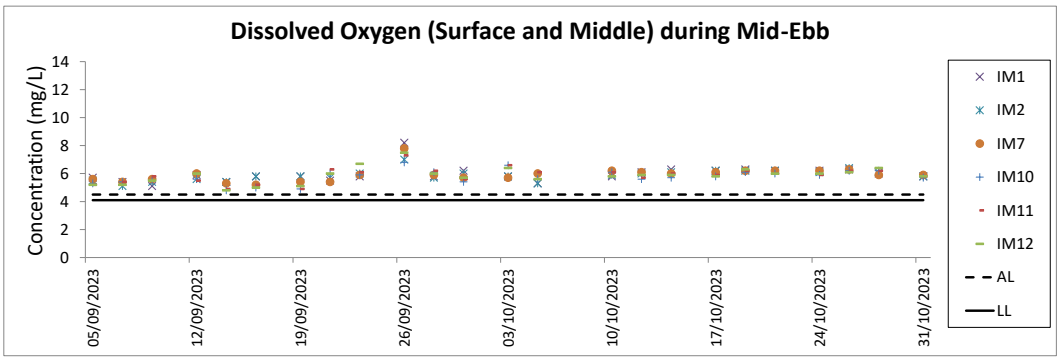


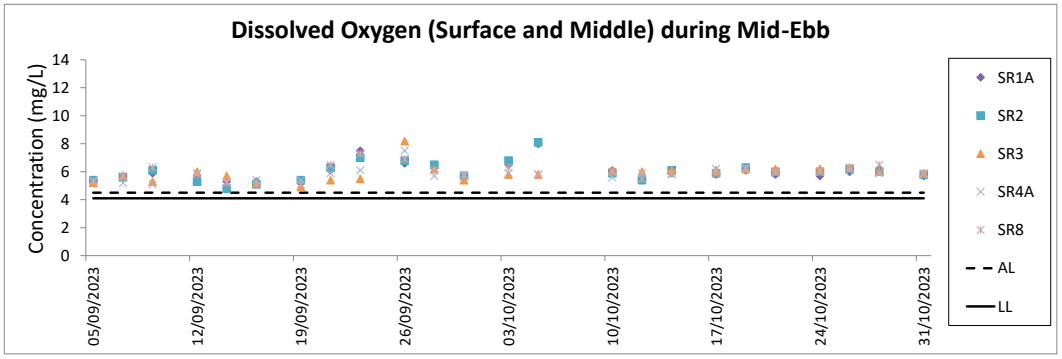
Notes:

1. The Limit Level is reduced to 70dB(A) for school and 65dB(A) during school examination period at NM4. School examination took place from 20 to 27 October and 6 to 13 December during this reporting period.
2. The key activities of the Project carried out in the reporting period included reclamation areas and existing airport island respectively. Works in the reclamation areas included rock armour laying works, land improvement works and filling works, pavement works, concourse superstructure works, tunnel work for Automated People Mover (APM) and Baggage Handling System (BHS) and associated works. Land-based works on existing airport island involved Terminal 2 expansion works, modification and tunnel work for APM and BHS, utilities works, road and drainage works, demolition, piling, excavation works and 132kV cable laying works.
3. General weather condition during monitoring ranged from sunny to rainy. Detailed meteorological conditions can be referred to Table 2.6 of this Report and corresponding Monthly EM&A Reports.
4. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.

Water Quality Monitoring Results

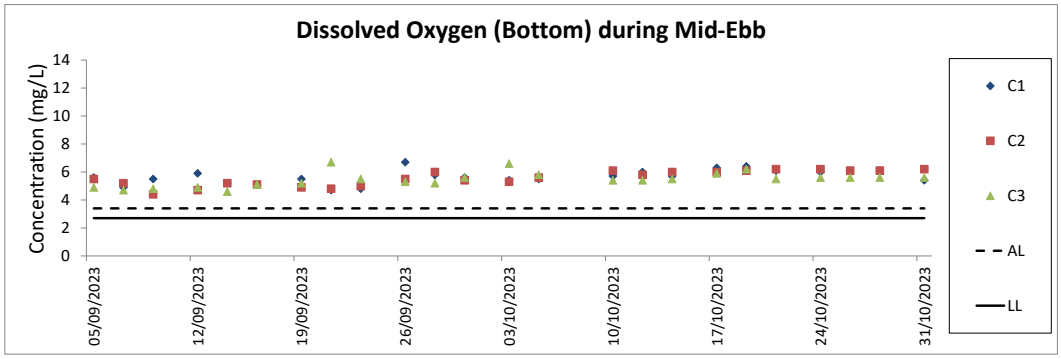


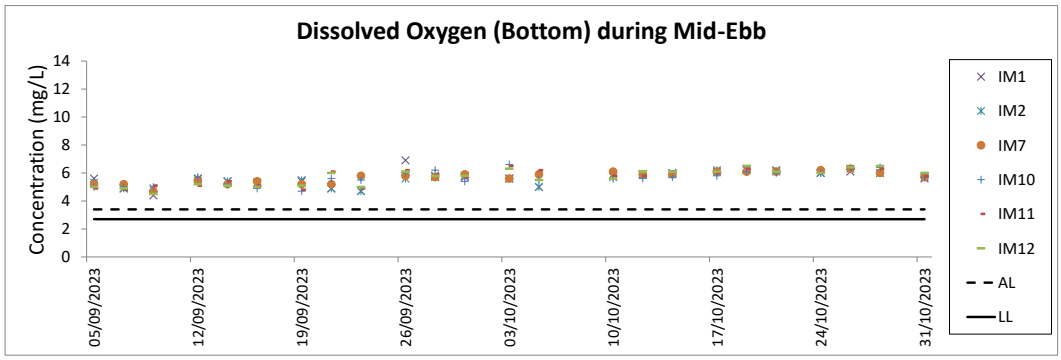


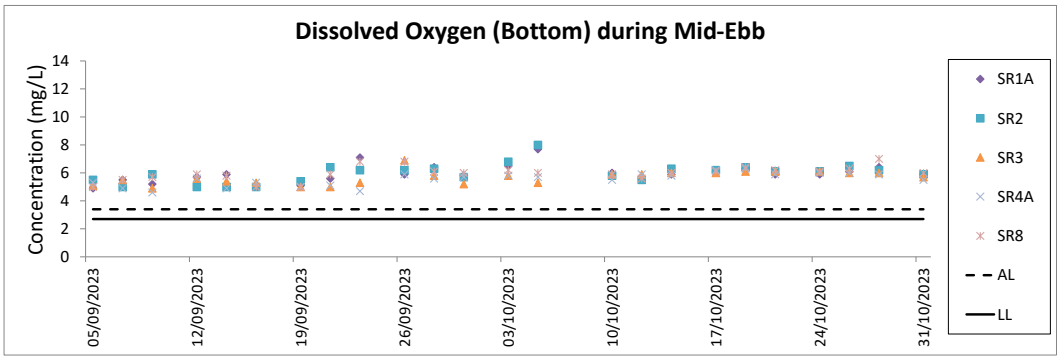


Notes:

1. The key activities of the Project during monitoring included rock armour laying works, land improvement works and filling, together with taxiways, concourse and associated works on the reclamation areas; and land-based works involved tunnel work, utilities works, road and drainage works.
2. General weather condition during monitoring ranged from sunny to rainy, with sea condition ranged from calm to rough. Detailed meteorological conditions can be referred to Table 2.11 of this Report and corresponding Monthly EM&A Reports.
3. QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.
4. The monitoring sessions on 7 October 2023 were cancelled due to Strong Wind Signal No. 3 in force.







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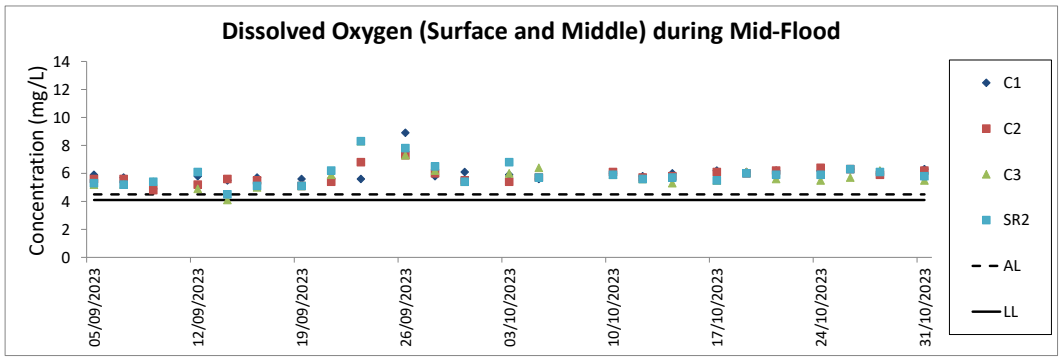

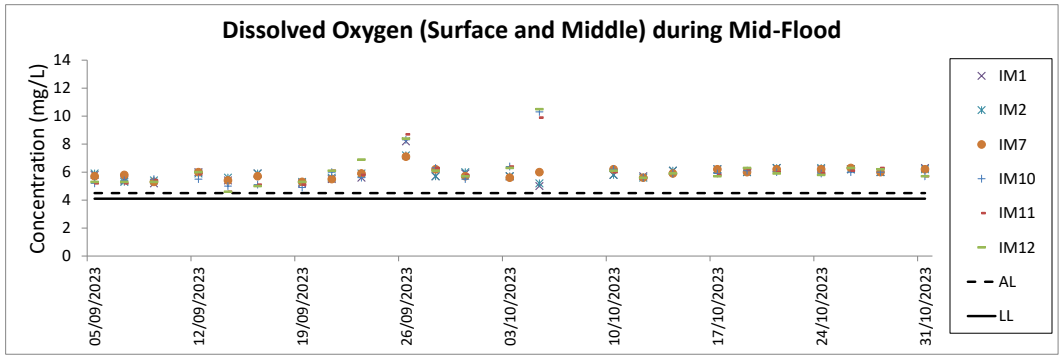

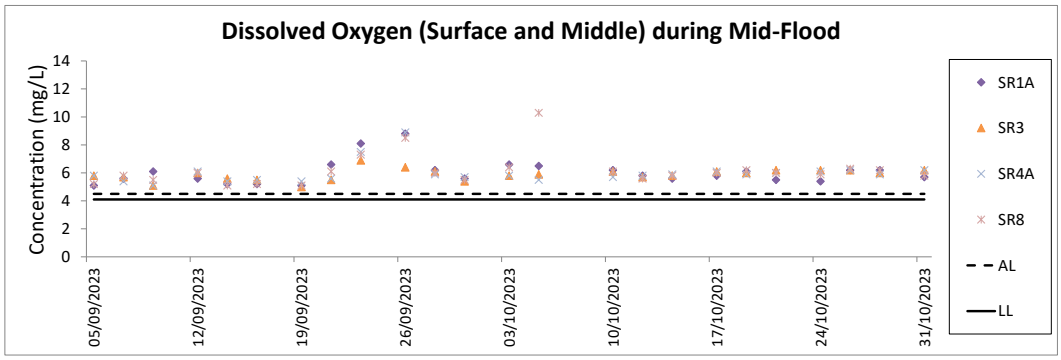

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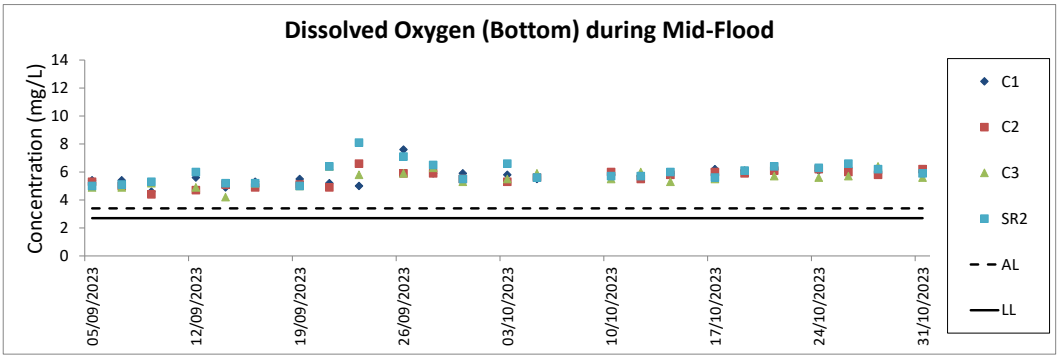

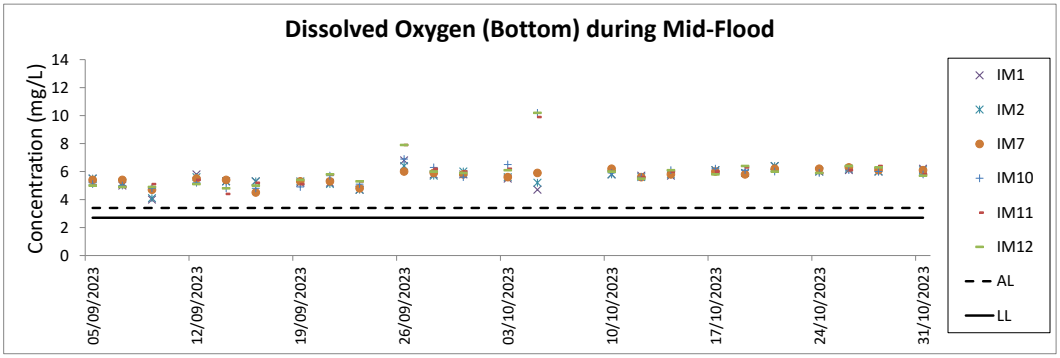

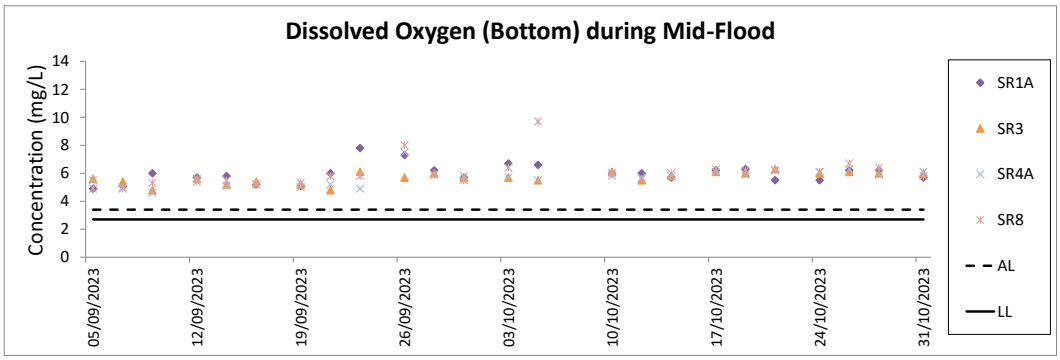

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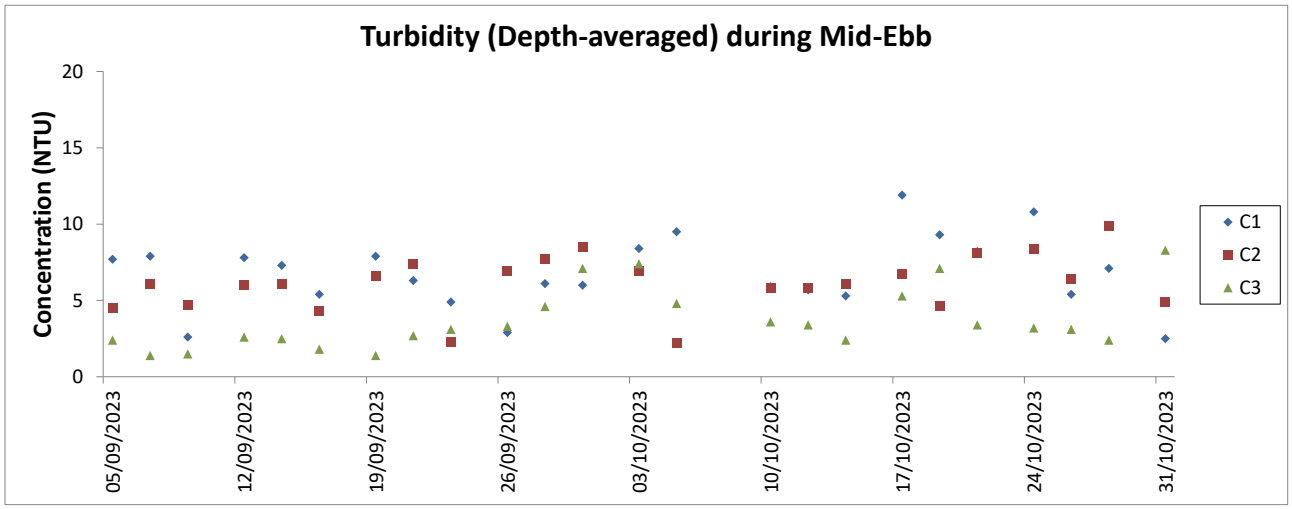

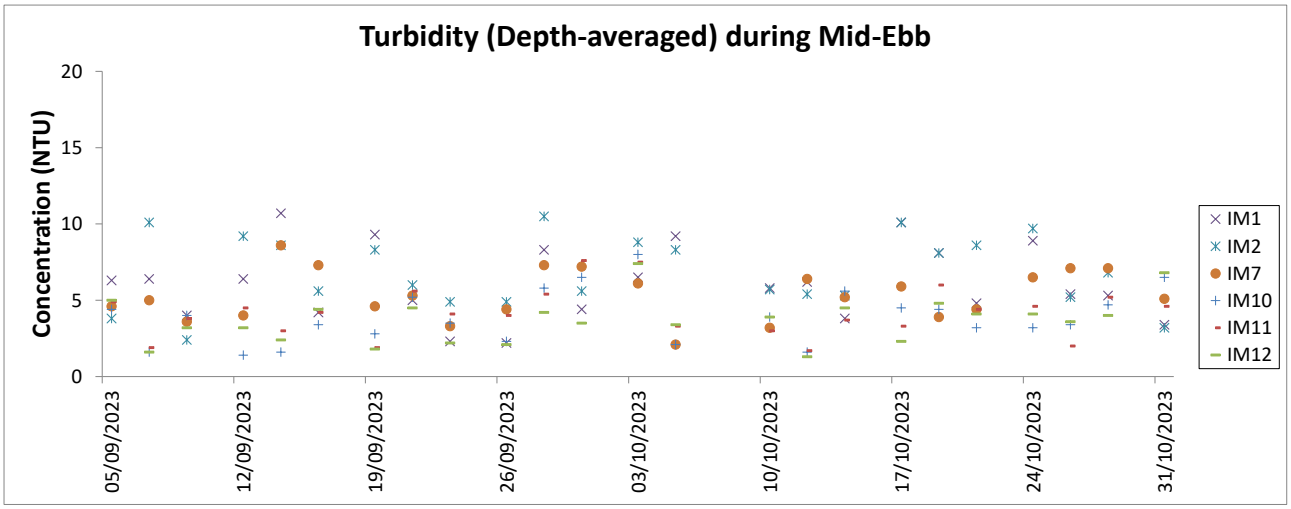

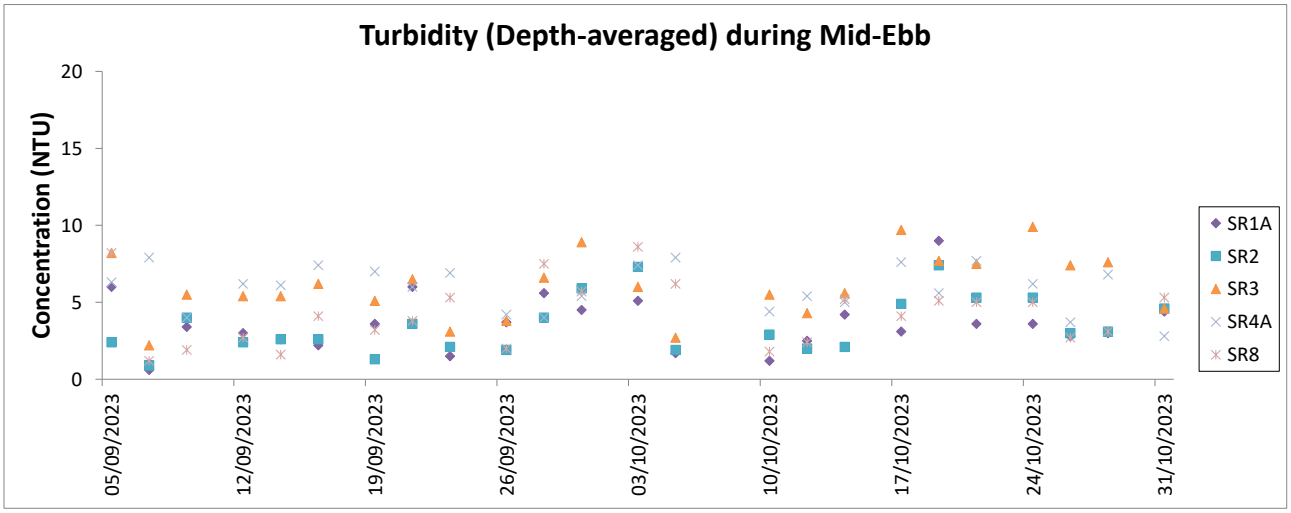

Notes:

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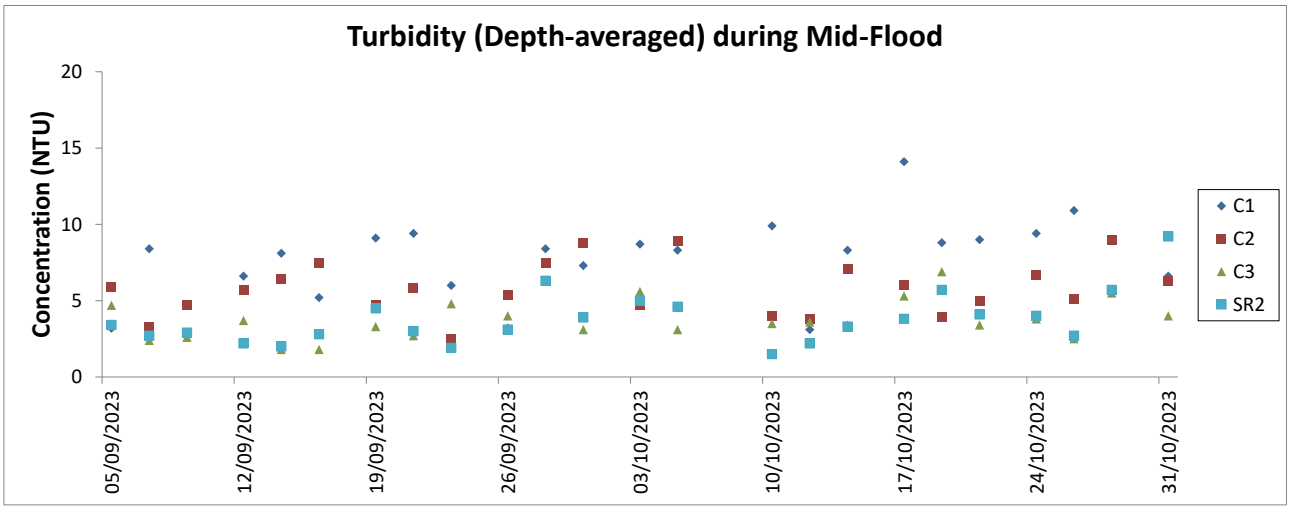

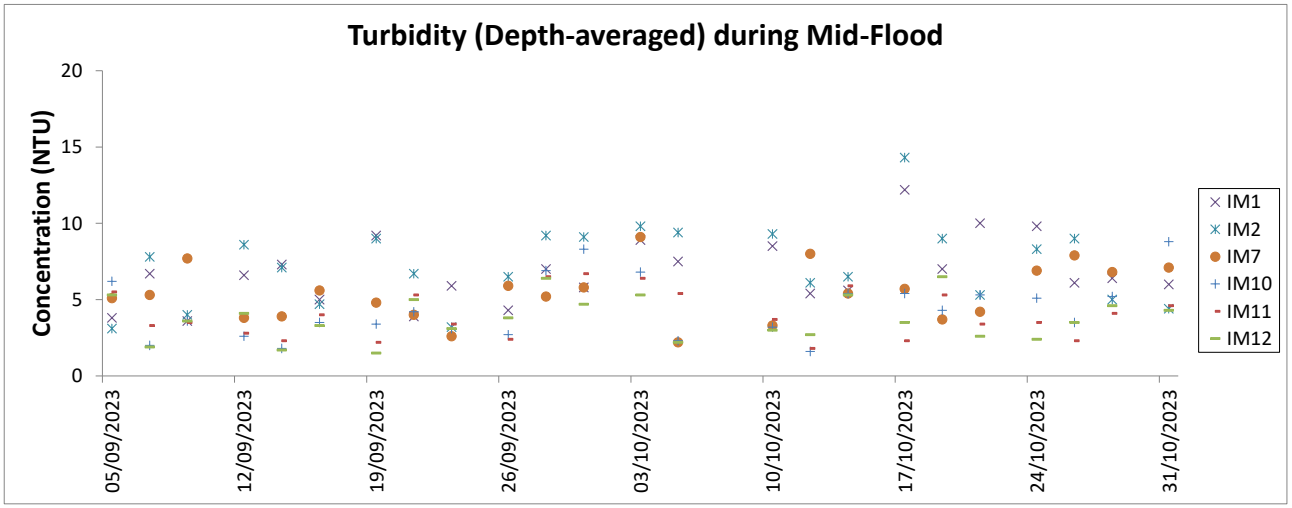

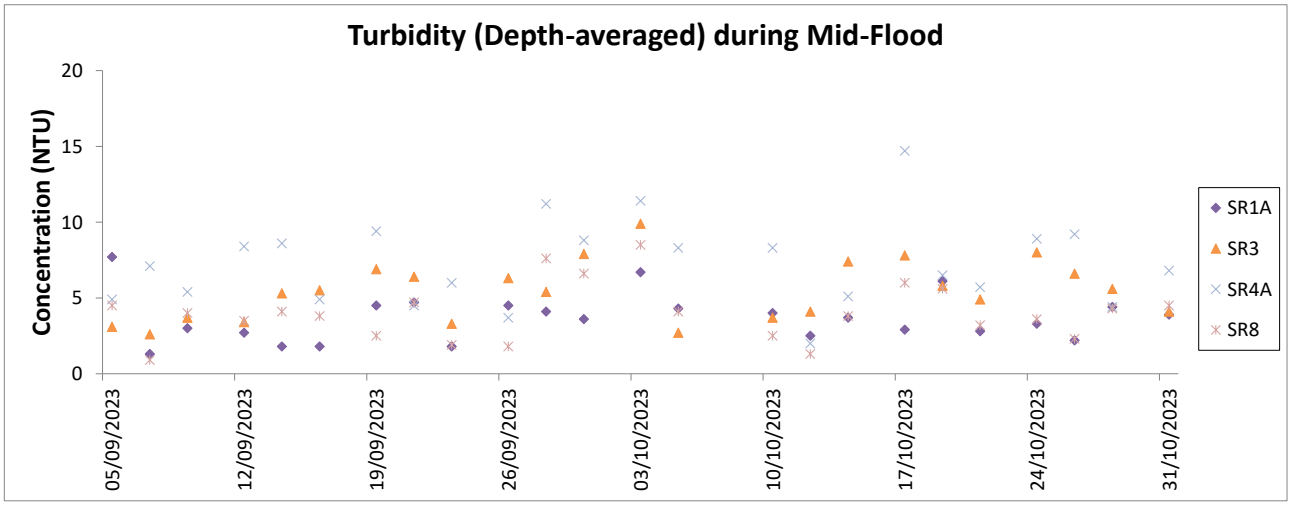

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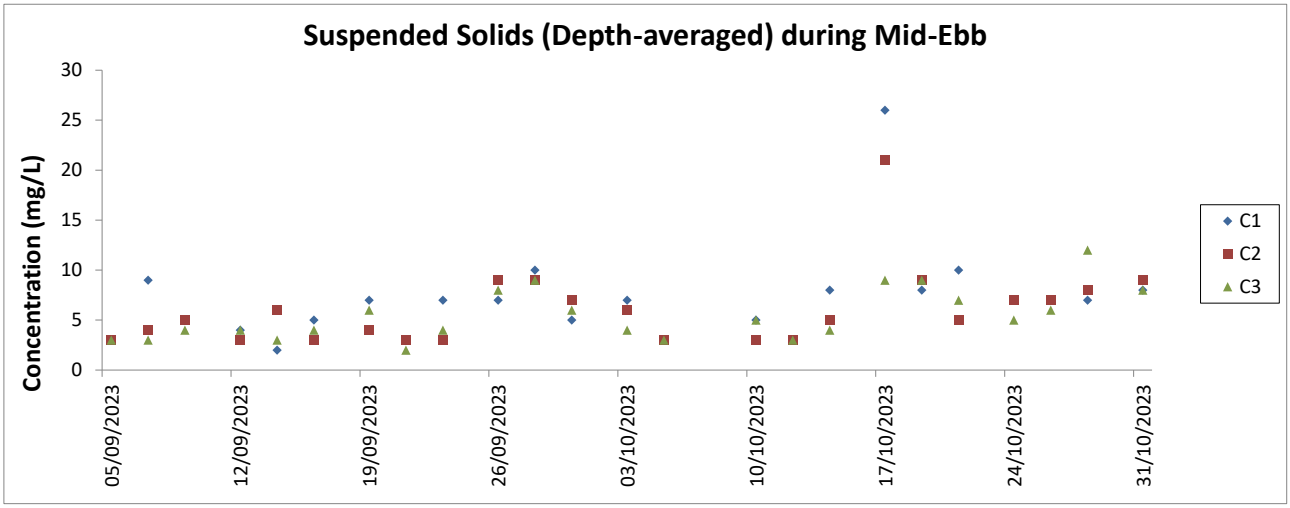

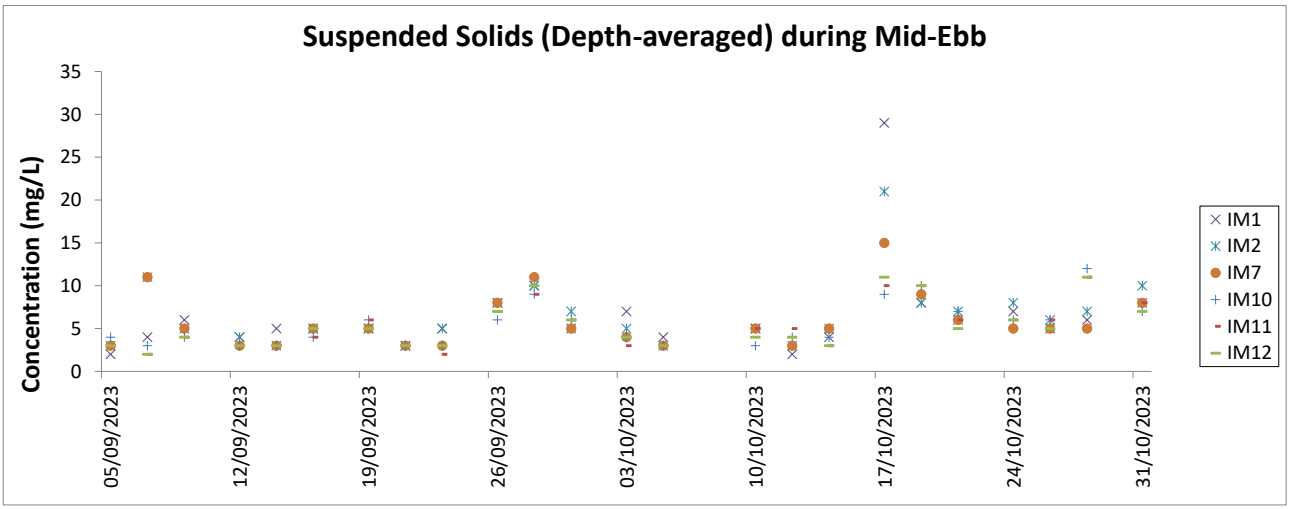

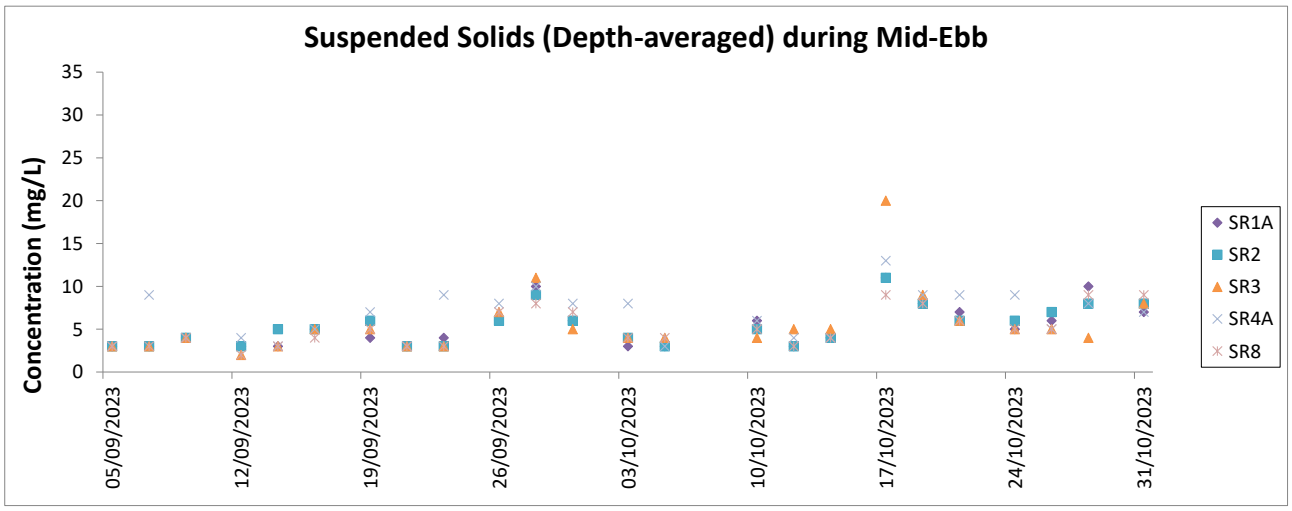

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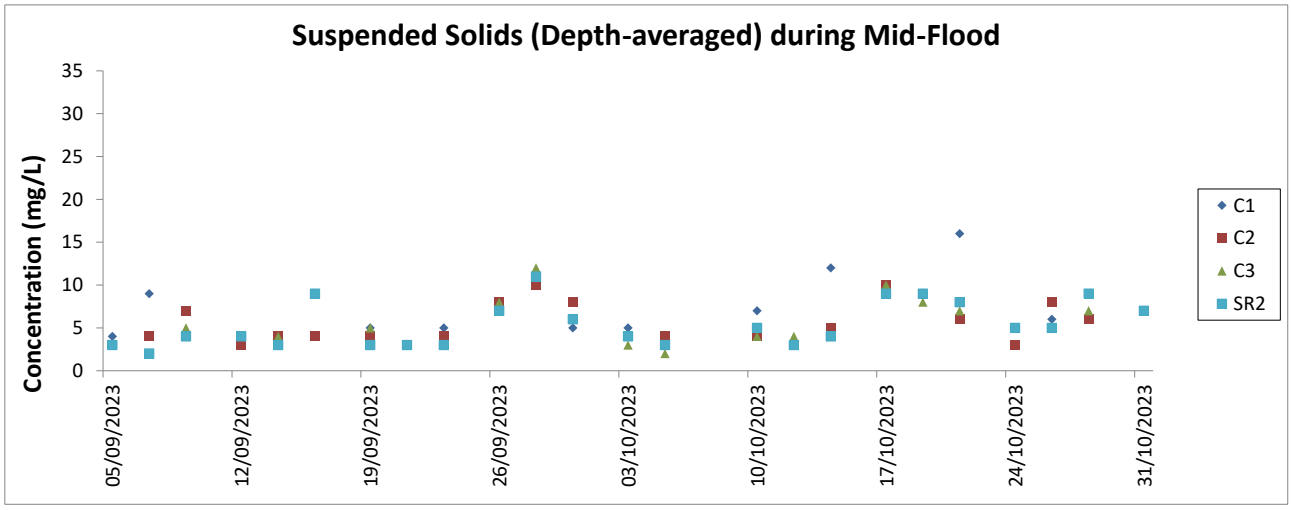

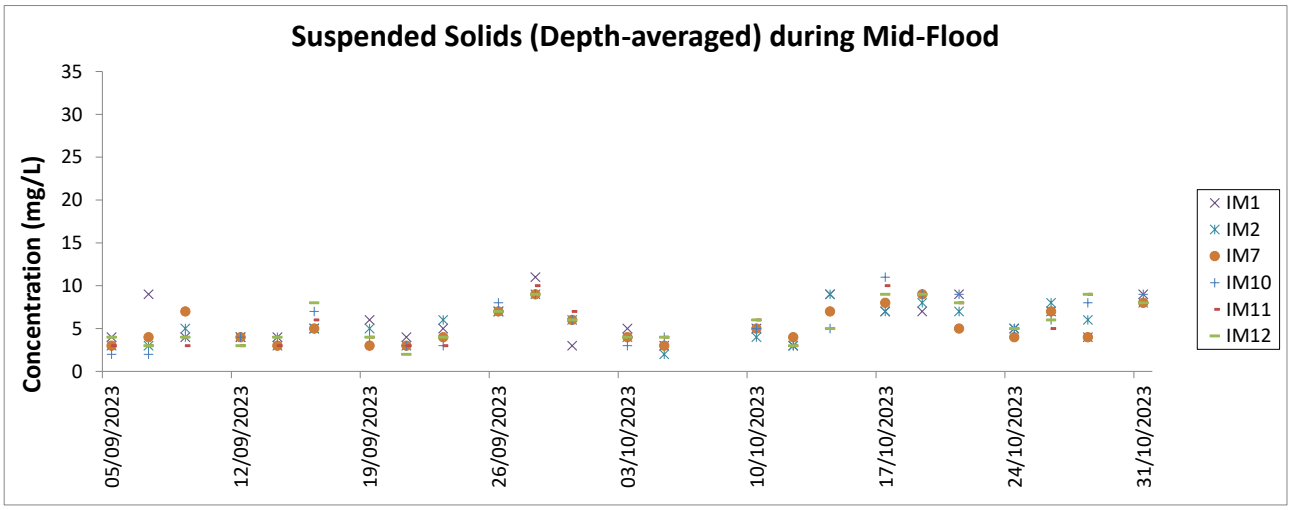

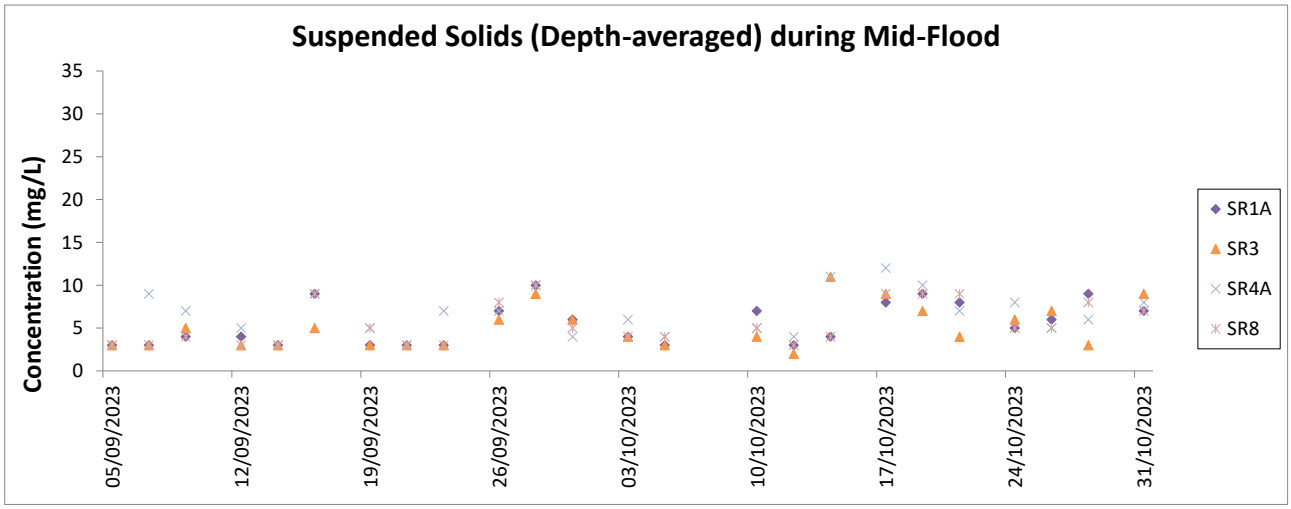

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Post-construction phase
Water Quality Monitoring Results

Summary of the Post-construction Phase Water Quality Monitoring Results

Station	DO(Surface&Middle)(mg/L)		DO(Bottom)(mg/L)		Turbidity(NTU)		SS(mg/L)		Alkalinity(ppm)		Chromium(μg/L)		Nickel(μg/L)	
	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide	Ebb Tide	Flood Tide
C1	6.5 (6.1-7.0)	6.5 (6.1-6.9)	6.4 (6.1-6.9)	6.4 (6.1-6.6)	7.0 (1.4-13.8)	6.2 (1.0-14.3)	6 (2-19)	6 (2-13)	86 (77-91)	87 (82-91)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.7 (0.4-1.0)	0.7 (0.4-1.1)
C2	6.5 (6.2-7.1)	6.4 (6.1-6.9)	6.6 (6.2-7.2)	6.4 (6.1-7.0)	4.1 (1.7-9.8)	4.6 (1.1-10.5)	4 (2-9)	4 (2-9)	80 (45-92)	79 (47-92)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.6)	0.8 (0.6-1.3)
C3	6.2 (5.5-6.6)	6.1 (5.9-6.4)	6.4 (5.4-6.9)	6.4 (5.9-6.9)	4.1 (1.1-9.0)	4.7 (0.6-13.4)	5 (2-9)	4 (2-8)	79 (44-91)	78 (43-90)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.8 (0.5-1.2)	0.8 (0.4-1.2)
IM1	6.4 (6.3-7.1)	6.4 (6.1-6.8)	6.4 (6.2-6.7)	6.4 (6.1-6.7)	6.3 (2.1-13.9)	6.1 (1.0-14.9)	6 (2-18)	6 (2-25)	85 (73-91)	87 (82-93)	0.2 (0.2-0.3)	0.2 (0.2-0.3)	0.7 (0.4-0.9)	0.7 (0.4-0.9)
IM2	6.4 (6.1-6.9)	6.4 (6.2-6.8)	6.4 (6.1-6.6)	6.4 (6.1-6.7)	5.2 (1.9-11.8)	6.1 (1.7-13.0)	6 (2-16)	6 (2-22)	85 (45-94)	86 (46-92)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.7 (0.4-0.9)	0.7 (0.4-1.1)
IM3	6.4 (6.1-6.8)	6.4 (6.2-6.9)	6.4 (6.1-6.7)	6.4 (6.2-6.7)	5.7 (1.9-15.4)	6.0 (1.7-14.3)	6 (2-22)	5 (2-21)	86 (46-93)	87 (44-95)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.7 (0.4-0.9)	0.7 (0.4-1.0)
IM4	6.5 (6.2-7.0)	6.4 (6.1-7.0)	6.5 (6.3-6.7)	6.4 (6.1-6.6)	5.6 (1.6-13.8)	5.7 (1.3-13.9)	5 (2-16)	6 (2-19)	86 (79-93)	88 (82-95)	0.2 (0.2-0.2)	0.2 (0.2-0.3)	0.7 (0.4-0.9)	0.7 (0.4-1.0)
IM5	6.5 (6.2-6.8)	6.4 (6.1-6.6)	6.5 (6.2-6.8)	6.4 (6.1-6.6)	4.8 (1.1-13.8)	5.6 (1.1-13.8)	5 (2-21)	6 (2-27)	86 (69-91)	86 (46-92)	0.2 (0.2-0.2)	0.2 (0.2-0.3)	0.7 (0.4-0.9)	0.7 (0.4-1.0)
IM6	6.4 (6.3-6.7)	6.4 (6.0-6.6)	6.5 (6.3-6.7)	6.4 (6.1-6.6)	4.9 (0.8-13.0)	4.2 (0.8-12.5)	6 (2-23)	6 (2-18)	85 (45-92)	86 (45-95)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.7 (0.4-1.0)	0.7 (0.4-1.0)
IM7	6.4 (6.1-6.6)	6.4 (6.0-6.8)	6.4 (6.1-6.5)	6.4 (6.0-6.6)	4.0 (0.6-11.7)	3.6 (0.6-10.3)	6 (2-18)	5 (2-16)	85 (43-93)	86 (47-94)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.7 (0.4-1.1)	0.7 (0.4-1.0)
IM8	6.5 (6.2-7.0)	6.5 (6.2-6.9)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	4.2 (0.9-10.9)	4.5 (0.4-13.9)	5 (2-8)	3 (2-7)	80 (44-92)	79 (44-91)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.4-1.3)	0.8 (0.6-1.2)
IM9	6.5 (6.0-6.9)	6.5 (6.1-6.8)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.7 (0.7-8.2)	3.8 (1.1-10.5)	5 (2-10)	4 (2-7)	81 (43-91)	80 (43-91)	0.2 (0.2-0.3)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.6-1.2)
IM10	6.4 (6.0-6.9)	6.4 (6.1-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.6 (0.5-10.8)	3.7 (1.1-10.6)	5 (2-9)	4 (2-6)	80 (48-91)	80 (48-90)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.6-1.2)
IM11	6.5 (6.2-6.9)	6.4 (5.9-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.4 (0.6-9.0)	3.8 (1.0-8.0)	4 (2-9)	4 (2-8)	80 (52-91)	80 (52-91)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.4-1.2)
IM12	6.4 (6.2-6.7)	6.4 (5.9-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	3.6 (1.0-8.3)	3.8 (1.0-10.8)	5 (2-11)	4 (2-7)	79 (45-91)	78 (45-90)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.4-1.2)	0.8 (0.4-1.2)
SR1A	6.5 (6.0-6.9)	6.4 (6.1-6.8)	6.7 (6.4-7.0)	6.6 (6.3-7.0)	3.1 (0.7-6.0)	4.1 (0.7-10.6)	5 (2-8)	4 (2-7)	-	-	-	-	-	-
SR2	6.6 (6.0-6.9)	6.5 (6.3-6.8)	6.7 (6.0-7.2)	6.6 (6.4-7.0)	3.6 (0.9-8.7)	4.2 (0.5-12.0)	4 (2-9)	4 (2-6)	81 (43-102)	79 (43-102)	0.2 (0.2-0.2)	0.2 (0.2-0.2)	0.8 (0.5-1.3)	0.8 (0.4-1.1)
SR3	6.5 (6.3-6.7)	6.5 (6.3-7.1)	6.6 (6.4-7.0)	6.6 (6.3-7.1)	4.0 (1.1-11.3)	3.4 (0.5-8.3)	4 (2-8)	4 (2-8)	-	-	-	-	-	-
SR4A	6.4 (5.9-7.1)	6.4 (6.0-6.8)	6.4 (5.9-6.8)	6.4 (6.0-6.6)	4.7 (1.1-13.9)	4.4 (1.1-10.5)	5 (2-15)	4 (2-9)	-	-	-	-	-	-
SR5A	6.4 (6.0-6.8)	6.4 (6.0-6.6)	6.4 (6.0-6.8)	6.4 (6.0-6.6)	5.6 (1.7-13.0)	3.9 (1.4-10.3)	6 (2-20)	5 (2-12)	-	-	-	-	-	-
SR6	6.3 (5.9-7.0)	6.4 (5.8-6.8)	6.3 (6.0-6.9)	6.3 (5.9-6.7)	4.1 (0.5-12.2)	4.2 (1.1-12.2)	6 (2-14)	4 (2-8)	-	-	-	-	-	-
SR7	6.1 (5.5-6.5)	6.1 (5.8-6.5)	6.3 (5.4-6.9)	6.3 (5.8-6.9)	3.1 (0.5-9.3)	3.3 (1.4-7.1)	4 (2-9)	4 (2-7)	-	-	-	-	-	-
SR8	6.4 (6.0-6.6)	6.4 (6.0-6.7)	6.6 (6.3-7.1)	6.6 (6.2-7.0)	4.1 (1.2-12.0)	4.4 (1.0-8.0)	4 (2-9)	4 (2-7)	-	-	-	-	-	-

Note: (1) Average value and the range of values (in bracket) are presented in each cell.

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 November 23 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	Fine	Rough	13:17	7.9	Surface	1.0	0.2	220	24.3	24.3	8.2	8.2	30.5	30.5	88.5	88.5	6.2	6.2	5.3	6.1	5	6	82	85	815628	804260	0.2	0.2	0.7	0.7
						1.0	0.2	213	24.3		8.2		30.5		88.5		6.2		5.3		5		82				0.2		0.6	
					Middle	4.0	0.2	210	24.3	24.3	8.2	8.2	30.6	30.6	88.0	88.0	6.2		4.9		5		84				0.2		0.7	
						4.0	0.2	213	24.3		8.2		30.6		88.0		6.2		4.9		5		84				0.3		0.6	
					Bottom	6.9	0.2	216	24.3	24.3	8.2	8.2	30.8	30.8	87.4	87.5	6.1	6.2	8.0		6		88				0.2		0.6	
						6.9	0.2	218	24.3		8.2		30.8		87.5		6.2		8.1		7		88				0.2		0.7	
C2	Fine	Moderate	11:55	9.2	Surface	1.0	0.0	2	25.3	25.3	8.0	8.0	29.2	29.2	89.0	89.0	6.2	6.2	3.9	4.7	5	6	47	74	825674	806939	0.2	0.2	0.7	0.7
						1.0	0.0	9	25.3		8.0		29.2		88.9		6.2		3.9		6		47				0.2		0.8	
					Middle	4.6	0.0	11	25.2	25.2	8.0	8.0	29.2	29.2	89.0	89.1	6.2		4.9		6		82				0.2		0.7	
						4.6	0.1	12	25.2		8.0		29.2		89.1		6.2		4.8		5		83				0.2		0.8	
					Bottom	8.2	0.1	353	25.2	25.2	8.0	8.0	29.2	29.2	89.4	89.5	6.2	6.2	5.2		6		91				<0.2		0.6	
						8.2	0.1	355	25.2		8.0		29.2		89.5		6.2		5.2		7		91				<0.2		0.6	
C3	Fine	Moderate	14:33	10.0	Surface	1.0	0.2	79	25.5	25.5	8.0	8.0	30.7	30.7	91.2	91.3	6.3	6.4	1.1	1.5	5	5	51	74	822102	817780	0.3	0.3	0.8	0.7
						1.0	0.2	85	25.5		8.0		30.7		91.4		6.3		1.1		5		51				0.3		0.7	
					Middle	5.0	0.2	64	25.5	25.5	8.0	8.0	30.8	30.8	92.4	94.2	6.4		1.2		5		85				0.3		0.7	
						5.0	0.1	57	25.5		8.0		30.8		96.0		6.6		1.2		6		85				0.3		0.7	
					Bottom	9.0	0.2	53	25.5	25.5	8.0	8.0	30.8	30.8	96.9	97.2	6.7	6.7	2.3		6		87				0.3		0.7	
						9.0	0.2	46	25.5		8.0		30.8		97.5		6.7		2.3		4		87				0.3		0.6	
IM1	Fine	Rough	12:57	6.8	Surface	1.0	0.1	185	24.3	24.3	8.3	8.3	30.3	30.3	90.4	90.4	6.4	6.4	3.8	5.8	5	6	82	86	818351	806442	0.3	0.2	0.6	0.6
						1.0	0.2	192	24.3		8.3		30.3		90.4		6.4		3.9		5		83				0.3		0.7	
					Middle	3.4	0.1	196	24.3	24.3	8.3	8.3	30.4	30.4	89.2	89.2	6.3		4.5		6		86				<0.2		0.6	
						3.4	0.1	191	24.3		8.3		30.4		89.2		6.3		4.5		5		86				<0.2		0.7	
					Bottom	5.8	0.1	202	24.3	24.3	8.2	8.2	30.6	30.6	88.0	88.0	6.2	6.2	9.0		7		90				0.2		0.6	
						5.8	0.1	204	24.3		8.2		30.6		88.0		6.2		9.0		8		90				0.2		0.6	
IM2	Fine	Rough	12:51	7.2	Surface	1.0	0.1	164	24.4	24.4	8.2	8.2	30.4	30.4	87.6	87.6	6.2	6.2	4.5	4.0	6	6	85	88	818867	806196	<0.2	0.2	0.6	0.6
						1.0	0.1	156	24.4		8.2		30.4		87.5		6.2		4.6		7		85				<0.2		0.6	
					Middle	3.6	0.1	176	24.4	24.4	8.2	8.2	30.5	30.5	86.8	86.8	6.1		3.3		6		87				<0.2		0.5	
						3.6	0.1	179	24.4		8.2		30.5		86.8		6.1		3.3		7		87				<0.2		0.5	
					Bottom	6.2	0.1	165	24.4	24.4	8.2	8.2	30.6	30.6	86.8	86.8	6.1	6.1	4.1		5		91				0.2		0.6	
						6.2	0.1	168	24.4		8.2		30.6		86.8		6.1		4.1		6		91				0.2		0.5	
IM3	Fine	Rough	12:44	7.5	Surface	1.0	0.1	156	24.4	24.4	8.3	8.3	30.1	30.1	89.7	89.7	6.3	6.2	3.6	4.7	6	5	85	88	819390	805999	0.2	0.2	0.7	0.6
						1.0	0.0	161	24.4		8.3		30.1		89.7		6.3		3.6		5		85				0.3		0.6	
					Middle	3.8	0.1	183	24.5	24.5	8.3	8.3	30.6	30.7	87.6	87.7	6.1		4.2		5		87				0.2		0.6	
						3.8	0.1	186	24.5		8.3		30.7		87.7		6.1		4.2		5		87				0.2		0.6	
					Bottom	6.5	0.0	178	24.5	24.5	8.2	8.2	30.7	30.7	87.8	87.8	6.1	6.2	6.3		4		90				<0.2		0.6	
						6.5	0.0	176	24.5		8.2		30.7		87.8		6.2		6.4		5		91				<0.2		0.6	
IM4	Fine	Rough	12:38	8.4	Surface	1.0	0.1	160	24.3	24.3	8.3	8.3	29.9	29.9	90.3	90.3	6.4	6.3	4.5	7.3	5	5	84	86	819567	805062	<0.2	<0.2	0.6	0.6
						1.0	0.2	162	24.3		8.3		29.9		90.3		6.4		4.5		5		84				<0.2		0.6	
					Middle	4.2	0.1	191	24.5	24.5	8.2	8.2	30.5	30.5	88.5	88.6	6.2		8.1		5		84				<0.2		0.6	
						4.2	0.1	191	24.5		8.2		30.5		88.6		6.2		8.2		6		84				<0.2		0.6	
					Bottom	7.4	0.1	181	24.4	24.4	8.2	8.2	30.5	30.6	90.6	90.9	6.4	6.4	9.1		5		88				<0.2		0.5	
						7.4	0.1	180	24.4		8.2		30.6		91.2		6.4		9.2		6		89				<0.2		0.6	
IM5	Fine	Rough	12:26	7.1	Surface	1.0	0.1	144	24.3	24.3	8.3	8.3	30.2	30.2	89.2	89.2	6.3	6.3	5.3	7.4	5	5	84	87	820558	804913	<0.2	<0.2	0.5	0.5
						1.0	0.2	149	24.3		8.3		30.1		89.2		6.3		5.3		4		85				<0.2		0.5	
					Middle	3.6	0.1	127	24.4	24.4	8.3	8.3	30.3	30.3	88.4	88.4	6.2		7.2		4		87				<0.2		0.5	
						3.6	0.1	133	24.4		8.3		30.3		88.4		6.2		7.2		5		87				<0.2		0.6	
					Bottom	6.1	0.1	137	24.4	24.4	8.2	8.2	30.5	30.5	87.9	87.9	6.2	6.2	9.6		5		90				<0.2		0.6	
						6.1	0.1	141	24.4		8.2		30.5		87.9		6.2		9.6		5		90				<0.2		0.5	
IM6	Fine	Rough	12:13	7.3	Surface	1.0	0.1	106	24.3	24.3	8.2	8.2	30.5	30.5	89.8	89.8	6.3	6.3	5.5	7.7	5	6	85	88	821041	805810	<0.2	<0.2	0.5	0.5
						1.0	0.1	112	24.3		8.2		30.5		89.8		6.3		5.5		6		85				<0.2		0.5	
					Middle	3.7	0.1	85	24.3	24.3	8.2	8.2	30.5	30.5	89.2	89.2	6.3		7.7		5		87				<0.2		0.6	
						3.7	0.2	79	24.3		8.2		30.5		89.2		6.3		7.7		6		88				<0.2		0.5	
					Bottom	6.3	0.1	108	24.3	24.3	8.2	8.2	30.6	30.6	89.5	89.6	6.3	6.3	9.8		7		90				<0.2		0.6	
						6.3	0.1	113	24.3		8.2		30.6		89.6		6.3		9.8		6		90				<0.2		0.5	
IM7	Fine	Rough	12:02	7.8	Surface	1.0	0.1	66	24.6	24.6	8.2	8.2	29.3	29.3	86.7	86.7	6.1	6.1	2.6	4.8	4	5	85	89	821343	806847	<0.2	<0.2	0.5	0.6
						1.0	0.1	73	24.6		8.2		29.3		86.7		6.1		2.6		5		86				<0.2		0.5	
					Middle	3.9	0.2	66	24.4	24.4	8.2	8.2	29.7	29.7	86.4	86.5	6.1		4.8		4		88				<0.2		0.5	
						3.9	0.2	65	24.4		8.2		29.7		86.5		6.1		4.8		5		88				<0.2		0.5	
					Bottom	6.8	0.2	84	24.2	24.2	8.2	8.2	30.1	30.1	86.5	86.5	6.1	6.1	7.1		5		93				<0.2		0.6	
						6.8	0.2	78	24.2		8.2		30.1		86.5		6.1		7.0		5		93				<0.2		0.7	
IM8	Fine	Moderate	12:24	7.4	Surface	1.0	0.1	72	25.1	25.1	8.0	8.0	29.5	29.6	92.8	92.9	6.5	6.5	4.6	5.5	5	6	84	88	821700	807850	<0.2	<0.2	0.8	0.7
						1.0	0.1	69	25.1		8.0		29.6		92.9		6.5		4.6		6		85				<0.2		0.6	
					Middle	3.7	0.1	69	24.9	24.9	8.0	8.0	29.9	30.0	93.3	93.4	6.5		5.4		6		88				<0.2		0.7	
						3.7	0.0	67	24.9		8.0		30.0		93.5		6.5		5.4		6		88				<0.2		0.7	
					Bottom	6.4	0.1	64	24.7	24.8	8.1	8.1	30.3	30.3	97.5	97.8	6.8	6.8	6.6		7		90				<0.2		0.7	
						6.4	0.0	70	24.8		8.1		30.3		98.0		6.8		6.6		6		91				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	12:31	8.6	Surface	1.0	0.1	72	25.2	25.2	8.0	8.0	29.4	29.4	90.7	90.8	6.3	6.4	2.9	3.8	5	6	84	88	822102	808830	<0.2	0.2	0.8	0.7
						1.0	0.1	69	25.2		8.0		29.4		90.8		6.3		3.0		6		85				<0.2		0.6	
					Middle	4.3	0.1	94	25.1	25.1	8.0	8.0	29.7	29.7	92.1	92.2	6.4		3.3		5		88				<0.2		0.6	
						4.3	0.0	90	25.1		8.0		29.7		92.3		6.4		3.4		6		89				<0.2		0.6	
					Bottom	7.6	0.2	65	24.9	24.9	8.0	8.0	30.0	30.0	94.3	94.6	6.6	6.6	5.0		7		89				0.3		0.8	
						7.6	0.2	72	24.9		8.0		30.0		94.8		6.6		5.0		6		90				0.3		0.7	
IM10	Fine	Moderate	12:38	9.8	Surface	1.0	0.1	90	25.2	25.2	8.0	8.0	30.0	30.0	89.6	89.6	6.2	6.3	2.0	3.2	5	6	52	77	822220	809860	<0.2	<0.2	0.7	0.7
						1.0	0.2	95	25.2		8.0		30.0		89.6		6.2		2.0		6		52				<0.2		0.7	
					Middle	4.9	0.2	88	25.1	25.1	8.0	8.0	30.0	30.0	90.4	90.5	6.3		3.2		5		89				<0.2		0.6	
						4.9	0.2	81	25.1		8.0		30.0		90.6		6.3		3.2		6		89				<0.2		0.6	
					Bottom	8.8	0.2	75	25.1	25.1	8.0	8.0	30.0	30.0	98.6	98.9	6.9	6.9	4.3		7		90				<0.2		0.6	
						8.8	0.2	68	25.1		8.0		30.0		99.1		6.9		4.3		8		90				<0.2		0.8	
IM11	Fine	Moderate	12:54	10.0	Surface	1.0	0.2	82	25.2	25.2	8.0	8.0	30.1	30.2	89.4	89.5	6.2	6.3	2.1	3.3	6	5	62	75	821483	810554	<0.2	<0.2	0.6	0.7
						1.0	0.2	87	25.2		8.0		30.2		89.5		6.2		2.1		6		63				<0.2		0.7	
					Middle	5.0	0.2	82	25.3	25.3	8.0	8.0	30.2	30.2	91.2	91.4	6.3		3.2		5		78				<0.2		0.7	
						5.0	0.2	76	25.3		8.0		30.2		91.6		6.3		3.2		5		78				<0.2		0.6	
					Bottom	9.0	0.2	104	25.3	25.3	8.0	8.0	30.2	30.2	93.0	93.1	6.4	6.5	4.6		5		84				<0.2		0.6	
						9.0	0.2	102	25.3		8.0		30.2		93.2		6.5		4.5		5		85				<0.2		0.7	
IM12	Fine	Moderate	13:17	10.0	Surface	1.0	0.2	107	25.4	25.4	8.0	8.0	30.2	30.2	89.0	89.1	6.2	6.3	4.2	5.2	4	5	48	74	821162	811506	<0.2	<0.2	0.6	0.6
						1.0	0.2	102	25.4		8.0		30.2		89.1		6.2		4.2		5		48				<0.2		0.7	
					Middle	5.0	0.2	114	25.4	25.4	8.0	8.0	30.3	30.3	91.2	91.4	6.3		5.2		5		86				<0.2		0.6	
						5.0	0.2	112	25.4		8.0		30.3		91.6		6.3		5.2		5		86				<0.2		0.7	
					Bottom	9.0	0.2	94	25.3	25.3	8.0	8.0	30.3	30.3	94.3	94.7	6.5	6.6	6.1		6		88				<0.2		0.6	
						9.0	0.2	92	25.3		8.0		30.3		95.1		6.6		6.1		7		88				<0.2		0.6	
SR1A	Fine	Moderate	14:09	4.8	Surface	1.0	0.0	17	25.1	25.1	8.0	8.0	29.9	29.9	91.8	91.9	6.4	6.4	3.2	3.9	6	6	-	-	819978	812660	-	-	-	-
						1.0	0.0	19	25.1		8.0		29.9		91.9		6.4		3.2		5		-				-		-	
					Middle	2.4	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.4	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	9	25.1	25.1	8.0	8.0	30.0	30.0	99.0	99.4	6.9	6.9	4.5		7		-				-		-	
						3.8	0.0	13	25.1		8.0		30.0		99.7		6.9		4.5		6		-				-		-	
SR2	Fine	Moderate	14:16	5.0	Surface	1.0	0.2	21	25.2	25.2	8.0	8.0	30.1	30.1	92.2	93.9	6.4	6.5	2.6	3.1	6	5	74	83	821457	814188	<0.2	<0.2	0.7	0.7
						1.0	0.2	19	25.2		8.0		30.1		95.6		6.6		2.5		5		74				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	55	25.2	25.2	8.0	8.0	30.0	30.0	98.2	98.6	6.8	6.9	3.7		4		92				<0.2		0.7	
						4.0	0.3	54	25.2		8.0		30.0		98.9		6.9		3.7		5		92				<0.2		0.7	
SR3	Fine	Moderate	12:20	7.8	Surface	1.0	0.0	67	25.1	25.1	8.0	8.0	29.6	29.6	93.8	93.9	6.6	6.6	3.2	3.7	4	6	-	-	822157	807572	-	-	-	-
						1.0	0.1	69	25.0		8.0		29.6		93.9		6.6		3.2		6		-				-		-	
					Middle	3.9	0.1	77	24.9	24.9	8.0	8.0	30.1	30.1	94.8	94.9	6.6		3.9		5		-				-		-	
						3.9	0.1	76	24.9		8.0		30.1		94.9		6.6		3.9		6		-				-		-	
					Bottom	6.8	0.1	83	24.8	24.9	8.0	8.0	30.2	30.2	98.9	99.3	6.9	7.0	4.0		7		-				-		-	
						6.8	0.1	76	24.9		8.0		30.1		99.6		7.0		4.0		8		-				-		-	
SR4A	Fine	Moderate	13:43	9.5	Surface	1.0	0.0	358	24.2	24.2	8.2	8.2	30.6	30.6	87.4	87.4	6.2	6.2	4.5	5.5	6	6	-	-	817207	807803	-	-	-	-
						1.0	0.0	2	24.2		8.2		30.6		87.4		6.2		4.5		5		-				-		-	
					Middle	4.8	0.0	340	24.2	24.2	8.2	8.2	30.7	30.7	87.0	87.1	6.1		5.3		6		-				-		-	
						4.8	-	339	24.2		8.2		30.7		87.1		6.1		5.4		6		-				-		-	
					Bottom	8.5	0.0	21	24.2	24.2	8.2	8.2	30.7	30.7	87.4	87.5	6.2	6.2	6.7		7		-				-		-	
						8.5	0.0	18	24.2		8.2		30.7		87.5		6.2		6.8		7		-				-		-	
SR5A	Fine	Moderate	14:01	4.9	Surface	1.0	0.1	120	24.2	24.2	8.2	8.2	29.6	29.7	85.7	85.7	6.1	6.1	9.7	7.5	6	8	-	-	816593	810711	-	-	-	-
						1.0	0.1	123	24.2		8.2		29.7		85.6		6.1		9.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	88	24.1	24.1	8.2	8.2	30.3	30.3	86.7	86.7	6.1	6.1	5.2		8		-				-		-	
						3.9	0.1	82	24.1		8.2		30.3		86.7		6.1		5.2		9		-				-		-	
SR6	Fine	Moderate	14:27	5.1	Surface	1.0	0.0	56	24.7	24.7	8.2	8.2	29.6	29.6	83.3	83.4	5.9	5.9	5.9	5.6	7	7	-	-	817876	814680	-	-	-	-
						1.0	0.0	49	24.7		8.2		29.6		83.4		5.9		5.9		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.0	54	24.7	24.7	8.2	8.2	29.6	29.6	85.1	85.2	6.0	6.0	5.2		5		-				-		-	
						4.1	0.1	58	24.7		8.2		29.6		85.2		6.0		5.2		6		-				-		-	
SR7	Fine	Moderate	15:00	12.2	Surface	1.0	0.3	56	25.6	25.6	8.0	8.0	30.9	30.9	89.2	89.3	6.1	6.2	1.6	2.5	5	6	-	-	823628	823755	-	-	-	-
						1.0	0.2	50	25.6		8.0		30.9		89.3		6.1		1.5		5		-				-		-	
					Middle	6.1	0.3	75	25.5	25.5	8.0	8.0	30.9	30.9	90.8	91.0	6.2		2.8		5		-				-		-	
						6.1	0.3	67	25.5		8.0		30.9		91.2		6.3		2.8		5		-				-		-	
					Bottom	11.2	0.3	48	25.5	25.5	8.0	8.0	30.9	30.9	96.2	96.5	6.6	6.6	3.0		6		-				-		-	
						11.2	0.2	54	25.5		8.0		30.9		96.7		6.6		3.0		7		-				-		-	
SR8	Fine	Moderate	14:00	5.8	Surface	1.0	-	-	25.2	25.2	8.0	8.0	30.1	30.1	89.8	89.9	6.2	6.2	3.7	4.1	6	6	-	-	820412	811636	-	-	-	-
						1.0	-	-	25.2		8.0		30.1		89.9		6.2		3.7		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	25.2	25.2	8.0	8.0	30.0	30.0	99.9	100.5	6.9	7.0	4.5		6		-				-		-	
						4.8	-	-	25.2		8.0		30.0		101.0		7.0		4.4		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	07:46	7.3	Surface	1.0	0.4	22	24.3	24.3	8.2	8.2	30.3	30.4	88.5	88.5	6.2	6.2	6.6	8.0	7	6	83	87	815631	804251	0.2	0.2	0.6	0.6
						1.0	0.4	20	24.3		8.2		30.4		88.5		6.2		6.6		6		83				0.2		0.5	
					Middle	3.7	0.4	38	24.3	24.3	8.2	8.2	30.5	30.5	87.8	87.8	6.2		8.3		7		88				0.2		0.6	
						3.7	0.4	34	24.3		8.2		30.5		87.8		6.2		8.2		6		88				0.2		0.6	
					Bottom	6.3	0.4	13	24.3	24.3	8.2	8.2	30.8	30.8	87.5	87.5	6.1	6.2	9.2		6		90				<0.2		0.6	
						6.3	0.4	11	24.3		8.2		30.8		87.5		6.2		9.3		6		90				<0.2		0.6	
C2	Fine	Moderate	09:24	10.4	Surface	1.0	0.5	345	25.2	25.2	8.0	8.0	29.2	29.2	90.4	90.5	6.3	6.4	4.0	5.0	4	5	52	78	825681	806965	<0.2	<0.2	0.7	0.7
						1.0	0.5	351	25.2		8.0		29.2		90.5		6.3		4.0		4		52				<0.2		0.7	
					Middle	5.2	0.5	2	25.2	25.2	8.0	8.0	29.2	29.2	91.2	91.3	6.4		4.9		5		91				<0.2		0.6	
						5.2	0.5	3	25.2		8.0		29.2		91.3		6.4		5.0		5		91				<0.2		0.6	
					Bottom	9.4	0.5	12	25.0	25.0	8.0	8.0	29.3	29.4	92.9	93.1	6.5	6.5	6.1		5		90				<0.2		0.6	
						9.4	0.5	6	24.9		8.0		29.4		93.3		6.5		6.1		6		90				<0.2		0.8	
C3	Fine	Moderate	07:42	9.8	Surface	1.0	0.4	273	25.6	25.6	8.0	8.0	30.7	30.7	85.7	85.7	5.9	5.9	1.4	2.7	6	5	44	72	822127	817809	0.2	0.2	0.7	0.7
						1.0	0.4	278	25.6		8.0		30.7		85.7		5.9		1.4		5		44				0.2		0.8	
					Middle	4.9	0.5	259	25.6	25.6	8.0	8.0	30.7	30.7	86.1	86.1	5.9		2.3		5		86				0.2		0.6	
						4.9	0.5	258	25.6		8.0		30.7		86.1		5.9		2.3		5		86				0.2		0.7	
					Bottom	8.8	0.5	276	25.6	25.6	8.0	8.0	30.7	30.7	86.6	86.7	6.0	6.0	4.3		5		86				<0.2		0.7	
						8.8	0.5	283	25.6		8.0		30.7		86.7		6.0		4.3		5		86				<0.2		0.7	
IM1	Fine	Moderate	08:13	6.5	Surface	1.0	0.3	15	24.2	24.2	8.2	8.2	30.4	30.4	86.7	86.7	6.1	6.1	4.8	5.5	5	6	82	85	818360	806461	<0.2	0.2	0.7	0.7
						1.0	0.3	13	24.2		8.2		30.4		86.7		6.1		4.7		6		82				<0.2		0.6	
					Middle	3.3	0.3	5	24.3	24.3	8.2	8.2	30.5	30.5	86.5	86.5	6.1		5.0		6		84				<0.2		0.7	
						3.3	0.3	12	24.3		8.2		30.5		86.5		6.1		5.0		6		84				<0.2		0.6	
					Bottom	5.5	0.2	14	24.3	24.3	8.2	8.2	30.6	30.6	86.3	86.3	6.1	6.1	6.8		6		90				0.2		0.6	
						5.5	0.3	16	24.3		8.2		30.6		86.3		6.1		6.9		6		90				0.3		0.7	
IM2	Fine	Moderate	08:21	7.0	Surface	1.0	0.3	9	24.3	24.3	8.2	8.2	30.2	30.2	88.0	88.0	6.2	6.2	6.6	8.2	6	7	83	88	818861	806173	0.2	0.2	0.7	0.6
						1.0	0.3	7	24.3		8.2		30.1		88.0		6.2		6.7		6		83				0.2		0.6	
					Middle	3.5	0.3	23	24.3	24.3	8.2	8.2	30.3	30.4	87.6	87.6	6.2		7.7		6		88				<0.2		0.7	
						3.5	0.3	24	24.3		8.2		30.4		87.6		6.2		7.8		7		88				<0.2		0.6	
					Bottom	6.0	0.2	1	24.3	24.3	8.2	8.2	30.7	30.7	87.0	87.1	6.1	6.1	10.1		7		91				<0.2		0.5	
						6.0	0.3	355	24.3		8.2		30.7		87.1		6.1		10.1		8		92				<0.2		0.5	
IM3	Fine	Moderate	08:35	7.3	Surface	1.0	0.3	0	24.3	24.3	8.3	8.3	30.0	30.0	88.7	88.7	6.3	6.3	6.2	6.9	6	6	85	87	819410	806040	<0.2	<0.2	0.7	0.7
						1.0	0.3	5	24.3		8.3		30.0		88.7		6.3		6.1		7		85				<0.2		0.6	
					Middle	3.7	0.3	8	24.4	24.4	8.2	8.2	30.2	30.2	87.8	87.9	6.2		6.3		7		86				<0.2		0.8	
						3.7	0.3	8	24.4		8.2		30.2		87.9		6.2		6.4		6		86				<0.2		0.7	
					Bottom	6.3	0.3	25	24.4	24.4	8.2	8.2	30.3	30.3	87.9	87.9	6.2	6.2	8.1		6		91				<0.2		0.7	
						6.3	0.3	21	24.4		8.2		30.3		87.9		6.2		8.0		5		91				<0.2		0.7	
IM4	Fine	Moderate	08:51	8.1	Surface	1.0	0.3	356	24.3	24.3	8.2	8.2	30.5	30.5	87.6	87.6	6.2	6.2	4.1	5.5	6	6	86	89	819569	805042	0.2	0.2	0.6	0.6
						1.0	0.3	2	24.3		8.2		30.4		87.6		6.2		4.1		6		87				0.3		0.7	
					Middle	4.1	0.3	18	24.3	24.3	8.2	8.2	30.6	30.6	87.7	87.8	6.2		5.8		5		88				<0.2		0.6	
						4.1	0.3	14	24.3		8.2		30.6		87.8		6.2		5.9		6		88				<0.2		0.6	
					Bottom	7.1	0.3	20	24.3	24.3	8.2	8.2	30.7	30.7	88.2	88.3	6.2	6.2	6.4		5		91				<0.2		0.6	
						7.1	0.3	27	24.3		8.2		30.7		88.3		6.2		6.4		5		91				<0.2		0.6	
IM5	Fine	Moderate	09:05	6.9	Surface	1.0	0.4	9	24.4	24.4	8.2	8.2	29.6	29.6	88.6	88.8	6.3	6.2	3.6	6.6	6	8	82	86	820583	804937	0.3	0.2	0.6	0.6
						1.0	0.4	13	24.4		8.2		29.6		89.0		6.3		3.6		6		82				0.3		0.7	
					Middle	3.5	0.4	352	24.3	24.3	8.2	8.2	30.6	30.6	87.2	87.3	6.1		8.8		8		86				<0.2		0.5	
						3.5	0.4	356	24.3		8.2		30.6		87.3		6.1		8.8		9		86				<0.2		0.6	
					Bottom	5.9	0.3	12	24.3	24.3	8.2	8.2	30.6	30.6	87.4	87.4	6.1	6.1	7.4		9		91				<0.2		0.6	
						5.9	0.4	11	24.3		8.2		30.6		87.4		6.1		7.5		10		91				<0.2		0.7	
IM6	Fine	Moderate	09:12	7.1	Surface	1.0	0.2	11	24.5	24.5	8.2	8.2	29.5	29.6	86.8	86.8	6.1	6.1	3.2	4.6	8	6	80	85	821053	805841	<0.2	<0.2	0.7	0.6
						1.0	0.3	16	24.4		8.2		29.6		86.8		6.1		3.2		7		80				<0.2		0.6	
					Middle	3.6	0.3	359	24.3	24.3	8.2	8.2	30.0	30.0	86.4	86.4	6.1		4.5		6		84				<0.2		0.6	
						3.6	0.3	352	24.3		8.2		30.0		86.4		6.1		4.5		6		84				<0.2		0.7	
					Bottom	6.1	0.2	25	24.2	24.2	8.2	8.2	30.2	30.2	86.1	86.1	6.1	6.1	6.1		5		91				<0.2		0.6	
						6.1	0.2	28	24.2		8.2		30.2		86.1		6.1		6.2		5		91				<0.2		0.6	
IM7	Fine	Moderate	09:27	7.3	Surface	1.0	0.3	29	24.6	24.6	8.2	8.2	29.1	29.0	86.3	86.4	6.1	6.1	2.8	6.0	6	5	79	84	821335	806825	<0.2	<0.2	0.5	0.6
						1.0	0.2	25	24.6		8.2		28.9		86.4		6.1		3.0		5		79				<0.2		0.5	
					Middle	3.7	0.2	35	24.4	24.4	8.2	8.2	29.8	29.8	85.9	85.9	6.1		5.1		4		82				<0.2		0.7	
						3.7	0.2	41	24.4		8.2		29.8		85.9		6.1		5.2		4		83				<0.2		0.6	
					Bottom	6.3	0.3	7	24.3	24.3	8.2	8.2	30.2	30.2	85.5	85.5	6.0	6.0	9.8		4		91				<0.2		0.6	
						6.3	0.3	4	24.3		8.2		30.2		85.5		6.0		9.8		4		91				<0.2		0.5	
IM8	Fine	Moderate	09:01	8.6	Surface	1.0	0.2	351	25.2	25.2	8.0	8.0	29.3	29.3	90.3	90.4	6.3	6.3	1.9	3.1	4	4	84	87	821716	807855	<0.2	<0.2	0.8	0.7
						1.0	0.2	346	25.2		8.0		29.3		90.4		6.3		1.9		5		85				<0.2		0.7	
					Middle	4.3	0.2	347	25.2	25.2	8.0	8.0	29.3	29.3	90.7	90.8	6.3		2.9		4		87				<0.2		0.7	
						4.3	0.2	342	25.2		8.0		29.3		90.8		6.3		3.0		4		87				<0.2		0.7	
					Bottom	7.6	0.3	346	25.1	25.1	8.0	8.0	29.6	29.6	93.1	93.3	6.5	6.5	4.4		4		90				<0.2		0.6	
						7.6	0.2	338	25.1		8.0		29.6		93.4		6.5		4.3		4		91				<0.2		0.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 14 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	08:54	7.8	Surface	1.0	0.4	314	24.9	24.9	8.0	8.0	29.7	29.8	92.1	92.2	6.4	6.5	2.5	3.9	4	4	85	88	822070	808825	<0.2	<0.2	0.7	0.7
						1.0	0.4	307	24.9		8.0		29.8		92.2		6.4		2.5		4		85				<0.2		0.6	
					Middle	3.9	0.4	316	24.9	24.9	8.0	8.0	30.0	30.0	94.7	94.9	6.6		3.8		4		88				<0.2		0.7	
						3.9	0.4	321	24.9		8.0		30.0		95.1		6.6		3.7		4		88				<0.2		0.7	
					Bottom	6.8	0.3	333	24.9	24.9	8.0	8.0	30.0	30.0	98.0	98.3	6.9	6.9	5.4		4		90				<0.2		0.7	
						6.8	0.3	338	24.9		8.0		30.0		98.5		6.9		5.3		4		91				<0.2		0.7	
IM10	Fine	Moderate	08:48	8.8	Surface	1.0	0.4	305	25.2	25.2	8.0	8.0	30.0	30.0	90.1	90.3	6.3	6.4	3.7	4.5	4	4	49	75	822259	809849	0.2	0.2	0.8	0.8
						1.0	0.4	305	25.2		8.0		30.0		90.4		6.3		3.7		5		49				0.2		0.8	
					Middle	4.4	0.5	276	25.2	25.2	8.0	8.0	30.0	30.0	92.4	92.6	6.4		4.0		4		86				0.2		0.8	
						4.4	0.5	280	25.2		8.0		30.0		92.7		6.4		4.0		4		86				0.2		0.7	
					Bottom	7.8	0.4	301	25.2	25.2	8.0	8.0	30.0	30.0	94.9	95.1	6.6	6.6	5.8		4		89				<0.2		0.8	
						7.8	0.4	293	25.2		8.0		30.0		95.2		6.6		5.7		4		89				<0.2		0.9	
IM11	Fine	Moderate	08:42	8.0	Surface	1.0	0.5	287	25.2	25.2	8.0	8.0	30.0	30.0	90.0	90.1	6.3	6.4	4.9	5.6	4	5	52	76	821520	810546	<0.2	0.2	0.7	0.7
						1.0	0.5	283	25.2		8.0		30.0		90.1		6.3		4.9		5		52				<0.2		0.7	
					Middle	4.0	0.4	287	25.1	25.1	8.0	8.0	30.0	30.0	91.4	91.5	6.4		5.2		4		87				<0.2		0.7	
						4.0	0.4	288	25.1		8.0		30.0		91.6		6.4		5.2		5		87				<0.2		0.7	
					Bottom	7.0	0.4	278	25.1	25.1	8.0	8.0	30.0	30.0	93.9	94.1	6.5	6.6	6.6		5		90				0.2		0.7	
						7.0	0.4	270	25.1		8.0		30.0		94.2		6.6		6.5		5		90				0.2		0.6	
IM12	Fine	Moderate	08:36	9.4	Surface	1.0	0.5	288	25.2	25.2	8.0	8.0	30.0	30.0	89.2	89.2	6.2	6.2	2.2	3.3	4	4	45	73	821185	811538	0.2	0.2	0.6	0.7
						1.0	0.5	282	25.2		8.0		30.0		89.2		6.2		2.2		4		46				0.2		0.6	
					Middle	4.7	0.5	289	25.2	25.2	8.0	8.0	30.0	30.0	89.7	89.8	6.2		3.5		4		86				<0.2		0.7	
						4.7	0.6	282	25.2		8.0		30.0		89.8		6.2		3.5		4		86				<0.2		0.8	
					Bottom	8.4	0.5	277	25.2	25.2	8.0	8.0	30.0	30.0	90.5	90.6	6.3	6.3	4.1		4		87				0.2		0.7	
						8.4	0.5	272	25.2		8.0		30.0		90.6		6.3		4.1		4		87				0.2		0.8	
SR1A	Fine	Moderate	08:16	4.0	Surface	1.0	0.0	198	24.9	24.9	8.0	8.0	29.8	29.8	92.8	93.0	6.5	6.5	5.1	6.0	4	4	-	-	819975	812653	-	-	-	-
						1.0	0.0	199	24.9		8.0		29.8		93.2		6.5		5.1		4		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	218	24.9	24.9	8.0	8.0	29.7	29.7	99.6	100.1	7.0	7.0	6.8		4		-				-		-	
						3.0	0.1	221	24.9		8.0		29.7		100.5		7.0		6.9		4		-				-		-	
SR2	Fine	Moderate	08:02	4.6	Surface	1.0	0.1	232	25.1	25.1	8.0	8.0	30.1	30.1	91.8	92.0	6.4	6.4	4.3	4.8	5	4	43	65	821446	814156	0.2	0.2	0.7	0.7
						1.0	0.1	231	25.1		8.0		30.1		92.2		6.4		4.2		4		44				0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.2	209	25.0	25.0	8.0	8.0	30.1	30.1	94.1	94.3	6.6	6.6	5.4		4		87				0.2		0.7	
						3.6	0.1	206	25.0		8.0		30.1		94.4		6.6		5.4		4		87				0.2		0.6	
SR3	Fine	Moderate	09:06	8.6	Surface	1.0	0.4	354	25.1	25.1	8.0	8.0	29.6	29.7	89.9	90.0	6.3	6.3	3.6	5.0	4	4	-	-	822136	807549	-	-	-	-
						1.0	0.4	348	25.1		8.0		29.7		90.0		6.3		3.6		4		-				-		-	
					Middle	4.3	0.4	327	24.9	24.9	8.0	8.0	30.1	30.1	90.0	90.0	6.3		5.3		5		-				-		-	
						4.3	0.4	327	24.9		8.0		30.1		90.0		6.3		5.2		4		-				-		-	
					Bottom	7.6	0.4	345	24.9	24.9	8.0	8.0	30.3	30.3	90.2	90.3	6.3	6.3	6.0		4		-				-		-	
						7.6	0.3	347	24.9		8.0		30.3		90.4		6.3		6.0		5		-				-		-	
SR4A	Fine	Moderate	07:21	9.2	Surface	1.0	0.0	200	24.2	24.2	8.2	8.2	30.7	30.7	85.6	85.6	6.0	6.1	4.1	4.2	5	5	-	-	817195	807825	-	-	-	-
						1.0	0.0	192	24.2		8.2		30.7		85.6		6.0		4.2		4		-				-		-	
					Middle	4.6	0.0	217	24.2	24.2	8.2	8.2	30.7	30.7	86.1	86.2	6.1		3.9		4		-				-		-	
						4.6	0.0	220	24.2		8.2		30.7		86.3		6.1		4.0		5		-				-		-	
					Bottom	8.2	0.0	212	24.1	24.1	8.2	8.2	30.7	30.7	87.3	87.4	6.2	6.2	4.4		5		-				-		-	
						8.2	0.0	205	24.1		8.2		30.7		87.5		6.2		4.4		5		-				-		-	
SR5A	Fine	Calm	07:04	4.1	Surface	1.0	0.2	287	24.3	24.3	8.2	8.2	29.4	29.4	84.5	84.5	6.0	6.0	3.5	3.4	6	5	-	-	816605	810708	-	-	-	-
						1.0	0.2	289	24.3		8.2		29.4		84.5		6.0		3.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.2	292	24.3	24.3	8.1	8.1	29.4	29.4	86.0	86.2	6.1	6.1	3.4		5		-				-		-	
						3.1	0.2	287	24.2		8.1		29.4		86.3		6.1		3.3		5		-				-		-	
SR6	Fine	Calm	06:37	4.3	Surface	1.0	0.2	233	24.6	24.6	8.1	8.1	29.7	29.7	82.8	82.8	5.8	5.8	2.7	3.1	5	4	-	-	817896	814663	-	-	-	-
						1.0	0.1	228	24.6		8.1		29.7		82.8		5.8		2.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.2	219	24.7	24.7	8.1	8.1	29.8	29.8	86.0	86.2	6.0	6.1	3.5		4		-				-		-	
						3.3	0.2	213	24.7		8.1		29.8		86.4		6.1		3.5		4		-				-		-	
SR7	Fine	Moderate	07:14	16.0	Surface	1.0	0.8	257	25.6	25.6	8.0	8.0	30.8	30.8	85.7	85.7	5.9	5.9	1.8	2.1	4	4	-	-	823619	823741	-	-	-	-
						1.0	0.8	252	25.6		8.0		30.8		85.7		5.9		1.8		4		-				-		-	
					Middle	8.0	0.8	229	25.6	25.6	8.0	8.0	30.8	30.8	86.6	86.7	5.9		2.1		4		-				-		-	
						8.0	0.8	231	25.6		8.0		30.8		86.7		6.0		2.2		4		-				-		-	
					Bottom	15.0	0.8	257	25.6	25.6	8.0	8.0	30.8	30.8	88.0	88.1	6.0	6.1	2.3		4		-				-		-	
						15.0	0.8	259	25.6		8.0		30.8		88.2		6.1		2.3		4		-				-		-	
SR8	Fine	Moderate	08:29	5.8	Surface	1.0	-	-	25.0	25.0	8.0	8.0	30.0	30.0	94.3	94.4	6.6	6.6	1.7	2.5	4	4	-	-	820412	811626	-	-	-	-
						1.0	-	-	25.0		8.0		30.0		94.5		6.6		1.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	25.0	25.0	8.0	8.0	30.0	30.0	95.9	96.6	6.7	6.8	3.4		3		-				-		-	
						4.8	-	-	25.0		8.0		30.0		97.2		6.8		3.3		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Rough	14:40	8.1	Surface	1.0	0.1	210	23.9	23.9	8.2	8.2	29.7	29.7	87.7	87.8	6.3	6.4	10.2	12.2	8	8	84	87	815607	804242	<0.2	<0.2	0.5	0.6
						1.0	0.1	211	23.9		8.2		29.7		87.8		6.3		10.2		6		85				<0.2		0.6	
					Middle	4.1	0.1	202	23.9	23.9	8.2	8.2	29.4	29.4	88.9	89.0	6.4		13.8		7		87				<0.2		0.6	
						4.1	0.0	203	23.9		8.2		29.4		89.0		6.4		13.4		8		88				<0.2		0.5	
					Bottom	7.1	0.1	204	23.9	23.9	8.2	8.2	29.5	29.5	90.5	90.6	6.5	6.6	12.5		9		90				<0.2		0.6	
						7.1	0.2	197	23.9		8.2		29.4		90.7		6.6		12.8		10		89				<0.2		0.5	
C2	Fine	Rough	13:16	9.2	Surface	1.0	0.1	359	24.8	24.8	8.0	8.0	28.7	28.7	95.8	96.0	6.7	6.8	2.3	3.2	7	7	46	72	825704	806960	<0.2	<0.2	0.9	0.9
						1.0	0.1	3	24.8		7.9		28.7		96.1		6.8		2.3		8		45				<0.2		0.9	
					Middle	4.6	0.2	7	24.8	24.8	7.9	7.9	28.7	28.7	97.0	97.2	6.8		3.5		7		81				<0.2		0.9	
						4.6	0.1	3	24.8		7.9		28.7		97.3		6.9		3.6		8		81				<0.2		0.8	
					Bottom	8.2	0.2	327	24.8	24.8	7.9	7.9	28.8	28.8	98.3	98.6	6.9	7.0	3.8		6		90				<0.2		0.8	
						8.2	0.2	325	24.8		7.9		28.7		98.8		7.0		3.7		5		90				<0.2		0.9	
C3	Fine	Rough	14:42	8.0	Surface	1.0	0.1	81	25.3	25.3	8.0	8.0	31.0	31.0	89.5	89.6	6.2	6.2	2.1	3.1	7	7	49	72	822111	817823	<0.2	<0.2	0.8	0.9
						1.0	0.1	83	25.3		8.0		31.0		89.7		6.2		2.1		8		49				<0.2		0.8	
					Middle	4.0	0.2	65	25.3	25.3	8.0	8.0	31.0	31.0	90.5	90.7	6.2		3.2		8		83				<0.2		0.8	
						4.0	0.1	64	25.3		8.0		31.0		90.9		6.3		3.2		7		83				<0.2		0.9	
					Bottom	7.0	0.1	81	25.3	25.3	8.0	8.0	31.0	31.0	92.7	94.7	6.4	6.6	4.1		7		85				<0.2		0.9	
						7.0	0.2	83	25.3		8.0		31.0		96.7		6.7		4.1		6		85				<0.2		1.0	
IM1	Cloudy	Rough	15:01	6.3	Surface	1.0	0.1	181	24.3	24.3	8.1	8.1	29.0	29.0	86.7	86.7	6.3	6.3	10.2	12.1	8	8	85	87	818349	806443	<0.2	<0.2	0.6	0.6
						1.0	0.1	182	24.3		8.1		29.0		86.7		6.3		10.2		8		84				<0.2		0.6	
					Middle	3.2	0.1	191	24.3	24.3	8.1	8.1	29.1	29.1	87.9	88.0	6.3		13.9		8		86				<0.2		0.6	
						3.2	0.1	191	24.3		8.1		29.0		88.1		6.3		13.2		8		88				<0.2		0.5	
					Bottom	5.3	0.0	155	24.3	24.3	8.1	8.1	29.0	29.0	89.7	89.8	6.5	6.5	12.9		6		89				<0.2		0.6	
						5.3	0.1	155	24.3		8.1		29.0		89.9		6.5		12.4		7		88				<0.2		0.6	
IM2	Cloudy	Rough	15:12	6.7	Surface	1.0	0.1	171	24.2	24.2	8.1	8.1	29.3	29.3	88.2	88.2	6.4	6.4	11.6	8.9	8	8	84	87	818856	806216	<0.2	<0.2	0.5	0.6
						1.0	0.0	174	24.2		8.1		29.3		88.2		6.4		11.2		8		85				<0.2		0.5	
					Middle	3.4	0.0	192	24.2	24.2	8.1	8.1	29.4	29.4	89.0	89.1	6.4		7.5		8		86				<0.2		0.6	
						3.4	0.1	189	24.2		8.1		29.4		89.1		6.4		7.6		9		85				<0.2		0.6	
					Bottom	5.7	0.1	200	24.2	24.2	8.1	8.1	29.4	29.4	89.6	89.7	6.5	6.5	7.8		8		89				<0.2		0.6	
						5.7	0.1	195	24.2		8.1		29.3		89.7		6.5		7.6		9		90				<0.2		0.6	
IM3	Cloudy	Rough	15:21	6.9	Surface	1.0	0.1	184	24.3	24.3	8.1	8.1	29.0	29.0	87.9	88.0	6.3	6.4	11.2	9.3	7	8	84	86	819410	805995	<0.2	<0.2	0.5	0.5
						1.0	0.2	188	24.3		8.1		29.0		88.0		6.3		11.7		8		84				<0.2		0.5	
					Middle	3.5	0.1	202	24.3	24.3	8.1	8.1	29.0	29.0	88.5	88.6	6.4		5.5		9		86				<0.2		0.5	
						3.5	0.1	198	24.3		8.1		29.0		88.6		6.4		5.5		8		87				<0.2		0.6	
					Bottom	5.9	0.1	197	24.3	24.3	8.1	8.1	29.0	29.0	89.2	89.2	6.4	6.4	10.8		9		89				<0.2		0.5	
						5.9	0.2	198	24.3		8.1		29.0		89.2		6.4		11.2		9		88				<0.2		0.6	
IM4	Cloudy	Rough	15:34	7.1	Surface	1.0	0.2	170	24.4	24.4	8.1	8.1	28.8	28.8	88.9	89.0	6.4	6.4	12.9	10.6	8	8	85	87	819571	805040	<0.2	<0.2	0.5	0.6
						1.0	0.2	164	24.4		8.1		28.8		89.0		6.4		12.3		8		84				<0.2		0.6	
					Middle	3.6	0.1	201	24.4	24.4	8.1	8.1	28.8	28.8	88.7	88.7	6.4		9.2		8		87				<0.2		0.6	
						3.6	0.2	207	24.4		8.1		28.8		88.6		6.4		9.2		7		86				<0.2		0.5	
					Bottom	6.1	0.1	190	24.4	24.4	8.1	8.1	28.8	28.8	88.4	88.4	6.4	6.4	10.0		7		89				<0.2		0.6	
						6.1	0.1	191	24.4		8.1		28.8		88.4		6.4		10.1		7		90				<0.2		0.5	
IM5	Cloudy	Rough	15:46	8.5	Surface	1.0	0.2	168	24.4	24.4	8.1	8.1	29.3	29.3	90.4	90.5	6.5	6.6	13.0	13.0	7	7	84	87	820544	804906	<0.2	<0.2	0.5	0.6
						1.0	0.1	175	24.4		8.1		29.3		90.6		6.5		12.9		7		85				<0.2		0.6	
					Middle	4.3	0.1	160	24.4	24.4	8.1	8.1	29.4	29.4	91.5	91.5	6.6		12.4		7		86				<0.2		0.5	
						4.3	0.2	166	24.4		8.1		29.4		91.5		6.6		12.4		8		87				<0.2		0.6	
					Bottom	7.5	0.2	172	24.4	24.4	8.1	8.1	29.4	29.4	92.0	92.1	6.6	6.6	13.6		7		88				<0.2		0.5	
						7.5	0.1	173	24.4		8.1		29.4		92.2		6.6		13.8		8		90				<0.2		0.6	
IM6	Cloudy	Rough	15:56	7.4	Surface	1.0	0.2	166	24.3	24.3	8.1	8.1	29.9	29.9	87.7	87.7	6.3	6.3	7.4	10.9	6	8	85	87	821075	805824	<0.2	<0.2	0.5	0.5
						1.0	0.2	171	24.3		8.1		29.9		87.7		6.3		7.4		7		84				<0.2		0.5	
					Middle	3.7	0.1	162	24.3	24.3	8.1	8.1	30.0	30.0	88.2	88.3	6.3		12.4		8		87				<0.2		0.5	
						3.7	0.1	160	24.3		8.1		30.0		88.3		6.3		12.4		8		86				<0.2		0.5	
					Bottom	6.4	0.2	183	24.3	24.3	8.1	8.1	30.0	30.0	89.3	89.4	6.4	6.4	12.9		9		89				<0.2		0.6	
						6.4	0.2	182	24.3		8.1		30.0		89.5		6.4		13.0		8		90				<0.2		0.5	
IM7	Cloudy	Rough	16:09	7.9	Surface	1.0	0.2	183	24.5	24.5	8.0	8.0	28.4	28.4	87.8	87.8	6.3	6.3	7.2	7.2	8	8	84	87	821347	806838	<0.2	<0.2	0.5	0.6
						1.0	0.2	183	24.5		8.0		28.4		87.8		6.3		7.2		8		84				<0.2		0.6	
					Middle	4.0	0.2	201	24.5	24.5	8.0	8.0	28.4	28.4	87.3	87.3	6.3		7.2		8		86				<0.2		0.5	
						4.0	0.1	208	24.5		8.0		28.4		87.3		6.3		7.2		9		88				<0.2		0.6	
					Bottom	6.9	0.2	173	24.5	24.5	8.0	8.0	29.0	29.0	87.5	87.6	6.3	6.3	7.3		8		89				<0.2		0.5	
						6.9	0.2	172	24.5		8.0		29.0		87.6		6.3		7.2		9		90				<0.2		0.6	
IM8	Fine	Rough	13:25	7.2	Surface	1.0	0.1	29	24.8	24.8	8.0	8.0	28.8	28.8	94.2	94.4	6.6	6.7	5.7	6.4	6	7	84	88	821682	807861	<0.2	<0.2	0.9	0.8
						1.0	0.1	26	24.8		8.0		28.8		94.6		6.7		5.7		6		85				<0.2		0.8	
					Middle	3.6	0.2	38	24.7	24.7	8.0	8.0	29.0	29.0	96.1	96.3	6.8		6.3		6		88				<0.2		0.8	
						3.6	0.2	34	24.7		8.0		29.0		96.4		6.8		6.3		7		88				<0.2		0.8	
					Bottom	6.2	0.2	13	24.7	24.7	8.0	8.0	29.2	29.2	97.6	97.8	6.9	6.9	7.2		7		90				<0.2		0.8	
						6.2	0.2	11	24.7		8.0		29.2		98.0		6.9		7.1		8		91				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	13:31	8.6	Surface	1.0	0.1	6	24.7	24.7	8.0	8.0	30.1	30.1	91.5	91.6	6.4	6.6	4.2	6.1	6	7	84	88	822115	808820	<0.2	<0.2	0.9	0.8
						1.0	0.0	8	24.7		8.0		30.1		91.6		6.4		4.2		7		85				<0.2		0.8	
					Middle	4.3	0.1	36	24.7	24.7	8.0	8.0	30.3	30.3	95.7	95.9	6.7		6.3		7		88				<0.2		0.8	
						4.3	0.1	28	24.7		8.0		30.3		96.0		6.7		6.3		8		89				<0.2		0.8	
					Bottom	7.6	0.1	359	24.7	24.7	8.0	8.0	30.4	30.4	97.6	98.0	6.8	6.9	7.9		8		89				<0.2		0.8	
						7.6	0.1	5	24.7		8.0		30.4		98.4		6.9		7.9		8		90				<0.2		0.8	
IM10	Fine	Rough	13:40	7.8	Surface	1.0	0.0	5	24.8	24.8	8.0	8.0	30.3	30.3	91.9	92.0	6.4	6.5	6.1	7.1	8	8	50	75	822246	809855	<0.2	<0.2	0.9	0.9
						1.0	0.0	357	24.8		8.0		30.3		92.1		6.4		6.1		7		50				<0.2		0.9	
					Middle	3.9	0.0	6	24.8	24.8	8.0	8.0	30.3	30.3	94.7	95.1	6.6		7.1		8		87				<0.2		0.9	
						3.9	-	0	24.8		8.0		30.3		95.4		6.7		7.0		8		87				<0.2		0.9	
					Bottom	6.8	0.0	2	24.8	24.8	8.0	8.0	30.3	30.3	97.5	97.9	6.8	6.9	8.1		9		89				<0.2		0.9	
						6.8	0.0	7	24.8		8.0		30.3		98.3		6.9		8.0		9		89				<0.2		0.9	
IM11	Fine	Rough	13:45	8.2	Surface	1.0	0.0	1	24.8	24.8	8.0	8.0	30.4	30.4	91.2	91.3	6.4	6.4	3.6	4.4	8	8	61	74	821496	810525	<0.2	<0.2	0.9	0.9
						1.0	0.0	1	24.8		8.0		30.4		91.4		6.4		3.5		7		61				<0.2		0.8	
					Middle	4.1	0.1	337	24.7	24.7	8.0	8.0	30.4	30.4	92.0	92.1	6.4		4.2		8		77				<0.2		1.0	
						4.1	0.1	340	24.7		8.0		30.4		92.2		6.4		4.2		9		77				<0.2		0.9	
					Bottom	7.2	0.0	6	24.7	24.7	8.0	8.0	30.4	30.4	98.0	98.3	6.8	6.9	5.4		8		83				<0.2		0.8	
						7.2	0.0	9	24.7		8.0		30.4		98.6		6.9		5.4		9		83				<0.2		0.7	
IM12	Fine	Rough	13:51	10.0	Surface	1.0	0.1	42	24.8	24.8	8.0	8.0	30.4	30.4	91.2	91.3	6.3	6.4	6.1	7.3	8	7	46	72	821172	811512	<0.2	<0.2	0.9	0.9
						1.0	0.0	49	24.8		8.0		30.4		91.4		6.3		6.0		8		46				<0.2		0.9	
					Middle	5.0	0.0	45	24.7	24.7	8.0	8.0	30.4	30.4	92.1	92.1	6.4		7.7		6		84				<0.2		0.9	
						5.0	0.0	42	24.7		8.0		30.4		92.1		6.4		7.7		6		84				<0.2		0.8	
					Bottom	9.0	0.0	22	24.7	24.7	8.0	8.0	30.3	30.3	98.1	98.3	6.9	6.9	8.2		6		86				<0.2		0.9	
						9.0	0.0	27	24.7		8.0		30.3		98.4		6.9		8.3		7		87				<0.2		0.8	
SR1A	Fine	Rough	14:11	4.2	Surface	1.0	0.0	23	24.6	24.6	8.0	8.0	30.3	30.3	91.2	93.2	6.4	6.6	4.3	4.5	5	6	-	-	819980	812657	-	-	-	-
						1.0	-	26	24.6		8.0		30.3		95.1		6.7		4.3		6		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	35	24.6	24.6	8.0	8.0	30.3	30.3	96.6	97.0	6.8	6.8	4.6		7		-				-		-	
						3.2	0.0	38	24.6		8.0		30.3		97.3		6.8		4.6		7		-				-		-	
SR2	Fine	Rough	14:22	5.0	Surface	1.0	0.1	58	24.8	24.8	8.0	8.0	30.4	30.4	95.8	96.0	6.7	6.7	4.4	4.8	6	7	72	82	821456	814150	<0.2	<0.2	0.8	0.8
						1.0	0.2	58	24.8		8.0		30.4		96.1		6.7		4.4		6		72				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	29	24.8	24.8	8.0	8.0	30.4	30.4	98.9	99.4	6.9	7.0	5.1		9		91				<0.2		0.8	
						4.0	0.1	27	24.8		8.0		30.4		99.9		7.0		5.1		8		91				<0.2		0.9	
SR3	Fine	Rough	13:19	7.6	Surface	1.0	0.1	11	24.9	24.9	8.0	8.0	28.7	28.7	91.0	91.1	6.4	6.5	3.2	4.5	7	7	-	-	822124	807556	-	-	-	-
						1.0	0.1	14	24.9		8.0		28.7		91.1		6.4		3.2		6		-				-		-	
					Middle	3.8	0.1	351	24.9	24.9	8.0	8.0	28.7	28.7	92.2	92.5	6.5		4.6		6		-				-		-	
						3.8	0.2	344	24.9		8.0		28.7		92.8		6.5		4.5		7		-				-		-	
					Bottom	6.6	0.1	356	24.8	24.8	8.0	8.0	28.7	28.7	95.1	95.3	6.7	6.7	5.8		7		-				-		-	
						6.6	0.1	359	24.8		8.0		28.7		95.4		6.7		5.7		8		-				-		-	
SR4A	Cloudy	Rough	14:12	8.6	Surface	1.0	0.0	108	24.0	24.0	8.2	8.2	29.9	29.9	87.1	87.1	6.3	6.3	13.8	12.7	7	8	-	-	817178	807824	-	-	-	-
						1.0	0.1	100	24.0		8.2		29.9		87.1		6.3		13.9		8		-				-		-	
					Middle	4.3	0.0	113	24.0	24.0	8.2	8.2	29.9	29.9	87.3	87.3	6.3		11.2		8		-				-		-	
						4.3	0.0	116	24.0		8.2		29.9		87.3		6.3		11.3		8		-				-		-	
					Bottom	7.6	0.0	119	23.9	23.9	8.2	8.2	30.0	30.0	89.7	89.9	6.5	6.5	12.8		8		-				-		-	
						7.6	0.1	114	23.9		8.2		30.0		90.0		6.5		12.9		8		-				-		-	
SR5A	Cloudy	Rough	13:40	3.6	Surface	1.0	0.1	118	24.1	24.1	8.1	8.1	29.4	29.4	82.9	82.9	6.0	6.0	12.9	11.0	8	9	-	-	816578	810703	-	-	-	-
						1.0	0.1	117	24.1		8.1		29.4		82.9		6.0		13.0		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.1	118	24.1	24.1	8.2	8.2	29.4	29.4	83.1	83.1	6.0	6.0	9.0		8		-				-		-	
						2.6	0.0	116	24.1		8.2		29.3		83.1		6.0		9.0		9		-				-		-	
SR6	Cloudy	Rough	13:14	4.8	Surface	1.0	0.0	73	24.1	24.1	8.2	8.2	29.4	29.4	83.6	83.7	6.0	6.0	9.0	9.5	9	8	-	-	817910	814661	-	-	-	-
						1.0	0.0	77	24.1		8.2		29.4		83.7		6.0		9.1		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	95	24.1	24.1	8.2	8.2	29.4	29.4	84.9	85.0	6.1	6.1	9.9		8		-				-		-	
						3.8	0.1	88	24.1		8.2		29.4		85.1		6.1		9.9		8		-				-		-	
SR7	Fine	Rough	15:13	11.0	Surface	1.0	0.1	56	25.2	25.2	8.0	8.0	30.9	30.9	90.5	90.7	6.3	6.3	1.1	1.8	7	8	-	-	823649	823733	-	-	-	-
						1.0	0.1	57	25.2		8.0		30.9		90.8		6.3		1.1		8		-				-		-	
					Middle	5.5	0.1	65	25.2	25.2	8.0	8.0	30.9	30.9	91.4	91.6	6.3		1.6		8		-				-		-	
						5.5	0.1	57	25.2		8.0		30.9		91.7		6.3		1.5		8		-				-		-	
					Bottom	10.0	0.1	88	25.2	25.2	8.0	8.0	30.9	30.9	93.6	95.2	6.5	6.6	2.6		9		-				-		-	
						10.0	0.1	80	25.2		8.0		30.9		96.8		6.7		2.6		8		-				-		-	
SR8	Fine	Rough	14:04	4.8	Surface	1.0	-	-	24.8	24.8	8.0	8.0	30.4	30.4	92.1	92.1	6.4	6.5	4.2	4.7	8	8	-	-	820377	811620	-	-	-	-
						1.0	-	-	24.8		8.0		30.3		92.1		6.5		4.2		9		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	24.7	24.7	8.0	8.0	30.3	30.3	98.2	98.7	6.9	6.9	5.1		8		-				-		-	
						3.8	-	-	24.7		8.0		30.3		99.1		6.9		5.1		8		-				-		-	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 16 November 23 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	09:57	8.2	Surface	1.0	0.4	27	24.1	24.1	8.2	8.2	30.1	30.1	87.1	87.1	6.2	6.2	8.2	10.7	8	8	83	86	815602	804229	<0.2	<0.2	1.0	0.7
						1.0	0.4	23	24.1		8.2		30.1		87.0		6.2		8.2		8		84				<0.2		1.1	
					Middle	4.1	0.5	48	24.1	24.1	8.2	8.2	30.5	30.5	86.3	86.4	6.1		9.4		8		86				<0.2		0.5	
						4.1	0.4	40	24.1		8.2		30.5		86.4		6.1		9.6		8		87				<0.2		0.5	
					Bottom	7.2	0.4	47	24.1	24.1	8.2	8.2	30.6	30.6	87.3	87.5	6.2	6.2	14.3		9		88				<0.2		0.5	
						7.2	0.4	43	24.1		8.2		30.6		87.6		6.2		14.3		9		89				<0.2		0.5	
C2	Fine	Rough	10:21	9.8	Surface	1.0	0.4	337	24.9	24.9	8.0	8.0	28.8	28.9	89.2	89.3	6.3	6.3	4.3	4.9	8	8	52	77	825693	806948	<0.2	<0.2	0.7	0.8
						1.0	0.4	331	24.9		8.0		28.9		89.3		6.3		4.3		8		52				<0.2		0.8	
					Middle	4.9	0.4	350	24.9	24.9	8.0	8.0	29.0	29.0	89.8	89.9	6.3		4.6		9		90				<0.2		0.9	
						4.9	0.4	350	24.9		8.0		29.0		90.0		6.3		4.7		8		90				<0.2		0.8	
					Bottom	8.8	0.3	357	24.9	24.9	8.0	8.0	28.9	28.9	91.2	91.4	6.4	6.4	5.7		8		89				<0.2		0.9	
						8.8	0.3	358	24.9		8.0		28.8		91.5		6.4		5.7		8		89				<0.2		0.8	
C3	Fine	Moderate	08:54	9.0	Surface	1.0	0.5	266	25.0	25.0	8.0	8.0	30.4	30.4	89.4	89.5	6.2	6.3	4.2	6.0	7	7	43	70	822127	817780	<0.2	<0.2	0.8	0.8
						1.0	0.5	272	25.0		8.0		30.4		89.5		6.2		4.1		7		43				<0.2		0.9	
					Middle	4.5	0.5	269	25.0	25.0	8.0	8.0	30.4	30.4	90.2	90.3	6.3		6.9		7		79				<0.2		0.8	
						4.5	0.5	267	25.0		8.0		30.4		90.4		6.3		6.8		7		79				<0.2		0.9	
					Bottom	8.0	0.5	252	25.0	25.0	8.0	8.0	30.5	30.5	92.6	94.5	6.4	6.6	7.1		7		87				<0.2		0.7	
						8.0	0.5	248	25.0		8.0		30.5		96.3		6.7		7.0		7		87				<0.2		0.8	
IM1	Cloudy	Rough	09:34	6.4	Surface	1.0	0.2	24	24.1	24.1	8.2	8.2	29.9	29.9	86.7	86.7	6.1	6.2	13.2	9.8	8	8	83	86	818349	806446	<0.2	<0.2	0.5	0.5
						1.0	0.2	20	24.1		8.2		29.9		86.7		6.1		13.3		8		84				<0.2		0.5	
					Middle	3.2	0.2	13	24.1	24.1	8.2	8.2	29.9	29.9	87.9	88.0	6.2		9.0		8		86				<0.2		0.5	
						3.2	0.2	20	24.1		8.2		29.9		88.1		6.2		8.3		8		87				<0.2		0.6	
					Bottom	5.4	0.2	28	24.1	24.1	8.2	8.2	29.9	29.9	89.7	89.8	6.4	6.4	7.2		9		88				<0.2		0.5	
						5.4	0.2	31	24.1		8.2		29.9		89.9		6.4		7.8		9		87				<0.2		0.4	
IM2	Cloudy	Rough	09:22	6.8	Surface	1.0	0.2	354	24.0	24.0	8.2	8.2	29.7	29.7	87.0	87.0	6.2	6.2	9.5	10.8	7	7	83	86	818855	806190	<0.2	<0.2	0.5	0.5
						1.0	0.2	356	24.0		8.2		29.7		87.0		6.2		9.5		8		83				<0.2		0.5	
					Middle	3.4	0.2	340	24.0	24.0	8.2	8.2	29.8	29.8	87.8	87.9	6.2		11.8		8		85				<0.2		0.5	
						3.4	0.1	337	24.0		8.2		29.7		87.9		6.2		11.2		7		87				<0.2		0.5	
					Bottom	5.8	0.2	336	24.0	24.0	8.2	8.2	29.7	29.7	88.4	88.5	6.3	6.3	11.6		7		88				<0.2		0.4	
						5.8	0.2	342	24.0		8.2		29.7		88.5		6.3		11.2		7		88				<0.2		0.5	
IM3	Cloudy	Rough	09:10	7.2	Surface	1.0	0.2	345	24.1	24.1	8.2	8.2	29.9	29.9	86.7	86.8	6.2	6.2	11.6	12.6	8	8	84	87	819400	806018	<0.2	<0.2	0.5	0.5
						1.0	0.2	341	24.1		8.2		29.9		86.8		6.2		11.6		7		84				<0.2		0.4	
					Middle	3.6	0.2	347	24.1	24.1	8.2	8.2	29.9	29.9	87.3	87.4	6.2		11.9		7		87				<0.2		0.5	
						3.6	0.3	343	24.1		8.2		29.9		87.4		6.2		11.6		8		87				<0.2		0.5	
					Bottom	6.2	0.2	357	24.1	24.1	8.2	8.2	29.9	29.9	88.0	88.0	6.2	6.2	14.3		9		88				<0.2		0.5	
						6.2	0.2	355	24.1		8.2		29.9		88.0		6.2		14.3		8		89				<0.2		0.5	
IM4	Cloudy	Rough	09:01	7.0	Surface	1.0	0.2	335	24.2	24.2	8.1	8.1	29.7	29.7	86.5	86.6	6.1	6.1	9.9	10.7	8	8	84	86	819582	805023	<0.2	<0.2	0.5	0.6
						1.0	0.2	333	24.2		8.1		29.7		86.6		6.1		9.3		8		84				<0.2		0.6	
					Middle	3.5	0.3	351	24.2	24.2	8.1	8.1	29.7	29.7	86.3	86.3	6.1		10.9		9		87				<0.2		0.5	
						3.5	0.3	347	24.2		8.1		29.7		86.2		6.1		11.4		8		85				<0.2		0.6	
					Bottom	6.0	0.3	354	24.2	24.2	8.1	8.1	29.7	29.7	86.0	86.0	6.1	6.1	11.6		9		88				<0.2		0.5	
						6.0	0.3	350	24.2		8.1		29.7		86.0		6.1		11.2		8		88				<0.2		0.6	
IM5	Cloudy	Rough	08:50	7.9	Surface	1.0	0.4	326	24.2	24.2	8.1	8.1	29.7	29.7	86.8	86.9	6.2	6.2	8.7	11.2	8	8	83	86	820561	804944	<0.2	<0.2	0.4	0.5
						1.0	0.4	320	24.2		8.1		29.7		87.0		6.2		8.4		8		84				<0.2		0.5	
					Middle	4.0	0.3	347	24.2	24.2	8.1	8.1	29.7	29.7	87.9	87.9	6.2		13.8		8		85				<0.2		0.4	
						4.0	0.4	346	24.2		8.1		29.7		87.9		6.2		13.8		9		86				<0.2		0.5	
					Bottom	6.9	0.3	354	24.2	24.2	8.1	8.1	29.7	29.7	88.4	88.5	6.3	6.3	11.3		8		88				<0.2		0.5	
						6.9	0.3	351	24.2		8.1		29.7		88.6		6.3		11.3		9		89				<0.2		0.5	
IM6	Cloudy	Rough	08:34	7.8	Surface	1.0	0.2	306	24.1	24.1	8.2	8.2	30.8	30.8	85.3	85.3	6.0	6.0	7.0	8.2	13	13	84	86	821081	805814	<0.2	<0.2	0.5	0.6
						1.0	0.2	300	24.1		8.2		30.8		85.3		6.0		7.1		13		84				<0.2		0.6	
					Middle	3.9	0.3	321	24.1	24.1	8.2	8.2	30.9	30.9	85.8	85.9	6.0		8.7		16		86				<0.2		0.5	
						3.9	0.3	322	24.1		8.1		30.9		85.9		6.1		8.7		14		86				<0.2		0.5	
					Bottom	6.8	0.2	314	24.1	24.1	8.1	8.1	30.9	30.9	86.9	87.0	6.1	6.1	8.7		9		88				<0.2		0.6	
						6.8	0.2	314	24.1		8.1		30.9		87.1		6.1		8.8		12		89				<0.2		0.6	
IM7	Cloudy	Rough	08:25	8.3	Surface	1.0	0.2	276	24.3	24.3	8.1	8.1	28.8	28.8	85.4	85.4	6.1	6.1	4.8	5.1	11	11	84	87	821330	806820	<0.2	<0.2	0.6	0.6
						1.0	0.2	274	24.3		8.1		28.8		85.4		6.1		4.8		11		84				<0.2		0.5	
					Middle	4.2	0.2	273	24.3	24.3	8.0	8.0	28.8	28.8	84.9	84.9	6.0		4.8		9		87				<0.2		0.7	
						4.2	0.2	267	24.3		8.0		28.8		84.9		6.0		4.9		10		87				<0.2		0.6	
					Bottom	7.3	0.2	277	24.3	24.3	8.0	8.0	28.9	28.9	85.1	85.2	6.0	6.1	5.7		10		88				<0.2		0.5	
						7.3	0.2	281	24.3		8.0		28.9		85.2		6.1		5.7		9		89				<0.2		0.4	
IM8	Fine	Rough	10:01	9.0	Surface	1.0	0.2	299	24.8	24.8	8.0	8.0	28.6	28.6	90.2	90.3	6.4	6.4	4.7	5.5	6	6	84	87	821693	807816	<0.2	<0.2	0.7	0.8
						1.0	0.2	297	24.8		8.0		28.6		90.3		6.4		4.8		7		85				<0.2		0.8	
					Middle	4.5	0.2	299	24.8	24.8	8.0	8.0	28.6	28.6	91.3	91.4	6.4		5.6		7		87				<0.2		0.7	
						4.5	0.2	296	24.8		8.0		28.6		91.4		6.4		5.6		6		87				<0.2		0.8	
					Bottom	8.0	0.1	311	24.8	24.8	8.0	8.0	28.6	28.6	96.5	96.8	6.8	6.8	6.1		6		90				<0.2		0.8	
						8.0	0.2	314	24.8		8.0		28.6		97.1		6.8		6.1		5		91				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 16 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Rough	09:57	8.2	Surface	1.0	0.3	292	24.8	24.8	8.0	8.0	28.6	28.6	92.6	92.8	6.5	6.6	3.2	4.2	5	6	85	88	822081	808800	<0.2	<0.2	0.8	0.8
						1.0	0.2	295	24.8		8.0		28.6		92.9		6.5		3.2		5		85				<0.2		0.8	
					Middle	4.1	0.3	289	24.8	24.8	8.0	8.0	28.6	28.6	95.4	95.6	6.7		4.1		6		88				<0.2		0.7	
						4.1	0.4	294	24.8		8.0		28.6		95.8		6.8		4.1		6		88				<0.2		0.7	
					Bottom	7.2	0.3	319	24.8	24.8	8.0	8.0	28.6	28.6	97.4	97.7	6.9	6.9	5.4		7		90				<0.2		0.8	
						7.2	0.3	325	24.8		8.0		28.6		97.9		6.9		5.4		7		91				<0.2		0.8	
IM10	Fine	Rough	09:51	7.2	Surface	1.0	0.4	287	24.8	24.8	8.0	8.0	29.1	29.1	90.7	90.8	6.4	6.5	5.1	6.1	6	6	49	75	822223	809823	<0.2	<0.2	0.7	0.8
						1.0	0.4	280	24.8		8.0		29.1		90.8		6.4		5.1		6		49				<0.2		0.7	
					Middle	3.6	0.4	278	24.7	24.7	8.0	8.0	29.1	29.1	94.0	94.3	6.6		6.1		6		86				<0.2		0.8	
						3.6	0.4	270	24.7		8.0		29.1		94.5		6.7		6.1		6		86				<0.2		0.8	
					Bottom	6.2	0.3	277	24.7	24.7	8.0	8.0	29.1	29.1	96.8	97.2	6.8	6.9	7.1		6		89				<0.2		0.9	
						6.2	0.3	277	24.7		8.0		29.1		97.5		6.9		7.0		6		89				<0.2		0.8	
IM11	Fine	Rough	09:37	9.6	Surface	1.0	0.4	293	24.7	24.7	8.0	8.0	30.3	30.3	89.5	89.6	6.3	6.3	3.3	4.4	6	6	52	77	821516	810526	<0.2	<0.2	0.9	0.8
						1.0	0.5	292	24.7		8.0		30.3		89.6		6.3		3.3		6		53				<0.2		0.8	
					Middle	4.8	0.4	270	24.7	24.7	8.0	8.0	30.4	30.4	90.8	90.9	6.3		4.3		6		87				<0.2		0.8	
						4.8	0.4	270	24.7		8.0		30.4		90.9		6.4		4.3		6		87				<0.2		0.8	
					Bottom	8.6	0.5	287	24.7	24.7	8.0	8.0	30.4	30.4	92.9	94.8	6.5	6.7	5.7		5		90				<0.2		0.8	
						8.6	0.5	282	24.7		8.0		30.4		96.6		6.8		5.7		6		90				<0.2		0.9	
IM12	Fine	Rough	09:32	9.2	Surface	1.0	0.5	289	24.8	24.8	8.0	8.0	30.4	30.4	89.4	89.5	6.2	6.3	3.3	4.2	7	6	45	73	821142	811517	<0.2	<0.2	1.0	0.9
						1.0	0.4	288	24.8		8.0		30.4		89.5		6.3		3.3		6		46				<0.2		0.9	
					Middle	4.6	0.5	300	24.8	24.8	8.0	8.0	30.4	30.4	90.2	90.3	6.3		4.1		6		86				<0.2		0.8	
						4.6	0.5	294	24.8		8.0		30.4		90.3		6.3		4.1		5		86				<0.2		0.8	
					Bottom	8.2	0.5	304	24.8	24.8	8.0	8.0	30.4	30.4	95.6	95.9	6.7	6.7	5.1		5		87				<0.2		0.8	
						8.2	0.4	299	24.8		8.0		30.4		96.1		6.7		5.1		5		87				<0.2		0.8	
SR1A	Fine	Rough	09:22	5.2	Surface	1.0	0.0	188	24.7	24.7	8.0	8.0	30.3	30.3	91.0	91.3	6.4	6.4	2.3	2.9	6	6	-	-	819973	812656	-	-	-	-
						1.0	0.0	190	24.7		8.0		30.3		91.5		6.4		2.3		5		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.0	185	24.7	24.7	8.0	8.0	30.3	30.3	96.9	97.3	6.8	6.8	3.5		7		-				-		-	
						4.2	0.1	177	24.7		8.0		30.3		97.6		6.8		3.5		6		-				-		-	
SR2	Fine	Rough	09:12	5.0	Surface	1.0	0.2	233	24.7	24.7	8.0	8.0	30.4	30.4	96.5	96.7	6.7	6.8	3.8	4.2	6	6	45	66	821462	814179	<0.2	<0.2	1.1	1.0
						1.0	0.1	227	24.7		8.0		30.4		96.8		6.8		3.9		6		46				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	247	24.7	24.7	8.0	8.0	30.4	30.4	98.9	99.3	6.9	7.0	4.6		6		87				<0.2		0.8	
						4.0	0.2	241	24.7		8.0		30.4		99.7		7.0		4.6		5		87				<0.2		0.8	
SR3	Fine	Rough	10:11	7.8	Surface	1.0	0.2	355	24.8	24.9	8.0	8.0	28.8	28.8	94.4	94.7	6.6	6.7	2.4	3.3	7	7	-	-	822160	807579	-	-	-	-
						1.0	0.3	358	24.9		8.0		28.8		95.0		6.7		2.4		6		-				-		-	
					Middle	3.9	0.3	3	24.9	24.9	8.0	8.0	28.8	28.8	96.1	96.4	6.8		3.3		6		-				-		-	
						3.9	0.4	356	24.9		8.0		28.8		96.7		6.8		3.3		7		-				-		-	
					Bottom	6.8	0.2	342	24.9	24.9	8.0	8.0	29.0	29.0	98.7	99.2	6.9	7.0	4.3		7		-				-		-	
						6.8	0.2	344	24.9		8.0		29.0		99.7		7.0		4.3		7		-				-		-	
SR4A	Cloudy	Rough	10:15	8.0	Surface	1.0	0.0	198	24.0	24.0	8.2	8.2	30.8	30.8	86.5	86.5	6.1	6.1	8.2	8.6	7	7	-	-	817177	807809	-	-	-	-
						1.0	0.0	194	24.0		8.2		30.8		86.5		6.1		8.2		8		-				-		-	
					Middle	4.0	0.0	209	24.0	24.0	8.2	8.2	30.8	30.8	86.9	86.9	6.1		8.7		7		-				-		-	
						4.0	0.0	211	24.0		8.2		30.8		86.9		6.1		8.9		7		-				-		-	
					Bottom	7.0	0.0	197	23.9	23.9	8.2	8.2	30.8	30.8	87.7	89.1	6.2	6.3	8.8		7		-				-		-	
						7.0	0.0	204	23.9		8.2		30.8		90.4		6.4		8.7		7		-				-		-	
SR5A	Cloudy	Rough	10:30	4.8	Surface	1.0	0.2	308	24.0	24.0	8.2	8.2	30.3	30.3	84.4	84.4	6.0	6.0	3.1	3.2	7	7	-	-	816589	810685	-	-	-	-
						1.0	0.1	312	24.0		8.2		30.3		84.4		6.0		3.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	288	24.0	24.0	8.2	8.2	30.3	30.3	85.0	85.2	6.0	6.1	3.2		7		-				-		-	
						3.8	0.1	292	24.0		8.2		30.3		85.4		6.1		3.2		7		-				-		-	
SR6	Cloudy	Rough	10:55	4.8	Surface	1.0	0.1	234	24.0	24.0	8.2	8.2	30.5	30.5	83.2	83.2	5.9	5.9	3.0	3.0	7	7	-	-	817894	814675	-	-	-	-
						1.0	0.0	227	24.0		8.2		30.5		83.2		5.9		3.1		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	256	24.0	24.0	8.2	8.2	30.3	30.3	83.5	83.5	5.9	5.9	3.0		7		-				-		-	
						3.8	0.1	261	24.0		8.2		30.3		83.5		5.9		3.0		8		-				-		-	
SR7	Fine	Moderate	08:28	11.0	Surface	1.0	0.7	249	25.2	25.2	7.9	7.9	30.7	30.7	84.3	84.3	5.8	5.8	5.4	6.3	4	6	-	-	823632	823725	-	-	-	-
						1.0	0.7	256	25.2		7.9		30.7		84.3		5.8		5.4		5		-				-		-	
					Middle	5.5	0.7	253	25.2	25.2	7.9	7.9	30.7	30.7	84.4	84.5	5.8		6.4		4		-				-		-	
						5.5	0.7	253	25.2		7.9		30.7		84.5		5.8		6.5		6		-				-		-	
					Bottom	10.0	0.7	234	25.2	25.2	7.9	7.9	30.7	30.7	84.9	85.0	5.9	5.9	7.1		7		-				-		-	
						10.0	0.7	236	25.2		7.9		30.7		85.1		5.9		7.1		7		-				-		-	
SR8	Fine	Rough	09:28	4.6	Surface	1.0	-	-	24.7	24.7	8.0	8.0	30.3	30.3	91.3	91.5	6.4	6.4	5.7	6.0	7	7	-	-	820381	811615	-	-	-	-
						1.0	-	-	24.7		8.0		30.3		91.6		6.4		5.7		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	24.7	24.7	8.0	8.0	30.4	30.4	96.8	97.0	6.8	6.8	6.3		7		-				-		-	
						3.6	-	-	24.7		8.0		30.4		97.2		6.8		6.2		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 November 23 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	Fine	Rough	03:21	7.5	Surface	1.0	0.5	198	22.3	22.3	8.2	8.2	31.1	31.1	88.5	88.5	6.4	6.4	9.4	11.0	19	17	83	86	815623	804246	<0.2	<0.2	0.5	0.5
						1.0	0.5	193	22.3		8.2		31.1		88.4		6.4		9.3		18		83				<0.2		0.5	
					Middle	3.8	0.6	227	22.3	22.3	8.2	8.2	31.1	31.1	88.3	88.3	6.4		10.3		16		86				<0.2		0.5	
						3.8	0.5	219	22.3		8.2		31.1		88.3		6.4		10.3		18		86				<0.2		0.4	
					Bottom	6.5	0.5	213	22.3	22.3	8.2	8.2	31.2	31.2	87.3	87.3	6.3	6.3	13.4		16		90				<0.2		0.4	
						6.5	0.5	208	22.3		8.2		31.2		87.2		6.3		13.5		16		90				<0.2		0.5	
C2	Cloudy	Moderate	04:58	11.7	Surface	1.0	1.0	165	23.5	23.5	8.0	8.0	30.0	30.0	91.3	91.4	6.5	6.6	4.2	5.3	6	7	84	87	825694	806951	<0.2	<0.2	1.1	0.8
						1.0	0.9	169	23.5		8.0		30.0		91.5		6.6		4.2		6		85				<0.2		0.7	
					Middle	5.9	0.9	168	23.5	23.5	8.0	8.0	30.0	30.0	93.0	93.1	6.7		4.3		6		87				<0.2		1.0	
						5.9	0.9	171	23.4		8.0		30.0		93.2		6.7		4.3		7		88				<0.2		0.7	
					Bottom	10.7	0.9	192	23.4	23.4	8.0	8.0	30.0	30.0	94.8	95.3	6.8	6.9	7.2		8		91				<0.2		0.7	
						10.7	0.9	193	23.4		8.0		30.0		95.7		6.9		7.3		9		89				<0.2		0.7	
C3	Cloudy	Moderate	03:07	11.7	Surface	1.0	0.6	90	23.6	23.6	8.0	8.0	30.8	30.8	89.4	89.4	6.4	6.4	4.1	6.2	8	8	86	88	822109	817819	<0.2	<0.2	0.6	0.7
						1.0	0.6	88	23.6		8.0		30.8		89.4		6.4		4.0		9		85				<0.2		0.6	
					Middle	5.9	0.7	76	23.8	23.8	8.0	8.0	30.9	30.9	90.3	90.4	6.4		5.8		7		88				<0.2		0.6	
						5.9	0.7	75	23.8		8.0		30.9		90.4		6.4		5.8		6		89				<0.2		1.0	
					Bottom	10.7	0.6	75	23.8	23.8	7.7	7.7	30.9	30.9	93.8	94.0	6.6	6.7	8.6		7		90				<0.2		0.9	
						10.7	0.6	76	23.8		7.7		30.9		94.2		6.7		9.0		8		91				<0.2		0.7	
IM1	Fine	Rough	03:38	7.1	Surface	1.0	0.4	202	22.4	22.4	8.2	8.2	30.7	30.8	88.0	88.0	6.4	6.4	9.1	10.7	14	16	82	84	818366	806454	<0.2	<0.2	0.4	0.4
						1.0	0.4	196	22.4		8.2		30.8		88.0		6.4		9.1		14		82				<0.2		0.4	
					Middle	3.6	0.4	173	22.4	22.4	8.2	8.2	30.8	30.8	87.8	87.8	6.4		9.7		14		83				<0.2		0.5	
						3.6	0.4	166	22.4		8.2		30.8		87.8		6.4		9.8		17		83				<0.2		0.4	
					Bottom	6.1	0.5	213	22.4	22.4	8.2	8.2	30.8	30.8	87.3	87.3	6.3	6.3	13.2		18		88				<0.2		0.5	
						6.1	0.5	211	22.4		8.2		30.8		87.3		6.3		13.2		18		88				<0.2		0.4	
IM2	Fine	Rough	03:46	7.3	Surface	1.0	0.5	198	22.6	22.6	8.2	8.2	30.6	30.7	86.4	86.4	6.3	6.3	7.8	9.6	16	15	80	84	818868	806203	<0.2	<0.2	0.5	0.5
						1.0	0.5	191	22.6		8.2		30.7		86.4		6.3		7.7		14		80				<0.2		0.5	
					Middle	3.7	0.4	191	22.6	22.6	8.2	8.2	30.6	30.6	86.3	86.3	6.3		9.2		14		83				<0.2		0.5	
						3.7	0.4	185	22.6		8.2		30.6		86.3		6.3		9.2		14		83				<0.2		0.6	
					Bottom	6.3	0.5	186	22.6	22.6	8.2	8.2	30.6	30.6	86.4	86.4	6.3	6.3	11.7		14		90				<0.2		0.4	
						6.3	0.4	186	22.6		8.2		30.6		86.4		6.3		11.8		16		90				<0.2		0.5	
IM3	Fine	Rough	04:00	7.5	Surface	1.0	0.5	208	22.5	22.5	8.2	8.2	30.3	30.3	90.1	90.1	6.6	6.6	13.6	13.3	20	21	83	86	819388	806021	<0.2	<0.2	0.4	0.5
						1.0	0.5	205	22.5		8.2		30.3		90.1		6.6		13.6		20		83				<0.2		0.4	
					Middle	3.8	0.5	197	22.4	22.4	8.2	8.2	30.3	30.4	88.9	88.9	6.5		10.8		21		86				<0.2		0.4	
						3.8	0.5	191	22.4		8.2		30.4		88.9		6.5		10.8		20		86				<0.2		0.5	
					Bottom	6.5	0.5	202	22.4	22.4	8.2	8.2	30.4	30.4	87.4	87.4	6.4	6.4	15.4		22		90				<0.2		0.5	
						6.5	0.5	207	22.4		8.2		30.4		87.4		6.4		15.4		20		90				<0.2		0.5	
IM4	Fine	Rough	04:14	8.2	Surface	1.0	0.5	183	22.4	22.4	8.2	8.2	30.5	30.5	89.3	89.4	6.5	6.5	8.2	10.9	12	14	80	83	819562	805015	<0.2	<0.2	0.4	0.5
						1.0	0.5	177	22.4		8.2		30.5		89.4		6.5		8.3		13		80				<0.2		0.6	
					Middle	4.1	0.6	194	22.3	22.3	8.2	8.2	30.5	30.5	88.7	88.7	6.5		10.6		14		83				<0.2		0.4	
						4.1	0.6	197	22.3		8.2		30.5		88.7		6.5		10.8		14		83				<0.2		0.4	
					Bottom	7.2	0.6	190	22.3	22.3	8.2	8.2	30.5	30.5	88.4	88.4	6.4	6.4	13.8		14		87				<0.2		0.9	
						7.2	0.6	183	22.3		8.2		30.5		88.4		6.4		13.8		16		87				<0.2		0.5	
IM5	Fine	Rough	04:32	7.3	Surface	1.0	0.6	186	22.8	22.8	8.2	8.2	30.6	30.6	86.6	86.6	6.3	6.3	8.0	8.2	13	14	82	86	820548	804905	<0.2	<0.2	0.6	0.5
						1.0	0.5	181	22.8		8.2		30.6		86.6		6.3		8.0		13		82				<0.2		0.5	
					Middle	3.7	0.5	205	22.7	22.7	8.2	8.2	30.6	30.7	86.8	86.8	6.3		8.8		12		86				<0.2		0.4	
						3.7	0.5	198	22.7		8.2		30.7		86.8		6.3		8.8		12		86				<0.2		0.5	
					Bottom	6.3	0.5	183	22.5	22.5	8.2	8.2	30.9	30.9	87.5	87.5	6.3	6.3	7.8		14		91				<0.2		0.5	
						6.3	0.5	180	22.5		8.2		30.9		87.5		6.3		7.8		21		91				<0.2		0.5	
IM6	Fine	Rough	04:43	7.7	Surface	1.0	0.4	187	22.6	22.6	8.2	8.2	30.5	30.5	87.7	87.7	6.4	6.4	9.9	11.0	16	17	81	85	821069	805824	<0.2	<0.2	0.5	0.5
						1.0	0.4	187	22.6		8.2		30.5		87.7		6.4		9.9		14		82				<0.2		0.4	
					Middle	3.9	0.5	213	22.4	22.4	8.2	8.2	30.6	30.6	87.8	87.8	6.4		10.9		17		84				<0.2		0.4	
						3.9	0.4	218	22.4		8.2		30.6		87.8		6.4		10.9		16		85				<0.2		0.5	
					Bottom	6.7	0.5	189	22.4	22.4	8.2	8.2	30.8	31.1	87.8	87.8	6.4	6.4	12.2		23		88				<0.2		0.6	
						6.7	0.5	186	22.4		8.2		31.4		87.8		6.4		12.2		16		88				<0.2		0.5	
IM7	Fine	Rough	04:57	7.9	Surface	1.0	0.5	208	22.5	22.5	8.2	8.2	30.5	30.5	87.7	87.7	6.4	6.5	9.5	10.6	16	17	83	88	821356	806822	<0.2	<0.2	0.5	0.5
						1.0	0.4	210	22.5		8.2		30.5		87.7		6.4		9.4		17		83				<0.2		0.5	
					Middle	4.0	0.5	203	22.5	22.5	8.2	8.2	30.4	30.4	88.8	88.8	6.5		10.6		17		89				<0.2		0.5	
						4.0	0.5	196	22.5		8.2		30.4		88.8		6.5		10.5		15		90				<0.2		0.7	
					Bottom	6.9	0.4	196	22.5	22.5	8.2	8.2	30.1	30.1	89.2	89.2	6.5	6.5	11.7		16		91				<0.2		0.5	
						6.9	0.5	200	22.5		8.2		30.1		89.2		6.5		11.7		18		91				<0.2		0.4	
IM8	Cloudy	Moderate	04:24	7.5	Surface	1.0	0.5	185	23.2	23.2	8.0	8.0	30.4	30.4	90.3	90.3	6.5	6.5	6.3	6.7	7	7	86	87	821677	807828	<0.2	<0.2	1.0	0.9
						1.0	0.5	180	23.2		8.0		30.4		90.3		6.5		6.4		8		85				<0.2		0.6	
					Middle	3.8	0.5	171	23.1	23.1	8.0	8.0	30.4	30.4	90.6	90.7	6.5		6.9		6		87				<0.2		0.6	
						3.8	0.5	174	23.1		8.0		30.4		90.7		6.5		6.9		8		88				<0.2		1.0	
					Bottom	6.5	0.5	168	23.1	23.1	8.0	8.0	30.4	30.4	91.4	91.5	6.6	6.6	6.8		6		89				<0.2		0.6	
						6.5	0.5	169	23.1		8.0		30.4		91.6		6.6		6.7		7		88				<0.2		1.3	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 18 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	04:20	7.0	Surface	1.0	0.5	156	23.3	23.3	8.0	8.0	30.6	30.6	91.6	91.7	6.6	6.6	7.3	7.8	5	8	85	88	822076	808789	<0.2	<0.2	0.9	0.9
						1.0	0.5	161	23.3		8.0		30.6		91.8		6.6		7.4		6		86				<0.2		1.0	
					Middle	3.5	0.6	142	23.2	23.2	8.0	8.0	30.6	30.6	92.7	92.8	6.6		8.1		7		87				<0.2		0.6	
						3.5	0.6	147	23.2		8.0		30.6		92.8		6.7		8.2		8		87				<0.2		0.6	
					Bottom	6.0	0.5	150	23.2	23.2	8.0	8.0	30.6	30.6	93.7	94.0	6.7	6.8	8.1		9		90				<0.2		1.0	
						6.0	0.5	142	23.2		8.0		30.6		94.3		6.8		7.9		10		91				<0.2		1.0	
IM10	Cloudy	Moderate	04:13	7.7	Surface	1.0	0.7	119	23.4	23.4	8.0	8.0	30.8	30.8	91.6	91.7	6.5	6.6	8.2	9.7	7	7	86	88	822250	809829	<0.2	<0.2	0.6	0.7
						1.0	0.7	118	23.4		8.0		30.8		91.8		6.6		8.3		7		85				<0.2		0.6	
					Middle	3.9	0.6	129	23.3	23.3	8.0	8.0	30.8	30.8	93.4	93.5	6.7		9.9		8		87				<0.2		0.6	
						3.9	0.6	121	23.3		8.0		30.8		93.6		6.7		10.1		6		89				<0.2		0.6	
					Bottom	6.7	0.6	109	23.3	23.3	8.0	8.0	30.8	30.8	95.0	95.1	6.8	6.8	10.8		7		90				<0.2		0.6	
						6.7	0.6	114	23.3		8.0		30.8		95.1		6.8		10.8		7		89				<0.2		1.1	
IM11	Cloudy	Moderate	04:06	7.6	Surface	1.0	0.7	98	22.9	22.9	8.0	8.0	30.8	30.8	94.3	94.5	6.8	6.9	7.7	8.4	6	7	86	88	821522	810565	<0.2	<0.2	0.6	0.8
						1.0	0.7	101	22.9		8.0		30.8		94.6		6.8		7.8		6		85				<0.2		0.6	
					Middle	3.8	0.8	86	22.9	22.9	8.1	8.1	30.8	30.8	95.8	95.9	6.9		8.5		7		88				<0.2		1.0	
						3.8	0.8	92	22.9		8.1		30.8		95.9		6.9		8.6		7		87				<0.2		0.6	
					Bottom	6.6	0.8	80	22.9	22.9	8.1	8.1	30.8	30.8	96.3	96.5	6.9	7.0	9.0		7		90				<0.2		0.8	
						6.6	0.8	83	22.9		8.1		30.8		96.7		7.0		9.0		7		91				<0.2		0.9	
IM12	Cloudy	Moderate	04:02	8.0	Surface	1.0	0.8	96	22.9	22.9	8.0	8.0	30.7	30.7	91.3	91.4	6.6	6.6	4.7	6.4	8	10	85	88	821147	811520	<0.2	<0.2	1.0	0.8
						1.0	0.8	98	22.9		8.0		30.7		91.4		6.6		4.8		9		86				<0.2		0.6	
					Middle	4.0	0.8	102	22.8	22.8	8.0	8.0	30.7	30.7	92.1	92.2	6.6		6.0		9		87				<0.2		0.6	
						4.0	0.8	103	22.8		8.0		30.7		92.2		6.6		6.1		11		88				<0.2		0.6	
					Bottom	7.0	0.8	125	22.8	22.8	8.0	8.0	30.7	30.7	94.1	94.2	6.8	6.8	8.3		9		90				<0.2		1.0	
						7.0	0.8	127	22.8		8.0		30.7		94.3		6.8		8.3		11		91				<0.2		1.0	
SR1A	Cloudy	Moderate	03:38	5.9	Surface	1.0	0.0	171	23.1	23.1	8.0	8.0	30.7	30.7	89.4	89.5	6.4	6.4	6.0	5.0	6	6	-	-	819978	812661	-	-	-	-
						1.0	0.0	171	23.1		8.0		30.7		89.5		6.4		5.9		6		-				-		-	
					Middle	3.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						3.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	-	196	23.1	23.1	8.0	8.0	30.7	30.7	91.2	91.4	6.6	6.6	4.1		7		-				-		-	
						4.9	0.0	193	23.1		8.0		30.7		91.5		6.6		4.0		6		-				-		-	
SR2	Cloudy	Moderate	03:26	4.9	Surface	1.0	0.5	58	23.1	23.1	8.0	8.0	30.8	30.8	95.5	95.6	6.9	6.9	8.6	8.4	8	7	86	88	821474	814152	<0.2	<0.2	1.0	1.0
						1.0	0.5	60	23.1		8.0		30.8		95.7		6.9		8.7		6		85				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.5	37	23.0	23.0	8.0	8.0	30.8	30.8	97.7	97.9	7.0	7.0	8.2		7		90				<0.2		0.9	
						3.9	0.4	32	23.0		8.0		30.8		98.0		7.0		8.2		6		91				<0.2		1.1	
SR3	Cloudy	Moderate	04:29	8.4	Surface	1.0	0.7	151	23.4	23.4	8.0	8.0	30.0	30.0	88.5	88.5	6.3	6.3	7.9	9.4	8	8	-	-	822159	807557	-	-	-	-
						1.0	0.7	156	23.4		8.0		30.0		88.4		6.3		9.0		6		-				-		-	
					Middle	4.2	0.7	163	23.4	23.4	8.0	8.0	30.1	30.1	88.4	88.4	6.3		11.3		7		-				-		-	
						4.2	0.7	158	23.4		8.0		30.1		88.4		6.3		11.3		8		-				-		-	
					Bottom	7.4	0.7	164	23.4	23.4	8.0	8.0	30.1	30.1	88.9	89.0	6.4	6.4	8.7		8		-				-		-	
						7.4	0.6	157	23.4		8.0		30.1		89.0		6.4		8.1		8		-				-		-	
SR4A	Fine	Rough	02:55	9.3	Surface	1.0	0.0	88	21.8	21.8	8.2	8.2	30.5	30.5	85.6	85.6	6.3	6.3	6.6	7.4	10	11	-	-	817168	807826	-	-	-	-
						1.0	0.0	86	21.8		8.2		30.5		85.6		6.3		6.7		15		-				-		-	
					Middle	4.7	0.1	107	21.8	21.8	8.2	8.2	30.5	30.5	85.4	85.4	6.3		7.6		12		-				-		-	
						4.7	0.1	101	21.8		8.2		30.5		85.4		6.3		7.5		13		-				-		-	
					Bottom	8.3	0.1	96	21.8	21.8	8.2	8.2	30.4	30.4	85.4	85.4	6.3	6.3	8.1		9		-				-		-	
						8.3	0.0	103	21.8		8.2		30.4		85.4		6.3		8.1		9		-				-		-	
SR5A	Fine	Rough	02:38	4.8	Surface	1.0	0.3	103	22.0	22.0	8.2	8.2	30.4	30.4	85.3	85.3	6.3	6.3	10.1	11.5	14	17	-	-	816576	810710	-	-	-	-
						1.0	0.3	105	22.0		8.2		30.4		85.3		6.3		10.2		16		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	106	21.9	21.9	8.2	8.2	30.4	30.4	85.3	85.3	6.3	6.3	12.8		20		-				-		-	
						3.8	0.3	104	21.9		8.2		30.4		85.3		6.3		12.8		16		-				-		-	
SR6	Fine	Rough	02:21	5.2	Surface	1.0	0.2	63	22.3	22.3	8.1	8.1	30.5	30.5	84.4	84.4	6.1	6.1	4.5	6.1	14	14	-	-	817884	814655	-	-	-	-
						1.0	0.2	62	22.3		8.1		30.5		84.3		6.1		4.5		14		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	46	22.3	22.3	8.1	8.1	30.6	30.6	84.0	84.0	6.1	6.1	7.6		14		-				-		-	
						4.2	0.1	50	22.3		8.1		30.6		84.0		6.1		7.7		14		-				-		-	
SR7	Cloudy	Moderate	02:38	16.8	Surface	1.0	1.0	66	24.1	24.1	8.0	8.0	31.1	31.1	85.9	85.9	6.0	6.1	4.2	5.0	7	8	-	-	823643	823731	-	-	-	-
						1.0	1.1	65	24.1		8.0		31.1		85.9		6.0		4.3		7		-				-		-	
					Middle	8.4	1.0	85	24.2	24.2	8.0	8.0	31.1	31.1	86.4	86.5	6.1		5.7		7		-				-		-	
						8.4	1.0	79	24.2		8.0		31.1		86.5		6.1		5.7		9		-				-		-	
					Bottom	15.8	1.1	70	24.1	24.1	8.0	8.0	31.1	31.1	88.6	88.8	6.2	6.3	5.1		9		-				-		-	
						15.8	1.1	62	24.1		8.0		31.1		88.9		6.3		5.1		8		-				-		-	
SR8	Cloudy	Moderate	03:56	5.0	Surface	1.0	-	-	23.0	23.0	8.0	8.0	30.7	30.7	91.6	91.7	6.6	6.6	5.0	5.1	7	7	-	-	820388	811602	-	-	-	-
						1.0	-	-	23.0		8.0		30.7		91.8		6.6		5.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	22.9	22.9	8.0	8.0	30.7	30.7	93.6	93.8	6.7	6.8	5.1		8		-				-		-	
						4.0	-	-	22.9		8.0		30.7		94.0		6.8		5.1		7		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 November 23 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	16:03	7.1	Surface	1.0	0.1	43	22.2	22.2	8.2	8.2	30.4	30.4	88.4	88.4	6.5	6.5	7.3	9.9	11	11	82	87	815612	804268	<0.2	<0.2	0.4	0.4
						1.0	0.1	50	22.2		8.2		30.4		88.4		6.5		7.2		9		82				<0.2		0.4	
					Middle	3.6	0.0	40	22.1	22.1	8.2	8.2	30.4	30.4	88.6	88.6	6.5		10.8		10		86				<0.2		0.4	
						3.6	0.0	42	22.1		8.2		30.4		88.5		6.5		10.8		12		87				<0.2		0.4	
					Bottom	6.1	0.0	58	22.2	22.2	8.2	8.2	30.4	30.4	88.3	88.3	6.5	6.5	11.7		13		91				<0.2		0.4	
						6.1	0.0	64	22.2		8.2		30.4		88.3		6.5		11.8		11		91				<0.2		0.4	
C2	Cloudy	Moderate	14:31	11.4	Surface	1.0	0.2	358	23.5	23.5	8.0	8.0	29.9	30.0	94.2	94.4	6.8	6.9	4.9	5.8	9	7	85	87	825696	806958	<0.2	<0.2	0.6	0.7
						1.0	0.1	356	23.5		8.0		30.0		94.5		6.8		4.9		7		84				<0.2		0.6	
					Middle	5.7	0.2	346	23.5	23.5	8.0	8.0	30.0	30.0	95.4	95.6	6.9		6.0		8		87				<0.2		0.6	
						5.7	0.2	352	23.5		8.0		30.0		95.7		6.9		6.1		7		88				<0.2		0.6	
					Bottom	10.4	0.1	341	23.5	23.5	8.0	8.0	30.0	30.0	96.7	97.0	7.0	7.0	6.3		5		89				<0.2		0.6	
						10.4	0.1	344	23.5		8.0		30.0		97.2		7.0		6.3		6		90				<0.2		1.3	
C3	Cloudy	Moderate	16:19	11.3	Surface	1.0	0.1	71	24.0	24.0	8.0	8.0	31.4	31.4	87.9	88.0	6.3	6.3	4.7	5.7	7	7	83	86	822103	817810	<0.2	<0.2	0.7	0.8
						1.0	0.2	76	24.0		8.0		31.4		88.1		6.3		4.7		6		84				<0.2		1.2	
					Middle	5.7	0.1	90	24.0	24.0	8.0	8.0	31.4	31.4	88.9	89.1	6.3		5.8		7		86				<0.2		0.6	
						5.7	0.1	86	24.0		8.0		31.4		89.3		6.3		5.8		6		87				<0.2		0.6	
					Bottom	10.3	0.1	86	24.0	24.0	8.0	8.0	31.4	31.4	91.1	91.1	6.5	6.5	6.7		6		90				<0.2		1.2	
						10.3	0.0	88	24.0		8.0		31.4		91.1		6.5		6.7		8		88				<0.2		0.7	
IM1	Sunny	Rough	15:43	6.2	Surface	1.0	0.0	23	22.4	22.4	8.2	8.2	31.1	31.1	88.5	88.5	6.4	6.4	8.6	11.0	17	21	83	87	818370	806462	<0.2	<0.2	0.4	0.5
						1.0	0.1	25	22.4		8.2		31.1		88.5		6.4		8.6		19		83				<0.2		0.6	
					Middle	3.1	0.0	27	22.4	22.4	8.2	8.2	31.1	31.1	88.3	88.3	6.4		9.4		23		87				<0.2		0.5	
						3.1	-	24	22.4		8.2		31.1		88.3		6.4		9.4		25		87				<0.2		0.5	
					Bottom	5.2	0.1	15	22.4	22.4	8.2	8.2	31.1	31.2	88.2	88.2	6.4	6.4	14.9		23		91				<0.2		0.5	
						5.2	0.1	9	22.4		8.2		31.2		88.2		6.4		14.9		21		91				<0.2		0.5	
IM2	Sunny	Rough	15:34	6.7	Surface	1.0	0.1	22	22.3	22.3	8.2	8.2	31.1	31.1	88.2	88.2	6.4	6.4	9.6	11.4	19	20	83	88	818853	806172	<0.2	<0.2	0.4	0.4
						1.0	0.1	19	22.3		8.2		31.1		88.2		6.4		9.6		19		83				<0.2		0.5	
					Middle	3.4	0.1	34	22.3	22.3	8.2	8.2	31.1	31.1	88.3	88.3	6.4		11.6		18		88				<0.2		0.4	
						3.4	0.1	32	22.3		8.2		31.1		88.3		6.4		11.6		19		89				<0.2		0.4	
					Bottom	5.7	0.1	26	22.3	22.3	8.2	8.2	31.1	31.1	88.1	88.1	6.4	6.4	12.9		20		91				<0.2		0.5	
						5.7	0.1	20	22.3		8.2		31.1		88.1		6.4		13.0		22		91				<0.2		0.4	
IM3	Sunny	Rough	15:24	6.9	Surface	1.0	0.1	60	22.6	22.6	8.2	8.2	30.9	30.9	88.0	88.0	6.4	6.4	6.9	9.1	13	14	85	88	819398	806019	<0.2	<0.2	0.5	0.5
						1.0	0.1	55	22.6		8.2		30.9		88.0		6.4		6.9		12		85				<0.2		0.4	
					Middle	3.5	0.1	57	22.5	22.5	8.2	8.2	30.9	30.9	88.2	88.2	6.4		7.3		12		88				<0.2		0.5	
						3.5	0.1	60	22.5		8.2		30.9		88.2		6.4		7.4		12		88				<0.2		0.5	
					Bottom	5.9	0.1	54	22.5	22.5	8.2	8.2	30.8	30.9	87.6	87.6	6.4	6.4	12.9		12		90				<0.2		0.4	
						5.9	0.1	47	22.5		8.2		30.9		87.6		6.4		12.9		21		90				<0.2		0.4	
IM4	Sunny	Rough	15:15	7.9	Surface	1.0	0.2	42	22.3	22.3	8.2	8.2	29.9	29.9	89.1	89.1	6.5	6.5	9.4	11.3	16	17	82	87	819564	805032	<0.2	<0.2	0.5	0.5
						1.0	0.2	40	22.3		8.2		29.9		89.1		6.5		9.4		17		82				<0.2		0.5	
					Middle	4.0	0.1	60	22.3	22.3	8.2	8.2	30.0	30.0	88.1	88.1	6.4		10.6		17		87				<0.2		0.4	
						4.0	0.1	62	22.3		8.2		30.0		88.1		6.4		10.7		16		87				<0.2		0.4	
					Bottom	6.9	0.1	38	22.3	22.3	8.2	8.2	29.7	30.3	88.2	88.2	6.5	6.5	13.9		17		92				<0.2		0.5	
						6.9	0.1	32	22.3		8.2		30.8		88.2		6.5		13.9		19		92				<0.2		0.5	
IM5	Sunny	Rough	15:03	7.8	Surface	1.0	0.1	35	22.6	22.6	8.2	8.2	29.8	29.9	87.4	87.4	6.4	6.4	11.6	10.7	17	19	84	87	820555	804942	<0.2	<0.2	0.4	0.4
						1.0	0.1	33	22.6		8.2		29.9		87.4		6.4		11.6		15		84				<0.2		0.4	
					Middle	3.9	0.1	15	22.6	22.6	8.2	8.2	29.9	29.9	86.9	86.9	6.3		9.0		17		87				<0.2		0.4	
						3.9	0.2	21	22.6		8.2		29.9		86.9		6.3		9.0		15		87				<0.2		0.4	
					Bottom	6.8	0.1	15	22.5	22.5	8.2	8.2	30.6	30.6	87.9	87.9	6.4	6.4	11.4		27		90				<0.2		0.4	
						6.8	0.1	10	22.5		8.2		30.6		87.9		6.4		11.5		25		90				<0.2		0.5	
IM6	Sunny	Rough	14:48	7.1	Surface	1.0	0.2	25	22.5	22.5	8.2	8.2	29.9	29.9	88.7	88.7	6.5	6.5	10.2	11.6	15	16	83	87	821050	805845	<0.2	<0.2	0.5	0.4
						1.0	0.2	18	22.5		8.2		29.9		88.7		6.5		10.1		14		83				<0.2		0.5	
					Middle	3.6	0.1	53	22.5	22.5	8.2	8.2	30.0	30.0	88.3	88.3	6.4		12.2		17		86				<0.2		0.4	
						3.6	0.1	50	22.5		8.2		30.0		88.3		6.4		12.2		15		86				<0.2		0.4	
					Bottom	6.1	0.2	43	22.4	22.4	8.2	8.2	30.0	30.0	88.7	88.7	6.5	6.5	12.5		17		91				<0.2		0.4	
						6.1	0.2	36	22.4		8.2		29.9		88.7		6.5		12.5		18		91				<0.2		0.4	
IM7	Sunny	Rough	14:31	7.4	Surface	1.0	0.2	36	22.5	22.5	8.2	8.2	29.9	29.9	87.9	87.9	6.4	6.4	9.2	9.8	16	15	83	87	821352	806852	<0.2	<0.2	0.4	0.4
						1.0	0.2	39	22.5		8.2		29.9		87.9		6.4		9.2		16		83				<0.2		0.4	
					Middle	3.7	0.2	28	22.5	22.5	8.2	8.2	29.9	29.9	87.6	87.6	6.4		9.9		14		88				<0.2		0.5	
						3.7	0.2	27	22.5		8.2		29.9		87.6		6.4		9.8		15		88				<0.2		0.5	
					Bottom	6.4	0.2	34	22.5	22.5	8.2	8.2	29.9	29.9	88.6	88.6	6.5	6.5	10.3		14		91				<0.2		0.4	
						6.4	0.2	29	22.5		8.2		29.9		88.6		6.5		10.3		15		91				<0.2		0.4	
IM8	Cloudy	Moderate	15:02	7.4	Surface	1.0	0.2	31	23.5	23.5	8.0	8.0	30.0	30.0	92.6	92.8	6.7	6.8	8.3	9.0	7	6	85	86	821709	807832	<0.2	<0.2	1.2	0.9
						1.0	0.2	26	23.5		8.0		30.0		93.0		6.7		8.2		5		84				<0.2		1.2	
					Middle	3.7	0.2	13	23.4	23.4	8.0	8.0	30.2	30.2	94.5	94.7	6.8		8.9		6		89				<0.2		0.6	
						3.7	0.1	19	23.4		8.0		30.2		94.8		6.9		8.9		5		90				<0.2		0.7	
					Bottom	6.4	0.1	41	23.4	23.4	8.0	8.0	30.4	30.5	96.0	96.2	6.9	7.0	9.7		5		84				<0.2		1.2	
						6.4	0.1	48	23.4		8.0		30.5		96.4		7.0		9.7		5		85				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 18 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:08	8.5	Surface	1.0	0.1	17	23.4	23.4	8.1	8.1	30.6	30.6	89.9	90.0	6.5	6.7	6.8	8.7	5	6	86	87	822102	808788	<0.2	<0.2	1.1	0.8
						1.0	0.1	20	23.4		8.1		30.6		90.0		6.5		6.8		6		87						0.6	
					Middle	4.3	0.1	26	23.4	23.4	8.1	8.1	30.8	30.8	94.1	94.3	6.8		8.9		6		89				<0.2		0.6	
						4.3	0.0	19	23.4		8.1		30.8		94.4		6.8		8.9		6		90				<0.2		1.2	
					Bottom	7.5	0.1	53	23.4	23.4	8.1	8.1	30.8	30.8	96.0	96.4	6.9	7.0	10.5		5		85				<0.2		0.7	
						7.5	0.1	46	23.4		8.1		30.8		96.8		7.0		10.4		6		84				<0.2		0.6	
IM10	Cloudy	Moderate	15:17	8.1	Surface	1.0	0.1	345	23.5	23.5	8.1	8.1	30.8	30.8	90.3	90.4	6.5	6.6	8.7	9.6	6	5	87	87	822235	809855	<0.2	<0.2	0.6	0.8
						1.0	0.1	347	23.5		8.1		30.8		90.5		6.5		8.7		5		86				<0.2		0.6	
					Middle	4.1	0.0	336	23.5	23.5	8.1	8.1	30.8	30.8	93.1	93.5	6.7		9.6		6		89				<0.2		1.0	
						4.1	0.0	337	23.5		8.1		30.8		93.8		6.7		9.6		5		90				<0.2		0.9	
					Bottom	7.1	0.0	344	23.5	23.5	8.1	8.1	30.8	30.8	95.9	96.3	6.9	7.0	10.6		5		85				<0.2		1.0	
						7.1	0.1	344	23.5		8.1		30.8		96.7		7.0		10.6		5		84				<0.2		0.8	
IM11	Cloudy	Moderate	15:22	8.5	Surface	1.0	0.1	337	23.5	23.5	8.1	8.1	30.9	30.9	89.6	89.7	6.4	6.5	6.1	7.0	6	6	86	87	821487	810538	<0.2	<0.2	0.9	1.1
						1.0	0.1	336	23.5		8.1		30.9		89.8		6.5		6.1		6		88				<0.2		1.1	
					Middle	4.3	0.1	312	23.4	23.4	8.1	8.1	30.9	30.9	90.4	90.5	6.5		6.8		8		89				<0.2		1.2	
						4.3	0.1	306	23.4		8.1		30.9		90.6		6.5		6.8		6		88				<0.2		1.2	
					Bottom	7.5	0.1	309	23.4	23.4	8.1	8.1	30.9	30.9	96.4	96.7	6.9	7.0	8.0		6		84				<0.2		1.2	
						7.5	0.1	312	23.4		8.1		30.8		97.0		7.0		8.0		6		85				<0.2		1.0	
IM12	Cloudy	Moderate	15:28	8.6	Surface	1.0	0.0	349	23.5	23.5	8.1	8.1	30.9	30.9	89.6	89.7	6.4	6.5	8.6	9.9	6	6	86	87	821157	811519	<0.2	<0.2	1.1	1.0
						1.0	0.0	347	23.5		8.1		30.9		89.8		6.5		8.6		5		86				<0.2		1.1	
					Middle	4.3	0.0	328	23.4	23.4	8.1	8.1	30.9	30.9	90.5	90.5	6.5		10.2		6		89				<0.2		0.9	
						4.3	0.1	332	23.4		8.1		30.9		90.5		6.5		10.2		6		90				<0.2		1.2	
					Bottom	7.6	0.1	321	23.4	23.4	8.1	8.1	30.8	30.8	96.5	96.7	7.0	7.0	10.8		5		85				<0.2		0.9	
						7.6	0.1	314	23.4		8.1		30.8		96.8		7.0		10.8		5		84				<0.2		0.8	
SR1A	Cloudy	Moderate	15:48	5.5	Surface	1.0	0.0	1	23.3	23.3	8.0	8.0	30.8	30.8	93.5	93.5	6.8	6.8	6.8	7.0	6	6	-	-	819973	812658	-	-	-	-
						1.0	0.0	3	23.3		8.0		30.8		93.5		6.8		6.9		6		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	0.0	5	23.3	23.3	8.0	8.0	30.8	30.8	95.0	95.4	6.9	6.9	7.1		6		-				-		-	
						4.5	0.1	359	23.3		8.0		30.8		95.7		6.9		7.1		6		-				-		-	
SR2	Cloudy	Moderate	15:59	5.2	Surface	1.0	0.0	101	23.5	23.5	8.1	8.1	30.8	30.8	94.2	94.4	6.8	6.8	7.0	7.0	5	5	86	87	821454	814159	<0.2	<0.2	0.7	0.9
						1.0	0.0	102	23.5		8.1		30.8		94.5		6.8		7.0		5		87				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	112	23.5	23.5	8.1	8.1	30.8	30.8	91.8	91.8	6.6	6.6	6.9		6		88				<0.2		0.8	
						4.2	0.1	113	23.5		8.1		30.8		91.8		6.6		6.9		5		87				<0.2		0.9	
SR3	Cloudy	Moderate	14:56	8.4	Surface	1.0	0.1	7	23.6	23.6	8.0	8.0	29.9	29.9	89.4	89.5	6.5	6.5	5.8	7.1	6	6	-	-	822133	807560	-	-	-	-
						1.0	0.1	1	23.6		8.0		29.9		89.5		6.5		5.7		5		-				-		-	
					Middle	4.2	0.2	1	23.6	23.6	8.0	8.0	29.9	29.9	90.6	90.9	6.5		7.1		5		-				-		-	
						4.2	0.2	1	23.6		8.0		29.9		91.2		6.6		7.1		5		-				-		-	
					Bottom	7.4	0.1	6	23.5	23.5	8.0	8.0	29.9	29.9	93.5	93.7	6.8	6.8	8.3		7		-				-		-	
						7.4	0.1	7	23.5		8.0		29.9		93.8		6.8		8.3		8		-				-		-	
SR4A	Sunny	Moderate	16:26	8.9	Surface	1.0	0.0	118	22.3	22.3	8.2	8.2	30.4	30.4	89.7	89.7	6.5	6.5	5.4	5.9	9	8	-	-	817198	807817	-	-	-	-
						1.0	0.0	123	22.3		8.2		30.4		89.7		6.5		5.4		9		-				-		-	
					Middle	4.5	0.1	132	22.3	22.3	8.2	8.2	30.3	30.3	89.2	89.2	6.5		6.2		8		-				-		-	
						4.5	0.0	139	22.3		8.2		30.3		89.2		6.5		6.3		7		-				-		-	
					Bottom	7.9	0.0	110	22.3	22.3	8.2	8.2	30.4	30.4	88.8	88.9	6.5	6.5	6.1		8		-				-		-	
						7.9	0.0	103	22.3		8.2		30.3		88.9		6.5		6.2		7		-				-		-	
SR5A	Sunny	Moderate	16:44	4.3	Surface	1.0	0.1	115	22.3	22.3	8.2	8.2	30.5	30.5	88.2	88.2	6.4	6.4	5.6	5.4	7	7	-	-	816612	810715	-	-	-	-
						1.0	0.1	121	22.3		8.2		30.5		88.2		6.4		5.6		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.0	134	22.0	22.0	8.2	8.2	30.5	30.5	86.9	86.9	6.4	6.4	5.3		7		-				-		-	
						3.3	0.0	128	22.0		8.2		30.5		86.9		6.4		5.2		7		-				-		-	
SR6	Sunny	Moderate	17:03	4.8	Surface	1.0	0.0	74	23.6	23.6	8.2	8.2	30.9	30.9	87.1	87.1	6.4	6.4	3.3	3.6	8	8	-	-	817908	814686	-	-	-	-
						1.0	0.0	77	23.6		8.2		30.9		87.1		6.4		3.3		8		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.0	62	23.4	23.4	8.2	8.2	30.8	30.8	84.7	84.7	6.0	6.0	3.9		7		-				-		-	
						3.8	0.0	63	23.4		8.2		30.8		84.7		6.0		3.9		7		-				-		-	
SR7	Cloudy	Moderate	16:50	16.4	Surface	1.0	0.0	298	23.9	23.9	8.0	8.0	31.4	31.4	88.9	89.1	6.3	6.4	3.7	4.3	5	5	-	-	823613	823725	-	-	-	-
						1.0	0.0	291	23.9		8.0		31.4		89.2		6.4		3.7		5		-				-		-	
					Middle	8.2	0.0	284	23.9	23.9	8.0	8.0	31.4	31.4	89.8	90.0	6.4		4.1		5		-				-		-	
						8.2	0.0	290	23.9		8.0		31.4		90.1		6.4		4.1		4		-				-		-	
					Bottom	15.4	0.0	291	23.9	23.9	8.0	8.0	31.4	31.4	92.0	92.1	6.6	6.6	5.1		5		-				-		-	
						15.4	0.0	291	23.9		8.0		31.4		92.2		6.6		5.1		5		-				-		-	
SR8	Cloudy	Moderate	15:41	5.1	Surface	1.0	-	-	23.5	23.5	8.1	8.1	30.8	30.8	90.5	90.5	6.5	6.5	6.8	7.3	6	6	-	-	820371	811642	-	-	-	-
						1.0	-	-	23.5		8.1		30.8		90.5		6.5		6.8		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	-	-	23.4	23.4	8.1	8.1	30.8	30.8	96.6	97.1	7.0	7.0	7.7		5		-				-		-	
						4.1	-	-	23.4		8.1		30.8		97.5		7.0		7.7		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 November 23 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	Fine	Moderate	07:49	7.6	Surface	1.0	0.3	215	22.6	22.6	8.1	8.1	30.7	30.7	86.8	86.8	6.3	6.3	4.1	5.4	8	9	83	86	815637	804267	<0.2	<0.2	0.7	0.8
						1.0	0.2	208	22.6		8.1		30.7		86.8		6.3		4.1		10		83				<0.2		0.8	
					Middle	3.8	0.2	204	22.7	22.7	8.1	8.1	30.7	30.7	86.7	86.7	6.3		5.2		8		86				<0.2		0.8	
						3.8	0.2	198	22.7		8.1		30.7		86.7		6.3		5.2		9		86				<0.2		0.7	
					Bottom	6.6	0.2	231	22.7	22.7	8.1	8.1	30.8	30.8	87.0	87.1	6.3	6.3	6.8		8		90				<0.2		0.8	
						6.6	0.2	226	22.7		8.1		30.8		87.2		6.3		6.8		9		90				<0.2		0.8	
C2	Cloudy	Moderate	08:23	11.7	Surface	1.0	0.3	183	23.2	23.2	8.0	8.0	30.3	30.3	89.0	89.0	6.4	6.4	2.3	2.6	4	5	84	87	825669	806930	<0.2	<0.2	0.5	0.5
						1.0	0.4	187	23.2		8.0		30.3		89.0		6.4		2.4		6		85				<0.2		0.5	
					Middle	5.9	0.3	156	23.1	23.1	8.0	8.0	30.3	30.3	88.8	88.8	6.4		2.5		6		87				<0.2		0.5	
						5.9	0.4	153	23.1		8.0		30.3		88.8		6.4		2.4		5		88				<0.2		0.5	
					Bottom	10.7	0.3	192	23.1	23.1	8.0	8.0	30.3	30.3	88.9	88.9	6.4	6.4	3.0		4		91				<0.2		0.6	
						10.7	0.3	188	23.1		8.0		30.3		88.9		6.4		3.0		5		89				<0.2		0.6	
C3	Cloudy	Moderate	06:08	11.7	Surface	1.0	0.3	34	23.1	23.1	8.0	8.0	30.7	30.7	89.4	89.4	6.4	6.4	2.6	3.7	7	7	86	88	822114	817825	<0.2	<0.2	0.6	0.5
						1.0	0.3	31	23.1		8.0		30.7		89.3		6.4		2.6		6		85				<0.2		0.5	
					Middle	5.9	0.2	33	23.2	23.2	8.0	8.0	30.8	30.8	89.5	89.5	6.4		3.6		6		88				<0.2		0.6	
						5.9	0.3	34	23.2		8.0		30.8		89.5		6.4		3.6		7		89				<0.2		0.5	
					Bottom	10.7	0.2	24	23.2	23.2	8.0	8.0	30.8	30.8	90.8	90.9	6.5	6.5	5.0		7		90				<0.2		0.5	
						10.7	0.3	28	23.2		8.0		30.8		91.0		6.5		5.0		6		91				<0.2		0.5	
IM1	Fine	Moderate	07:56	7.0	Surface	1.0	0.3	197	22.3	22.3	8.1	8.1	30.5	30.6	86.8	86.8	6.3	6.3	3.4	4.6	7	8	82	84	818338	806472	<0.2	<0.2	0.7	0.8
						1.0	0.3	192	22.3		8.1		30.6		86.8		6.3		3.3		7		82				<0.2		0.7	
					Middle	3.5	0.3	207	22.3	22.3	8.1	8.1	30.6	30.6	86.8	86.8	6.3		4.9		7		83				<0.2		0.7	
						3.5	0.3	209	22.3		8.1		30.6		86.8		6.3		4.9		8		83				<0.2		0.8	
					Bottom	6.0	0.3	198	22.3	22.3	8.1	8.1	30.6	30.6	87.5	87.7	6.4	6.4	5.4		8		88				<0.2		0.9	
						6.0	0.4	200	22.3		8.1		30.6		87.8		6.4		5.4		9		88				<0.2		0.8	
IM2	Fine	Moderate	08:04	8.0	Surface	1.0	0.4	216	22.4	22.4	8.1	8.1	30.6	30.7	85.6	85.6	6.2	6.2	4.4	5.3	7	8	80	84	818869	806203	<0.2	<0.2	0.8	0.7
						1.0	0.4	216	22.4		8.1		30.7		85.5		6.2		4.5		8		80				<0.2		0.7	
					Middle	4.0	0.5	200	22.5	22.5	8.1	8.1	30.7	30.7	85.1	85.1	6.2		5.1		8		83				<0.2		0.7	
						4.0	0.5	201	22.5		8.1		30.7		85.0		6.2		5.1		8		83				<0.2		0.7	
					Bottom	7.0	0.4	201	22.5	22.5	8.1	8.1	30.8	30.8	87.2	87.4	6.3	6.3	6.2		8		90				<0.2		0.7	
						7.0	0.4	203	22.5		8.1		30.8		87.5		6.3		6.2		8		90				<0.2		0.8	
IM3	Fine	Moderate	08:13	7.6	Surface	1.0	0.3	221	22.4	22.4	8.1	8.1	29.9	29.9	86.8	86.8	6.3	6.3	2.1	3.3	9	9	83	86	819396	806006	<0.2	<0.2	0.8	0.8
						1.0	0.3	223	22.4		8.1		29.9		86.8		6.3		2.1		7		83				<0.2		0.8	
					Middle	3.8	0.3	230	22.4	22.4	8.1	8.1	30.0	30.0	86.9	86.9	6.3		3.6		8		86				<0.2		0.8	
						3.8	0.2	224	22.4		8.1		30.0		86.9		6.3		3.5		8		86				<0.2		0.7	
					Bottom	6.6	0.3	227	22.4	22.4	8.1	8.1	29.9	29.9	88.0	88.1	6.4	6.4	4.3		9		90				<0.2		0.8	
						6.6	0.2	225	22.4		8.1		29.9		88.2		6.4		4.3		10		90				<0.2		0.7	
IM4	Fine	Moderate	08:17	8.2	Surface	1.0	0.3	242	22.5	22.5	8.1	8.1	30.0	30.0	86.5	86.6	6.3	6.3	4.3	5.3	8	7	80	83	819555	805042	<0.2	<0.2	0.7	0.8
						1.0	0.3	248	22.5		8.1		30.0		86.6		6.3		4.3		8		80				<0.2		0.8	
					Middle	4.1	0.2	247	22.5	22.5	8.1	8.1	30.0	30.0	86.7	86.8	6.3		5.1		7		83				<0.2		0.7	
						4.1	0.2	240	22.5		8.1		30.0		86.8		6.3		5.1		8		83				<0.2		0.8	
					Bottom	7.2	0.2	233	22.5	22.5	8.1	8.1	30.0	30.0	86.9	86.9	6.3	6.3	6.4		6		87				<0.2		0.8	
						7.2	0.2	237	22.5		8.1		30.0		86.9		6.3		6.4		6		87				<0.2		0.8	
IM5	Fine	Moderate	08:21	8.6	Surface	1.0	0.1	248	22.6	22.6	8.1	8.1	30.1	30.1	86.9	86.9	6.3	6.3	2.4	3.4	7	7	82	86	820549	804903	<0.2	<0.2	0.6	0.7
						1.0	0.1	255	22.6		8.1		30.1		86.8		6.3		2.4		8		82				<0.2		0.7	
					Middle	4.3	0.2	266	22.6	22.6	8.1	8.1	30.1	30.1	86.9	87.0	6.3		3.3		8		86				<0.2		0.8	
						4.3	0.2	258	22.6		8.1		30.1		87.0		6.3		3.3		7		86				<0.2		0.7	
					Bottom	7.6	0.1	244	22.6	22.6	8.1	8.1	30.1	30.1	88.0	88.2	6.4	6.4	4.6		6		91				<0.2		0.7	
						7.6	0.2	240	22.6		8.1		30.1		88.4		6.4		4.5		7		91				<0.2		0.7	
IM6	Fine	Moderate	08:26	7.8	Surface	1.0	0.3	239	22.6	22.6	8.1	8.1	30.3	30.3	87.0	87.1	6.3	6.4	3.1	4.1	8	8	81	85	821071	805808	<0.2	<0.2	0.8	0.7
						1.0	0.2	241	22.6		8.1		30.3		87.1		6.3		3.1		7		82				<0.2		0.7	
					Middle	3.9	0.3	237	22.6	22.6	8.1	8.1	30.3	30.3	87.8	87.9	6.4		4.1		8		84				<0.2		0.7	
						3.9	0.2	238	22.6		8.1		30.3		88.0		6.4		4.1		8		85				<0.2		0.7	
					Bottom	6.8	0.2	229	22.5	22.5	8.1	8.1	30.3	30.4	88.9	89.0	6.5	6.5	5.1		8		88				<0.2		0.7	
						6.8	0.2	229	22.5		8.1		30.4		89.1		6.5		5.2		7		88				<0.2		0.7	
IM7	Fine	Moderate	08:36	8.0	Surface	1.0	0.3	225	22.7	22.7	8.1	8.1	30.3	30.3	87.1	87.1	6.3	6.4	3.2	4.5	8	8	83	88	821372	806849	<0.2	<0.2	0.7	0.7
						1.0	0.4	230	22.7		8.1		30.3		87.1		6.3		3.2		7		83				<0.2		0.7	
					Middle	4.0	0.3	224	22.7	22.8	8.1	8.1	30.3	30.3	87.9	88.1	6.4		4.4		9		89				<0.2		0.8	
						4.0	0.3	228	22.8		8.1		30.3		88.3		6.4		4.4		8		90				<0.2		0.7	
					Bottom	7.0	0.3	253	23.0	23.0	8.1	8.1	30.2	30.2	89.8	90.0	6.5	6.5	5.7		9		91				<0.2		0.7	
						7.0	0.3	253	23.0		8.1		30.1		90.1		6.5		5.8		9		91				<0.2		0.7	
IM8	Cloudy	Moderate	07:51	7.5	Surface	1.0	0.4	221	23.2	23.2	8.0	8.0	30.2	30.3	89.5	89.5	6.4	6.4	3.7	3.9	6	6	86	87	821697	807824	<0.2	<0.2	0.6	0.5
						1.0	0.4	219	23.2		8.0		30.3		89.4		6.4		3.7		5		85				<0.2		0.5	
					Middle	3.8	0.4	200	23.1	23.1	8.0	8.0	30.3	30.3	89.3	89.4	6.4		4.0		6		87				<0.2		0.5	
						3.8	0.4	204	23.1		8.0		30.3		89.4		6.4		4.0		5		88				<0.2		0.5	
					Bottom	6.5	0.4	188	23.1	23.1	8.0	8.0	30.3	30.3	89.5	89.5	6.4	6.4	4.0		6		89				<0.2		0.5	
						6.5	0.4	182	23.1		8.0		30.3		89.5		6.4		4.0		5		88				<0.2		0.5	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	07:41	7.0	Surface	1.0	0.4	181	23.2	23.2	8.0	8.0	30.2	30.2	89.6	89.6	6.4	6.4	3.5	3.7	5	6	85	88	822079	808814	<0.2	<0.2	0.5	0.5
						1.0	0.4	175	23.2		8.0		30.2		89.5		6.4		3.5		5		86				<0.2		0.5	
					Middle	3.5	0.4	181	23.1	23.1	8.0	8.0	30.3	30.3	89.3	89.3	6.4		3.7		6		87				<0.2		0.5	
						3.5	0.5	184	23.1		8.0		30.3		89.2		6.4		3.7		6		87				<0.2		0.5	
					Bottom	6.0	0.4	171	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	6.4	3.8		6		90				<0.2		0.5	
						6.0	0.4	164	23.1		8.0		30.3		89.2		6.4		3.8		5		91				<0.2		0.5	
IM10	Cloudy	Moderate	07:35	7.7	Surface	1.0	0.4	144	23.2	23.2	8.0	8.0	30.3	30.3	90.2	90.2	6.5	6.5	3.5	2.9	5	5	86	88	822251	809834	<0.2	<0.2	0.6	0.5
						1.0	0.4	149	23.1		8.0		30.3		90.2		6.5		3.5		4		85				<0.2		0.5	
					Middle	3.9	0.4	146	23.1	23.1	8.0	8.0	30.3	30.3	90.2	90.3	6.5		2.5		4		87				<0.2		0.5	
						3.9	0.4	148	23.1		8.0		30.3		90.3		6.5		2.6		4		89				<0.2		0.6	
					Bottom	6.7	0.4	157	23.1	23.1	8.0	8.0	30.3	30.3	90.9	91.0	6.5	6.5	2.6		5		90				<0.2		0.5	
						6.7	0.4	161	23.1		8.0		30.3		91.0		6.5		2.7		5		89				<0.2		0.5	
IM11	Cloudy	Moderate	07:29	7.6	Surface	1.0	0.2	151	23.1	23.1	8.0	8.0	30.3	30.3	90.6	90.6	6.5	6.6	2.5	3.1	5	5	86	88	821489	810556	<0.2	<0.2	0.5	0.5
						1.0	0.2	152	23.1		8.0		30.3		90.6		6.5		2.5		4		85				<0.2		0.6	
					Middle	3.8	0.2	119	23.1	23.1	8.0	8.0	30.3	30.3	91.1	91.1	6.6		2.5		6		88				<0.2		0.5	
						3.8	0.2	114	23.1		8.0		30.3		91.1		6.6		2.5		5		87				<0.2		0.5	
					Bottom	6.6	0.1	133	23.1	23.1	8.0	8.0	30.3	30.3	92.3	92.4	6.6	6.7	3.7		6		90				<0.2		0.6	
						6.6	0.2	134	23.1		8.0		30.3		92.5		6.7		4.6		5		91				<0.2		0.5	
IM12	Cloudy	Moderate	07:19	8.0	Surface	1.0	0.3	128	23.0	23.0	8.0	8.0	30.2	30.2	90.3	90.3	6.5	6.5	3.4	3.5	5	5	85	88	821175	811500	<0.2	<0.2	0.5	0.5
						1.0	0.3	121	23.0		8.0		30.2		90.3		6.5		3.4		5		86				<0.2		0.5	
					Middle	4.0	0.3	119	22.9	22.9	8.0	8.0	30.2	30.2	90.3	90.3	6.5		3.6		5		87				<0.2		0.5	
						4.0	0.3	115	22.9		8.0		30.2		90.3		6.5		3.6		6		88				<0.2		0.5	
					Bottom	7.0	0.3	141	22.9	22.9	8.0	8.0	30.2	30.2	90.7	90.8	6.6	6.6	3.4		5		90				<0.2		0.4	
						7.0	0.4	146	22.9		8.0		30.2		90.8		6.6		3.4		5		91				<0.2		0.5	
SR1A	Cloudy	Moderate	06:48	5.9	Surface	1.0	0.0	101	23.0	23.0	8.0	8.0	30.5	30.5	89.6	89.7	6.4	6.4	3.2	3.4	8	7	-	-	819977	812653	-	-	-	-
						1.0	0.0	99	23.0		8.0		30.5		89.7		6.4		3.3		8		-				-		-	
					Middle	3.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						3.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.9	0.0	116	23.1	23.1	8.0	8.0	30.6	30.6	91.3	91.5	6.6	6.6	3.5		6		-				-		-	
						4.9	0.0	118	23.1		8.0		30.6		91.7		6.6		3.5		6		-				-		-	
SR2	Cloudy	Moderate	06:32	4.9	Surface	1.0	0.6	31	22.8	22.8	8.0	8.0	30.4	30.4	92.2	92.3	6.7	6.7	4.4	4.5	6	6	86	88	821456	814181	<0.2	<0.2	0.6	0.6
						1.0	0.6	24	22.8		8.0		30.4		92.3		6.7		4.5		5		85				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.6	7	22.8	22.8	8.0	8.0	30.4	30.4	93.4	93.5	6.8	6.8	4.6		6		90				<0.2		0.5	
						3.9	0.6	6	22.8		8.0		30.4		93.6		6.8		4.6		6		91				<0.2		0.5	
SR3	Cloudy	Moderate	08:03	8.4	Surface	1.0	0.4	174	23.2	23.2	8.0	8.0	30.2	30.2	89.3	89.3	6.4	6.4	4.9	5.1	6	5	-	-	822145	807576	-	-	-	-
						1.0	0.3	172	23.2		8.0		30.2		89.3		6.4		5.0		5		-				-		-	
					Middle	4.2	0.3	167	23.1	23.1	8.0	8.0	30.3	30.3	89.0	89.0	6.4		5.2		5		-				-		-	
						4.2	0.3	162	23.1		8.0		30.3		89.0		6.4		5.2		6		-				-		-	
					Bottom	7.4	0.3	167	23.1	23.1	8.0	8.0	30.3	30.3	89.2	89.2	6.4	6.4	5.2		6		-				-		-	
						7.4	0.3	172	23.1		8.0		30.3		89.2		6.4		5.2		4		-				-		-	
SR4A	Fine	Moderate	07:37	9.2	Surface	1.0	0.0	297	22.4	22.4	8.1	8.1	30.5	30.5	87.3	87.3	6.4	6.4	4.3	5.4	7	8	-	-	817202	807802	-	-	-	-
						1.0	0.0	298	22.3		8.1		30.5		87.3		6.4		4.3		7		-				-		-	
					Middle	4.6	0.0	297	22.3	22.3	8.1	8.1	30.4	30.4	87.3	87.3	6.4		5.4		8		-				-		-	
						4.6	0.0	289	22.3		8.1		30.4		87.3		6.4		5.4		8		-				-		-	
					Bottom	8.2	0.0	325	22.3	22.3	8.1	8.1	30.5	30.5	87.2	87.2	6.4	6.4	6.4		8		-				-		-	
						8.2	0.0	326	22.3		8.1		30.5		87.2		6.4		6.5		7		-				-		-	
SR5A	Fine	Moderate	07:22	5.0	Surface	1.0	0.0	349	22.4	22.4	8.1	8.1	30.6	30.6	88.2	88.3	6.4	6.4	4.2	5.1	7	7	-	-	816574	810676	-	-	-	-
						1.0	0.0	343	22.4		8.1		30.6		88.4		6.4		4.2		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.0	320	22.4	22.4	8.1	8.1	30.7	30.7	89.8	90.0	6.5	6.6	5.9		7		-				-		-	
						4.0	0.0	318	22.3		8.1		30.7		90.1		6.6		6.0		8		-				-		-	
SR6	Fine	Moderate	06:58	4.0	Surface	1.0	0.0	273	22.6	22.6	8.1	8.1	30.3	30.3	82.3	82.3	6.0	6.0	3.9	4.1	9	8	-	-	817875	814648	-	-	-	-
						1.0	0.0	274	22.6		8.1		30.3		82.3		6.0		3.8		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.0	271	22.6	22.6	8.1	8.1	30.4	30.4	82.3	82.3	6.0	6.0	4.4		8		-				-		-	
						3.0	0.0	271	22.6		8.1		30.4		82.3		6.0		4.4		8		-				-		-	
SR7	Cloudy	Moderate	05:33	16.8	Surface	1.0	1.1	65	23.6	23.6	7.9	7.9	31.2	31.2	82.7	82.7	5.9	5.9	1.6	2.6	4	4	-	-	823644	823759	-	-	-	-
						1.0	1.2	61	23.6		7.9		31.2		82.6		5.9		1.6		4		-				-		-	
					Middle	8.4	1.1	61	24.0	24.0	7.9	7.9	31.4	31.4	83.0	83.0	5.8		3.0		4		-				-		-	
						8.4	1.1	61	24.0		7.9		31.4		83.0		5.8		3.0		4		-				-		-	
					Bottom	15.8	1.1	72	24.0	24.0	7.9	7.9	31.5	31.5	83.9	84.0	5.9	5.9	3.2		3		-				-		-	
						15.8	1.1	74	24.0		7.9		31.5		84.0		5.9		3.2		4		-				-		-	
SR8	Cloudy	Moderate	07:11	5.0	Surface	1.0	-	-	23.1	23.1	8.0	8.0	30.3	30.3	91.0	91.0	6.6	6.6	11.8	8.4	4	5	-	-	820404	811611	-	-	-	-
						1.0	-	-	23.1		8.0		30.3		91.0		6.6		12.0		7		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	23.0	23.0	8.0	8.0	30.5	30.5	92.3	92.6	6.6	6.7	4.5		4		-				-		-	
						4.0	-	-	23.0		8.0		30.5		92.9		6.7		5.1		5		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	14:57	7.0	Surface	1.0	0.2	52	22.4	22.4	8.1	8.1	30.7	30.7	87.9	88.0	6.4	6.5	4.3	5.3	6	9	82	87	815607	804260	<0.2	<0.2	0.7	0.7
						1.0	0.1	51	22.4		8.1		30.7		88.1		6.4		4.3		7		82				<0.2		0.7	
					Middle	3.5	0.1	48	22.5	22.5	8.1	8.1	30.8	30.8	89.2	89.3	6.5		5.7		10		86				<0.2		0.7	
						3.5	0.1	46	22.5		8.1		30.8		89.4		6.5		5.6		9		87				<0.2		0.6	
					Bottom	6.0	0.1	32	22.5	22.5	8.1	8.1	30.8	30.8	90.0	90.1	6.5	6.5	6.0		9		91				<0.2		0.7	
						6.0	0.2	30	22.5		8.1		30.8		90.2		6.5		6.0		10		91				<0.2		0.8	
C2	Cloudy	Moderate	13:26	11.4	Surface	1.0	0.2	334	23.3	23.3	7.9	7.9	28.9	28.9	89.1	89.1	6.4	6.3	2.2	3.6	4	5	85	87	825706	806945	<0.2	<0.2	1.0	0.9
						1.0	0.2	334	23.3		7.9		28.9		89.0		6.4		2.2		5		84				<0.2		0.9	
					Middle	5.7	0.2	349	23.3	23.3	7.9	7.9	30.0	30.0	86.5	86.5	6.2		3.4		5		87				<0.2		0.7	
						5.7	0.2	348	23.3		7.9		30.0		86.4		6.2		3.5		4		88				<0.2		0.8	
					Bottom	10.4	0.2	6	23.3	23.3	7.9	7.9	30.2	30.2	86.3	86.3	6.2	6.2	5.2		5		89				<0.2		1.0	
						10.4	0.2	12	23.3		7.9		30.2		86.3		6.2		5.2		5		90				<0.2		1.1	
C3	Cloudy	Moderate	15:29	11.4	Surface	1.0	0.0	47	23.7	23.7	8.0	8.0	31.1	31.1	84.4	84.4	6.0	6.0	2.7	6.8	6	6	83	86	822105	817783	<0.2	<0.2	0.8	0.6
						1.0	0.0	48	23.7		8.0		31.1		84.3		6.0		3.1		5		84				<0.2		0.8	
					Middle	5.7	0.0	43	23.6	23.6	7.9	7.9	31.2	31.2	83.2	83.2	5.9		7.4		6		86				<0.2		0.5	
						5.7	0.0	45	23.6		7.9		31.2		83.2		5.9		7.7		6		87				<0.2		0.5	
					Bottom	10.4	0.0	70	23.6	23.6	7.9	7.9	31.2	31.2	83.4	83.4	5.9	5.9	10.2		6		90				<0.2		0.4	
						10.4	0.0	72	23.6		7.9		31.2		83.4		5.9		9.9		7		88				<0.2		0.5	
IM1	Fine	Moderate	14:49	6.8	Surface	1.0	0.1	14	22.4	22.4	8.1	8.1	30.8	30.8	86.8	86.9	6.3	6.4	3.6	4.3	7	9	83	87	818335	806480	<0.2	<0.2	0.7	0.8
						1.0	0.1	8	22.4		8.1		30.8		86.9		6.3		3.8		8		83				<0.2		0.8	
					Middle	2.0	0.1	36	22.5	22.5	8.1	8.1	30.9	30.9	87.6	87.8	6.4		4.1		10		87				<0.2		0.7	
						3.0	0.1	33	22.5		8.1		30.9		87.9		6.4		4.1		10		87				<0.2		0.8	
					Bottom	5.8	0.1	17	22.5	22.5	8.1	8.1	31.0	31.0	89.1	89.2	6.5	6.5	5.1		10		91				<0.2		0.7	
						5.8	0.1	20	22.5		8.1		31.0		89.3		6.5		5.1		11		91				<0.2		0.8	
IM2	Fine	Moderate	14:34	6.6	Surface	1.0	0.2	14	22.5	22.5	8.1	8.1	30.7	30.8	87.0	87.0	6.3	6.3	4.0	5.1	10	10	83	88	818829	806174	<0.2	<0.2	0.8	0.8
						1.0	0.2	21	22.5		8.1		30.8		86.9		6.3		4.0		10		83				<0.2		0.7	
					Middle	3.3	0.2	41	22.4	22.4	8.1	8.1	30.8	30.8	86.8	86.9	6.3		5.1		9		88				<0.2		0.7	
						3.3	0.2	46	22.4		8.1		30.8		86.9		6.3		5.1		10		89				<0.2		0.7	
					Bottom	5.6	0.2	20	22.4	22.4	8.1	8.1	30.8	30.8	87.8	87.9	6.4	6.4	6.1		9		91				<0.2		0.9	
						5.6	0.2	15	22.4		8.1		30.8		88.0		6.4		6.0		10		91				<0.2		0.8	
IM3	Fine	Moderate	14:30	8.2	Surface	1.0	0.2	29	22.5	22.5	8.1	8.1	30.2	30.2	87.9	87.9	6.4	6.4	2.9	3.6	9	8	85	88	819419	806001	<0.2	<0.2	0.8	0.7
						1.0	0.2	26	22.5		8.1		30.2		87.9		6.4		2.8		8		85				<0.2		0.7	
					Middle	4.1	0.2	36	22.5	22.5	8.1	8.1	30.2	30.2	88.3	88.4	6.4		3.2		8		88				<0.2		0.7	
						4.1	0.2	39	22.5		8.1		30.1		88.4		6.4		3.2		9		88				<0.2		0.7	
					Bottom	7.2	0.2	22	22.6	22.6	8.1	8.1	30.0	30.0	89.6	89.8	6.5	6.5	4.6		8		90				<0.2		0.7	
						7.2	0.2	17	22.6		8.1		30.0		89.9		6.5		4.6		8		90				<0.2		0.7	
IM4	Fine	Moderate	14:23	8.0	Surface	1.0	0.2	36	22.7	22.7	8.1	8.1	30.4	30.4	87.3	87.4	6.3	6.4	3.1	4.1	9	10	82	87	819598	805046	<0.2	<0.2	0.6	0.7
						1.0	0.2	32	22.7		8.1		30.4		87.4		6.3		3.1		9		82				<0.2		0.7	
					Middle	4.0	0.2	49	22.7	22.7	8.1	8.1	30.4	30.4	88.0	88.1	6.4		4.1		10		87				<0.2		0.8	
						4.0	0.1	50	22.7		8.1		30.4		88.2		6.4		4.1		9		87				<0.2		0.7	
					Bottom	7.0	0.2	42	22.7	22.8	8.1	8.1	30.3	30.3	89.8	90.0	6.5	6.5	5.2		11		92				<0.2		0.7	
						7.0	0.2	42	22.8		8.1		30.3		90.1		6.5		5.2		10		92				<0.2		0.8	
IM5	Fine	Moderate	14:11	7.6	Surface	1.0	0.1	19	22.7	22.7	8.1	8.1	30.3	30.4	87.3	87.3	6.3	6.4	3.1	4.1	10	9	84	87	820581	804934	<0.2	<0.2	0.7	0.7
						1.0	0.1	26	22.7		8.1		30.4		87.2		6.3		3.1		9		84				<0.2		0.7	
					Middle	3.8	0.1	11	22.7	22.7	8.1	8.1	30.3	30.3	87.8	87.9	6.4		4.5		8		87				<0.2		0.7	
						3.8	0.1	11	22.7		8.1		30.3		88.0		6.4		4.4		8		87				<0.2		0.8	
					Bottom	6.6	0.2	359	22.8	22.8	8.1	8.1	30.2	30.2	89.7	89.9	6.5	6.5	4.7		9		90				<0.2		0.7	
						6.6	0.2	6	22.8		8.1		30.2		90.0		6.5		4.6		9		90				<0.2		0.6	
IM6	Fine	Moderate	14:06	7.8	Surface	1.0	0.1	31	22.7	22.7	8.1	8.1	30.4	30.4	86.5	86.5	6.3	6.3	1.0	2.4	10	9	83	87	821048	805848	<0.2	<0.2	0.7	0.7
						1.0	0.2	24	22.7		8.1		30.3		86.5		6.3		1.0		11		83				<0.2		0.6	
					Middle	3.9	0.2	44	22.7	22.7	8.1	8.1	30.3	30.3	86.5	86.5	6.3		2.1		9		86				<0.2		0.7	
						3.9	0.2	48	22.7		8.1		30.3		86.5		6.3		2.1		8		86				<0.2		0.7	
					Bottom	6.8	0.2	30	22.7	22.7	8.1	8.1	30.3	30.3	86.8	86.8	6.3	6.3	4.0		9		91				<0.2		0.7	
						6.8	0.2	35	22.7		8.1		30.3		86.8		6.3		3.9		8		91				<0.2		0.6	
IM7	Fine	Moderate	13:54	7.4	Surface	1.0	0.2	38	22.7	22.7	8.1	8.1	30.3	30.3	87.7	87.8	6.4	6.4	2.1	3.2	10	8	83	87	821329	806852	<0.2	<0.2	0.8	0.7
						1.0	0.2	31	22.7		8.1		30.3		87.8		6.4		2.1		11		83				<0.2		0.7	
					Middle	3.7	0.2	15	22.8	22.9	8.1	8.1	30.2	30.2	88.9	89.1	6.4		3.3		7		88				<0.2		0.6	
						3.7	0.1	13	22.9		8.1		30.2		89.3		6.5		3.3		7		88				<0.2		0.6	
					Bottom	6.4	0.2	21	23.1	23.1	8.1	8.1	30.0	30.0	90.3	90.4	6.5	6.5	4.1		7		91				<0.2		0.8	
						6.4	0.1	23	23.1		8.1		29.9		90.5		6.5		4.1		7		91				<0.2		0.7	
IM8	Cloudy	Moderate	13:53	7.3	Surface	1.0	0.2	27	23.9	23.9	8.0	8.0	30.0	30.0	92.1	92.1	6.5	6.5	3.1	2.5	5	5	85	86	821683	807841	<0.2	<0.2	0.7	0.6
						1.0	0.3	34	23.9		8.0		29.9		92.1		6.5		3.1		4		84				<0.2		0.6	
					Middle	3.7	0.2	9	23.3	23.3	8.0	8.0	30.1	30.1	90.6	90.6	6.5		2.3		5		89				<0.2		0.6	
						3.7	0.2	10	23.3		8.0		30.1		90.6		6.5		2.2		4		90				<0.2		0.6	
					Bottom	6.3	0.2	359	23.3	23.3	8.0	8.0	30.1	30.1	90.7	90.7	6.5	6.5	2.1		5		84				<0.2		0.6	
						6.3	0.1	1	23.3		8.0		30.1		90.7		6.5		2.1		6		85				<0.2		0.7	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 21 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	14:01	7.0	Surface	1.0	0.2	346	23.3	23.3	8.0	8.0	30.2	30.2	91.2	91.2	6.6	6.5	2.9	3.0	4	5	86	87	822069	808798	<0.2	<0.2	0.6	0.6
						1.0	0.2	340	23.2		8.0		30.2		91.1		6.5		2.9		5		87							
					Middle	3.5	0.1	355	23.2	23.2	8.0	8.0	30.2	30.2	91.0	91.0	6.5		3.0		5		89							
						3.5	0.1	1	23.2		8.0		30.2		90.9		6.5		3.0		4		90							
					Bottom	6.0	0.1	326	23.2	23.2	8.0	8.0	30.2	30.2	90.8	90.8	6.5	6.5	3.0		4		85							
						6.0	0.1	332	23.2		8.0		30.2		90.8		6.5		2.9		5		84							
IM10	Cloudy	Moderate	14:11	7.5	Surface	1.0	0.2	328	23.2	23.2	8.0	8.0	30.2	30.2	90.5	90.5	6.5	6.5	1.9	2.4	3	3	87	87	822257	809840	<0.2	<0.2	0.6	0.6
						1.0	0.2	330	23.2		8.0		30.2		90.4		6.5		1.9		3		86							
					Middle	3.8	0.1	309	23.0	23.0	8.0	8.0	30.3	30.3	89.5	89.5	6.4		2.6		4		89							
						3.8	0.1	313	23.0		8.0		30.3		89.5		6.4		2.5		3		90							
					Bottom	6.5	0.1	315	23.0	23.0	8.0	8.0	30.3	30.3	89.4	89.4	6.4	6.4	2.8		3		85							
						6.5	0.2	317	23.0		8.0		30.3		89.4		6.4		2.8		3		84							
IM11	Cloudy	Moderate	13:24	7.9	Surface	1.0	0.2	304	23.5	23.5	8.0	8.0	30.1	30.1	91.5	91.5	6.5	6.6	3.8	4.3	6	5	86	87	821487	810538	<0.2	<0.2	0.4	0.5
						1.0	0.2	301	23.5		8.0		30.1		91.5		6.5		3.8		5		88							
					Middle	4.0	0.1	284	23.5	23.5	8.0	8.0	30.1	30.1	92.0	92.0	6.6		3.8		6		89							
						4.0	0.1	282	23.5		8.0		30.1		92.0		6.6		3.8		5		88							
					Bottom	6.9	0.2	268	23.5	23.5	8.0	8.0	30.1	30.1	93.2	93.3	6.7	6.7	4.9		5		84							
						6.9	0.1	265	23.5		8.0		30.1		93.4		6.7		5.9		5		85							
IM12	Cloudy	Moderate	13:34	8.1	Surface	1.0	0.2	289	23.6	23.6	8.0	8.0	30.1	30.1	91.1	91.1	6.5	6.5	4.8	4.2	4	4	86	87	821157	811519	<0.2	<0.2	0.4	0.4
						1.0	0.2	283	23.5		8.0		30.1		91.1		6.5		4.8		4		86							
					Middle	4.1	0.2	295	23.5	23.5	8.0	8.0	30.1	30.1	91.1	91.2	6.5		3.8		5		89							
						4.1	0.3	293	23.5		8.0		30.1		91.2		6.5		3.9		5		90							
					Bottom	7.1	0.3	279	23.5	23.5	8.0	8.0	30.1	30.1	91.8	91.9	6.6	6.6	3.9		4		85							
						7.1	0.3	276	23.5		8.0		30.1		91.9		6.6		4.0		4		84							
SR1A	Cloudy	Moderate	14:50	4.9	Surface	1.0	0.0	283	23.4	23.4	7.9	7.9	30.6	30.6	89.0	89.0	6.4	6.4	8.4	9.5	6	7	-	-	819955	812680	-	-	-	-
						1.0	0.1	290	23.4		7.9		30.6		89.0		6.4		8.8		7		-							
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-	-	-	-
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	300	23.4	23.4	7.9	7.9	30.6	30.6	89.0	89.0	6.4	6.4	10.3		7		-				-		-	
						3.9	0.0	305	23.4		7.9		30.6		89.0		6.4		10.6		6		-				-		-	
SR2	Cloudy	Moderate	15:05	4.9	Surface	1.0	0.1	160	23.3	23.3	8.0	8.0	30.6	30.6	89.5	89.5	6.4	6.4	3.2	4.3	3	4	86	87	821457	814147	<0.2	<0.2	0.5	0.6
						1.0	0.1	161	23.3		8.0		30.6		89.4		6.4		3.4		3		87				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	158	23.2	23.2	8.0	8.0	30.7	30.7	88.8	88.8	6.4	6.4	5.2		4		88				<0.2		0.6	
						3.9	0.0	161	23.2		8.0		30.7		88.7		6.4		5.3		4		87				<0.2		0.6	
SR3	Cloudy	Moderate	13:46	9.6	Surface	1.0	0.2	7	23.5	23.5	7.9	7.9	29.8	29.8	89.4	89.4	6.4	6.4	2.3	2.5	4	4	-	-	822147	807574	-	-	-	-
						1.0	0.2	6	23.5		7.9		29.8		89.4		6.4		2.3		4		-				-		-	
					Middle	4.8	0.2	345	23.3	23.3	7.9	7.9	29.9	29.9	88.3	88.3	6.3		2.4		3		-				-		-	
						4.8	0.2	340	23.3		7.9		29.9		88.3		6.3		2.4		4		-				-		-	
					Bottom	8.6	0.2	7	23.3	23.3	7.9	7.9	30.1	30.1	89.0	89.1	6.4	6.4	2.9		4		-				-		-	
						8.6	0.3	10	23.3		7.9		30.1		89.1		6.4		2.9		4		-				-		-	
SR4A	Fine	Moderate	15:09	9.6	Surface	1.0	0.0	134	22.6	22.6	8.1	8.1	30.6	30.6	88.3	88.3	6.4	6.4	5.5	6.3	6	5	-	-	817190	807828	-	-	-	-
						1.0	0.0	132	22.6		8.1		30.6		88.3		6.4		5.4		5		-				-		-	
					Middle	4.8	0.0	120	22.6	22.6	8.1	8.1	30.6	30.6	88.6	88.6	6.4		6.0		5		-				-		-	
						4.8	0.1	121	22.6		8.1		30.6		88.6		6.4		6.0		6		-				-		-	
					Bottom	8.6	0.0	123	22.6	22.6	8.1	8.1	30.6	30.6	89.2	89.3	6.5	6.5	7.3		5		-				-		-	
						8.6	0.1	123	22.6		8.1		30.6		89.3		6.5		7.3		5		-				-		-	
SR5A	Fine	Moderate	15:17	4.4	Surface	1.0	0.0	92	22.7	22.7	8.1	8.1	30.7	30.8	89.7	89.7	6.5	6.5	3.6	4.1	6	6	-	-	816583	810700	-	-	-	-
						1.0	0.0	84	22.7		8.1		30.8		89.7		6.5		3.5		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	95	22.7	22.7	8.1	8.1	30.7	30.7	89.7	89.7	6.5	6.5	4.6		7		-				-		-	
						3.4	0.0	91	22.7		8.1		30.7		89.6		6.5		4.5		6		-				-		-	
SR6	Fine	Moderate	15:28	4.4	Surface	1.0	0.0	65	22.7	22.7	8.1	8.1	30.6	30.7	89.6	89.7	6.5	6.5	3.0	3.9	6	6	-	-	817885	814646	-	-	-	-
						1.0	0.0	69	22.7		8.1		30.7		89.7		6.5		3.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	85	22.7	22.7	8.1	8.1	30.7	30.7	89.7	89.7	6.5	6.5	4.7		6		-				-		-	
						3.4	0.0	89	22.7		8.1		30.7		89.7		6.5		4.7		6		-				-		-	
SR7	Cloudy	Moderate	16:04	17.4	Surface	1.0	0.1	240	24.0	24.0	7.9	7.9	31.4	31.4	82.5	82.5	5.8	5.8	2.5	2.9	4	4	-	-	823642	823726	-	-	-	-
						1.0	0.1	237	24.0		7.9		31.4		82.5		5.8		2.5		3		-				-		-	
					Middle	8.7	0.2	268	24.0	24.0	7.9	7.9	31.4	31.4	82.4	82.4	5.8		2.9		4		-				-		-	
						8.7	0.2	267	24.0		7.9		31.4		82.4		5.8		2.9		3		-				-		-	
					Bottom	16.4	0.2	273	24.0	24.0	7.9	7.9	31.4	31.4	82.8	82.8	5.8	5.8	3.2		3		-				-		-	
						16.4	0.2	269	24.0		7.9		31.4		82.8		5.8		3.2		4		-				-		-	
SR8	Cloudy	Moderate	13:40	4.5	Surface	1.0	-	-	23.5	23.5	8.0	8.0	30.0	30.0	92.8	92.8	6.6	6.6	7.1	6.6	4	4	-	-	820371	811642	-	-	-	-
						1.0	-	-	23.5		8.0		30.0		92.8		6.6		7.3		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.5	-	-	23.4	23.4	8.0	8.0	30.2	30.2	94.1	94.4	6.8	6.8	5.8		4		-				-		-	
						3.5	-	-	23.4		8.0		30.2		94.7		6.8		6.3		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 November 23 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	Fine	Moderate	09:51	7.8	Surface	1.0	0.2	14	23.0	23.0	8.2	8.2	30.4	30.4	87.1	87.1	6.3	6.3	1.5	2.3	4	6	78	85	815610	804264	<0.2	<0.2	0.7	0.7
						1.0	0.1	17	23.0		8.2		30.4		87.0		6.3		1.4		5		77				<0.2		0.6	
					Middle	3.9	0.1	42	22.9	22.9	8.2	8.2	30.4	30.5	87.1	87.2	6.3		2.2		5		86				<0.2		0.7	
						3.9	0.1	40	22.8		8.2		30.5		87.3		6.3		2.3		6		86				<0.2		0.7	
					Bottom	6.8	0.1	30	22.8	22.8	8.2	8.2	30.5	30.5	88.7	88.8	6.4	6.4	3.2		7		90				<0.2		0.6	
						6.8	0.1	30	22.8		8.2		30.5		88.9		6.4		3.2		7		90				<0.2		0.7	
C2	Cloudy	Moderate	10:53	11.6	Surface	1.0	0.1	354	23.6	23.6	8.0	8.0	29.1	29.1	90.8	90.8	6.5	6.5	2.5	4.1	8	6	84	88	825690	806922	<0.2	<0.2	0.5	0.6
						1.0	0.1	355	23.6		8.0		29.1		90.8		6.5		2.5		6		85				<0.2		0.6	
					Middle	5.8	0.1	325	23.5	23.5	8.0	8.0	29.3	29.3	90.2	90.3	6.5		4.6		7		88				<0.2		0.5	
						5.8	0.1	321	23.5		8.0		29.3		90.3		6.5		4.0		6		88				<0.2		0.6	
					Bottom	10.6	0.1	351	23.5	23.5	8.0	8.0	29.3	29.3	90.5	90.5	6.5	6.5	5.4		5		91				<0.2		0.6	
						10.6	0.1	348	23.5		8.0		29.3		90.5		6.5		5.5		5		89				<0.2		0.7	
C3	Cloudy	Moderate	08:40	11.5	Surface	1.0	0.3	276	23.5	23.5	7.9	7.9	30.6	30.6	84.7	84.6	6.0	6.0	3.5	4.3	5	6	85	87	822090	817802	<0.2	<0.2	0.6	0.6
						1.0	0.3	270	23.5		7.9		30.6		84.5		6.0		3.7		6		84				<0.2		0.6	
					Middle	5.8	0.2	308	23.6	23.7	7.9	7.9	30.9	30.9	83.5	83.5	5.9		5.9		5		87				<0.2		0.7	
						5.8	0.2	302	23.7		7.9		30.9		83.5		5.9		5.9		6		88				<0.2		0.6	
					Bottom	10.5	0.3	302	23.7	23.7	7.9	7.9	31.1	31.1	84.3	84.4	6.0	6.0	3.2		6		89				<0.2		0.6	
						10.5	0.3	295	23.7		7.9		31.1		84.4		6.0		3.3		7		90				<0.2		0.6	
IM1	Fine	Moderate	10:01	7.0	Surface	1.0	0.0	24	22.9	22.9	8.2	8.2	30.2	30.2	88.4	88.4	6.4	6.5	3.3	3.7	4	3	73	78	818362	806446	<0.2	<0.2	0.7	0.7
						1.0	0.0	17	22.9		8.2		30.2		88.4		6.4		3.3		5		73				<0.2		0.7	
					Middle	3.5	0.1	10	22.9	22.9	8.2	8.2	30.2	30.3	89.7	89.8	6.5		3.7		3		79				<0.2		0.6	
						3.5	0.1	15	22.9		8.2		30.3		89.8		6.5		3.7		2		79				<0.2		0.7	
					Bottom	6.0	0.0	9	22.9	22.9	8.2	8.2	30.3	30.3	91.0	91.2	6.6	6.6	4.1		2		83				<0.2		0.6	
						6.0	0.0	2	22.9		8.2		30.3		91.3		6.6		4.0		3		83				<0.2		0.6	
IM2	Fine	Moderate	10:07	8.2	Surface	1.0	0.1	268	23.0	23.0	8.2	8.2	29.9	29.9	89.3	89.4	6.4	6.5	1.9	2.0	5	4	45	74	818828	806205	<0.2	<0.2	0.6	0.7
						1.0	0.1	270	23.0		8.2		29.9		89.4		6.5		1.9		4		45				<0.2		0.6	
					Middle	4.1	0.1	249	23.1	23.1	8.2	8.2	30.1	30.1	90.6	90.7	6.5		2.0		4		87				<0.2		0.7	
						4.1	0.1	254	23.1		8.2		30.1		90.7		6.5		1.9		3		87				<0.2		0.7	
					Bottom	7.2	0.1	231	23.1	23.1	8.2	8.2	30.0	30.0	91.5	91.6	6.6	6.6	2.1		4		89				<0.2		0.7	
						7.2	0.1	235	23.1		8.2		30.0		91.7		6.6		2.0		3		89				<0.2		0.8	
IM3	Fine	Moderate	10:22	7.6	Surface	1.0	0.1	357	22.9	22.9	8.2	8.2	29.2	29.2	90.2	90.3	6.5	6.6	1.9	2.1	4	5	46	74	819391	806035	<0.2	<0.2	0.8	0.8
						1.0	0.1	350	22.9		8.2		29.2		90.3		6.6		1.9		4		46				<0.2		0.9	
					Middle	3.8	0.1	2	22.9	22.9	8.2	8.2	29.3	29.3	91.2	91.3	6.6		2.1		4		87				<0.2		0.8	
						3.8	0.1	357	22.9		8.2		29.3		91.4		6.6		2.0		5		87				<0.2		0.7	
					Bottom	6.6	0.2	339	22.9	22.9	8.2	8.2	29.3	29.3	92.2	92.3	6.7	6.7	2.3		4		90				<0.2		0.7	
						6.6	0.2	337	22.9		8.2		29.3		92.4		6.7		2.4		6		90				<0.2		0.7	
IM4	Fine	Moderate	10:36	8.0	Surface	1.0	0.2	333	22.9	22.9	8.2	8.2	29.5	29.5	89.8	89.9	6.5	6.6	2.5	3.0	3	4	82	85	819563	805028	<0.2	<0.2	0.7	0.7
						1.0	0.2	325	22.9		8.2		29.5		89.9		6.5		2.5		3		83				<0.2		0.7	
					Middle	4.0	0.1	335	22.9	22.9	8.2	8.2	29.5	29.5	91.0	91.1	6.6		3.0		4		86				<0.2		0.7	
						4.0	0.1	331	22.9		8.2		29.5		91.1		6.6		3.1		4		86				<0.2		0.8	
					Bottom	7.0	0.2	317	22.9	22.9	8.2	8.2	29.5	29.5	91.9	92.0	6.7	6.7	3.4		4		86				<0.2		0.6	
						7.0	0.2	322	22.9		8.2		29.5		92.1		6.7		3.4		5		86				<0.2		0.6	
IM5	Fine	Moderate	10:46	8.6	Surface	1.0	0.2	324	22.9	22.9	8.2	8.2	29.5	29.5	88.7	88.8	6.4	6.4	1.1	1.9	5	4	69	82	820560	804924	<0.2	<0.2	0.8	0.8
						1.0	0.3	318	22.9		8.2		29.5		88.8		6.4		1.1		4		69				<0.2		0.7	
					Middle	4.3	0.2	317	22.9	22.9	8.2	8.2	29.5	29.5	88.8	88.8	6.4		2.1		4		87				<0.2		0.7	
						4.3	0.2	322	22.9		8.2		29.5		88.8		6.4		2.1		3		87				<0.2		0.8	
					Bottom	7.6	0.2	329	22.9	22.9	8.2	8.2	29.4	29.4	89.0	89.0	6.5	6.5	2.6		3		91				<0.2		0.8	
						7.6	0.3	334	22.9		8.2		29.4		89.0		6.5		2.6		4		91				<0.2		0.8	
IM6	Fine	Moderate	10:57	7.6	Surface	1.0	0.2	306	22.9	22.9	8.2	8.2	29.8	29.8	88.5	88.6	6.4	6.4	1.1	2.2	3	4	46	75	821082	805810	<0.2	<0.2	0.6	0.7
						1.0	0.2	309	22.9		8.2		29.8		88.6		6.4		1.1		4		45				<0.2		0.7	
					Middle	3.8	0.2	298	22.9	22.9	8.2	8.2	29.8	29.9	88.9	89.0	6.4		2.2		4		87				<0.2		0.6	
						3.8	0.1	298	22.9		8.2		29.9		89.1		6.5		2.2		4		87				<0.2		0.7	
					Bottom	6.6	0.2	304	22.9	22.9	8.2	8.2	29.7	29.7	90.2	90.3	6.5	6.5	3.2		4		91				<0.2		0.7	
						6.6	0.1	303	22.9		8.2		29.7		90.3		6.5		3.2		5		91				<0.2		0.7	
IM7	Fine	Moderate	11:10	8.0	Surface	1.0	0.2	330	22.9	22.9	8.2	8.2	29.8	29.8	87.9	87.9	6.4	6.4	2.6	3.3	5	5	43	74	821331	806854	<0.2	<0.2	0.6	0.7
						1.0	0.1	336	22.9		8.2		29.8		87.9		6.4		2.6		4		43				<0.2		0.7	
					Middle	4.0	0.2	322	22.9	22.9	8.2	8.2	29.8	29.8	87.9	87.9	6.4		3.0		5		88				<0.2		0.6	
						4.0	0.2	325	22.9		8.2		29.8		87.9		6.4		3.0		4		88				<0.2		0.6	
					Bottom	7.0	0.2	322	22.9	22.9	8.2	8.2	29.8	29.8	88.3	88.4	6.4	6.4	4.4		5		90				<0.2		0.7	
						7.0	0.2	327	22.9		8.2		29.8		88.4		6.4		4.3		6		91				<0.2		0.7	
IM8	Cloudy	Moderate	10:21	7.2	Surface	1.0	0.2	270	23.6	23.6	8.0	8.0	29.1	29.1	91.6	91.6	6.6	6.6	1.6	6.6	3	5	85	87	821714	807842	<0.2	<0.2	0.6	0.6
						1.0	0.1	265	23.6		8.0		29.1		91.5		6.6		1.7		4		84				<0.2		0.6	
					Middle	3.6	0.2	261	23.6	23.6	8.0	8.0	29.2	29.2	91.1	91.1	6.5		7.2		6		87				<0.2		0.6	
						3.6	0.3	254	23.6		8.0		29.2		91.0		6.5		7.5		5		88				<0.2		0.6	
					Bottom	6.2	0.2	274	23.6	23.6	8.0	8.0	29.2	29.2	90.9	90.9	6.5	6.5	10.6		6		89				<0.2		0.5	
						6.2	0.2	270	23.6		8.0		29.2		90.9		6.5		10.9		5		88				<0.2		0.4	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	10:16	6.8	Surface	1.0	0.2	252	23.7	23.7	8.0	8.0	29.2	29.2	91.6	91.6	6.6	6.6	1.1	2.1	5	5	85	87	822073	808792	<0.2	<0.2	0.5	0.6
						1.0	0.2	252	23.7		8.0		29.2		91.6		6.6		1.2		6		85				<0.2		0.6	
					Middle	3.4	0.2	266	23.6	23.6	8.0	8.0	29.3	29.3	91.2	91.2	6.5		2.1		5		86				<0.2		0.5	
						3.4	0.3	265	23.6		8.0		29.3		91.2		6.5		2.2		4		86				<0.2		0.6	
					Bottom	5.8	0.2	258	23.6	23.6	8.0	8.0	29.3	29.3	91.5	91.5	6.6	6.6	2.7		5		89				<0.2		0.6	
						5.8	0.3	261	23.6		8.0		29.3		91.5		6.6		3.0		4		90				<0.2		0.5	
IM10	Cloudy	Moderate	10:09	7.0	Surface	1.0	0.3	273	23.6	23.6	8.0	8.0	29.4	29.4	91.6	91.6	6.6	6.6	1.2	1.6	4	4	85	87	822218	809829	<0.2	<0.2	0.5	0.5
						1.0	0.3	269	23.6		8.0		29.4		91.6		6.6		1.3		4		84				<0.2		0.6	
					Middle	3.5	0.2	255	23.5	23.5	8.0	8.0	29.5	29.5	92.0	92.1	6.6		1.8		4		86				<0.2		0.5	
						3.5	0.2	261	23.5		8.0		29.5		92.1		6.6		1.9		4		88				<0.2		0.6	
					Bottom	6.0	0.2	289	23.5	23.6	8.0	8.0	29.5	29.5	92.8	92.9	6.7	6.7	1.7		5		89				<0.2		0.5	
						6.0	0.3	290	23.6		8.0		29.5		93.0		6.7		1.7		4		88				<0.2		0.5	
IM11	Cloudy	Moderate	10:00	7.6	Surface	1.0	0.3	264	23.5	23.5	8.0	8.0	29.6	29.6	90.0	90.0	6.5	6.5	1.8	2.0	4	4	85	87	821481	810534	<0.2	<0.2	0.6	0.5
						1.0	0.4	266	23.5		8.0		29.6		90.0		6.5		1.8		3		84				<0.2		0.5	
					Middle	3.8	0.3	281	23.5	23.5	8.0	8.0	29.6	29.6	89.8	89.8	6.4		1.9		3		88				<0.2		0.5	
						3.8	0.3	279	23.5		8.0		29.6		89.8		6.4		2.0		4		86				<0.2		0.5	
					Bottom	6.6	0.2	291	23.5	23.5	8.0	8.0	29.6	29.6	89.8	89.8	6.4	6.4	2.3		4		89				<0.2		0.5	
						6.6	0.2	287	23.5		8.0		29.6		89.8		6.4		2.4		4		90				<0.2		0.5	
IM12	Cloudy	Moderate	09:52	8.8	Surface	1.0	0.3	296	23.8	23.8	8.0	8.0	29.2	29.3	91.7	91.6	6.6	6.5	1.1	2.3	3	5	84	87	821144	811518	<0.2	<0.2	0.4	0.5
						1.0	0.3	293	23.8		8.0		29.3		91.5		6.5		1.2		4		85				<0.2		0.4	
					Middle	4.4	0.3	273	23.5	23.5	8.0	8.0	29.6	29.6	89.8	89.8	6.4		2.2		6		86				<0.2		0.5	
						4.4	0.3	273	23.4		8.0		29.6		89.7		6.4		2.2		5		87				<0.2		0.5	
					Bottom	7.8	0.3	283	23.4	23.4	8.0	8.0	29.7	29.7	89.7	89.8	6.4	6.5	3.4		6		89				<0.2		0.6	
						7.8	0.3	282	23.4		8.0		29.7		89.8		6.5		3.4		7		90				<0.2		0.5	
SR1A	Cloudy	Moderate	09:20	5.5	Surface	1.0	0.0	75	23.4	23.4	8.0	8.0	29.9	29.9	91.8	91.8	6.6	6.6	2.6	3.5	5	6	-	-	819982	812654	-	-	-	-
						1.0	0.1	80	23.4		8.0		29.9		91.8		6.6		2.6		6		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.5	-	51	23.4	23.4	8.0	8.0	30.4	30.4	95.0	95.1	6.8	6.8	4.5		6		-				-		-	
						4.5	-	50	23.4		8.0		30.4		95.2		6.8		4.2		5		-				-		-	
SR2	Cloudy	Moderate	09:04	4.3	Surface	1.0	0.2	13	23.4	23.4	8.0	8.0	29.7	29.7	92.6	92.6	6.7	6.7	2.4	2.7	6	5	85	87	821440	814177	<0.2	<0.2	0.5	0.6
						1.0	0.1	11	23.4		8.0		29.7		92.6		6.7		2.4		5		84				<0.2		0.6	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.3	0.1	12	23.4	23.4	8.0	8.0	29.7	29.7	93.4	93.5	6.7	6.7	3.1		4		89				<0.2		0.5	
						3.3	0.1	14	23.4		8.0		29.7		93.6		6.7		3.0		4		90				<0.2		0.6	
SR3	Cloudy	Moderate	10:30	8.3	Surface	1.0	0.0	297	23.6	23.6	8.0	8.0	29.1	29.1	91.9	91.9	6.6	6.6	1.7	5.1	3	4	-	-	822170	807558	-	-	-	-
						1.0	0.0	302	23.6		8.0		29.1		91.9		6.6		1.8		3		-				-		-	
					Middle	4.2	0.1	302	23.6	23.6	8.0	8.0	29.2	29.2	91.6	91.6	6.6		3.7		3		-				-		-	
						4.2	0.1	304	23.6		8.0		29.2		91.6		6.6		3.8		4		-				-		-	
					Bottom	7.3	0.1	305	23.6	23.6	8.0	8.0	29.2	29.2	91.5	91.5	6.6	6.6	9.4		4		-				-		-	
						7.3	0.1	298	23.6		8.0		29.2		91.5		6.6		9.9		5		-				-		-	
SR4A	Fine	Moderate	09:11	9.0	Surface	1.0	0.0	236	23.1	23.1	8.2	8.2	30.4	30.4	91.2	91.3	6.6	6.6	1.1	2.2	4	4	-	-	817203	807809	-	-	-	-
						1.0	0.0	242	23.1		8.2		30.3		91.4		6.6		1.1		3		-				-		-	
					Middle	4.5	0.1	239	23.1	23.1	8.2	8.2	30.4	30.4	89.9	90.1	6.5		2.2		4		-				-		-	
						4.5	0.1	241	23.1		8.2		30.4		90.2		6.5		2.2		3		-				-		-	
					Bottom	8.0	0.1	212	22.9	22.9	8.2	8.2	30.5	30.5	91.0	91.1	6.6	6.6	3.3		4		-				-		-	
						8.0	0.0	218	22.9		8.2		30.5		91.1		6.6		3.3		4		-				-		-	
SR5A	Fine	Moderate	08:46	4.8	Surface	1.0	0.2	307	22.8	22.8	8.1	8.1	30.3	30.4	86.9	86.9	6.3	6.3	4.3	4.7	5	4	-	-	816583	810687	-	-	-	-
						1.0	0.2	313	22.8		8.1		30.4		86.8		6.3		4.3		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.1	303	22.9	22.9	8.1	8.1	30.5	30.5	87.1	87.2	6.3	6.3	5.0		3		-				-		-	
						3.8	0.1	296	22.9		8.1		30.5		87.2		6.3		5.0		4		-				-		-	
SR6	Fine	Moderate	08:42	4.4	Surface	1.0	0.1	242	22.9	22.9	8.1	8.1	30.4	30.8	87.4	87.4	6.3	6.3	1.2	1.6	4	4	-	-	817883	814655	-	-	-	-
						1.0	0.1	239	22.9		8.1		31.1		87.4		6.3		1.1		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	237	22.8	22.8	8.1	8.1	30.4	30.4	87.1	87.1	6.3	6.3	2.0		3		-				-		-	
						3.4	0.1	239	22.8		8.1		30.4		87.1		6.3		2.0		4		-				-		-	
SR7	Cloudy	Moderate	08:01	16.4	Surface	1.0	0.2	53	23.4	23.4	7.9	7.9	30.6	30.6	86.4	86.3	6.2	6.1	1.1	2.1	3	3	-	-	823637	823727	-	-	-	-
						1.0	0.3	49	23.4		7.9		30.6		86.2		6.2		1.1		2		-				-		-	
					Middle	8.2	0.3	76	23.8	23.8	7.9	7.9	31.2	31.2	83.8	83.8	5.9		2.3		2		-				-		-	
						8.2	0.3	78	23.8		7.9		31.2		83.8		5.9		2.4		3		-				-		-	
					Bottom	15.4	0.3	52	23.8	23.8	7.9	7.9	31.3	31.3	84.5	84.6	6.0	6.0	2.7		4		-				-		-	
						15.4	0.3	57	23.8		7.9		31.3		84.6		6.0		2.8		5		-				-		-	
SR8	Cloudy	Moderate	09:45	4.9	Surface	1.0	-	-	23.5	23.5	8.0	8.0	29.1	29.1	91.7	91.7	6.6	6.6	1.2	1.3	4	5	-	-	820384	811602	-	-	-	-
						1.0	-	-	23.5		8.0		29.1		91.7		6.6		1.2		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	23.4	23.4	8.0	8.0	29.2	29.2	91.3	91.3	6.6	6.6	1.3		5		-				-		-	
						3.9	-	-	23.4		8.0		29.2		91.3		6.6		1.3		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Moderate	17:13	7.2	Surface	1.0	0.1	200	22.9	22.9	8.2	8.2	29.4	29.5	88.2	88.3	6.4	6.4	1.0	1.5	3	4	84	87	815634	804235	<0.2	<0.2	0.6	0.7
						1.0	0.1	192	22.9		8.2		29.5		88.3		6.4		1.1		3		84				<0.2		0.7	
					Middle	3.6	0.1	190	22.9	22.9	8.2	8.2	29.4	29.5	88.6	88.7	6.4		1.1		4		87				<0.2		0.7	
						3.6	0.1	195	22.9		8.2		29.5		88.7		6.4		1.1		4		87				<0.2		0.6	
					Bottom	6.2	0.0	187	23.0	23.0	8.2	8.2	29.4	29.4	89.1	89.1	6.5	6.5	2.3		4		91				<0.2		0.6	
						6.2	0.1	191	23.0		8.2		29.4		89.1		6.5		2.3		4		91				<0.2		0.7	
C2	Cloudy	Moderate	14:37	10.8	Surface	1.0	0.1	332	23.7	23.7	7.9	7.9	27.5	27.5	90.6	90.6	6.6	6.3	1.1	4.8	4	5	78	80	825704	806932	<0.2	<0.2	1.0	0.9
						1.0	0.1	334	23.7		7.9		27.5		90.5		6.5		1.1		4		78				<0.2		1.1	
					Middle	5.4	0.1	330	23.5	23.5	7.9	7.9	29.6	29.6	84.8	84.8	6.1		4.2		5		80				<0.2		0.9	
						5.4	0.1	330	23.5		7.9		29.6		84.8		6.1		4.4		4		81				<0.2		0.8	
					Bottom	9.8	0.1	322	23.5	23.5	7.9	7.9	29.7	29.7	84.8	84.8	6.1	6.1	9.1		5		82				<0.2		0.8	
						9.8	0.1	315	23.5		7.9		29.7		84.8		6.1		9.0		6		83				<0.2		0.8	
C3	Cloudy	Moderate	16:23	10.6	Surface	1.0	0.1	95	23.8	23.8	7.9	7.9	30.9	30.9	84.9	84.9	6.0	6.0	1.8	8.1	6	6	78	81	822125	817791	<0.2	<0.2	0.4	0.5
						1.0	0.1	88	23.8		7.9		30.9		84.8		6.0		1.8		5		78				<0.2		0.4	
					Middle	5.3	0.1	89	23.8	23.8	7.9	7.9	31.0	31.0	85.1	85.2	6.0		13.4		6		81				<0.2		0.4	
						5.3	0.1	88	23.8		7.9		31.0		85.2		6.0		13.0		6		81				<0.2		0.5	
					Bottom	9.6	0.1	72	23.8	23.8	7.9	7.9	31.0	31.0	87.1	87.3	6.2	6.2	9.1		6		84				<0.2		0.5	
						9.6	0.1	78	23.8		7.9		31.0		87.4		6.2		9.5		7		82				<0.2		0.5	
IM1	Fine	Moderate	17:04	6.6	Surface	1.0	0.0	175	22.9	22.9	8.2	8.2	29.6	29.6	89.9	90.0	6.5	6.6	1.0	1.0	5	5	82	85	818351	806473	<0.2	<0.2	0.8	0.8
						1.0	0.0	168	22.9		8.2		29.6		90.1		6.5		1.0		5		82				<0.2		0.9	
					Middle	3.3	-	169	22.9	22.9	8.2	8.2	29.6	29.6	90.7	90.8	6.6		1.0		4		86				<0.2		0.9	
						3.3	0.0	172	22.9		8.2		29.6		90.9		6.6		1.0		5		86				<0.2		0.8	
					Bottom	5.6	0.0	173	22.9	22.9	8.2	8.2	29.6	29.6	92.0	92.2	6.7	6.7	1.1		4		87				<0.2		0.6	
						5.6	0.0	167	22.9		8.2		29.6		92.4		6.7		1.1		4		87				<0.2		0.6	
IM2	Fine	Moderate	16:39	6.8	Surface	1.0	0.0	104	23.0	23.0	8.2	8.2	30.1	30.1	91.8	91.8	6.6	6.7	2.1	3.2	3	5	46	75	818840	806188	<0.2	<0.2	0.8	0.7
						1.0	0.1	105	23.0		8.2		30.1		91.8		6.6		2.1		4		46				<0.2		0.7	
					Middle	3.4	0.0	103	23.0	23.0	8.2	8.2	30.3	30.3	92.5	92.5	6.7		3.1		4		87				<0.2		0.7	
						3.4	0.0	109	23.0		8.2		30.3		92.5		6.7		3.1		5		87				<0.2		0.8	
					Bottom	5.8	0.0	108	23.0	23.0	8.2	8.2	30.3	30.3	92.7	92.8	6.7	6.7	4.2		6		91				<0.2		0.7	
						5.8	0.0	108	23.0		8.2		30.2		92.8		6.7		4.3		5		92				<0.2		0.7	
IM3	Fine	Moderate	16:31	8.4	Surface	1.0	0.1	106	23.3	23.3	8.2	8.2	30.3	30.3	88.8	88.8	6.4	6.4	2.0	3.3	5	5	44	76	819402	806038	<0.2	<0.2	0.6	0.7
						1.0	0.1	103	23.3		8.2		30.3		88.8		6.4		2.0		6		44				<0.2		0.6	
					Middle	4.2	0.0	125	23.3	23.3	8.2	8.2	30.3	30.3	88.9	88.9	6.4		3.4		5		91				<0.2		0.7	
						4.2	0.0	124	23.3		8.2		30.3		88.9		6.4		3.4		4		91				<0.2		0.6	
					Bottom	7.4	0.0	97	23.3	23.3	8.2	8.2	30.3	30.3	89.1	89.1	6.4	6.4	4.6		4		94				<0.2		0.8	
						7.4	0.1	97	23.3		8.2		30.3		89.1		6.4		4.6		5		94				<0.2		0.7	
IM4	Fine	Moderate	16:25	8.0	Surface	1.0	0.0	127	23.3	23.3	8.2	8.2	30.3	30.3	90.5	90.6	6.5	6.6	3.1	4.6	5	3	83	89	819573	805036	<0.2	<0.2	0.6	0.8
						1.0	0.1	134	23.3		8.2		30.3		90.6		6.5		3.1		4		83				<0.2		0.7	
					Middle	4.0	0.1	123	23.3	23.3	8.2	8.2	30.3	30.3	91.7	91.8	6.6		4.1		3		90				<0.2		0.6	
						4.0	0.1	122	23.3		8.2		30.3		91.9		6.6		4.1		3		90				<0.2		0.8	
					Bottom	7.0	0.0	116	23.1	23.1	8.2	8.2	30.3	30.3	87.5	87.5	6.3	6.3	6.4		3		95				<0.2		0.9	
						7.0	0.0	117	23.1		8.2		30.3		87.5		6.3		6.5		2		95				<0.2		0.9	
IM5	Fine	Moderate	16:18	8.2	Surface	1.0	0.1	136	23.1	23.1	8.2	8.2	30.4	30.4	87.4	87.4	6.3	6.3	4.3	5.5	2	4	46	75	820575	804918	<0.2	<0.2	0.7	0.8
						1.0	0.1	142	23.1		8.2		30.4		87.4		6.3		4.3		3		46				<0.2		0.6	
					Middle	4.1	0.1	119	23.1	23.1	8.2	8.2	30.4	30.4	87.4	87.5	6.3		5.7		4		88				<0.2		0.8	
						4.1	0.1	115	23.1		8.2		30.4		87.5		6.3		5.8		5		88				<0.2		0.7	
					Bottom	7.2	0.1	128	23.1	23.1	8.2	8.2	30.4	30.4	87.6	87.7	6.3	6.3	6.3		5		90				<0.2		1.0	
						7.2	0.1	120	23.1		8.2		30.4		87.7		6.3		6.3		5		90				<0.2		1.0	
IM6	Fine	Moderate	16:11	7.6	Surface	1.0	0.1	96	23.1	23.1	8.2	8.2	30.3	30.3	89.3	89.5	6.4	6.5	2.0	3.2	4	4	46	75	821066	805842	<0.2	<0.2	0.7	0.9
						1.0	0.2	92	23.1		8.2		30.3		89.6		6.4		2.0		4		45				<0.2		0.7	
					Middle	3.8	0.1	110	23.1	23.1	8.2	8.2	30.3	30.3	90.5	90.6	6.5		3.2		4		88				<0.2		0.9	
						3.8	0.1	107	23.1		8.2		30.3		90.6		6.5		3.2		4		88				<0.2		1.0	
					Bottom	6.6	0.1	108	23.1	23.1	8.2	8.2	30.3	30.3	91.6	91.8	6.6	6.6	4.3		4		91				<0.2		0.9	
						6.6	0.1	101	23.1		8.2		30.3		91.9		6.6		4.3		5		91				<0.2		0.9	
IM7	Fine	Moderate	16:05	7.6	Surface	1.0	0.2	54	22.9	22.9	8.2	8.2	29.7	29.7	88.3	88.3	6.4	6.4	3.8	4.8	4	3	47	75	821342	806834	<0.2	<0.2	0.7	0.7
						1.0	0.2	61	22.9		8.2		29.7		88.2		6.4		3.7		3		47				<0.2		0.7	
					Middle	3.8	0.1	48	22.9	22.9	8.2	8.2	29.6	29.6	88.2	88.2	6.4		5.2		4		88				<0.2		0.7	
						3.8	0.1	51	22.9		8.2		29.6		88.2		6.4		5.2		3		88				<0.2		0.8	
					Bottom	6.6	0.1	86	22.9	22.9	8.2	8.2	30.3	30.3	90.0	90.1	6.5	6.5	5.4		3		90				<0.2		0.7	
						6.6	0.1	86	22.9		8.2		30.3		90.1		6.5		5.3		2		90				<0.2		0.7	
IM8	Cloudy	Moderate	15:05	7.0	Surface	1.0	0.2	28	23.9	23.9	7.9	7.9	27.8	27.9	94.5	94.5	6.8	6.8	0.4	0.6	2	3	78	82	821686	807815	<0.2	<0.2	1.0	0.9
						1.0	0.2	20	23.9		7.9		27.9		94.4		6.8		0.4		2		78				<0.2		1.0	
					Middle	3.5	0.1	23	23.8	23.8	7.9	7.9	28.5	28.5	93.2	93.2	6.7		0.6		3		82				<0.2		0.8	
						3.5	0.2	21	23.8		7.9		28.5		93.1		6.7		0.6		<2		83				<0.2		0.9	
					Bottom	6.0	0.1	42	23.8	23.8	7.9	7.9	28.8	28.8	92.3	92.3	6.6	6.6	0.8		3		85				<0.2		0.9	
						6.0	0.1	42	23.8		7.9		28.8		92.3		6.6		0.8		3		86				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 23 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:13	6.8	Surface	1.0	0.1	30	23.7	23.7	8.0	8.0	29.2	29.2	92.6	92.6	6.6	6.6	2.6	2.7	3	4	79	81	822089	808793	<0.2	<0.2	0.8	0.8
						1.0	0.1	28	23.7		8.0		29.2		92.5		6.6		2.6		2		80				<0.2		0.9	
					Middle	3.4	0.1	25	23.6	23.6	8.0	8.0	29.2	29.2	91.9	91.9	6.6		2.7		4		82				<0.2		0.7	
						3.4	0.1	18	23.6		8.0		29.2		91.9		6.6		2.8		3		83				<0.2		0.8	
					Bottom	5.8	0.1	51	23.6	23.6	7.9	7.9	29.2	29.2	91.6	91.6	6.6	6.6	2.7		6		78				<0.2		0.8	
						5.8	0.2	45	23.6		7.9		29.2		91.6		6.6		2.7		5		83				<0.2		0.8	
IM10	Cloudy	Moderate	15:24	7.5	Surface	1.0	0.1	12	23.8	23.8	8.0	8.0	29.3	29.3	92.5	92.5	6.6	6.6	1.6	2.7	3	4	81	84	822218	809855	<0.2	<0.2	0.7	0.8
						1.0	0.1	19	23.8		8.0		29.3		92.4		6.6		1.7		3		79				<0.2		0.8	
					Middle	3.8	0.0	6	23.7	23.7	7.9	7.9	29.4	29.4	91.5	91.5	6.6		3.1		4		82				<0.2		0.8	
						3.8	-	0	23.7		7.9		29.4		91.5		6.6		3.2		3		84				<0.2		0.7	
					Bottom	6.5	0.0	17	23.6	23.7	7.9	7.9	29.4	29.4	91.2	91.2	6.5	6.5	3.3		4		88				<0.2		0.8	
						6.5	0.1	20	23.7		7.9		29.4		91.2		6.5		3.3		5		87				<0.2		0.7	
IM11	Cloudy	Moderate	15:45	8.2	Surface	1.0	0.0	72	22.7	22.7	8.1	8.1	30.4	30.4	81.2	81.3	5.9	6.0	1.0	2.1	6	5	79	83	821495	810534	<0.2	<0.2	0.5	0.5
						1.0	0.0	77	22.7		8.1		30.4		81.4		5.9		1.0		5		81				<0.2		0.5	
					Middle	4.1	0.0	81	22.6	22.6	8.1	8.1	30.4	30.4	82.0	82.1	6.0		2.1		6		82				<0.2		0.5	
						4.1	0.0	87	22.6		8.1		30.4		82.2		6.0		2.1		5		82				<0.2		0.4	
					Bottom	7.2	0.0	46	22.6	22.6	8.1	8.1	30.4	30.4	88.0	88.3	6.4	6.5	3.2		5		87				<0.2		0.5	
						7.2	0.0	52	22.6		8.1		30.4		88.6		6.5		3.2		5		87				<0.2		0.4	
IM12	Cloudy	Moderate	15:50	10.0	Surface	1.0	0.1	52	22.7	22.7	8.1	8.1	30.4	30.4	81.2	81.3	5.9	6.0	1.1	2.3	4	4	79	83	821185	811524	<0.2	<0.2	0.5	0.5
						1.0	0.0	52	22.7		8.1		30.4		81.4		5.9		1.1		5		79				<0.2		0.5	
					Middle	5.0	0.0	68	22.6	22.6	8.1	8.1	30.4	30.4	82.1	82.1	6.0		2.7		3		82				<0.2		0.5	
						5.0	0.0	69	22.6		8.1		30.4		82.1		6.0		2.7		4		83				<0.2		0.5	
					Bottom	9.0	0.0	40	22.6	22.6	8.1	8.1	30.3	30.3	88.1	88.3	6.4	6.5	3.0		3		88				<0.2		0.4	
						9.0	0.1	34	22.6		8.1		30.3		88.4		6.5		3.0		4		87				<0.2		0.5	
SR1A	Cloudy	Moderate	16:11	5.1	Surface	1.0	-	186	23.9	23.9	7.9	7.9	29.9	29.9	91.8	91.8	6.5	6.5	2.5	2.8	3	4	-	-	819973	812654	-	-	-	-
						1.0	-	182	23.9		7.9		29.9		91.8		6.5		2.7		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	193	23.9	23.9	7.9	7.9	30.0	30.0	91.8	91.8	6.5	6.5	2.9		5		-				-		-	
						4.1	0.1	187	23.8		7.9		30.0		91.7		6.5		2.9		4		-				-		-	
SR2	Cloudy	Moderate	16:18	4.9	Surface	1.0	0.1	104	23.6	23.6	8.0	8.0	30.0	30.0	90.2	90.2	6.4	6.4	5.1	8.3	3	4	80	81	821478	814174	<0.2	<0.2	0.4	0.5
						1.0	0.1	107	23.6		8.0		30.0		90.2		6.4		5.3		3		81				<0.2		0.5	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.1	75	23.6	23.6	7.9	7.9	30.0	30.0	89.9	89.9	6.4	6.4	10.7		5		82				<0.2		0.4	
						3.9	0.1	72	23.6		7.9		30.0		89.9		6.4		12.0		4		82				<0.2		0.5	
SR3	Cloudy	Moderate	14:57	8.2	Surface	1.0	0.1	9	23.9	23.9	7.9	7.9	27.5	27.6	94.1	94.1	6.8	6.7	0.5	0.6	3	3	-	-	822123	807583	-	-	-	-
						1.0	0.1	3	23.9		7.9		27.6		94.0		6.8		0.5		2		-				-		-	
					Middle	4.1	0.2	8	23.8	23.8	7.9	7.9	28.2	28.3	92.1	92.1	6.6		0.8		2		-				-		-	
						4.1	0.2	7	23.8		7.9		28.3		92.0		6.6		0.7		3		-				-		-	
					Bottom	7.2	0.1	359	23.7	23.7	7.9	7.9	28.4	28.4	91.7	91.7	6.6	6.6	0.5		3		-				-		-	
						7.2	0.1	355	23.7		7.9		28.4		91.7		6.6		0.5		3		-				-		-	
SR4A	Fine	Moderate	17:24	9.4	Surface	1.0	0.1	75	22.9	22.9	8.2	8.2	29.5	29.5	87.5	87.5	6.4	6.4	1.1	2.3	4	4	-	-	817201	807797	-	-	-	-
						1.0	0.0	73	22.9		8.2		29.5		87.5		6.4		1.1		3		-				-		-	
					Middle	4.7	0.0	96	22.9	22.9	8.2	8.2	29.6	29.6	87.7	87.8	6.4		2.1		4		-				-		-	
						4.7	0.0	96	22.9		8.2		29.6		87.8		6.4		2.1		5		-				-		-	
					Bottom	8.4	0.0	63	22.9	23.0	8.2	8.2	29.5	29.5	88.3	88.4	6.4	6.4	3.6		4		-				-		-	
						8.4	0.0	56	23.0		8.2		29.5		88.4		6.4		3.5		5		-				-		-	
SR5A	Fine	Moderate	17:43	4.0	Surface	1.0	0.0	126	22.9	22.9	8.2	8.2	29.3	29.4	88.2	88.2	6.4	6.4	3.2	3.7	2	4	-	-	816582	810696	-	-	-	-
						1.0	0.0	123	22.9		8.2		29.4		88.1		6.4		3.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	133	22.9	22.9	8.2	8.2	29.4	29.4	87.9	87.9	6.4	6.4	4.1		4		-				-		-	
						3.0	0.1	129	22.9		8.2		29.4		87.8		6.4		4.1		4		-				-		-	
SR6	Fine	Moderate	18:04	4.2	Surface	1.0	0.0	210	22.9	22.9	8.2	8.2	29.5	29.5	87.2	87.2	6.3	6.3	1.1	1.9	2	3	-	-	817915	814682	-	-	-	-
						1.0	0.0	212	22.9		8.2		29.5		87.1		6.3		1.1		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	241	22.9	22.9	8.2	8.2	29.7	29.7	87.0	87.1	6.3	6.3	2.7		4		-				-		-	
						3.2	0.0	245	22.9		8.2		29.7		87.1		6.3		2.7		3		-				-		-	
SR7	Cloudy	Moderate	16:32	16.5	Surface	1.0	0.1	244	24.1	24.1	7.9	7.9	31.3	31.3	82.1	82.1	5.8	5.8	5.1	5.6	5	6	-	-	823645	823757	-	-	-	-
						1.0	0.1	239	24.1		7.9		31.3		82.1		5.8		5.1		6		-				-		-	
					Middle	8.3	0.1	254	24.1	24.1	7.9	7.9	31.4	31.4	82.8	82.8	5.8		5.7		5		-				-		-	
						8.3	0.1	250	24.0		7.9		31.4		82.8		5.8		5.6		6		-				-		-	
					Bottom	15.5	0.0	245	24.0	24.0	7.9	7.9	31.4	31.4	85.0	85.2	6.0	6.0	6.0		7		-				-		-	
						15.5	0.0	241	24.0		7.9		31.4		85.3		6.0		5.9		6		-				-		-	
SR8	Cloudy	Moderate	15:58	4.8	Surface	1.0	-	-	22.7	22.7	8.1	8.1	30.3	30.3	82.1	82.1	6.0	6.0	2.9	3.1	6	6	-	-	820401	811608	-	-	-	-
						1.0	-	-	22.7		8.1		30.3		82.1		6.0		3.0		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	22.6	22.6	8.1	8.1	30.3	30.3	88.2	88.7	6.4	6.5	3.2		7		-				-		-	
						3.8	-	-	22.6		8.1		30.3		89.1		6.5		3.2		6		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 November 23 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	11:08	7.8	Surface	1.0	0.3	224	23.5	23.5	8.0	8.0	31.5	31.5	91.4	91.4	6.5	6.5	4.8	5.7	5	6	80	83	815623	804241	<0.2	<0.2	0.8	0.7
						1.0	0.4	224	23.5		8.0		31.5		91.4		6.5		4.8		5		80				<0.2		0.9	
					Middle	3.9	0.3	221	23.5	23.5	8.0	8.0	31.5	31.5	91.0	91.0	6.5		4.9		6		82				<0.2		0.7	
						3.9	0.2	227	23.5		8.0		31.5		91.0		6.5		4.9		7		82				<0.2		0.6	
					Bottom	6.8	0.3	234	23.4	23.4	8.0	8.0	31.8	31.8	89.5	89.6	6.4	6.4	7.4		7		88				<0.2		0.6	
						6.8	0.3	237	23.4		8.0		31.8		89.6		6.4		7.5		8		88				<0.2		0.6	
C2	Cloudy	Moderate	12:20	12.7	Surface	1.0	0.5	166	22.9	22.9	8.2	8.2	30.0	30.0	86.6	86.6	6.3	6.3	3.1	5.5	3	4	84	88	825699	806951	<0.2	<0.2	0.7	0.7
						1.0	0.5	170	22.9		8.2		30.0		86.5		6.3		3.2		4		85				<0.2		0.7	
					Middle	6.4	0.4	171	22.7	22.7	8.2	8.2	30.2	30.2	86.9	87.0	6.3		4.4		4		88				<0.2		0.8	
						6.4	0.5	177	22.7		8.2		30.2		87.0		6.3		5.0		4		88				<0.2		0.7	
					Bottom	11.7	0.4	153	22.8	22.8	8.2	8.2	30.1	30.1	89.3	89.5	6.5	6.5	8.6		5		91				<0.2		0.7	
						11.7	0.4	156	22.8		8.2		30.1		89.6		6.5		8.5		6		89				<0.2		0.8	
C3	Cloudy	Moderate	10:20	12.0	Surface	1.0	0.2	71	23.4	23.4	8.1	8.1	31.2	31.2	78.4	78.4	5.6	5.6	1.6	4.0	4	4	85	87	822109	817810	<0.2	<0.2	0.8	0.8
						1.0	0.2	65	23.4		8.1		31.2		78.4		5.6		1.6		4		84				<0.2		0.9	
					Middle	6.0	0.2	83	23.4	23.4	8.1	8.1	31.2	31.2	77.7	77.7	5.5		5.7		4		87				<0.2		0.8	
						6.0	0.1	76	23.4		8.1		31.2		77.7		5.5		5.8		5		88				<0.2		0.8	
					Bottom	11.0	0.2	101	23.4	23.4	8.1	8.1	31.2	31.2	76.8	76.6	5.5	5.5	4.2		5		89				<0.2		0.8	
						11.0	0.2	105	23.4		8.1		31.2		76.4		5.4		4.8		4		90				<0.2		0.8	
IM1	Sunny	Moderate	11:27	6.7	Surface	1.0	0.3	190	23.6	23.6	8.0	8.0	31.7	31.7	90.7	90.7	6.4	6.4	6.0	8.3	7	7	82	87	818330	806459	<0.2	<0.2	0.6	0.6
						1.0	0.3	192	23.6		8.0		31.7		90.7		6.4		6.1		6		82				<0.2		0.6	
					Middle	3.4	0.2	181	23.4	23.4	8.0	8.0	31.7	31.7	89.4	89.4	6.3		9.0		7		86				<0.2		0.6	
						3.4	0.2	179	23.4		8.0		31.7		89.4		6.3		9.0		6		87				<0.2		0.5	
					Bottom	5.7	0.3	201	23.4	23.4	8.0	8.0	31.8	31.8	89.6	89.6	6.4	6.4	9.7		7		91				<0.2		0.6	
						5.7	0.3	205	23.4		8.0		31.8		89.6		6.4		9.7		8		91				<0.2		0.5	
IM2	Sunny	Moderate	11:37	6.9	Surface	1.0	0.2	209	23.6	23.6	8.0	8.0	31.7	31.7	90.9	90.9	6.4	6.4	5.9	6.4	9	10	82	85	818838	806192	<0.2	<0.2	0.8	0.8
						1.0	0.2	205	23.6		8.0		31.7		90.9		6.4		5.9		10		82				<0.2		0.9	
					Middle	3.5	0.3	194	23.6	23.6	8.0	8.0	31.7	31.7	90.7	90.7	6.4		5.7		10		84				<0.2		0.7	
						3.5	0.3	196	23.6		8.0		31.7		90.7		6.4		5.7		10		84				<0.2		0.8	
					Bottom	5.9	0.3	196	23.4	23.4	8.0	8.0	31.7	31.7	89.7	89.7	6.4	6.4	7.7		10		88				<0.2		0.7	
						5.9	0.2	196	23.4		8.0		31.7		89.7		6.4		7.6		10		88				<0.2		0.8	
IM3	Sunny	Moderate	11:52	7.1	Surface	1.0	0.2	195	23.4	23.4	8.0	8.0	31.1	31.1	91.1	91.1	6.5	6.5	2.9	5.1	9	7	83	87	819407	806028	<0.2	<0.2	0.8	0.8
						1.0	0.3	193	23.4		8.0		31.1		91.1		6.5		2.9		8		83				<0.2		0.8	
					Middle	3.6	0.3	182	23.4	23.4	8.0	8.0	31.3	31.3	90.9	90.9	6.5		4.8		7		87				<0.2		0.8	
						3.6	0.2	180	23.4		8.0		31.2		90.9		6.5		4.8		6		87				<0.2		0.9	
					Bottom	6.1	0.3	218	23.4	23.4	8.0	8.0	31.7	31.7	90.4	90.4	6.4	6.4	7.6		7		91				<0.2		0.7	
						6.1	0.3	217	23.4		8.0		31.7		90.4		6.4		7.6		6		91				<0.2		0.8	
IM4	Sunny	Moderate	12:05	8.3	Surface	1.0	0.3	201	23.4	23.4	8.0	8.0	30.7	30.7	91.1	91.1	6.5	6.5	1.7	4.3	7	5	82	86	819551	805048	<0.2	<0.2	0.6	0.6
						1.0	0.3	199	23.4		8.0		30.7		91.1		6.5		1.6		6		82				<0.2		0.5	
					Middle	4.2	0.3	194	23.4	23.4	8.0	8.0	31.3	31.3	90.7	90.7	6.4		4.9		5		86				<0.2		0.6	
						4.2	0.3	189	23.4		8.0		31.3		90.6		6.4		4.9		6		86				<0.2		0.6	
					Bottom	7.3	0.3	210	23.5	23.5	8.0	8.0	31.6	31.6	90.5	90.5	6.4	6.4	6.4		4		91				<0.2		0.6	
						7.3	0.3	215	23.5		8.0		31.6		90.4		6.4		6.4		4		91				<0.2		0.6	
IM5	Sunny	Moderate	12:17	7.4	Surface	1.0	0.4	201	23.3	23.3	8.0	8.0	30.6	30.6	91.2	91.2	6.5	6.5	1.9	4.2	5	5	80	86	820547	804931	<0.2	<0.2	0.7	0.6
						1.0	0.4	204	23.3		8.0		30.6		91.1		6.5		1.9		4		80				<0.2		0.7	
					Middle	3.7	0.3	180	23.4	23.4	8.0	8.0	31.3	31.3	90.6	90.6	6.5		4.8		5		87				<0.2		0.6	
						3.7	0.3	175	23.4		8.0		31.2		90.6		6.5		4.9		5		87				<0.2		0.6	
					Bottom	6.4	0.3	171	23.4	23.4	8.0	8.0	31.6	31.6	90.9	91.0	6.5	6.5	5.8		5		91				<0.2		0.6	
						6.4	0.3	172	23.4		8.0		31.6		91.0		6.5		5.9		6		91				<0.2		0.6	
IM6	Sunny	Moderate	12:27	7.6	Surface	1.0	0.3	197	23.4	23.4	8.0	8.0	31.4	31.4	90.6	90.6	6.4	6.4	7.0	7.7	6	7	83	86	821063	805839	<0.2	<0.2	0.5	0.5
						1.0	0.3	195	23.4		8.0		31.4		90.6		6.4		7.0		7		83				<0.2		0.5	
					Middle	3.8	0.3	190	23.4	23.4	8.0	8.0	31.4	31.4	90.5	90.5	6.4		9.2		7		86				<0.2		0.6	
						3.8	0.3	185	23.4		8.0		31.4		90.5		6.4		9.3		7		86				<0.2		0.5	
					Bottom	6.6	0.2	200	23.4	23.4	8.0	8.0	31.5	31.5	90.6	90.7	6.4	6.5	6.8		9		90				<0.2		0.5	
						6.6	0.3	202	23.4		8.0		31.5		90.7		6.5		6.9		8		90				<0.2		0.5	
IM7	Sunny	Moderate	12:42	7.8	Surface	1.0	0.2	204	23.5	23.5	8.0	8.0	30.2	30.3	91.8	91.8	6.6	6.6	1.7	5.2	4	4	82	84	821337	806832	<0.2	<0.2	0.5	0.5
						1.0	0.2	211	23.5		8.0		30.3		91.8		6.6		1.7		4		82				<0.2		0.5	
					Middle	3.9	0.3	211	23.4	23.4	8.0	8.0	30.8	30.8	91.3	91.3	6.5		3.6		4		82				<0.2		0.5	
						3.9	0.3	211	23.4		8.0		30.8		91.3		6.5		3.7		5		83				<0.2		0.5	
					Bottom	6.8	0.2	199	23.3	23.3	8.0	8.0	31.1	31.1	90.5	90.5	6.5	6.5	10.1		4		88				<0.2		0.4	
						6.8	0.2	203	23.3		8.0		31.1		90.5		6.5		10.1		3		88				<0.2		0.5	
IM8	Cloudy	Moderate	11:45	7.7	Surface	1.0	0.2	171	22.9	22.9	8.2	8.2	29.8	29.9	88.0	88.0	6.4	6.4	0.9	1.8	4	4	85	87	821679	807846	<0.2	<0.2	0.9	0.8
						1.0	0.2	168	22.8		8.2		29.9		87.9		6.4		1.0		4		84				<0.2		0.7	
					Middle	3.9	0.2	174	22.7	22.7	8.2	8.2	30.4	30.4	87.6	87.6	6.3		2.0		4		87				<0.2		0.8	
						3.9	0.3	169	22.7		8.2		30.4		87.6		6.3		2.1		3		88				<0.2		0.9	
					Bottom	6.7	0.3	183	22.7	22.7	8.2	8.2	30.6	30.6	87.8	87.9	6.4	6.4	2.5		3		89				<0.2		0.8	
						6.7	0.3	187	22.7		8.2		30.6		87.9		6.4		2.5		4		88				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	11:41	6.8	Surface	1.0	0.3	147	22.8	22.8	8.2	8.2	29.8	29.8	88.3	88.3	6.4	6.4	0.7	1.3	5	4	85	87	822084	808821	<0.2	<0.2	0.6	0.7
						1.0	0.2	141	22.8		8.2		29.8		88.3		6.4		0.7		6		85				<0.2		0.7	
					Middle	3.4	0.3	161	22.8	22.8	8.2	8.2	29.9	29.9	88.2	88.2	6.4		1.2		2		86				<0.2		0.7	
						3.4	0.3	164	22.8		8.2		29.9		88.2		6.4		1.3		4		86				<0.2		0.8	
					Bottom	5.8	0.3	129	22.7	22.7	8.2	8.2	30.0	30.0	88.2	88.2	6.4	6.4	1.8		4		89				<0.2		0.7	
						5.8	0.3	134	22.7		8.2		30.0		88.2		6.4		2.0		3		90				<0.2		0.8	
IM10	Cloudy	Moderate	11:34	6.8	Surface	1.0	0.3	110	22.9	22.9	8.2	8.2	29.7	29.7	88.2	88.2	6.4	6.4	0.5	1.4	4	4	85	87	822255	809834	<0.2	<0.2	0.7	0.8
						1.0	0.3	106	22.9		8.2		29.7		88.2		6.4		0.5		4		84				<0.2		0.7	
					Middle	3.4	0.4	118	22.8	22.8	8.2	8.2	29.9	29.9	87.5	87.5	6.4		1.2		4		86				<0.2		0.8	
						3.4	0.4	124	22.7		8.2		29.9		87.5		6.3		1.3		4		88				<0.2		0.7	
					Bottom	5.8	0.3	96	22.7	22.7	8.2	8.2	30.0	30.0	87.2	87.2	6.3	6.3	2.4		4		89				<0.2		0.8	
						5.8	0.3	102	22.7		8.2		30.0		87.2		6.3		2.5		4		88				<0.2		0.8	
IM11	Cloudy	Moderate	11:29	7.6	Surface	1.0	0.3	112	22.8	22.8	8.2	8.2	29.7	29.7	88.6	88.6	6.4	6.4	0.6	1.4	6	5	85	87	821484	810556	<0.2	<0.2	0.8	0.8
						1.0	0.4	105	22.8		8.2		29.7		88.6		6.4		0.6		5		84				<0.2		0.8	
					Middle	3.8	0.4	83	22.8	22.8	8.2	8.2	29.9	29.9	88.6	88.6	6.4		1.5		5		88				<0.2		0.8	
						3.8	0.4	78	22.7		8.2		29.9		88.6		6.4		1.5		4		86				<0.2		0.9	
					Bottom	6.6	0.4	87	22.7	22.7	8.2	8.2	30.0	30.0	89.4	89.5	6.5	6.5	2.2		5		89				<0.2		0.7	
						6.6	0.3	84	22.7		8.2		30.0		89.6		6.5		2.2		4		90				<0.2		0.7	
IM12	Cloudy	Moderate	11:07	8.2	Surface	1.0	0.4	112	22.7	22.7	8.2	8.2	29.9	29.9	87.7	87.7	6.4	6.4	1.1	1.2	4	4	84	87	821177	811528	<0.2	<0.2	0.8	0.8
						1.0	0.4	115	22.7		8.2		29.9		87.7		6.4		1.2		3		85				<0.2		0.8	
					Middle	4.1	0.4	99	22.7	22.7	8.2	8.2	30.0	30.0	87.9	88.0	6.4		1.3		3		86				<0.2		0.8	
						4.1	0.4	93	22.7		8.2		30.0		88.0		6.4		1.3		4		87				<0.2		0.7	
					Bottom	7.2	0.3	100	22.7	22.7	8.2	8.2	30.0	30.0	89.5	89.7	6.5	6.5	1.2		4		89				<0.2		0.8	
						7.2	0.3	94	22.7		8.2		30.0		89.8		6.5		1.2		5		90				<0.2		0.8	
SR1A	Cloudy	Moderate	10:41	4.9	Surface	1.0	0.0	90	22.8	22.8	8.2	8.2	29.9	29.9	86.4	86.5	6.3	6.3	0.7	0.8	4	5	-	-	819983	812663	-	-	-	-
						1.0	0.0	93	22.8		8.2		29.9		86.5		6.3		0.7		3		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	111	22.7	22.7	8.2	8.2	29.9	29.9	88.1	88.3	6.4	6.4	0.9		5		-				-		-	
						3.9	0.0	107	22.7		8.2		29.9		88.4		6.4		0.9		6		-				-		-	
SR2	Cloudy	Moderate	10:26	4.7	Surface	1.0	0.2	36	23.0	23.0	8.1	8.1	30.4	30.4	83.8	83.8	6.0	6.0	0.9	1.1	4	4	85	87	821457	814177	<0.2	<0.2	0.7	0.7
						1.0	0.3	34	23.0		8.1		30.4		83.7		6.0		0.9		5		84				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.2	53	23.0	23.0	8.1	8.2	30.6	30.6	83.5	83.5	6.0	6.0	1.3		3		89				<0.2		0.7	
						3.7	0.2	45	23.0		8.2		30.6		83.5		6.0		1.3		4		90				<0.2		0.7	
SR3	Cloudy	Moderate	11:50	8.3	Surface	1.0	0.4	156	23.0	23.0	8.2	8.2	29.7	29.7	88.1	88.1	6.4	6.4	1.2	2.2	5	4	-	-	822142	807580	-	-	-	-
						1.0	0.3	149	22.9		8.2		29.7		88.0		6.4		1.3		4		-				-		-	
					Middle	4.2	0.3	155	22.7	22.7	8.2	8.2	30.2	30.2	87.8	87.8	6.4		2.4		4		-				-		-	
						4.2	0.3	153	22.7		8.2		30.2		87.8		6.4		2.5		4		-				-		-	
					Bottom	7.3	0.3	176	22.7	22.7	8.2	8.2	30.3	30.3	89.2	89.3	6.5	6.5	2.9		4		-				-		-	
						7.3	0.3	179	22.7		8.2		30.3		89.4		6.5		2.9		3		-				-		-	
SR4A	Sunny	Moderate	10:44	9.7	Surface	1.0	0.0	81	23.2	23.2	8.0	8.0	31.2	31.2	90.4	90.4	6.5	6.5	3.1	3.8	5	5	-	-	817184	807811	-	-	-	-
						1.0	0.0	87	23.2		8.0		31.2		90.4		6.5		3.1		5		-				-		-	
					Middle	4.9	0.0	83	23.2	23.2	8.0	8.0	31.2	31.2	90.3	90.3	6.5		3.7		6		-				-		-	
						4.9	0.0	76	23.2		8.0		31.2		90.3		6.5		3.7		5		-				-		-	
					Bottom	8.7	0.0	107	23.2	23.2	8.0	8.0	31.2	31.2	91.1	91.1	6.5	6.5	4.6		6		-				-		-	
						8.7	0.0	112	23.2		8.0		31.2		91.1		6.5		4.6		5		-				-		-	
SR5A	Sunny	Calm	10:19	4.4	Surface	1.0	0.1	124	23.2	23.2	8.0	8.0	30.5	30.5	91.2	91.3	6.5	6.5	4.9	4.2	4	4	-	-	816580	810712	-	-	-	-
						1.0	0.1	124	23.2		8.0		30.5		91.3		6.5		4.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	87	23.1	23.1	8.0	8.0	30.8	30.8	94.5	94.7	6.8	6.8	3.4		4		-				-		-	
						3.4	0.2	86	23.1		8.0		30.8		94.8		6.8		3.4		5		-				-		-	
SR6	Sunny	Calm	10:02	4.7	Surface	1.0	0.0	58	23.1	23.1	8.0	8.0	30.2	30.2	87.7	87.7	6.3	6.3	1.5	1.5	6	6	-	-	817889	814681	-	-	-	-
						1.0	0.1	56	23.1		8.0		30.2		87.6		6.3		1.6		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.1	69	23.2	23.2	8.0	8.0	30.2	30.2	87.5	87.5	6.3	6.3	1.4		6		-				-		-	
						3.7	0.1	67	23.2		8.0		30.2		87.4		6.3		1.3		6		-				-		-	
SR7	Cloudy	Moderate	09:41	16.5	Surface	1.0	0.1	98	23.4	23.4	8.1	8.1	31.2	31.3	77.5	77.5	5.5	5.5	1.6	3.8	2	3	-	-	823616	823737	-	-	-	-
						1.0	0.1	100	23.4		8.1		31.3		77.5		5.5		1.7		3		-				-		-	
					Middle	8.3	0.1	94	23.4	23.4	8.1	8.1	31.3	31.3	77.5	77.5	5.5		2.1		2		-				-		-	
						8.3	0.1	89	23.4		8.1		31.3		77.5		5.5		2.1		3		-				-		-	
					Bottom	15.5	0.1	91	23.4	23.4	8.1	8.1	31.4	31.4	75.8	75.8	5.4	5.4	7.2		4		-				-		-	
						15.5	0.1	89	23.4		8.1		31.4		75.8		5.4		8.0		3		-				-		-	
SR8	Cloudy	Moderate	11:02	5.8	Surface	1.0	-	-	22.8	22.8	8.2	8.2	30.0	30.0	87.1	87.1	6.3	6.3	1.4	1.6	5	4	-	-	820373	811605	-	-	-	-
						1.0	-	-	22.8		8.2		30.0		87.1		6.3		1.5		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	22.8	22.8	8.2	8.2	30.1	30.1	88.1	88.2	6.4	6.4	1.7		3		-				-		-	
						4.8	-	-	22.8		8.2		30.1		88.3		6.4		1.7		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 25 November 23 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	17:11	7.1	Surface	1.0	0.4	17	23.6	23.6	8.0	8.0	31.0	31.0	91.9	91.9	6.5	6.5	1.4	4.3	4	4	84	87	815643	804264	<0.2	<0.2	0.4	0.4
						1.0	0.4	18	23.6		8.0		31.0		91.9		6.5		1.5		3		84				<0.2		0.4	
					Middle	3.6	0.3	43	23.5	23.5	8.0	8.0	31.4	31.4	90.5	90.5	6.4		4.6		4		87				<0.2		0.4	
						3.6	0.3	45	23.5		8.0		31.4		90.5		6.4		4.6		4		87				<0.2		0.4	
					Bottom	6.1	0.3	43	23.5	23.5	8.0	8.0	31.7	31.7	89.3	89.3	6.3	6.3	6.9		5		90				<0.2		0.4	
						6.1	0.3	48	23.5		8.0		31.7		89.3		6.3		6.9		5		90				<0.2		0.4	
C2	Cloudy	Moderate	15:33	11.4	Surface	1.0	0.1	175	22.7	22.8	8.2	8.2	30.2	30.2	87.8	87.1	6.4	6.3	2.0	6.2	5	4	78	80	825658	806929	<0.2	<0.2	0.8	0.7
						1.0	0.2	169	22.8		8.2		30.1		86.4		6.3		2.1		4		78				<0.2		0.7	
					Middle	5.7	0.1	200	22.8	22.8	8.2	8.2	30.2	30.2	86.0	86.0	6.2		6.1		3		80				<0.2		0.7	
						5.7	0.1	199	22.8		8.2		30.2		86.0		6.2		6.4		3		81				<0.2		0.7	
					Bottom	10.4	0.1	183	22.9	22.9	8.2	8.2	30.1	30.1	86.2	86.3	6.2	6.2	10.5		3		82				<0.2		0.8	
						10.4	0.1	189	22.9		8.2		30.0		86.3		6.2		10.2		3		83				<0.2		0.7	
C3	Cloudy	Moderate	17:37	10.2	Surface	1.0	0.4	267	23.1	23.1	8.2	8.2	30.4	30.4	85.8	85.7	6.2	6.1	0.6	3.2	3	3	78	81	822097	817790	<0.2	<0.2	0.8	0.8
						1.0	0.4	264	23.1		8.2		30.4		85.6		6.2		0.7		3		78				<0.2		0.8	
					Middle	5.1	0.5	255	23.1	23.1	8.1	8.1	30.8	30.8	83.3	83.3	6.0		2.3		3		81				<0.2		0.7	
						5.1	0.5	252	23.1		8.1		30.8		83.3		6.0		2.5		3		81				<0.2		0.7	
					Bottom	9.2	0.5	249	23.1	23.1	8.1	8.1	30.7	30.7	84.4	84.5	6.1	6.1	6.5		3		84				<0.2		0.9	
						9.2	0.5	242	23.1		8.1		30.7		84.5		6.1		6.5		3		82				<0.2		0.8	
IM1	Sunny	Moderate	16:49	6.2	Surface	1.0	0.2	8	23.7	23.7	8.0	8.0	30.7	30.7	91.3	91.3	6.5	6.5	2.8	4.8	5	4	85	88	818358	806451	<0.2	<0.2	0.5	0.5
						1.0	0.1	7	23.7		8.0		30.7		91.3		6.5		2.9		4		85				<0.2		0.5	
					Middle	3.1	0.1	23	23.5	23.5	8.0	8.0	30.9	30.9	90.6	90.6	6.5		5.1		4		87				<0.2		0.5	
						3.1	0.1	16	23.5		8.0		30.9		90.6		6.5		5.1		4		87				<0.2		0.5	
					Bottom	5.2	0.2	1	23.4	23.4	8.0	8.0	31.7	31.7	90.5	90.5	6.4	6.4	6.4		4		91				<0.2		0.5	
						5.2	0.2	2	23.4		8.0		31.7		90.5		6.4		6.5		3		91				<0.2		0.4	
IM2	Sunny	Moderate	16:39	6.5	Surface	1.0	0.1	322	23.5	23.5	8.0	8.0	31.0	31.0	90.5	90.5	6.4	6.4	3.3	6.1	5	5	83	86	818849	806171	<0.2	<0.2	0.5	0.5
						1.0	0.1	323	23.5		8.0		31.0		90.5		6.4		3.3		4		83				<0.2		0.5	
					Middle	3.3	0.2	294	23.4	23.4	8.0	8.0	31.5	31.5	90.2	90.2	6.4		5.4		4		86				<0.2		0.5	
						3.3	0.2	299	23.4		8.0		31.5		90.2		6.4		5.4		5		86				<0.2		0.5	
					Bottom	5.5	0.1	328	23.4	23.4	8.0	8.0	31.7	31.7	89.8	89.8	6.4	6.4	9.5		5		90				<0.2		0.4	
						5.5	0.1	329	23.4		8.0		31.7		89.8		6.4		9.5		4		90				<0.2		0.5	
IM3	Sunny	Moderate	16:30	6.9	Surface	1.0	0.1	329	23.4	23.4	8.0	8.0	31.0	31.0	90.1	90.1	6.4	6.4	5.3	6.8	4	4	82	87	819424	806017	<0.2	<0.2	0.5	0.5
						1.0	0.1	322	23.4		8.0		31.0		90.1		6.4		5.3		2		82				<0.2		0.4	
					Middle	3.5	0.1	349	23.4	23.4	8.0	8.0	31.3	31.3	89.6	89.6	6.4		8.4		4		86				<0.2		0.4	
						3.5	0.2	354	23.4		8.0		31.3		89.6		6.4		8.3		3		87				<0.2		0.5	
					Bottom	5.9	0.1	350	23.4	23.4	8.0	8.0	31.6	31.6	89.4	89.5	6.4	6.4	6.6		4		91				<0.2		0.5	
						5.9	0.0	350	23.4		8.0		31.6		89.5		6.4		6.6		4		92				<0.2		0.6	
IM4	Sunny	Moderate	16:21	7.9	Surface	1.0	0.1	309	23.4	23.4	8.0	8.0	30.6	30.6	90.6	90.6	6.5	6.5	3.4	6.0	3	3	83	87	819584	805026	<0.2	<0.2	0.5	0.5
						1.0	0.1	314	23.4		8.0		30.6		90.6		6.5		3.4		3		83				<0.2		0.4	
					Middle	4.0	0.1	340	23.4	23.4	8.0	8.0	31.1	31.1	90.2	90.2	6.4		6.7		4		88				<0.2		0.4	
						4.0	0.1	346	23.4		8.0		31.1		90.2		6.4		6.7		3		88				<0.2		0.5	
					Bottom	6.9	0.1	304	23.4	23.4	8.0	8.0	31.5	31.5	89.8	89.9	6.4	6.4	8.0		4		91				<0.2		0.5	
						6.9	0.1	307	23.4		8.0		31.5		89.9		6.4		8.0		3		91				<0.2		0.5	
IM5	Sunny	Rough	16:09	6.8	Surface	1.0	0.2	334	23.5	23.6	8.0	8.0	30.5	30.5	92.6	92.6	6.6	6.6	2.1	6.8	5	4	84	87	820578	804916	<0.2	<0.2	0.5	0.5
						1.0	0.2	330	23.6		8.0		30.4		92.6		6.6		2.0		5		84				<0.2		0.5	
					Middle	3.4	0.2	337	23.4	23.4	8.0	8.0	31.3	31.3	90.9	90.9	6.5		9.9		4		87				<0.2		0.5	
						3.4	0.2	337	23.4		8.0		31.3		90.9		6.5		10.0		3		87				<0.2		0.5	
					Bottom	5.8	0.2	317	23.4	23.4	8.0	8.0	31.4	31.4	89.1	89.1	6.4	6.4	8.3		3		90				<0.2		0.5	
						5.8	0.2	309	23.4		8.0		31.4		89.1		6.4		8.4		2		90				<0.2		0.6	
IM6	Sunny	Rough	15:53	7.1	Surface	1.0	0.2	302	23.4	23.4	8.0	8.0	31.3	31.3	90.9	90.9	6.5	6.5	7.3	8.0	9	8	83	87	821076	805825	<0.2	<0.2	0.5	0.5
						1.0	0.2	308	23.4		8.0		31.3		90.9		6.5		7.3		10		83				<0.2		0.4	
					Middle	3.6	0.2	277	23.4	23.4	8.0	8.0	31.3	31.3	90.8	90.8	6.5		6.9		9		87				<0.2		0.5	
						3.6	0.2	273	23.4		8.0		31.3		90.8		6.5		6.9		8		87				<0.2		0.5	
					Bottom	6.1	0.1	269	23.4	23.4	8.0	8.0	31.4	31.4	90.8	90.8	6.5	6.5	9.8		6		90				<0.2		0.5	
						6.1	0.1	264	23.4		8.0		31.4		90.8		6.5		9.8		6		90				<0.2		0.5	
IM7	Sunny	Rough	15:38	7.5	Surface	1.0	0.2	255	23.5	23.5	8.0	8.0	30.2	30.2	95.4	95.4	6.8	6.7	1.3	3.0	3	3	82	87	821338	806824	<0.2	<0.2	0.5	0.5
						1.0	0.2	256	23.5		8.0		30.2		95.4		6.8		1.4		4		83				<0.2		0.5	
					Middle	3.8	0.2	237	23.5	23.5	8.0	8.0	30.3	30.4	91.4	91.4	6.5		2.6		3		86				<0.2		0.5	
						3.8	0.1	229	23.5		8.0		30.4		91.3		6.5		2.7		3		86				<0.2		0.5	
					Bottom	6.5	0.1	260	23.4	23.4	8.0	8.0	31.0	31.0	90.9	90.9	6.5	6.5	5.0		3		91				<0.2		0.5	
						6.5	0.2	252	23.3		8.0		31.0		90.9		6.5		5.1		2		91				<0.2		0.5	
IM8	Cloudy	Moderate	16:10	7.9	Surface	1.0	0.2	266	22.8	22.8	8.2	8.2	29.9	29.9	88.3	88.3	6.4	6.4	13.8	6.2	2	2	78	82	821695	807855	<0.2	<0.2	0.7	0.8
						1.0	0.1	272	22.8		8.2		29.8		88.3		6.4		13.9		2		78				<0.2		0.8	
					Middle	4.0	0.2	247	22.7	22.7	8.2	8.2	30.4	30.5	88.1	88.1	6.4		2.3		2		82				<0.2		0.8	
						4.0	0.2	239	22.7		8.2		30.5		88.1		6.4		2.4		2		83				<0.2		0.7	
					Bottom	6.9	0.1	231	22.7	22.7	8.2	8.2	30.5	30.5	88.7	88.8	6.4	6.4	2.4		2		85				<0.2		0.7	
						6.9	0.1	228	22.7		8.2		30.5		88.8		6.4		2.4		2		86				<0.2		0.8	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 25 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	16:14	7.2	Surface	1.0	0.1	258	22.8	22.8	8.2	8.2	30.1	30.1	88.9	88.9	6.4	6.5	1.6	1.8	2	2	79	81	822100	808805	<0.2	<0.2	0.8	0.7
						1.0	0.2	260	22.8		8.2		30.1		88.9		6.4		1.6		2		80				<0.2		0.7	
					Middle	3.6	0.2	245	22.7	22.7	8.2	8.2	30.2	30.2	89.4	89.5	6.5		1.8		2		82				<0.2		0.7	
						3.6	0.2	238	22.7		8.2		30.2		89.6		6.5		1.9		2		83				<0.2		0.7	
					Bottom	6.2	0.2	243	22.7	22.7	8.2	8.2	30.3	30.3	91.5	91.6	6.6	6.6	1.9		2		78				<0.2		0.7	
						6.2	0.3	235	22.7		8.2		30.3		91.6		6.6		1.9		2		83				<0.2		0.6	
IM10	Cloudy	Moderate	16:20	6.4	Surface	1.0	0.3	250	23.0	23.0	8.2	8.2	29.6	29.7	89.6	89.6	6.5	6.5	1.3	2.6	4	3	81	84	822262	809838	<0.2	<0.2	0.7	0.7
						1.0	0.2	242	23.0		8.2		29.7		89.5		6.5		1.3		3		79				<0.2		0.7	
					Middle	3.2	0.3	268	22.7	22.7	8.2	8.2	30.3	30.3	89.1	89.2	6.5		3.1		3		82				<0.2		0.6	
						3.2	0.2	272	22.7		8.2		30.3		89.3		6.5		3.3		4		84				<0.2		0.7	
					Bottom	5.4	0.2	281	22.7	22.7	8.2	8.2	30.4	30.4	90.7	90.8	6.6	6.6	3.4		2		88				<0.2		0.7	
						5.4	0.2	280	22.7		8.2		30.4		90.9		6.6		3.3		3		87				<0.2		0.6	
IM11	Cloudy	Moderate	16:26	8.1	Surface	1.0	0.4	266	22.9	22.9	8.2	8.2	29.7	29.7	88.6	88.6	6.4	6.5	1.6	2.5	2	2	79	83	821488	810534	<0.2	<0.2	0.7	0.7
						1.0	0.4	264	22.9		8.2		29.7		88.6		6.4		1.7		2		81				<0.2		0.7	
					Middle	4.1	0.3	275	22.8	22.8	8.2	8.2	30.0	30.0	89.1	89.2	6.5		2.6		2		82				<0.2		0.7	
						4.1	0.3	272	22.8		8.2		30.0		89.2		6.5		2.7		2		82				<0.2		0.7	
					Bottom	7.1	0.4	281	22.8	22.8	8.2	8.2	30.1	30.1	91.0	91.1	6.6	6.6	3.2		3		87				<0.2		0.7	
						7.1	0.3	285	22.7		8.2		30.1		91.1		6.6		3.2		2		87				<0.2		0.7	
IM12	Cloudy	Moderate	16:32	7.6	Surface	1.0	0.3	276	22.9	22.9	8.2	8.2	30.0	30.0	88.3	88.3	6.4	6.4	1.0	1.4	2	2	79	83	821138	811526	<0.2	<0.2	0.7	0.7
						1.0	0.3	280	22.9		8.2		30.0		88.3		6.4		1.0		2		79				<0.2		0.7	
					Middle	3.8	0.3	268	22.8	22.8	8.2	8.2	30.0	30.0	88.2	88.3	6.4		1.5		2		82				<0.2		0.7	
						3.8	0.3	270	22.8		8.2		30.0		88.3		6.4		1.5		3		83				<0.2		0.7	
					Bottom	6.6	0.4	269	22.7	22.7	8.2	8.2	30.0	30.0	89.1	89.2	6.5	6.5	1.7		3		88				<0.2		0.6	
						6.6	0.4	271	22.7		8.2		30.0		89.3		6.5		1.8		2		87				<0.2		0.7	
SR1A	Cloudy	Moderate	17:05	5.4	Surface	1.0	0.1	204	22.9	22.9	8.2	8.2	30.1	30.1	87.5	87.5	6.3	6.3	1.9	1.7	2	2	-	-	819974	812660	-	-	-	-
						1.0	0.1	201	22.9		8.2		30.1		87.5		6.3		1.9		2		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	190	22.9	22.9	8.2	8.2	30.1	30.1	87.4	87.4	6.3	6.3	1.6		3		-				-		-	
						4.4	0.0	194	22.9		8.2		30.1		87.4		6.3		1.4		2		-				-		-	
SR2	Cloudy	Moderate	17:18	4.9	Surface	1.0	0.1	236	23.0	23.0	8.2	8.2	29.8	29.8	89.7	89.7	6.5	6.5	0.5	1.9	2	2	80	81	821465	814156	<0.2	<0.2	0.7	0.8
						1.0	0.2	231	23.0		8.2		29.8		89.7		6.5		0.6		3		81				<0.2		0.7	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.2	215	22.8	22.8	8.2	8.2	29.9	29.9	91.8	91.9	6.7	6.7	3.4		2		82				<0.2		0.8	
						3.9	0.2	215	22.8		8.2		29.9		92.0		6.7		3.1		2		82				<0.2		0.9	
SR3	Cloudy	Moderate	16:06	8.3	Surface	1.0	0.1	217	22.9	22.9	8.2	8.2	29.4	29.4	88.5	88.5	6.4	6.4	1.3	2.4	3	3	-	-	822159	807553	-	-	-	-
						1.0	0.1	221	22.9		8.2		29.4		88.4		6.4		1.4		<2		-				-		-	
					Middle	4.2	0.1	241	22.7	22.7	8.2	8.2	30.2	30.2	87.4	87.4	6.3		2.8		2		-				-		-	
						4.2	0.0	244	22.7		8.2		30.2		87.4		6.3		2.8		2		-				-		-	
					Bottom	7.3	0.1	235	22.7	22.7	8.2	8.2	30.2	30.2	87.8	87.8	6.4	6.4	3.1		3		-				-		-	
						7.3	0.1	232	22.7		8.2		30.2		87.8		6.4		3.1		4		-				-		-	
SR4A	Sunny	Moderate	17:34	9.2	Surface	1.0	0.0	176	23.5	23.5	8.0	8.0	31.1	31.1	95.4	95.4	6.8	6.7	3.3	3.0	4	4	-	-	817212	807824	-	-	-	-
						1.0	0.0	181	23.5		8.0		31.1		95.4		6.8		3.3		4		-				-		-	
					Middle	4.6	0.0	171	23.4	23.4	8.0	8.0	31.2	31.2	90.4	90.4	6.5		3.0		3		-				-		-	
						4.6	0.0	177	23.4		8.0		31.2		90.4		6.5		3.0		4		-				-		-	
					Bottom	8.2	0.0	181	23.2	23.2	8.0	8.0	31.3	31.3	88.9	88.9	6.3	6.3	2.8		4		-				-		-	
						8.2	0.0	180	23.2		8.0		31.3		88.9		6.3		2.8		3		-				-		-	
SR5A	Sunny	Calm	17:53	3.9	Surface	1.0	0.2	300	23.3	23.3	8.0	8.0	31.0	31.1	91.5	91.5	6.5	6.5	3.8	4.4	5	5	-	-	816590	810713	-	-	-	-
						1.0	0.2	296	23.3		8.0		31.1		91.5		6.5		3.8		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.9	0.1	291	23.2	23.2	8.0	8.0	31.2	31.2	91.1	91.1	6.5	6.5	5.0		5		-				-		-	
						2.9	0.2	290	23.2		8.0		31.2		91.1		6.5		5.1		6		-				-		-	
SR6	Sunny	Calm	18:12	4.2	Surface	1.0	0.1	258	23.5	23.5	8.0	8.0	30.2	30.2	91.8	91.8	6.6	6.6	4.2	5.4	4	4	-	-	817917	814658	-	-	-	-
						1.0	0.1	253	23.5		8.0		30.2		91.8		6.6		4.5		5		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	258	23.4	23.4	8.0	8.0	30.2	30.2	90.8	90.9	6.5	6.5	6.4		3		-				-		-	
						3.2	0.0	254	23.4		8.0		30.2		90.9		6.5		6.5		4		-				-		-	
SR7	Cloudy	Moderate	18:05	16.2	Surface	1.0	1.1	235	23.2	23.2	8.2	8.2	30.7	30.8	83.3	83.3	6.0	6.0	1.4	1.7	2	2	-	-	823618	823751	-	-	-	-
						1.0	1.2	236	23.2		8.2		30.8		83.2		6.0		1.4		<2		-				-		-	
					Middle	8.1	1.1	262	23.2	23.2	8.2	8.2	30.8	30.9	83.8	83.9	6.0		1.9		<2		-				-		-	
						8.1	1.1	258	23.2		8.2		30.9		84.0		6.0		1.9		<2		-				-		-	
					Bottom	15.2	1.1	263	23.2	23.2	8.2	8.2	30.8	30.8	85.2	85.3	6.1	6.1	1.7		2		-				-		-	
						15.2	1.1	263	23.2		8.2		30.8		85.3		6.1		1.8		2		-				-		-	
SR8	Cloudy	Moderate	16:40	4.2	Surface	1.0	-	-	22.9	22.9	8.2	8.2	30.0	30.0	88.9	88.9	6.4	6.4	1.0	1.1	2	2	-	-	820412	811605	-	-	-	-
						1.0	-	-	22.9		8.2		30.0		88.9		6.4		1.0		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	22.9	22.9	8.2	8.2	30.0	30.1	89.1	89.2	6.4	6.5	1.1		2		-				-		-	
						3.2	-	-	22.9		8.2		30.1		89.2		6.5		1.1		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	13:10	8.4	Surface	1.0	0.1	191	23.7	23.7	8.2	8.2	28.7	28.7	96.8	96.8	6.9	6.8	2.7	4.1	3	3	83	86	815642	804250	<0.2	<0.2	0.7	0.8
						1.0	0.1	187	23.7		8.2		28.7		96.7		6.9		2.7		4		84				<0.2		0.6	
					Middle	4.2	0.1	202	23.6	23.6	8.2	8.2	29.3	29.4	95.6	94.0	6.9		4.3		3		86				<0.2		0.7	
						4.2	0.1	197	23.6		8.2		29.4		92.3		6.6		4.5		3		87				<0.2		0.8	
					Bottom	7.4	0.1	209	23.5	23.5	8.2	8.2	29.5	29.5	91.3	91.3	6.6	6.6	5.3		3		89				<0.2		0.8	
						7.4	0.2	209	23.5		8.2		29.5		91.3		6.6		5.3		2		88				<0.2		0.9	
C2	Misty	Moderate	11:51	11.0	Surface	1.0	0.2	338	23.4	23.4	8.0	8.0	27.9	28.0	94.9	95.1	6.9	7.0	1.7	2.6	2	3	47	74	825666	806967	<0.2	<0.2	0.7	0.7
						1.0	0.2	345	23.4		7.9		28.0		95.2		7.0		1.7		2		47				<0.2		0.6	
					Middle	5.5	0.2	341	23.4	23.4	7.9	7.9	28.0	28.0	96.1	96.3	7.0		2.9		3		82				<0.2		0.6	
						5.5	0.3	343	23.4		7.9		28.0		96.4		7.1		2.9		3		83				<0.2		0.7	
					Bottom	10.0	0.2	16	23.4	23.4	7.9	7.9	28.0	28.0	97.4	97.7	7.1	7.2	3.2		3		92				<0.2		0.7	
						10.0	0.2	23	23.4		7.9		28.0		97.9		7.2		3.1		3		91				<0.2		0.7	
C3	Misty	Moderate	13:47	11.2	Surface	1.0	0.1	66	23.9	23.9	8.0	8.0	30.2	30.2	88.6	88.7	6.3	6.4	1.5	2.4	2	3	52	75	822112	817805	<0.2	<0.2	0.7	0.7
						1.0	0.1	71	23.9		8.0		30.2		88.8		6.4		1.5		2		52				<0.2		0.6	
					Middle	5.6	0.1	76	23.9	23.9	8.0	8.0	30.2	30.2	89.6	89.8	6.4		2.6		2		85				<0.2		0.7	
						5.6	0.1	82	23.9		8.0		30.2		90.0		6.4		2.6		3		85				<0.2		0.7	
					Bottom	10.2	0.2	78	23.9	23.9	8.0	8.0	30.2	30.2	91.8	93.8	6.6	6.8	3.1		4		87				<0.2		0.7	
						10.2	0.2	83	23.9		8.0		30.2		95.8		6.9		3.1		3		87				<0.2		0.6	
IM1	Cloudy	Moderate	12:42	6.6	Surface	1.0	0.0	87	23.6	23.6	8.2	8.2	28.2	28.3	97.7	97.6	7.1	6.8	2.9	5.6	3	4	85	88	818358	806450	<0.2	<0.2	0.7	0.7
						1.0	0.0	82	23.6		8.2		28.3		97.5		7.0		2.9		4		87				<0.2		0.7	
					Middle	3.3	0.0	95	23.3	23.3	8.2	8.2	28.6	28.6	91.2	91.2	6.6		3.4		4		87				<0.2		0.8	
						3.3	0.1	99	23.3		8.2		28.6		91.1		6.6		3.4		5		87				<0.2		0.7	
					Bottom	5.6	0.0	114	23.4	23.4	8.2	8.2	28.5	28.5	91.6	91.8	6.6	6.7	10.6		5		88				<0.2		0.7	
						5.6	0.0	117	23.4		8.2		28.5		92.0		6.7		10.3		5		91				<0.2		0.7	
IM2	Cloudy	Moderate	12:39	6.8	Surface	1.0	0.1	67	23.5	23.5	8.2	8.2	28.3	28.3	95.5	95.5	6.9	6.7	3.0	4.8	<2	3	85	89	818868	806201	<0.2	<0.2	0.7	0.7
						1.0	0.1	62	23.5		8.2		28.3		95.4		6.9		3.0		<2		84				<0.2		0.6	
					Middle	3.4	0.1	67	23.3	23.3	8.2	8.2	28.5	28.5	89.2	89.1	6.5		2.8		3		88				<0.2		0.7	
						3.4	0.1	64	23.3		8.2		28.5		88.9		6.4		2.9		2		89				<0.2		0.6	
					Bottom	5.8	0.1	44	23.2	23.2	8.2	8.2	28.7	28.7	87.2	87.2	6.3	6.3	8.6		3		94				<0.2		0.7	
						5.8	0.1	45	23.2		8.2		28.7		87.2		6.3		8.5		4		93				<0.2		0.8	
IM3	Cloudy	Moderate	12:36	6.8	Surface	1.0	0.1	48	23.4	23.4	8.2	8.2	28.5	28.5	91.4	91.3	6.6	6.6	3.8	4.6	4	4	85	89	819407	806003	<0.2	<0.2	0.7	0.7
						1.0	0.1	54	23.4		8.2		28.5		91.2		6.6		4.0		5		86				<0.2		0.7	
					Middle	3.4	0.1	47	23.4	23.4	8.2	8.2	28.9	28.9	90.9	91.0	6.6		5.0		3		88				<0.2		0.7	
						3.4	0.1	50	23.4		8.2		28.9		91.0		6.6		5.0		4		87				<0.2		0.6	
					Bottom	5.8	0.1	54	23.3	23.3	8.2	8.2	28.9	28.9	91.7	91.8	6.6	6.6	4.9		4		93				<0.2		0.7	
						5.8	0.1	60	23.3		8.2		28.8		91.9		6.6		4.8		3		92				<0.2		0.7	
IM4	Cloudy	Moderate	12:29	7.0	Surface	1.0	0.0	81	23.6	23.6	8.2	8.2	28.2	28.2	97.1	97.1	7.0	7.0	3.5	5.1	5	4	86	89	819566	805021	<0.2	<0.2	0.7	0.7
						1.0	0.0	86	23.6		8.2		28.1		97.0		7.0		3.4		4		85				<0.2		0.6	
					Middle	3.5	0.0	56	23.5	23.5	8.2	8.2	28.4	28.5	96.1	96.0	6.9		4.6		4		88				<0.2		0.6	
						3.5	0.1	59	23.5		8.2		28.5		95.9		6.9		4.9		3		89				<0.2		0.7	
					Bottom	6.0	0.0	80	23.4	23.4	8.2	8.2	29.1	29.1	90.1	90.2	6.5	6.5	7.0		4		93				<0.2		0.7	
						6.0	0.0	74	23.4		8.2		29.1		90.2		6.5		7.1		2		92				<0.2		0.7	
IM5	Cloudy	Moderate	12:21	7.2	Surface	1.0	0.1	53	23.6	23.6	8.2	8.2	28.0	28.0	94.2	94.3	6.8	6.8	2.0	2.5	3	3	85	87	820586	804906	<0.2	<0.2	0.7	0.7
						1.0	0.1	58	23.6		8.2		28.0		94.3		6.8		2.0		2		85				<0.2		0.8	
					Middle	3.6	0.1	35	23.5	23.5	8.2	8.2	28.2	28.3	94.0	94.0	6.8		2.5		4		87				<0.2		0.7	
						3.6	0.1	41	23.5		8.2		28.3		93.9		6.8		2.6		3		89				<0.2		0.7	
					Bottom	6.2	0.1	49	23.5	23.5	8.2	8.2	28.4	28.4	93.8	93.8	6.8	6.8	2.8		3		84				<0.2		0.7	
						6.2	0.1	51	23.5		8.2		28.4		93.8		6.8		2.8		4		89				<0.2		0.7	
IM6	Cloudy	Moderate	12:13	7.6	Surface	1.0	0.2	51	23.6	23.6	8.2	8.2	28.1	28.1	92.2	92.2	6.7	6.6	1.7	1.6	4	4	84	88	821081	805828	<0.2	<0.2	0.6	0.6
						1.0	0.1	52	23.6		8.2		28.1		92.1		6.7		1.7		3		83				<0.2		0.7	
					Middle	3.8	0.1	64	23.3	23.3	8.2	8.2	28.5	28.5	90.4	90.5	6.5		1.6		4		88				<0.2		0.6	
						3.8	0.0	63	23.3		8.2		28.5		90.5		6.6		1.6		3		89				<0.2		0.6	
					Bottom	6.6	0.1	72	23.4	23.4	8.2	8.2	28.4	28.4	91.9	92.1	6.7	6.7	1.6		4		90				<0.2		0.6	
						6.6	0.1	67	23.4		8.2		28.4		92.2		6.7		1.6		4		91				<0.2		0.7	
IM7	Cloudy	Moderate	11:52	7.7	Surface	1.0	0.2	49	23.5	23.5	8.2	8.2	28.3	28.4	90.2	90.2	6.5	6.5	1.9	4.0	2	3	83	86	821362	806827	<0.2	<0.2	0.7	0.7
						1.0	0.2	56	23.5		8.2		28.4		90.1		6.5		1.9		3		83				<0.2		0.7	
					Middle	3.9	0.1	47	23.4	23.4	8.2	8.2	28.4	28.4	89.6	89.6	6.5		2.0		2		85				<0.2		0.7	
						3.9	0.2	42	23.4		8.2		28.4		89.6		6.5		2.0		4		87				<0.2		0.7	
					Bottom	6.7	0.1	69	23.4	23.4	8.2	8.2	28.4	28.4	89.6	89.7	6.5	6.5	8.0		4		88				<0.2		0.6	
						6.7	0.2	76	23.4		8.2		28.4		89.7		6.5		8.4		3		89				<0.2		0.6	
IM8	Misty	Moderate	12:10	7.0	Surface	1.0	0.2	43	23.4	23.4	8.0	8.0	28.0	28.0	93.3	93.5	6.8	6.9	1.0	2.1	3	4	45	70	821675	807826	<0.2	<0.2	0.7	0.6
						1.0	0.2	40	23.4		8.0		28.0		93.7		6.9		1.1		4		45				<0.2		0.6	
					Middle	3.5	0.2	45	23.3	23.3	8.0	8.0	28.2	28.2	95.2	95.4	7.0		2.1		3		81				<0.2		0.6	
						3.5	0.2	51	23.3		8.0		28.2		95.5		7.0		2.1		4		81				<0.2		0.6	
					Bottom	6.0	0.2	34	23.3	23.3	8.0	8.0	28.4	28.5	96.7	96.9	7.1	7.1	3.0		4		84				<0.2		0.6	
						6.0	0.2	34	23.3		8.0		28.5		97.1		7.1		3.1		4		85				<0.2		0.6	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	12:16	7.2	Surface	1.0	0.1	17	23.3	23.3	8.0	8.0	29.3	29.4	90.6	90.7	6.6	6.8	1.2	2.4	3	4	56	76	822098	808802	<0.2	<0.2	0.7	0.6
						1.0	0.1	18	23.3		8.0		29.4		90.7		6.6		1.3		4		56						0.6	
					Middle	3.6	0.1	15	23.3	23.3	8.0	8.0	29.5	29.6	94.8	95.0	6.9		2.8		4		82						0.6	
						3.6	0.2	15	23.3		8.0		29.6		95.1		6.9		2.8		4		83						0.7	
					Bottom	6.2	0.2	17	23.3	23.3	8.0	8.0	29.6	29.6	96.7	97.1	7.0	7.1	3.2		4		90						0.6	
						6.2	0.1	14	23.3		8.0		29.6		97.5		7.1		3.1		4		90						0.6	
IM10	Misty	Moderate	12:25	7.6	Surface	1.0	0.1	26	23.4	23.4	8.0	8.0	29.6	29.6	91.0	91.1	6.6	6.7	1.0	1.6	3	4	52	77	822250	809826	<0.2	<0.2	0.6	0.7
						1.0	0.1	22	23.4		8.0		29.6		91.2		6.6		1.1		4		52						0.6	
					Middle	3.8	0.0	14	23.4	23.4	8.0	8.0	29.6	29.6	93.8	94.2	6.8		1.4		4		89						0.8	
						3.8	0.1	8	23.4		8.0		29.6		94.5		6.9		1.5		3		89						0.7	
					Bottom	6.6	0.1	7	23.4	23.4	8.0	8.0	29.5	29.6	96.6	97.0	7.0	7.1	2.1		4		90						0.6	
						6.6	0.2	1	23.4		8.0		29.6		97.4		7.1		2.2		4		90						0.6	
IM11	Misty	Moderate	12:39	8.0	Surface	1.0	0.1	69	23.4	23.4	8.0	8.0	29.6	29.6	90.3	90.4	6.6	6.6	1.1	2.4	3	3	62	75	821524	810540	<0.2	<0.2	0.8	0.8
						1.0	0.0	63	23.4		8.0		29.6		90.5		6.6		1.2		4		63						0.7	
					Middle	4.0	0.1	65	23.3	23.3	8.0	8.0	29.6	29.6	91.1	91.2	6.6		2.7		3		78						0.9	
						4.0	0.1	61	23.3		8.0		29.6		91.3		6.6		2.6		3		78						0.8	
					Bottom	7.0	0.1	47	23.3	23.3	8.0	8.0	29.6	29.6	97.1	97.4	7.0	7.1	3.3		3		85						0.8	
						7.0	0.1	44	23.3		8.0		29.6		97.7		7.1		3.3		2		85						0.9	
IM12	Misty	Moderate	12:46	8.0	Surface	1.0	0.1	85	23.4	23.4	8.0	8.0	29.6	29.6	90.3	90.4	6.5	6.6	1.0	1.5	3	3	48	71	821182	811504	<0.2	<0.2	0.9	0.8
						1.0	0.1	88	23.4		8.0		29.6		90.5		6.6		1.1		3		48						0.9	
					Middle	4.0	0.1	97	23.3	23.3	8.0	8.0	29.6	29.6	91.2	91.2	6.6		1.2		4		79						0.6	
						4.0	0.0	92	23.3		8.0		29.6		91.2		6.6		1.2		3		79						0.6	
					Bottom	7.0	0.1	114	23.3	23.3	8.0	8.0	29.6	29.6	97.2	97.4	7.1	7.1	2.1		4		87						0.8	
						7.0	0.1	119	23.3		8.0		29.6		97.5		7.1		2.2		2		87						0.9	
SR1A	Misty	Moderate	13:16	4.2	Surface	1.0	0.0	27	23.2	23.2	8.0	8.0	29.6	29.6	90.3	92.3	6.6	6.8	1.1	1.9	3	3	-	-	819970	812659	-	-	-	-
						1.0	0.0	24	23.2		8.0		29.6		94.2		6.9		1.2		2		-						-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.0	16	23.2	23.2	8.0	8.0	29.5	29.6	95.7	96.1	7.0	7.0	2.7		4		-				-		-	
						3.2	0.0	21	23.2		8.0		29.6		96.4		7.0		2.6		3		-				-		-	
SR2	Misty	Moderate	13:27	5.0	Surface	1.0	0.1	46	23.4	23.4	8.0	8.0	29.6	29.6	94.9	95.1	6.9	6.9	2.1	2.7	3	3	72	87	821482	814145	<0.2	<0.2	0.8	0.9
						1.0	0.2	38	23.4		8.0		29.6		95.2		6.9		2.2		2		72				<0.2		0.9	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.1	24	23.4	23.4	8.0	8.0	29.6	29.6	98.0	98.5	7.1	7.2	3.2		4		102				<0.2		0.8	
						4.0	0.2	20	23.4		8.0		29.6		99.0		7.2		3.1		4		102				<0.2		0.9	
SR3	Misty	Moderate	11:54	9.2	Surface	1.0	0.2	11	23.5	23.5	8.0	8.0	27.9	27.9	90.1	90.2	6.6	6.7	1.1	2.1	4	4	-	-	822149	807551	-	-	-	-
						1.0	0.2	13	23.5		8.0		27.9		90.2		6.6		1.2		3		-				-		-	
					Middle	4.6	0.2	3	23.5	23.5	8.0	8.0	27.9	27.9	91.3	91.6	6.7		2.1		3		-				-		-	
						4.6	0.1	357	23.5		8.0		27.9		91.9		6.7		2.2		4		-				-		-	
					Bottom	8.2	0.2	359	23.4	23.4	8.0	8.0	27.9	27.9	94.2	94.4	6.9	6.9	3.1		5		-				-		-	
						8.2	0.2	352	23.4		8.0		27.9		94.5		6.9		3.1		4		-				-		-	
SR4A	Cloudy	Moderate	13:35	8.5	Surface	1.0	0.0	30	23.7	23.7	8.2	8.2	28.3	28.3	98.3	98.3	7.1	7.0	2.4	2.3	3	3	-	-	817186	807805	-	-	-	-
						1.0	0.1	35	23.7		8.2		28.3		98.3		7.1		2.5		4		-				-		-	
					Middle	4.3	0.0	47	23.5	23.5	8.2	8.2	28.5	28.5	93.9	93.9	6.8		2.1		3		-				-		-	
						4.3	0.0	43	23.5		8.2		28.5		93.8		6.8		2.2		4		-				-		-	
					Bottom	7.5	0.1	22	23.5	23.5	8.2	8.2	28.5	28.5	93.9	94.0	6.8	6.8	2.3		2		-				-		-	
						7.5	0.0	16	23.5		8.2		28.5		94.0		6.8		2.4		4		-				-		-	
SR5A	Cloudy	Moderate	13:50	4.2	Surface	1.0	0.1	98	23.7	23.7	8.2	8.2	28.8	28.8	94.6	94.6	6.8	6.8	4.0	7.5	3	4	-	-	816601	810682	-	-	-	-
						1.0	0.1	98	23.7		8.2		28.8		94.6		6.8		3.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	103	23.7	23.7	8.2	8.2	28.8	28.8	95.0	95.1	6.8	6.8	11.0		4		-				-		-	
						3.2	0.1	109	23.7		8.2		28.8		95.1		6.8		11.1		3		-				-		-	
SR6	Cloudy	Moderate	14:14	4.4	Surface	1.0	0.0	60	23.8	23.8	8.2	8.2	28.4	28.4	97.0	97.0	7.0	7.0	12.2	10.8	3	4	-	-	817903	814681	-	-	-	-
						1.0	0.1	53	23.8		8.2		28.4		97.0		7.0		12.2		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	49	23.7	23.7	8.2	8.2	28.6	28.6	96.4	96.5	6.9	6.9	9.6		4		-				-		-	
						3.4	0.1	44	23.7		8.2		28.6		96.5		6.9		9.2		3		-				-		-	
SR7	Misty	Moderate	14:18	15.0	Surface	1.0	0.2	78	23.8	23.8	8.0	8.0	30.1	30.1	89.6	89.8	6.4	6.5	0.5	1.1	3	3	-	-	823657	823739	-	-	-	-
						1.0	0.2	83	23.8		8.0		30.1		89.9		6.5		0.5		2		-				-		-	
					Middle	7.5	0.2	69	23.8	23.8	8.0	8.0	30.1	30.1	90.5	90.7	6.5		0.9		2		-				-		-	
						7.5	0.2	67	23.8		8.0		30.1		90.8		6.5		0.9		3		-				-		-	
					Bottom	14.0	0.2	70	23.8	23.8	8.0	8.0	30.2	30.2	92.7	94.3	6.7	6.8	2.0		3		-				-		-	
						14.0	0.2	75	23.8		8.0		30.1		95.9		6.9		2.0		4		-				-		-	
SR8	Misty	Moderate	12:59	4.8	Surface	1.0	-	-	23.4	23.4	8.0	8.0	29.6	29.6	91.2	91.2	6.6	6.6	3.6	4.1	3	4	-	-	820403	811601	-	-	-	-
						1.0	-	-	23.4		8.0		29.5		91.2		6.6		3.6		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	23.3	23.3	8.0	8.0	29.6	29.6	97.3	97.8	7.1	7.1	4.5		5		-				-		-	
						3.8	-	-	23.3		8.0		29.5		98.2		7.1		4.5		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 November 23 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	08:43	8.3	Surface	1.0	0.4	19	23.5	23.5	8.2	8.2	28.0	28.0	95.7	95.7	6.9	6.7	10.2	8.8	3	3	85	87	815632	804269	<0.2	<0.2	0.7	0.7
						1.0	0.4	20	23.5		8.2		28.0		95.7		6.9		10.2		2		85				<0.2		0.7	
					Middle	4.2	0.5	37	23.4	23.4	8.2	8.2	29.0	29.1	90.7	90.7	6.5		7.4		3		87				<0.2		0.8	
						4.2	0.5	44	23.4		8.2		29.1		90.6		6.5		7.6		3		88				<0.2		0.8	
					Bottom	7.3	0.4	11	23.3	23.3	8.2	8.2	29.5	29.5	90.4	90.4	6.5	6.5	8.8		3		89				<0.2		0.7	
						7.3	0.4	8	23.3		8.2		29.4		90.4		6.5		8.3		3		90				<0.2		0.7	
C2	Misty	Moderate	10:00	11.0	Surface	1.0	0.4	338	23.3	23.3	8.0	8.0	29.1	29.1	92.3	92.3	6.7	6.7	1.2	1.7	3	4	53	78	825681	806926	<0.2	<0.2	0.9	0.9
						1.0	0.4	336	23.3		8.0		29.1		92.3		6.7		1.2		2		52				<0.2		1.0	
					Middle	5.5	0.4	351	23.3	23.3	8.0	8.0	29.2	29.2	92.4	92.4	6.7		1.6		3		91				<0.2		0.6	
						5.5	0.4	348	23.3		8.0		29.1		92.4		6.7		1.5		4		91				<0.2		0.7	
					Bottom	10.0	0.5	14	23.3	23.3	8.0	8.0	29.2	29.2	93.0	93.1	6.7	6.7	2.2		5		90				<0.2		1.0	
						10.0	0.5	19	23.3		8.0		29.1		93.1		6.7		2.2		4		90				<0.2		0.9	
C3	Misty	Moderate	08:07	10.2	Surface	1.0	0.5	250	23.6	23.6	7.9	7.9	30.9	30.9	84.0	84.0	6.0	6.1	2.2	3.2	4	4	44	72	822120	817820	<0.2	<0.2	0.6	0.9
						1.0	0.5	246	23.6		7.9		30.9		84.0		6.0		2.1		3		44				<0.2		0.7	
					Middle	5.1	0.5	272	23.6	23.6	7.9	7.9	30.9	30.9	85.7	85.8	6.1		3.0		3		86				<0.2		1.0	
						5.1	0.6	272	23.6		7.9		30.9		85.9		6.1		3.1		4		86				<0.2		0.9	
					Bottom	9.2	0.5	240	23.6	23.6	7.9	7.9	30.9	30.9	89.5	89.7	6.4	6.4	4.2		4		86				<0.2		0.9	
						9.2	0.5	241	23.6		7.9		30.9		89.9		6.4		4.6		5		87				<0.2		1.0	
IM1	Cloudy	Moderate	08:55	7.0	Surface	1.0	0.3	12	23.5	23.5	8.2	8.2	28.3	28.3	92.7	92.8	6.7	6.6	3.0	4.0	4	4	85	89	818370	806436	<0.2	<0.2	0.8	0.8
						1.0	0.3	6	23.5		8.2		28.3		92.8		6.7		3.0		3		85				<0.2		0.8	
					Middle	3.5	0.3	15	23.3	23.3	8.2	8.2	28.7	28.7	88.3	88.3	6.4		4.3		3		89				<0.2		0.8	
						3.5	0.3	17	23.3		8.2		28.7		88.3		6.4		4.3		4		88				<0.2		0.8	
					Bottom	6.0	0.3	21	23.3	23.3	8.2	8.2	28.7	28.7	90.9	91.0	6.6	6.6	4.8		4		92				<0.2		0.7	
						6.0	0.3	18	23.3		8.2		28.7		91.1		6.6		4.8		4		93				<0.2		0.8	
IM2	Cloudy	Moderate	09:00	6.6	Surface	1.0	0.4	16	23.5	23.5	8.2	8.2	28.3	28.4	93.4	93.4	6.8	6.6	3.7	5.2	4	4	87	88	818850	806198	<0.2	<0.2	0.7	0.7
						1.0	0.4	18	23.5		8.2		28.4		93.4		6.8		3.7		5		87				<0.2		0.6	
					Middle	3.3	0.4	31	23.3	23.3	8.2	8.2	28.6	28.6	88.8	88.8	6.4		7.8		2		89				<0.2		0.7	
						3.3	0.3	31	23.3		8.2		28.6		88.8		6.4		8.1		4		86				<0.2		0.7	
					Bottom	5.6	0.4	12	23.3	23.3	8.2	8.2	28.7	28.7	89.0	89.0	6.4	6.4	4.0		3		89				<0.2		0.8	
						5.6	0.3	13	23.3		8.2		28.7		89.0		6.4		3.9		3		90				<0.2		0.8	
IM3	Cloudy	Moderate	09:03	7.0	Surface	1.0	0.3	17	23.6	23.6	8.2	8.2	28.1	28.1	95.5	95.5	6.9	6.7	2.9	4.7	3	3	87	90	819428	806017	<0.2	<0.2	0.7	0.8
						1.0	0.3	21	23.6		8.2		28.1		95.5		6.9		2.9		3		86				<0.2		0.8	
					Middle	3.5	0.3	17	23.3	23.3	8.2	8.2	28.7	28.7	88.1	88.1	6.4		3.8		3		89				<0.2		0.7	
						3.5	0.3	12	23.3		8.2		28.7		88.1		6.4		3.9		4		90				<0.2		0.8	
					Bottom	6.0	0.3	14	23.3	23.3	8.2	8.2	28.8	28.8	90.6	90.8	6.6	6.6	7.1		3		95				<0.2		0.7	
						6.0	0.4	16	23.3		8.2		28.8		90.9		6.6		7.4		4		94				<0.2		0.8	
IM4	Cloudy	Moderate	09:10	7.8	Surface	1.0	0.3	19	23.5	23.5	8.2	8.2	28.1	28.1	96.7	96.7	7.0	6.8	3.4	5.2	3	3	85	87	819596	805027	<0.2	<0.2	0.9	0.8
						1.0	0.3	17	23.5		8.2		28.1		96.7		7.0		3.4		2		85				<0.2		0.8	
					Middle	3.9	0.3	352	23.3	23.3	8.2	8.2	28.6	28.6	90.3	90.3	6.5		5.9		3		87				<0.2		0.8	
						3.9	0.2	357	23.3		8.2		28.6		90.3		6.5		6.0		3		87				<0.2		0.7	
					Bottom	6.8	0.4	28	23.2	23.2	8.2	8.2	28.7	28.7	90.9	91.0	6.6	6.6	6.2		3		91				<0.2		0.7	
						6.8	0.4	29	23.2		8.2		28.7		91.0		6.6		6.2		4		89				<0.2		0.6	
IM5	Cloudy	Moderate	09:18	7.2	Surface	1.0	0.3	348	23.4	23.4	8.2	8.2	28.4	28.4	91.8	91.8	6.6	6.6	3.0	2.7	3	3	84	87	820555	804931	<0.2	<0.2	0.8	0.7
						1.0	0.4	347	23.4		8.2		28.4		91.7		6.6		3.0		3		85				<0.2		0.7	
					Middle	3.6	0.4	12	23.4	23.4	8.2	8.2	28.5	28.5	91.0	91.0	6.6		2.7		3		87				<0.2		0.8	
						3.6	0.4	8	23.4		8.2		28.5		91.0		6.6		2.7		3		88				<0.2		0.7	
					Bottom	6.2	0.4	6	23.3	23.3	8.2	8.2	28.5	28.5	90.7	90.8	6.6	6.6	2.4		3		87				<0.2		0.6	
						6.2	0.3	9	23.3		8.2		28.5		90.8		6.6		2.4		3		88				<0.2		0.7	
IM6	Cloudy	Moderate	09:23	7.5	Surface	1.0	0.2	5	23.4	23.4	8.2	8.2	28.2	28.2	90.1	90.1	6.5	6.5	1.9	2.2	3	3	88	91	821063	805817	<0.2	<0.2	0.7	0.7
						1.0	0.2	0	23.4		8.2		28.2		90.0		6.5		2.0		3		87				<0.2		0.7	
					Middle	3.8	0.3	2	23.3	23.3	8.2	8.2	28.5	28.5	89.2	89.2	6.5		2.0		3		89				<0.2		0.8	
						3.8	0.3	6	23.3		8.2		28.5		89.2		6.5		2.0		4		91				<0.2		0.7	
					Bottom	6.5	0.2	354	23.3	23.3	8.2	8.2	28.5	28.5	90.4	90.6	6.5	6.6	2.5		3		95				<0.2		0.7	
						6.5	0.3	359	23.3		8.2		28.5		90.7		6.6		2.5		4		94				<0.2		0.7	
IM7	Cloudy	Moderate	09:31	7.2	Surface	1.0	0.2	13	23.5	23.5	8.2	8.2	28.3	28.3	91.6	91.6	6.6	6.6	1.9	2.1	3	3	87	90	821330	806815	<0.2	<0.2	0.7	0.8
						1.0	0.1	7	23.5		8.2		28.3		91.5		6.6		1.9		4		88				<0.2		0.7	
					Middle	3.6	0.2	2	23.4	23.4	8.2	8.2	28.4	28.4	90.5	90.5	6.5		2.0		3		89				<0.2		0.8	
						3.6	0.2	4	23.4		8.2		28.4		90.4		6.5		2.0		3		89				<0.2		0.8	
					Bottom	6.2	0.2	33	23.3	23.3	8.2	8.2	28.5	28.5	91.1	91.2	6.6	6.6	2.2		2		94				<0.2		0.8	
						6.2	0.3	37	23.3		8.2		28.5		91.3		6.6		2.3		3		94				<0.2		0.7	
IM8	Misty	Moderate	09:32	7.6	Surface	1.0	0.3	354	23.3	23.3	8.0	8.0	29.6	29.6	93.4	93.4	6.7	6.7	1.7	2.1	2	2	44	68	821678	807845	<0.2	<0.2	0.8	0.9
						1.0	0.3	357	23.3		8.0		29.6		93.4		6.7		1.6		2		44				<0.2		0.7	
					Middle	3.8	0.2	334	23.3	23.3	8.0	8.0	29.7	29.7	93.5	93.6	6.7		1.9		3		78				<0.2		1.1	
						3.8	0.3	331	23.3		8.0		29.6		93.6		6.7		1.8		2		78				<0.2		1.0	
					Bottom	6.6	0.2	345	23.2	23.3	8.0	8.0	29.6	29.6	93.8	93.9	6.8	6.8	2.7		3		82				<0.2		0.8	
						6.6	0.2	346	23.3		8.0		29.6		94.0		6.8		2.7		2		82				<0.2		0.9	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 28 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	09:18	8.0	Surface	1.0	0.4	325	23.4	23.4	8.0	8.0	29.3	29.4	93.7	93.7	6.7	6.7	1.1	1.9	3	3	43	69	822113	808805	<0.2	<0.2	0.9	0.7
						1.0	0.4	332	23.4		8.0		29.4		93.7		6.7		1.1		3		44				<0.2		0.7	
					Middle	4.0	0.4	312	23.3	23.3	8.0	8.0	29.6	29.6	93.6	93.6	6.7		1.7		3		79				<0.2		0.6	
						4.0	0.3	304	23.3		8.0		29.6		93.6		6.7		1.6		4		79				<0.2		0.7	
					Bottom	7.0	0.3	290	23.3	23.3	8.0	8.0	29.6	29.6	93.7	93.8	6.8	6.8	2.8		4		83				<0.2		0.7	
						7.0	0.3	284	23.3		8.0		29.6		93.8		6.8		2.9		3		83				<0.2		0.6	
IM10	Misty	Moderate	09:03	7.2	Surface	1.0	0.4	304	23.3	23.3	8.0	8.0	29.2	29.2	92.0	92.0	6.6	6.7	1.1	1.5	3	3	48	74	822226	809816	<0.2	<0.2	0.9	0.8
						1.0	0.4	306	23.3		8.0		29.2		92.0		6.6		1.1		3		48				<0.2		0.8	
					Middle	3.6	0.5	277	23.3	23.3	8.0	8.0	29.4	29.4	92.6	92.7	6.7		1.6		2		86				<0.2		0.8	
						3.6	0.4	272	23.3		8.0		29.4		92.7		6.7		1.7		3		86				<0.2		0.8	
					Bottom	6.2	0.4	271	23.3	23.3	8.0	8.0	29.4	29.4	93.2	93.3	6.7	6.7	1.7		2		87				<0.2		0.9	
						6.2	0.4	276	23.3		8.0		29.3		93.4		6.7		1.8		3		87				<0.2		0.8	
IM11	Misty	Moderate	08:51	8.0	Surface	1.0	0.5	284	23.4	23.4	8.0	8.0	29.2	29.3	93.5	93.5	6.7	6.7	1.2	1.6	3	3	52	76	821484	810542	<0.2	<0.2	0.8	0.8
						1.0	0.6	287	23.4		8.0		29.3		93.5		6.7		1.2		4		52				<0.2		0.9	
					Middle	4.0	0.5	283	23.3	23.3	8.0	8.0	29.6	29.6	93.6	93.7	6.7		1.6		4		87				<0.2		0.7	
						4.0	0.4	289	23.3		8.0		29.6		93.7		6.7		1.5		3		87				<0.2		0.9	
					Bottom	7.0	0.5	295	23.3	23.3	8.0	8.0	29.7	29.7	94.2	94.3	6.8	6.8	2.0		3		90				<0.2		0.9	
						7.0	0.5	288	23.3		8.0		29.7		94.3		6.8		2.1		3		90				<0.2		0.7	
IM12	Misty	Moderate	08:44	8.2	Surface	1.0	0.5	289	23.5	23.5	8.0	8.0	29.9	29.9	93.7	93.7	6.7	6.7	1.4	1.9	4	3	45	73	821148	811500	<0.2	<0.2	0.7	0.8
						1.0	0.5	292	23.5		8.0		29.9		93.7		6.7		1.5		3		46				<0.2		0.8	
					Middle	4.1	0.5	290	23.5	23.5	8.0	8.0	29.9	29.9	93.6	93.7	6.7		1.7		2		86				<0.2		0.9	
						4.1	0.4	297	23.5		8.0		29.9		93.7		6.7		1.6		3		86				<0.2		0.8	
					Bottom	7.2	0.5	299	23.4	23.4	8.0	8.0	29.9	29.9	94.3	94.4	6.8	6.8	2.6		2		87				<0.2		0.9	
						7.2	0.4	296	23.4		8.0		29.9		94.4		6.8		2.5		3		87				<0.2		0.8	
SR1A	Misty	Moderate	08:34	5.6	Surface	1.0	0.0	181	23.3	23.3	8.0	8.0	29.9	29.9	93.2	93.3	6.7	6.7	0.7	1.4	2	2	-	-	819982	812655	-	-	-	-
						1.0	0.1	177	23.3		8.0		29.9		93.3		6.7		0.7		2		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	0.0	178	23.3	23.3	8.0	8.0	29.9	29.9	93.6	93.7	6.7	6.7	2.1		3		-				-		-	
						4.6	0.0	176	23.3		8.0		29.9		93.7		6.7		2.2		2		-				-		-	
SR2	Misty	Moderate	08:25	5.0	Surface	1.0	0.1	228	23.5	23.5	7.9	8.0	29.9	29.9	93.9	93.3	6.7	6.7	1.1	1.6	2	2	43	65	821460	814144	<0.2	<0.2	0.6	0.7
						1.0	0.1	228	23.5		8.0		29.9		92.7		6.6		1.1		2		43				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	219	23.5	23.5	8.0	8.0	30.0	30.0	93.3	93.4	6.7	6.7	2.1		2		87				<0.2		0.7	
						4.0	0.2	221	23.5		8.0		30.0		93.4		6.7		2.2		2		87				<0.2		0.6	
SR3	Misty	Moderate	09:46	9.2	Surface	1.0	0.3	336	23.3	23.3	8.0	8.0	29.4	29.4	96.9	97.1	7.0	7.0	1.0	1.4	3	3	-	-	822170	807583	-	-	-	-
						1.0	0.3	335	23.3		8.0		29.4		97.2		7.0		1.1		2		-				-		-	
					Middle	4.6	0.4	331	23.2	23.2	8.0	8.0	29.4	29.5	97.7	97.8	7.0		1.1		2		-				-		-	
						4.6	0.4	331	23.2		8.0		29.5		97.9		7.1		1.1		3		-				-		-	
					Bottom	8.2	0.4	5	23.2	23.2	8.0	8.0	29.5	29.5	98.5	98.6	7.1	7.1	1.9		4		-				-		-	
						8.2	0.4	9	23.2		8.0		29.5		98.7		7.1		1.9		3		-				-		-	
SR4A	Cloudy	Moderate	08:25	8.6	Surface	1.0	0.0	255	23.4	23.4	8.2	8.2	28.5	28.5	92.7	92.7	6.7	6.7	10.5	5.4	2	2	-	-	817166	807825	-	-	-	-
						1.0	0.0	251	23.4		8.2		28.5		92.6		6.7		10.5		2		-				-		-	
					Middle	4.3	0.0	271	23.4	23.4	8.2	8.2	28.7	28.7	91.5	91.5	6.6		2.8		2		-				-		-	
						4.3	0.1	267	23.4		8.2		28.7		91.5		6.6		2.8		2		-				-		-	
					Bottom	7.6	0.0	273	23.4	23.4	8.2	8.2	28.7	28.7	91.3	91.3	6.6	6.6	3.0		2		-				-		-	
						7.6	0.0	270	23.4		8.2		28.7		91.3		6.6		3.0		2		-				-		-	
SR5A	Cloudy	Moderate	08:07	4.0	Surface	1.0	0.2	296	23.4	23.4	8.2	8.2	29.0	29.0	89.7	89.8	6.5	6.5	3.1	4.5	2	3	-	-	816583	810699	-	-	-	-
						1.0	0.2	299	23.4		8.2		29.0		89.8		6.5		3.3		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.2	297	23.4	23.4	8.2	8.2	29.0	29.0	90.0	90.1	6.5	6.5	5.7		4		-				-		-	
						3.0	0.2	301	23.4		8.2		29.0		90.1		6.5		5.8		2		-				-		-	
SR6	Cloudy	Moderate	07:42	5.1	Surface	1.0	0.1	245	23.5	23.5	8.2	8.2	28.7	28.7	89.1	89.1	6.4	6.4	3.6	6.6	3	3	-	-	817886	814641	-	-	-	-
						1.0	0.0	249	23.5		8.2		28.7		89.0		6.4		4.0		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.1	0.1	259	23.6	23.6	8.2	8.2	28.9	28.9	88.8	88.8	6.4	6.4	9.5		2		-				-		-	
						4.1	0.1	255	23.6		8.2		28.9		88.8		6.4		9.3		2		-				-		-	
SR7	Misty	Moderate	07:40	11.0	Surface	1.0	1.0	248	23.6	23.6	7.9	7.9	30.8	30.8	84.3	84.3	6.0	6.0	1.6	1.8	3	3	-	-	823621	823749	-	-	-	-
						1.0	1.0	242	23.6		7.9		30.8		84.3		6.0		1.6		4		-				-		-	
					Middle	5.5	0.9	253	23.6	23.6	7.9	7.9	30.9	30.9	84.5	84.6	6.0		1.7		3		-				-		-	
						5.5	1.0	250	23.6		7.9		30.9		84.6		6.0		1.7		4		-				-		-	
					Bottom	10.0	1.0	267	23.7	23.7	7.9	7.9	31.0	31.0	86.8	87.1	6.2	6.2	2.1		3		-				-		-	
						10.0	1.0	262	23.7		7.9		31.0		87.4		6.2		2.2		3		-				-		-	
SR8	Misty	Moderate	08:39	4.6	Surface	1.0	-	-	23.5	23.5	8.0	8.0	29.9	29.9	93.0	93.1	6.7	6.7	1.4	2.2	3	3	-	-	820408	811636	-	-	-	-
						1.0	-	-	23.5		8.0		29.9		93.1		6.7		1.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	23.4	23.4	8.0	8.0	29.9	29.9	93.8	93.9	6.7	6.7	3.0		3		-				-		-	
						3.6	-	-	23.4		8.0		29.9		94.0		6.7		3.1		2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	14:09	8.4	Surface	1.0	0.0	54	22.7	22.7	8.3	8.3	29.2	29.3	90.2	90.2	6.6	6.6	5.1	8.8	3	3	86	87	815642	804237	<0.2	<0.2	0.9	0.8
						1.0	0.1	61	22.7		8.3		29.3		90.1		6.6		5.6		3		87				<0.2		0.8	
					Middle	4.2	0.0	57	22.6	22.6	8.3	8.3	29.7	29.7	89.8	89.8	6.5		8.5		3		87				<0.2		0.8	
						4.2	0.0	55	22.6		8.3		29.7		89.8		6.5		8.1		4		87				<0.2		0.8	
					Bottom	7.4	0.0	49	22.6	22.6	8.3	8.3	29.9	29.9	90.0	90.1	6.5	6.6	12.6		3		89				<0.2		0.8	
						7.4	0.1	41	22.6		8.3		29.9		90.2		6.6		13.0		4		88				<0.2		0.8	
C2	Misty	Moderate	13:16	11.0	Surface	1.0	0.1	1	23.4	23.4	8.1	8.1	27.9	28.0	86.5	86.7	6.3	6.4	2.9	3.8	4	4	47	74	825662	806966	<0.2	<0.2	0.9	0.9
						1.0	0.2	356	23.4		8.0		28.0		86.8		6.4		3.0		4		47				<0.2		0.9	
					Middle	5.5	0.2	353	23.4	23.4	8.0	8.0	28.0	28.0	87.7	87.9	6.4		4.1		3		82				<0.2		0.7	
						5.5	0.2	348	23.4		8.0		28.0		88.0		6.4		4.2		4		83				<0.2		0.8	
					Bottom	10.0	0.2	354	23.4	23.4	8.0	8.0	28.0	28.0	89.0	89.3	6.5	6.6	4.4		3		91				<0.2		0.9	
						10.0	0.2	348	23.4		8.0		28.0		89.5		6.6		4.4		4		91				<0.2		0.9	
C3	Misty	Moderate	15:12	10.8	Surface	1.0	0.1	89	23.9	23.9	8.1	8.1	28.1	28.1	84.4	84.5	6.1	6.2	2.7	3.6	4	4	52	75	822118	817819	<0.2	<0.2	0.9	0.8
						1.0	0.1	86	23.9		8.1		28.1		84.6		6.1		2.8		5		52				<0.2		0.8	
					Middle	5.4	0.2	82	23.9	23.9	8.1	8.1	28.1	28.1	85.4	85.6	6.2		3.8		5		85				<0.2		0.8	
						5.4	0.1	87	23.9		8.1		28.1		85.8		6.2		3.9		4		85				<0.2		0.9	
					Bottom	9.8	0.1	83	23.9	23.9	8.1	8.1	28.1	28.1	87.6	89.6	6.4	6.5	4.3		3		87				<0.2		0.7	
						9.8	0.1	80	23.9		8.1		28.1		91.6		6.6		4.3		4		87				<0.2		0.7	
IM1	Cloudy	Moderate	13:46	6.8	Surface	1.0	0.1	16	22.8	22.8	8.2	8.2	29.9	29.9	90.6	90.5	6.6	6.6	4.2	6.1	3	4	86	87	818361	806450	<0.2	<0.2	0.8	0.8
						1.0	0.2	9	22.7		8.2		29.9		90.4		6.6		4.3		4		87				<0.2		0.8	
					Middle	3.4	0.1	30	22.7	22.7	8.2	8.2	30.2	30.2	88.9	88.9	6.5		6.2		4		87				<0.2		0.8	
						3.4	0.1	25	22.7		8.2		30.2		88.9		6.5		6.7		4		87				<0.2		0.9	
					Bottom	5.8	0.1	47	22.7	22.7	8.2	8.2	30.1	30.1	88.9	88.9	6.5	6.5	7.6		4		88				<0.2		0.8	
						5.8	0.1	39	22.7		8.2		30.1		88.9		6.5		7.3		4		88				<0.2		0.8	
IM2	Cloudy	Moderate	13:42	7.2	Surface	1.0	0.2	24	22.7	22.7	8.2	8.2	29.7	29.7	90.4	90.4	6.6	6.6	3.9	5.6	4	5	86	87	818841	806172	<0.2	<0.2	0.8	0.8
						1.0	0.2	16	22.7		8.2		29.7		90.3		6.6		4.0		5		87				<0.2		0.8	
					Middle	3.6	0.2	26	22.7	22.7	8.2	8.2	29.8	29.9	88.8	88.8	6.5		5.4		4		88				<0.2		0.8	
						3.6	0.2	28	22.7		8.2		29.9		88.8		6.5		5.6		5		87				<0.2		0.8	
					Bottom	6.2	0.1	45	22.7	22.7	8.2	8.2	29.9	29.9	89.1	89.2	6.5	6.5	7.1		4		88				<0.2		0.8	
						6.2	0.1	38	22.7		8.2		29.9		89.2		6.5		7.7		6		88				<0.2		0.8	
IM3	Cloudy	Moderate	13:38	7.5	Surface	1.0	0.1	56	22.8	22.8	8.2	8.2	29.7	29.7	91.4	91.3	6.6	6.6	4.2	5.5	3	4	85	87	819402	806006	<0.2	<0.2	0.8	0.8
						1.0	0.1	52	22.8		8.2		29.7		91.2		6.6		4.2		4		86				<0.2		0.8	
					Middle	3.8	0.1	46	22.7	22.7	8.2	8.2	29.9	29.9	90.0	89.9	6.5		5.0		5		86				<0.2		0.8	
						3.8	0.1	45	22.7		8.2		29.9		89.8		6.5		5.2		4		87				<0.2		0.8	
					Bottom	6.5	0.1	56	22.6	22.6	8.2	8.2	30.0	30.0	89.7	89.8	6.5	6.5	7.0		5		88				<0.2		0.8	
						6.5	0.1	59	22.6		8.2		30.0		89.8		6.5		7.1		4		87				<0.2		0.7	
IM4	Cloudy	Moderate	13:31	7.4	Surface	1.0	0.2	25	22.7	22.7	8.2	8.2	30.1	30.1	90.9	90.9	6.6	6.6	5.7	8.6	5	4	86	87	819575	805033	<0.2	<0.2	0.9	0.8
						1.0	0.2	23	22.7		8.2		30.1		90.9		6.6		5.7		4		86				<0.2		0.8	
					Middle	3.7	0.1	52	22.6	22.6	8.2	8.2	30.2	30.2	90.4	90.4	6.6		8.6		4		88				<0.2		0.8	
						3.7	0.1	56	22.6		8.2		30.2		90.4		6.6		9.2		3		88				<0.2		0.8	
					Bottom	6.4	0.2	13	22.6	22.6	8.2	8.2	30.2	30.2	90.9	91.0	6.6	6.6	11.0		3		88				<0.2		0.8	
						6.4	0.1	6	22.6		8.2		30.2		91.0		6.6		11.3		3		87				<0.2		0.8	
IM5	Cloudy	Moderate	13:21	7.6	Surface	1.0	0.2	31	22.7	22.7	8.2	8.2	29.8	29.8	91.1	91.1	6.6	6.6	4.1	4.4	4	4	85	87	820573	804908	<0.2	<0.2	0.8	0.8
						1.0	0.1	27	22.7		8.2		29.8		91.1		6.6		4.1		3		86				<0.2		0.8	
					Middle	3.8	0.2	22	22.7	22.7	8.2	8.2	29.9	29.9	91.0	91.0	6.6		4.3		4		87				<0.2		0.8	
						3.8	0.2	21	22.7		8.2		29.9		91.0		6.6		4.4		4		87				<0.2		0.8	
					Bottom	6.6	0.1	43	22.7	22.7	8.2	8.2	29.8	29.8	91.4	91.5	6.6	6.7	4.6		4		88				<0.2		0.8	
						6.6	0.1	44	22.7		8.2		29.8		91.6		6.7		4.6		5		88				<0.2		0.8	
IM6	Cloudy	Moderate	13:15	7.6	Surface	1.0	0.2	43	22.8	22.8	8.2	8.2	29.2	29.3	89.8	89.8	6.5	6.6	2.3	2.6	4	4	86	87	821061	805815	<0.2	<0.2	0.8	0.8
						1.0	0.2	42	22.8		8.2		29.3		89.8		6.5		2.3		5		87				<0.2		0.8	
					Middle	3.8	0.2	18	22.7	22.7	8.2	8.2	29.7	29.7	90.5	90.6	6.6		2.7		5		88				<0.2		0.8	
						3.8	0.2	12	22.7		8.2		29.7		90.6		6.6		2.7		4		87				<0.2		0.8	
					Bottom	6.6	0.1	39	22.7	22.7	8.2	8.2	29.7	29.7	91.2	91.3	6.6	6.6	2.7		4		88				<0.2		0.8	
						6.6	0.1	32	22.7		8.2		29.7		91.4		6.6		2.8		3		88				<0.2		0.8	
IM7	Cloudy	Moderate	13:10	7.8	Surface	1.0	0.1	33	22.8	22.8	8.2	8.2	28.2	28.2	89.1	89.1	6.5	6.5	1.9	1.7	4	5	86	87	821336	806847	<0.2	<0.2	0.8	0.8
						1.0	0.2	30	22.8		8.2		28.2		89.1		6.5		1.8		5		86				<0.2		0.8	
					Middle	3.9	0.2	20	22.7	22.7	8.2	8.2	29.9	30.0	88.8	88.9	6.5		1.6		5		88				<0.2		0.8	
						3.9	0.2	21	22.7		8.2		30.0		88.9		6.5		1.6		4		88				<0.2		0.8	
					Bottom	6.8	0.2	30	22.6	22.6	8.2	8.2	30.2	30.3	90.0	90.1	6.5	6.5	1.7		5		88				<0.2		0.8	
						6.8	0.3	25	22.6		8.2		30.3		90.1		6.5		1.7		4		87				<0.2		0.8	
IM8	Misty	Moderate	13:35	7.2	Surface	1.0	0.1	35	23.4	23.4	8.1	8.1	28.0	28.0	84.9	85.1	6.2	6.3	2.3	3.3	4	4	45	70	821687	807848	<0.2	<0.2	0.9	0.9
						1.0	0.2	38	23.4		8.1		28.0		85.3		6.2		2.3		4		45				<0.2		0.8	
					Middle	3.6	0.2	24	23.3	23.3	8.1	8.1	28.2	28.2	86.8	87.0	6.4		3.3		4		81				<0.2		0.8	
						3.6	0.3	24	23.3		8.1		28.2		87.1		6.4		3.4		4		81				<0.2		0.9	
					Bottom	6.2	0.2	42	23.3	23.3	8.1	8.1	28.4	28.5	88.3	88.5	6.5	6.5	4.3		3		84				<0.2		0.9	
						6.2	0.2	48	23.3		8.1		28.5		88.7		6.5		4.3		4		84				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 November 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	13:41	7.4	Surface	1.0	0.2	14	23.3	23.3	8.1	8.1	29.3	29.4	82.2	82.3	6.0	6.2	2.4	3.6	6	5	56	76	822076	808791	<0.2	<0.2	1.0	1.0
						1.0	0.2	8	23.3		8.1		29.4		82.3		6.0		2.5		5		56				<0.2		1.0	
					Middle	3.7	0.2	9	23.3	23.3	8.1	8.1	29.5	29.6	86.4	86.6	6.3		4.0		5		82				<0.2		0.9	
						3.7	0.1	11	23.3		8.1		29.6		86.7		6.3		4.0		4		82				<0.2		0.9	
					Bottom	6.4	0.2	29	23.3	23.3	8.1	8.1	29.6	29.6	88.3	88.7	6.4	6.5	4.4		4		90				<0.2		1.0	
						6.4	0.2	31	23.3		8.1		29.6		89.1		6.5		4.3		3		90				<0.2		0.9	
IM10	Misty	Moderate	13:50	7.6	Surface	1.0	0.1	350	23.4	23.4	8.1	8.1	29.6	29.6	82.6	82.7	6.0	6.1	2.2	2.8	2	3	51	77	822262	809855	<0.2	<0.2	0.9	0.9
						1.0	0.1	346	23.4		8.1		29.6		82.8		6.0		2.3		3		52				<0.2		0.8	
					Middle	3.8	0.1	335	23.4	23.4	8.1	8.1	29.6	29.6	85.4	85.8	6.2		2.7		3		89				<0.2		0.9	
						3.8	0.2	336	23.4		8.1		29.6		86.1		6.3		2.7		3		89				<0.2		0.9	
					Bottom	6.6	0.1	331	23.4	23.4	8.1	8.1	29.5	29.6	88.2	88.6	6.4	6.5	3.3		4		90				<0.2		0.9	
						6.6	0.1	330	23.4		8.1		29.6		89.0		6.5		3.4		4		90				<0.2		0.9	
IM11	Misty	Moderate	14:05	8.2	Surface	1.0	0.1	333	23.4	23.4	8.1	8.1	29.6	29.6	86.1	86.2	6.2	6.3	2.3	3.6	3	3	62	75	821487	810540	<0.2	<0.2	1.0	0.9
						1.0	0.1	330	23.4		8.1		29.6		86.3		6.3		2.4		2		62				<0.2		0.9	
					Middle	4.1	0.1	354	23.3	23.3	8.1	8.1	29.6	29.6	86.9	87.0	6.3		3.9		3		78				<0.2		0.8	
						4.1	0.1	349	23.3		8.1		29.6		87.1		6.3		3.9		3		78				<0.2		0.8	
					Bottom	7.2	0.0	359	23.3	23.3	8.1	8.1	29.6	29.6	92.9	93.2	6.8	6.8	4.5		2		84				<0.2		1.0	
						7.2	0.0	5	23.3		8.1		29.6		93.5		6.8		4.6		4		85				<0.2		0.9	
IM12	Misty	Moderate	14:11	8.4	Surface	1.0	0.0	73	23.4	23.4	8.1	8.1	29.6	29.6	86.1	86.2	6.2	6.3	2.2	2.7	3	3	48	71	821185	811500	<0.2	<0.2	0.9	0.9
						1.0	0.0	67	23.4		8.1		29.6		86.3		6.3		2.3		4		48				<0.2		0.8	
					Middle	4.2	0.0	94	23.3	23.3	8.1	8.1	29.6	29.6	87.0	87.0	6.3		2.4		2		79				<0.2		0.9	
						4.2	0.1	96	23.3		8.1		29.6		87.0		6.3		2.4		3		79				<0.2		1.0	
					Bottom	7.4	0.0	86	23.3	23.3	8.1	8.1	29.6	29.6	93.0	93.2	6.8	6.8	3.3		2		87				<0.2		0.8	
						7.4	0.1	86	23.3		8.1		29.6		93.3		6.8		3.4		3		87				<0.2		0.9	
SR1A	Misty	Moderate	14:41	5.0	Surface	1.0	-	4	23.2	23.2	8.1	8.1	29.6	29.6	81.9	83.9	6.0	6.1	2.3	3.1	4	5	-	-	819972	812657	-	-	-	-
						1.0	0.0	359	23.2		8.1		29.6		85.8		6.2		2.4		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	334	23.2	23.2	8.1	8.1	29.5	29.6	87.3	87.7	6.4	6.4	3.9		6		-				-		-	
						4.0	0.0	329	23.2		8.1		29.6		88.0		6.4		3.8		4		-				-		-	
SR2	Misty	Moderate	14:52	5.0	Surface	1.0	0.1	55	23.4	23.4	8.1	8.1	29.6	29.6	86.5	86.7	6.3	6.3	3.3	3.9	4	4	72	87	821471	814188	<0.2	<0.2	0.9	0.9
						1.0	0.1	53	23.4		8.1		29.6		86.8		6.3		3.4		4		72				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	56	23.4	23.4	8.1	8.1	29.6	29.6	89.6	90.1	6.5	6.6	4.4		4		102				<0.2		0.9	
						4.0	0.2	54	23.4		8.1		29.6		90.6		6.6		4.3		3		102				<0.2		1.0	
SR3	Misty	Moderate	13:19	9.2	Surface	1.0	0.2	3	23.5	23.5	8.1	8.1	27.9	27.9	85.9	86.0	6.3	6.4	2.3	3.4	3	3	-	-	822142	807567	-	-	-	-
						1.0	0.2	357	23.5		8.1		27.9		86.0		6.3		2.4		3		-				-		-	
					Middle	4.6	0.2	0	23.5	23.5	8.1	8.1	27.9	27.9	87.1	87.4	6.4		3.3		3		-				-		-	
						4.6	0.2	7	23.5		8.1		27.9		87.7		6.4		3.4		3		-				-		-	
					Bottom	8.2	0.2	12	23.4	23.4	8.1	8.1	27.9	27.9	90.0	90.2	6.6	6.6	4.4		3		-				-		-	
						8.2	0.1	6	23.4		8.1		27.9		90.3		6.6		4.3		4		-				-		-	
SR4A	Cloudy	Moderate	14:24	8.8	Surface	1.0	0.0	100	22.8	22.8	8.2	8.2	30.2	30.2	90.2	90.2	6.5	6.5	3.5	4.2	3	4	-	-	817194	807800	-	-	-	-
						1.0	0.1	105	22.8		8.2		30.2		90.2		6.5		3.5		4		-				-		-	
					Middle	4.4	0.0	84	22.7	22.7	8.2	8.2	30.2	30.2	90.0	90.0	6.5		3.7		3		-				-		-	
						4.4	0.0	77	22.7		8.2		30.2		90.0		6.5		3.7		4		-				-		-	
					Bottom	7.8	0.0	114	22.7	22.7	8.2	8.2	30.3	30.3	90.1	90.1	6.5	6.5	5.3		4		-				-		-	
						7.8	0.0	116	22.7		8.2		30.3		90.1		6.5		5.3		4		-				-		-	
SR5A	Cloudy	Moderate	14:37	3.4	Surface	1.0	0.1	94	22.7	22.7	8.2	8.2	30.1	30.1	89.5	89.5	6.5	6.5	1.9	2.0	3	4	-	-	816587	810676	-	-	-	-
						1.0	0.0	94	22.7		8.2		30.1		89.5		6.5		1.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.1	89	22.7	22.7	8.2	8.2	30.1	30.1	89.7	89.7	6.5	6.5	2.1		4		-				-		-	
						2.4	0.1	84	22.7		8.2		30.1		89.7		6.5		2.1		4		-				-		-	
SR6	Cloudy	Moderate	15:14	4.4	Surface	1.0	0.0	83	22.9	23.0	8.2	8.2	30.0	30.0	90.9	90.9	6.6	6.6	1.4	1.4	4	3	-	-	817911	814677	-	-	-	-
						1.0	0.1	76	23.0		8.2		30.0		90.9		6.6		1.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	90	22.9	23.0	8.2	8.2	30.0	30.0	91.0	91.1	6.6	6.6	1.4		3		-				-		-	
						3.4	0.0	84	23.0		8.2		30.0		91.1		6.6		1.3		2		-				-		-	
SR7	Misty	Moderate	15:43	15.0	Surface	1.0	0.1	52	23.8	23.8	8.1	8.1	28.0	28.0	85.4	85.6	6.2	6.3	1.7	2.4	5	4	-	-	823614	823725	-	-	-	-
						1.0	0.0	57	23.8		8.1		28.0		85.7		6.2		1.7		4		-				-		-	
					Middle	7.5	0.0	40	23.8	23.8	8.1	8.1	28.0	28.0	86.3	86.5	6.3		2.2		3		-				-		-	
						7.5	0.0	35	23.8		8.1		28.0		86.6		6.3		2.2		4		-				-		-	
					Bottom	14.0	0.0	26	23.8	23.8	8.1	8.1	28.1	28.1	88.5	90.1	6.4	6.6	3.2		3		-				-		-	
						14.0	0.0	24	23.8		8.1		28.0		91.7		6.7		3.2		4		-				-		-	
SR8	Misty	Moderate	14:25	4.8	Surface	1.0	-	-	23.4	23.4	8.1	8.1	29.6	29.6	82.8	82.8	6.0	6.0	4.8	5.3	3	4	-	-	820392	811608	-	-	-	-
						1.0	-	-	23.4		8.1		29.5		82.8		6.0		4.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	23.3	23.3	8.1	8.1	29.6	29.6	88.9	89.4	6.5	6.5	5.8		5		-				-		-	
						3.8	-	-	23.3		8.1		29.5		89.8		6.5		5.7		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 30 November 23 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	09:57	8.0	Surface	1.0	0.4	40	22.7	22.7	8.2	8.2	29.4	29.4	90.8	90.8	6.6	6.5	5.5	9.5	3	3	83	86	815601	804259	<0.2	<0.2	0.8	0.8
						1.0	0.4	33	22.7		8.2		29.4		90.7		6.6		5.5		3		86						0.8	
					Middle	4.0	0.3	51	22.6	22.6	8.2	8.2	29.9	29.9	88.5	88.5	6.4		11.2		4		87						0.8	
						4.0	0.4	44	22.6		8.2		29.9		88.4		6.4		11.8		3		86						0.8	
					Bottom	7.0	0.4	8	22.6	22.6	8.2	8.2	30.1	30.1	87.2	87.2	6.3	6.3	11.6		4		87						0.8	
						7.0	0.3	2	22.6		8.2		30.1		87.1		6.3		11.5		3		88						0.8	
C2	Misty	Moderate	11:32	11.0	Surface	1.0	0.3	5	23.3	23.3	8.1	8.1	29.1	29.1	83.9	83.9	6.1	6.1	2.4	2.9	4	4	52	78	825700	806927	<0.2	<0.2	1.0	1.0
						1.0	0.3	2	23.3		8.1		29.1		83.9		6.1		2.4		5		52						1.0	
					Middle	5.5	0.3	350	23.3	23.3	8.1	8.1	29.2	29.2	84.0	84.0	6.1		2.8		5		91				<0.2		1.1	
						5.5	0.3	347	23.3		8.1		29.1		84.0		6.1		2.7		4		91						1.0	
					Bottom	10.0	0.3	358	23.3	23.3	8.1	8.1	29.2	29.2	84.6	84.7	6.2	6.2	3.4		4		90				<0.2		0.9	
						10.0	0.2	358	23.3		8.1		29.1		84.7		6.2		3.4		4		90						1.0	
C3	Misty	Moderate	09:40	10.4	Surface	1.0	0.5	267	23.6	23.6	8.0	8.0	28.8	28.8	84.0	84.0	6.1	6.2	3.4	4.4	5	4	44	72	822088	817788	<0.2	<0.2	0.8	0.9
						1.0	0.6	273	23.6		8.0		28.8		84.0		6.1		3.3		4		44						0.9	
					Middle	5.2	0.4	260	23.6	23.6	8.0	8.0	28.8	28.8	85.7	85.8	6.2		4.2		4		86				<0.2		0.9	
						5.2	0.5	259	23.6		8.0		28.8		85.9		6.2		4.3		3		86				<0.2		0.8	
					Bottom	9.4	0.5	278	23.6	23.6	8.1	8.1	28.8	28.8	89.5	89.7	6.5	6.5	5.5		3		86				<0.2		1.1	
						9.4	0.5	283	23.6		8.1		28.8		89.9		6.5		5.8		4		86				<0.2		1.0	
IM1	Cloudy	Moderate	10:20	6.7	Surface	1.0	0.2	29	22.7	22.7	8.2	8.2	30.0	30.0	89.1	89.2	6.5	6.5	7.2	9.4	4	4	85	86	818340	806464	<0.2	<0.2	0.8	0.8
						1.0	0.2	26	22.7		8.2		30.0		89.2		6.5		7.1		5		86				<0.2		0.7	
					Middle	3.4	0.2	2	22.7	22.7	8.2	8.2	30.0	30.0	89.5	89.5	6.5		10.3		4		87				<0.2		0.8	
						3.4	0.2	5	22.7		8.2		30.0		89.5		6.5		10.9		4		86				<0.2		0.8	
					Bottom	5.7	0.2	29	22.7	22.7	8.2	8.2	30.0	30.0	90.3	90.4	6.6	6.6	10.4		3		87				<0.2		0.8	
						5.7	0.2	31	22.7		8.2		30.0		90.5		6.6		10.4		3		87				<0.2		0.8	
IM2	Cloudy	Moderate	10:43	7.1	Surface	1.0	0.3	13	22.7	22.7	8.2	8.2	29.9	29.9	87.2	87.3	6.3	6.4	8.6	8.4	4	4	85	86	818830	806206	<0.2	<0.2	0.8	0.8
						1.0	0.3	17	22.7		8.2		29.9		87.4		6.4		8.9		4		86				<0.2		0.9	
					Middle	3.6	0.3	31	22.7	22.7	8.2	8.2	29.9	29.9	88.1	88.1	6.4		7.5		5		86				<0.2		0.8	
						3.6	0.3	24	22.7		8.2		29.9		88.0		6.4		7.8		4		86				<0.2		0.8	
					Bottom	6.1	0.3	16	22.7	22.7	8.2	8.2	30.0	30.0	87.3	87.3	6.3	6.3	8.8		4		87				<0.2		0.8	
						6.1	0.3	15	22.7		8.2		30.0		87.3		6.3		8.9		3		87				<0.2		0.8	
IM3	Cloudy	Moderate	10:48	8.0	Surface	1.0	0.3	5	22.7	22.7	8.2	8.2	29.8	29.8	87.7	87.7	6.4	6.4	5.7	6.1	4	4	85	87	819393	806027	<0.2	<0.2	0.9	0.8
						1.0	0.3	6	22.7		8.2		29.8		87.7		6.4		5.6		5		86				<0.2		0.8	
					Middle	4.0	0.2	26	22.7	22.7	8.2	8.2	29.7	29.8	87.3	87.3	6.3		7.1		4		87				<0.2		0.8	
						4.0	0.3	28	22.7		8.2		29.8		87.3		6.3		7.2		3		88				<0.2		0.8	
					Bottom	7.0	0.2	40	22.7	22.7	8.2	8.2	29.8	29.8	87.5	87.6	6.4	6.4	5.1		3		88				<0.2		0.8	
						7.0	0.2	41	22.7		8.2		29.8		87.6		6.4		5.8		4		87				<0.2		0.8	
IM4	Cloudy	Moderate	10:53	7.6	Surface	1.0	0.2	0	22.7	22.7	8.2	8.2	29.7	29.7	89.6	89.6	6.5	6.5	5.2	6.3	4	4	85	87	819572	805019	<0.2	<0.2	0.8	0.8
						1.0	0.3	359	22.7		8.2		29.7		89.5		6.5		5.2		5		86				<0.2		0.9	
					Middle	3.8	0.3	28	22.7	22.7	8.2	8.2	29.8	29.8	89.4	89.4	6.5		6.5		4		87				<0.2		0.8	
						3.8	0.3	31	22.7		8.2		29.8		89.4		6.5		6.5		4		87				<0.2		0.8	
					Bottom	6.6	0.3	10	22.7	22.7	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	7.0		3		87				<0.2		0.8	
						6.6	0.3	6	22.7		8.2		29.8		89.4		6.5		7.2		4		88				<0.2		0.8	
IM5	Cloudy	Moderate	10:59	7.2	Surface	1.0	0.3	5	22.7	22.7	8.2	8.2	29.7	29.7	87.9	87.9	6.4	6.4	6.2	8.6	4	4	85	87	820568	804938	<0.2	<0.2	0.8	0.8
						1.0	0.3	5	22.7		8.2		29.7		87.8		6.4		6.6		3		86				<0.2		0.8	
					Middle	3.6	0.3	352	22.6	22.6	8.2	8.2	29.9	29.9	87.0	87.0	6.3		9.0		4		87				<0.2		0.8	
						3.6	0.3	348	22.6		8.2		29.9		86.9		6.3		9.3		3		86				<0.2		0.8	
					Bottom	6.2	0.4	22	22.6	22.6	8.2	8.2	29.9	29.9	86.9	86.9	6.3	6.3	10.3		4		87				<0.2		0.8	
						6.2	0.3	17	22.6		8.2		29.9		86.9		6.3		10.3		5		88				<0.2		0.8	
IM6	Cloudy	Moderate	11:05	7.0	Surface	1.0	0.3	4	22.8	22.8	8.2	8.2	29.3	29.3	88.9	88.9	6.5	6.5	2.3	2.6	4	4	85	87	821051	805824	<0.2	<0.2	0.8	0.9
						1.0	0.2	5	22.8		8.2		29.3		88.9		6.5		2.3		4		86				<0.2		0.8	
					Middle	3.5	0.3	11	22.8	22.8	8.2	8.2	29.5	29.6	88.7	88.7	6.5		2.5		4		87				<0.2		0.9	
						3.5	0.2	9	22.8		8.2		29.6		88.7		6.4		2.6		4		88				<0.2		0.9	
					Bottom	6.0	0.3	25	22.7	22.7	8.2	8.2	29.8	29.8	88.5	88.5	6.4	6.4	2.8		4		88				<0.2		0.8	
						6.0	0.3	17	22.7		8.2		29.8		88.5		6.4		2.9		4		87				<0.2		0.9	
IM7	Cloudy	Moderate	11:09	7.7	Surface	1.0	0.2	4	22.8	22.8	8.2	8.2	28.9	29.0	89.0	89.0	6.5	6.5	1.9	1.9	3	4	85	86	821346	806827	<0.2	<0.2	0.9	0.8
						1.0	0.2	358	22.8		8.2		29.0		88.9		6.5		1.9		4		85				<0.2		0.8	
					Middle	3.9	0.2	27	22.7	22.7	8.2	8.2	29.8	29.9	88.5	88.5	6.4		1.6		3		86				<0.2		0.8	
						3.9	0.2	23	22.7		8.2		29.9		88.5		6.4		1.6		4		86				<0.2		0.9	
					Bottom	6.7	0.2	355	22.6	22.6	8.2	8.2	30.2	30.2	88.9	89.0	6.5	6.5	2.1		4		87				<0.2		0.8	
						6.7	0.1	354	22.6		8.2		30.2		89.1		6.5		2.0		5		87				<0.2		0.8	
IM8	Misty	Moderate	11:04	7.8	Surface	1.0	0.2	333	23.3	23.3	8.1	8.1	29.6	29.6	85.0	85.0	6.2	6.2	2.9	3.3	4	4	44	68	821680	807855	<0.2	<0.2	0.9	0.9
						1.0	0.2	335	23.3		8.1		29.6		85.0		6.2		2.9		3		44				<0.2		1.0	
					Middle	3.9	0.2	330	23.3	23.3	8.1	8.1	29.7	29.7	85.1	85.2	6.2		3.1		3		78				<0.2		0.9	
						3.9	0.2	324	23.3		8.1		29.6		85.2		6.2		3.1		4		78				<0.2		1.0	
					Bottom	6.8	0.2	340	23.2	23.3	8.1	8.1	29.6	29.6	85.4	85.5	6.2	6.2	3.9		4		82				<0.2		0.8	
						6.8	0.2	343	23.3		8.1		29.6		85.6		6.2		3.9		4		82				<0.2		0.8	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 30 November 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	10:50	8.2	Surface	1.0	0.2	321	23.4	23.4	8.1	8.1	29.3	29.4	85.3	85.3	6.2	6.2	2.3	3.1	3	4	43	68	822112	808792	<0.2	<0.2	1.0	1.0
						1.0	0.2	317	23.4		8.1		29.4		85.3		6.2		2.3		3		43				<0.2		0.9	
					Middle	4.1	0.3	302	23.3	23.3	8.1	8.1	29.6	29.6	85.2	85.2	6.2		2.9		4		79				<0.2		0.8	
						4.1	0.3	300	23.3		8.1		29.6		85.2		6.2		2.9		4		79				<0.2		0.9	
					Bottom	7.2	0.3	296	23.3	23.3	8.1	8.1	29.6	29.6	85.3	85.4	6.2	6.2	4.1		5		83				<0.2		1.1	
						7.2	0.3	303	23.3		8.1		29.6		85.4		6.2		4.1		6		83				<0.2		1.0	
IM10	Misty	Moderate	10:35	7.4	Surface	1.0	0.3	285	23.3	23.3	8.1	8.1	29.2	29.2	83.6	83.6	6.1	6.1	2.4	2.8	4	5	48	74	822234	809820	<0.2	<0.2	1.0	0.9
						1.0	0.3	282	23.3		8.1		29.2		83.6		6.1		2.3		4		48				<0.2		1.0	
					Middle	3.7	0.4	293	23.3	23.3	8.1	8.1	29.4	29.4	84.2	84.3	6.1		2.9		4		86				<0.2		0.8	
						3.7	0.4	294	23.3		8.1		29.4		84.3		6.1		2.9		5		86				<0.2		0.9	
					Bottom	6.4	0.3	311	23.3	23.3	8.1	8.1	29.4	29.4	84.8	84.9	6.2	6.2	3.0		5		87				<0.2		0.9	
						6.4	0.3	315	23.3		8.1		29.3		85.0		6.2		3.0		6		87				<0.2		1.0	
IM11	Misty	Moderate	10:23	8.0	Surface	1.0	0.3	298	23.4	23.4	8.1	8.1	29.2	29.3	85.1	85.1	6.2	6.2	2.4	2.8	5	5	52	76	821522	810556	<0.2	<0.2	0.9	0.9
						1.0	0.3	297	23.4		8.1		29.3		85.1		6.2		2.4		6		52				<0.2		0.9	
					Middle	4.0	0.3	279	23.3	23.3	8.1	8.1	29.6	29.6	85.2	85.3	6.2		2.8		5		87				<0.2		0.9	
						4.0	0.3	286	23.3		8.1		29.6		85.3		6.2		2.7		5		87				<0.2		0.9	
					Bottom	7.0	0.3	288	23.3	23.3	8.1	8.1	29.7	29.7	85.8	85.9	6.2	6.2	3.2		4		90				<0.2		1.0	
						7.0	0.4	282	23.3		8.1		29.7		85.9		6.2		3.3		5		90				<0.2		0.9	
IM12	Misty	Moderate	10:16	8.0	Surface	1.0	0.4	276	23.5	23.5	8.1	8.1	29.9	29.9	85.3	85.3	6.2	6.2	2.7	3.1	4	5	45	73	821161	811504	<0.2	<0.2	0.9	0.9
						1.0	0.4	272	23.5		8.1		29.9		85.3		6.2		2.7		4		45				<0.2		1.0	
					Middle	4.0	0.4	304	23.5	23.5	8.1	8.1	29.9	29.9	85.2	85.3	6.2		2.9		4		86				<0.2		0.9	
						4.0	0.4	298	23.5		8.1		29.9		85.3		6.2		2.9		4		86				<0.2		1.0	
					Bottom	7.0	0.4	273	23.4	23.4	8.1	8.1	29.9	29.9	85.9	86.0	6.2	6.2	3.8		6		87				<0.2		0.8	
						7.0	0.3	276	23.4		8.1		29.9		86.0		6.2		3.8		5		87				<0.2		0.8	
SR1A	Misty	Moderate	10:06	5.4	Surface	1.0	0.0	193	23.3	23.3	8.1	8.1	29.9	29.9	89.0	89.1	6.5	6.5	2.0	2.7	6	5	-	-	819974	812656	-	-	-	-
						1.0	0.1	187	23.3		8.1		29.9		89.1		6.5		1.9		5		-				-		-	
					Middle	2.7	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.7	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.0	191	23.3	23.3	8.1	8.1	29.9	29.9	89.4	89.5	6.5	6.5	3.3		5		-				-		-	
						4.4	0.0	187	23.3		8.1		29.9		89.5		6.5		3.4		4		-				-		-	
SR2	Misty	Moderate	09:57	5.2	Surface	1.0	0.1	248	23.5	23.5	8.0	8.1	29.9	29.9	89.7	89.1	6.5	6.5	2.3	2.9	4	4	43	65	821446	814170	<0.2	<0.2	1.0	0.9
						1.0	0.1	255	23.5		8.1		29.9		88.5		6.4		2.4		5		43				<0.2		1.0	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	252	23.5	23.5	8.1	8.1	30.0	30.0	89.1	89.2	6.4	6.5	3.3		3		87				<0.2		0.9	
						4.2	0.1	245	23.5		8.1		30.0		89.2		6.5		3.4		4		87				<0.2		0.8	
SR3	Misty	Moderate	11:18	9.0	Surface	1.0	0.2	349	23.3	23.3	8.1	8.1	29.4	29.4	88.5	88.7	6.4	6.5	2.3	2.6	3	4	-	-	822167	807575	-	-	-	-
						1.0	0.2	341	23.3		8.1		29.4		88.8		6.5		2.3		3		-				-		-	
					Middle	4.5	0.2	345	23.2	23.2	8.1	8.1	29.4	29.5	89.3	89.4	6.5		2.3		4		-				-		-	
						4.5	0.2	350	23.2		8.1		29.5		89.5		6.5		2.3		4		-				-		-	
					Bottom	8.0	0.3	4	23.2	23.2	8.1	8.1	29.5	29.5	90.1	90.2	6.6	6.6	3.1		4		-				-		-	
						8.0	0.3	6	23.2		8.1		29.5		90.3		6.6		3.1		4		-				-		-	
SR4A	Cloudy	Moderate	09:39	8.4	Surface	1.0	0.0	222	22.6	22.6	8.2	8.2	30.4	30.4	86.4	86.4	6.3	6.3	1.9	2.2	4	4	-	-	817178	807794	-	-	-	-
						1.0	0.0	221	22.6		8.2		30.4		86.4		6.3		1.9		3		-				-		-	
					Middle	4.2	-	229	22.6	22.6	8.2	8.2	30.5	30.5	86.2	86.2	6.3		2.2		4		-				-		-	
						4.2	0.0	229	22.6		8.2		30.5		86.2		6.2		2.2		5		-				-		-	
					Bottom	7.4	0.0	216	22.6	22.6	8.2	8.2	30.5	30.5	86.1	86.2	6.2	6.3	2.6		5		-				-		-	
						7.4	0.0	215	22.6		8.2		30.5		86.2		6.3		2.4		5		-				-		-	
SR5A	Cloudy	Moderate	09:23	3.6	Surface	1.0	0.1	305	22.6	22.6	8.2	8.2	30.0	30.0	87.5	87.5	6.4	6.4	1.4	1.4	5	4	-	-	816614	810707	-	-	-	-
						1.0	0.1	304	22.6		8.2		30.0		87.5		6.4		1.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.6	0.2	284	22.6	22.6	8.2	8.2	30.1	30.1	87.6	87.6	6.4	6.4	1.4		4		-				-		-	
						2.6	0.1	278	22.6		8.2		30.1		87.6		6.4		1.4		4		-				-		-	
SR6	Cloudy	Moderate	08:56	4.2	Surface	1.0	0.1	247	22.7	22.7	8.2	8.2	30.0	30.0	85.5	85.5	6.2	6.2	6.9	4.9	3	4	-	-	817882	814641	-	-	-	-
						1.0	0.1	242	22.7		8.2		30.0		85.5		6.2		6.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	242	22.7	22.7	8.2	8.2	30.0	30.0	85.7	85.7	6.2	6.2	2.9		4		-				-		-	
						3.2	0.0	248	22.7		8.2		30.0		85.7		6.2		3.0		4		-				-		-	
SR7	Misty	Moderate	09:12	11.2	Surface	1.0	0.8	234	23.6	23.6	8.1	8.1	28.7	28.7	84.3	84.3	6.1	6.1	2.8	3.0	4	4	-	-	823630	823752	-	-	-	-
						1.0	0.9	232	23.6		8.1		28.7		84.3		6.1		2.8		5		-				-		-	
					Middle	5.6	0.9	236	23.6	23.6	8.1	8.1	28.8	28.8	84.5	84.6	6.1		2.9		4		-				-		-	
						5.6	0.9	243	23.6		8.1		28.8		84.6		6.2		2.9		4		-				-		-	
					Bottom	10.2	0.8	231	23.7	23.7	8.1	8.1	28.9	28.9	86.8	87.1	6.3	6.3	3.3		3		-				-		-	
						10.2	0.8	235	23.7		8.1		28.9		87.4		6.3		3.4		3		-				-		-	
SR8	Misty	Moderate	10:11	4.8	Surface	1.0	-	-	23.5	23.5	8.1	8.1	29.9	29.9	84.6	84.7	6.1	6.1	2.6	3.4	4	4	-	-	820406	811633	-	-	-	-
						1.0	-	-	23.5		8.1		29.9		84.7		6.1		2.6		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	23.4	23.4	8.1	8.1	29.9	29.9	85.4	85.5	6.2	6.2	4.2		4		-				-		-	
						3.8	-	-	23.4		8.1		29.9		85.6		6.2		4.3		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 December 23 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	Fine	Rough	03:20	7.9	Surface	1.0	0.6	218	22.1	22.1	8.2	8.2	30.3	30.3	89.4	89.4	6.6	6.6	3.4	4.5	6	6	83	87	815618	804248	<0.2	<0.2	0.8	0.7
						1.0	0.5	225	22.1		8.2		30.3		89.4		6.6		3.4		7		83				<0.2		0.7	
					Middle	4.0	0.5	229	22.1	22.1	8.2	8.2	30.4	30.4	88.4	88.4	6.5		3.6		5		87				<0.2		0.7	
						4.0	0.5	231	22.1		8.2		30.4		88.4		6.5		3.7		6		87				<0.2		0.8	
					Bottom	6.9	0.5	191	22.2	22.2	8.2	8.2	30.8	30.8	87.4	87.4	6.4	6.4	6.4		6		90				<0.2		0.7	
						6.9	0.5	186	22.2		8.2		30.8		87.4		6.4		6.4		5		90				<0.2		0.7	
C2	Cloudy	Moderate	05:27	12.4	Surface	1.0	0.9	178	22.4	22.4	8.1	8.2	28.4	28.5	88.0	88.0	6.5	6.6	4.3	6.7	3	3	86	88	825701	806954	<0.2	<0.2	1.6	1.4
						1.0	0.9	173	22.4		8.2		28.5		87.9		6.5		4.5		3		87				<0.2		1.5	
					Middle	6.2	0.9	162	22.2	22.2	8.2	8.2	28.6	28.6	88.3	88.4	6.6		5.7		3		87				<0.2		1.6	
						6.2	0.9	165	22.2		8.2		28.6		88.4		6.6		6.2		3		85				<0.2		1.6	
					Bottom	11.4	1.0	167	22.3	22.3	8.2	8.2	28.6	28.6	90.7	90.9	6.7	6.8	9.8		3		90				<0.2		1.1	
						11.4	1.0	169	22.3		8.2		28.6		91.0		6.8		9.8		3		90				<0.2		1.1	
C3	Cloudy	Moderate	03:37	12.0	Surface	1.0	0.5	69	22.9	22.9	8.1	8.1	29.6	29.6	81.8	81.8	6.0	6.0	2.8	5.2	3	3	84	87	822108	817817	<0.2	<0.2	1.1	1.1
						1.0	0.5	69	22.9		8.1		29.6		81.8		6.0		2.9		3		85				<0.2		1.1	
					Middle	6.0	0.5	66	22.9	22.9	8.1	8.1	29.7	29.7	81.1	81.1	5.9		7.0		3		86				<0.2		1.2	
						6.0	0.5	67	22.9		8.1		29.7		81.1		5.9		7.0		3		87				<0.2		1.1	
					Bottom	11.0	0.5	71	22.9	22.9	8.1	8.1	29.7	29.7	80.2	80.0	5.9	5.9	5.4		4		90				<0.2		1.1	
						11.0	0.5	74	22.9		8.1		29.7		79.8		5.9		6.0		3		91				<0.2		1.1	
IM1	Fine	Rough	03:37	7.1	Surface	1.0	0.5	201	22.2	22.2	8.2	8.2	30.2	30.2	88.9	88.9	6.5	6.5	2.3	2.6	5	4	82	86	818336	806445	<0.2	<0.2	0.7	0.7
						1.0	0.5	204	22.2		8.2		30.2		88.9		6.5		2.3		4		82				<0.2		0.7	
					Middle	3.6	0.5	196	22.2	22.2	8.2	8.2	30.2	30.2	87.3	87.3	6.4		2.6		5		86				<0.2		0.7	
						3.6	0.5	194	22.2		8.2		30.2		87.3		6.4		2.6		5		86				<0.2		0.7	
					Bottom	6.1	0.5	190	22.1	22.1	8.2	8.2	30.3	30.3	87.2	87.3	6.4	6.4	2.8		4		91				<0.2		0.7	
						6.1	0.5	195	22.1		8.2		30.3		87.3		6.4		2.9		3		91				<0.2		0.8	
IM2	Fine	Rough	03:49	7.3	Surface	1.0	0.5	204	22.2	22.2	8.2	8.2	30.1	30.1	87.3	87.3	6.4	6.4	3.1	2.7	4	4	82	86	818850	806190	<0.2	<0.2	0.8	0.8
						1.0	0.5	196	22.2		8.2		30.1		87.3		6.4		3.1		4		83				<0.2		0.8	
					Middle	3.7	0.5	206	22.2	22.2	8.2	8.2	30.2	30.2	87.2	87.2	6.4		2.4		4		86				<0.2		0.8	
						3.7	0.4	199	22.2		8.2		30.2		87.2		6.4		2.4		5		86				<0.2		0.8	
					Bottom	6.3	0.5	188	22.2	22.2	8.2	8.2	30.2	30.2	86.5	86.5	6.3	6.3	2.5		4		90				<0.2		0.8	
						6.3	0.5	194	22.2		8.2		30.2		86.5		6.3		2.5		4		90				<0.2		0.8	
IM3	Fine	Rough	04:02	7.5	Surface	1.0	0.5	211	22.2	22.2	8.2	8.2	30.0	30.0	87.3	87.3	6.4	6.4	3.1	5.0	5	5	83	87	819423	806013	<0.2	<0.2	0.8	0.8
						1.0	0.5	205	22.2		8.2		30.0		87.3		6.4		3.1		5		83				<0.2		0.8	
					Middle	3.8	0.5	204	22.2	22.2	8.2	8.2	30.0	30.0	87.1	87.2	6.4		3.8		4		88				<0.2		0.8	
						3.8	0.5	208	22.2		8.2		30.0		87.2		6.4		3.8		7		88				<0.2		0.8	
					Bottom	6.5	0.5	183	22.2	22.2	8.2	8.2	30.1	30.1	86.8	86.8	6.4	6.4	8.2		5		90				<0.2		0.8	
						6.5	0.5	190	22.2		8.2		30.1		86.8		6.4		8.2		5		91				<0.2		0.9	
IM4	Fine	Rough	04:17	7.7	Surface	1.0	0.6	186	22.2	22.2	8.2	8.2	29.8	29.8	89.4	89.4	6.5	6.5	2.8	3.0	4	5	87	87	819555	805042	<0.2	<0.2	0.9	0.8
						1.0	0.6	187	22.2		8.2		29.8		89.4		6.5		2.8		5		83				<0.2		0.8	
					Middle	3.9	0.5	184	22.2	22.2	8.2	8.2	29.8	29.8	87.2	87.2	6.4		2.9		5		86				<0.2		0.8	
						3.9	0.4	178	22.2		8.2		29.8		87.2		6.4		2.9		6		87				<0.2		0.8	
					Bottom	6.7	0.5	171	22.2	22.2	8.2	8.2	30.1	30.1	87.0	87.0	6.4	6.4	3.3		6		90				<0.2		0.6	
						6.7	0.5	177	22.2		8.2		30.1		87.0		6.4		3.3		5		91				<0.2		0.7	
IM5	Fine	Rough	04:34	7.2	Surface	1.0	0.5	199	22.2	22.2	8.2	8.2	30.3	30.3	89.5	89.5	6.6	6.5	3.8	6.1	6	6	87	88	820562	804926	<0.2	<0.2	0.7	0.7
						1.0	0.5	192	22.2		8.2		30.2		89.5		6.6		3.7		6		83				<0.2		0.7	
					Middle	3.6	0.6	174	22.2	22.2	8.2	8.2	30.3	30.4	86.4	86.4	6.3		6.3		6		87				<0.2		0.6	
						3.6	0.6	177	22.2		8.2		30.4		86.4		6.3		6.2		6		87				<0.2		0.7	
					Bottom	6.2	0.5	175	22.2	22.2	8.2	8.2	30.4	30.4	86.2	86.2	6.3	6.3	8.2		5		91				<0.2		0.8	
						6.2	0.5	168	22.2		8.2		30.4		86.2		6.3		8.3		5		91				<0.2		0.8	
IM6	Fine	Rough	04:44	7.6	Surface	1.0	0.5	188	22.3	22.3	8.2	8.2	29.2	29.2	87.8	87.8	6.4	6.4	1.6	4.0	4	4	83	87	821043	805823	<0.2	<0.2	0.9	0.9
						1.0	0.5	186	22.3		8.2		29.2		87.7		6.4		1.5		4		83				<0.2		0.9	
					Middle	3.8	0.4	212	22.3	22.3	8.2	8.2	29.2	29.2	87.4	87.4	6.4		3.5		3		87				<0.2		0.9	
						3.8	0.4	209	22.3		8.2		29.2		87.4		6.4		3.5		4		87				<0.2		1.0	
					Bottom	6.6	0.5	203	22.3	22.3	8.2	8.2	29.5	29.5	86.5	86.6	6.3	6.4	6.8		5		90				<0.2		1.0	
						6.6	0.5	201	22.3		8.2		29.5		86.6		6.4		6.8		5		91				<0.2		0.9	
IM7	Fine	Rough	04:57	8.2	Surface	1.0	0.4	202	22.2	22.2	8.2	8.2	29.0	29.0	88.4	88.4	6.5	6.5	2.3	2.4	4	4	82	87	821335	806819	<0.2	<0.2	1.1	1.0
						1.0	0.5	197	22.2		8.2		29.0		88.4		6.5		2.3		3		83				<0.2		1.0	
					Middle	4.1	0.4	226	22.2	22.2	8.2	8.2	29.0	29.0	87.6	87.6	6.4		2.2		4		86				<0.2		1.0	
						4.1	0.4	221	22.2		8.2		29.0		87.5		6.4		2.3		4		86				<0.2		1.0	
					Bottom	7.2	0.5	216	22.3	22.3	8.2	8.2	29.4	29.4	86.8	86.8	6.4	6.4	2.6		5		91				<0.2		1.0	
						7.2	0.5	211	22.3		8.2		29.4		86.8		6.4		2.6		4		91				<0.2		1.0	
IM8	Cloudy	Moderate	05:02	7.2	Surface	1.0	0.6	194	22.4	22.4	8.2	8.2	28.3	28.3	89.4	89.4	6.7	6.7	2.2	3.1	3	3	86	88	821694	807833	<0.2	<0.2	1.0	1.0
						1.0	0.5	188	22.3		8.2		28.3		89.3		6.7		2.3		3		86				<0.2		1.1	
					Middle	3.6	0.5	202	22.2	22.2	8.2	8.2	28.8	28.9	89.0	89.0	6.6		3.2		3		88				<0.2		1.0	
						3.6	0.5	201	22.2		8.2		28.9		89.0		6.6		3.4		4		88				<0.2		1.0	
					Bottom	6.2	0.6	169	22.2	22.2	8.2	8.2	29.1	29.1	89.2	89.3	6.6	6.7	3.7		3		89				<0.2		1.0	
						6.2	0.6	170	22.2		8.2		29.1		89.3		6.7		3.7		4		92				<0.2		1.0	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	04:57	6.8	Surface	1.0	0.6	156	22.3	22.3	8.2	8.2	28.3	28.3	89.7	89.7	6.7	6.7	1.9	2.5	3	3	85	87	822075	808811	<0.2	<0.2	1.1	1.2
						1.0	0.6	155	22.3		8.2		28.3		89.7		6.7		2.0		3		86				<0.2		1.1	
					Middle	3.4	0.6	143	22.3	22.3	8.2	8.2	28.3	28.4	89.6	89.6	6.7		2.4		3		87				<0.2		1.3	
						3.4	0.6	147	22.3		8.2		28.4		89.6		6.7		2.5		3		84				<0.2		1.2	
					Bottom	5.8	0.6	158	22.2	22.2	8.2	8.2	28.5	28.5	89.6	89.6	6.7	6.7	3.0		4		90				<0.2		1.3	
						5.8	0.6	153	22.2		8.2		28.5		89.6		6.7		3.2		3		89				<0.2		1.2	
IM10	Cloudy	Moderate	04:50	6.8	Surface	1.0	0.6	125	22.4	22.4	8.2	8.2	28.1	28.1	89.6	89.6	6.7	6.7	1.7	2.7	3	3	85	87	822237	809851	<0.2	<0.2	1.3	1.2
						1.0	0.6	124	22.4		8.2		28.1		89.6		6.7		1.8		3		85				<0.2		1.2	
					Middle	3.4	0.6	122	22.3	22.3	8.2	8.2	28.3	28.4	88.9	88.9	6.6		2.4		3		87				<0.2		1.2	
						3.4	0.6	127	22.2		8.2		28.4		88.9		6.6		2.6		3		87				<0.2		1.2	
					Bottom	5.8	0.6	122	22.2	22.2	8.2	8.2	28.5	28.5	88.6	88.6	6.6	6.6	3.7		3		88				<0.2		1.3	
						5.8	0.6	115	22.2		8.2		28.5		88.6		6.6		3.7		3		91				<0.2		1.2	
IM11	Cloudy	Moderate	04:46	7.1	Surface	1.0	0.6	87	22.3	22.3	8.2	8.2	28.1	28.1	90.0	90.0	6.7	6.7	1.8	2.7	4	4	85	86	821488	810536	<0.2	<0.2	1.3	1.2
						1.0	0.6	85	22.3		8.2		28.1		90.0		6.7		1.8		3		85				<0.2		1.2	
					Middle	3.6	0.6	83	22.3	22.3	8.2	8.2	28.4	28.4	90.0	90.0	6.7		2.7		4		86				<0.2		1.1	
						3.6	0.6	84	22.2		8.2		28.4		90.0		6.7		2.8		4		84				<0.2		1.2	
					Bottom	6.1	0.6	104	22.2	22.2	8.2	8.2	28.4	28.5	90.8	90.9	6.8	6.8	3.4		4		89				<0.2		1.1	
						6.1	0.6	96	22.2		8.2		28.5		91.0		6.8		3.5		4		88				<0.2		1.0	
IM12	Cloudy	Moderate	04:23	8.2	Surface	1.0	0.7	97	22.2	22.2	8.1	8.1	28.4	28.4	89.1	89.1	6.6	6.6	2.4	2.4	4	4	84	87	821178	811532	<0.2	<0.2	1.1	1.1
						1.0	0.7	95	22.2		8.1		28.4		89.1		6.6		2.4		3		85				<0.2		1.0	
					Middle	4.1	0.7	85	22.2	22.2	8.1	8.1	28.4	28.5	89.3	89.4	6.6		2.5		4		87				<0.2		1.1	
						4.1	0.7	88	22.2		8.1		28.5		89.4		6.7		2.5		4		86				<0.2		1.2	
					Bottom	7.2	0.7	116	22.2	22.2	8.1	8.1	28.5	28.5	90.9	91.1	6.8	6.8	2.4		4		87				<0.2		1.2	
						7.2	0.7	109	22.2		8.1		28.5		91.2		6.8		2.4		3		90				<0.2		1.2	
SR1A	Cloudy	Moderate	03:57	4.9	Surface	1.0	-	-	22.3	22.3	8.1	8.1	28.3	28.3	87.8	87.9	6.5	6.5	1.9	2.0	4	4	-	-	819974	812662	-	-	-	-
						1.0	-	-	22.3		8.1		28.3		87.9		6.5		1.9		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	-	-	22.2	22.2	8.1	8.1	28.4	28.4	89.5	89.7	6.7	6.7	2.1		3		-				-		-	
						3.9	-	-	22.2		8.1		28.4		89.8		6.7		2.1		4		-				-		-	
SR2	Cloudy	Moderate	03:42	4.7	Surface	1.0	0.6	49	22.5	22.5	8.1	8.1	28.9	28.9	85.2	85.2	6.3	6.3	2.1	2.3	4	4	85	87	821440	814165	<0.2	<0.2	1.0	1.2
						1.0	0.6	46	22.5		8.1		28.9		85.1		6.3		2.1		4		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.7	0.6	27	22.5	22.5	8.1	8.1	29.0	29.0	84.9	84.9	6.3	6.3	2.5		4		88				<0.2		1.2	
						3.7	0.6	33	22.5		8.1		29.0		84.9		6.3		2.5		4		87				<0.2		1.3	
SR3	Cloudy	Moderate	05:06	8.2	Surface	1.0	0.7	156	22.5	22.5	8.2	8.2	28.2	28.2	89.5	89.5	6.6	6.6	2.4	3.4	4	4	-	-	822139	807547	-	-	-	-
						1.0	0.7	163	22.4		8.2		28.2		89.4		6.6		2.5		4		-				-		-	
					Middle	4.1	0.7	177	22.2	22.2	8.2	8.2	28.6	28.6	89.2	89.2	6.6		3.7		3		-				-		-	
						4.1	0.7	173	22.2		8.2		28.6		89.2		6.6		3.7		4		-				-		-	
					Bottom	7.2	0.7	149	22.2	22.2	8.2	8.2	28.7	28.8	90.6	90.7	6.7	6.7	4.1		4		-				-		-	
						7.2	0.7	153	22.2		8.2		28.8		90.8		6.7		4.1		4		-				-		-	
SR4A	Fine	Rough	02:58	10.3	Surface	1.0	0.0	86	22.1	22.1	8.2	8.2	30.1	30.1	86.1	86.1	6.3	6.3	3.3	3.4	6	6	-	-	817204	807812	-	-	-	-
						1.0	0.0	83	22.1		8.2		30.1		86.1		6.3		3.2		6		-				-		-	
					Middle	5.2	0.0	93	22.1	22.1	8.2	8.2	30.1	30.1	85.9	85.9	6.3		3.3		6		-				-		-	
						5.2	0.1	87	22.1		8.2		30.1		85.9		6.3		3.3		7		-				-		-	
					Bottom	9.3	0.0	96	22.0	22.0	8.2	8.2	30.2	30.2	86.0	86.1	6.3	6.3	3.7		6		-				-		-	
						9.3	0.0	100	22.0		8.2		30.2		86.1		6.3		3.7		6		-				-		-	
SR5A	Fine	Rough	02:43	4.8	Surface	1.0	0.2	120	22.2	22.2	8.2	8.2	30.0	30.0	86.3	86.3	6.3	6.3	2.8	3.3	8	8	-	-	816582	810684	-	-	-	-
						1.0	0.3	121	22.2		8.2		30.0		86.3		6.3		2.9		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	0.3	106	22.2	22.2	8.2	8.2	30.0	30.0	86.6	86.6	6.3	6.3	3.7		5		-				-		-	
						3.8	0.3	101	22.2		8.2		30.0		86.6		6.3		3.7		6		-				-		-	
SR6	Fine	Rough	02:19	5.2	Surface	1.0	0.2	66	22.0	22.0	8.1	8.1	29.9	29.9	87.3	87.3	6.4	6.4	2.9	3.2	8	8	-	-	817900	814684	-	-	-	-
						1.0	0.1	64	22.0		8.1		29.9		87.3		6.4		3.0		6		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	57	21.9	21.9	8.1	8.1	29.9	29.9	87.4	87.5	6.4	6.4	3.4		8		-				-		-	
						4.2	0.2	56	21.9		8.1		29.9		87.5		6.4		3.4		9		-				-		-	
SR7	Cloudy	Moderate	02:57	16.5	Surface	1.0	1.1	57	22.9	22.9	8.1	8.1	29.7	29.7	80.9	80.9	5.9	5.9	2.9	5.0	4	4	-	-	823643	823748	-	-	-	-
						1.0	1.1	58	22.9		8.1		29.7		80.9		5.9		2.9		4		-				-		-	
					Middle	8.3	1.0	79	22.9	22.9	8.1	8.1	29.8	29.8	80.9	80.9	5.9		3.3		4		-				-		-	
						8.3	1.0	81	22.9		8.1		29.8		80.9		5.9		3.3		5		-				-		-	
					Bottom	15.5	1.0	86	22.9	22.9	8.1	8.1	29.9	29.9	79.2	79.2	5.8	5.8	8.4		4		-				-		-	
						15.5	1.0	91	22.9		8.1		29.8		79.2		5.8		9.3		3		-				-		-	
SR8	Cloudy	Moderate	04:18	5.8	Surface	1.0	-	-	22.3	22.3	8.1	8.1	28.5	28.5	88.5	88.5	6.6	6.6	2.6	2.8	4	4	-	-	820405	811622	-	-	-	-
						1.0	-	-	22.3		8.1		28.5		88.5		6.6		2.8		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.8	-	-	22.3	22.3	8.1	8.1	28.5	28.6	89.5	89.6	6.6	6.7	2.9		5		-				-		-	
						4.8	-	-	22.3		8.1		28.6		89.7		6.7		2.9		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Fine	Rough	15:59	7.3	Surface	1.0	0.0	75	22.3	22.3	8.2	8.2	31.0	31.0	88.4	88.4	6.4	6.4	8.1	8.1	12	12	82	86	815641	804255	<0.2	<0.2	0.6	0.6
						1.0	0.0	80	22.3		8.2		31.0		88.4		6.4				13		83				<0.2		0.7	
					Middle	3.7	0.0	69	22.3	22.3	8.2	8.2	31.0	31.0	88.4	88.4	6.4		6.9		12		86				<0.2		0.6	
						3.7	0.0	62	22.3		8.2		31.0		88.4		6.4		7.0		12		86				<0.2		0.6	
					Bottom	6.3	0.1	93	22.3	22.3	8.2	8.2	31.1	31.1	87.8	87.8	6.4	6.4	9.4		12		90				<0.2		0.5	
						6.3	0.1	94	22.3		8.2		31.1		87.8		6.4		9.4		11		90				<0.2		0.6	
C2	Cloudy	Moderate	14:24	12.3	Surface	1.0	0.1	338	23.0	23.0	8.1	8.1	27.5	27.5	87.1	87.0	6.4	6.3	6.9	8.2	4	3	85	87	825702	806965	<0.2	<0.2	1.1	1.1
						1.0	0.2	344	23.0		8.1		27.5		86.9		6.4		6.9		4		85				<0.2		1.1	
					Middle	6.2	0.1	10	23.2	23.2	8.1	8.1	27.9	27.9	84.9	84.9	6.2		7.7		3		87				<0.2		1.1	
						6.2	0.2	11	23.2		8.1		27.9		84.8		6.2		7.7		3		87				<0.2		1.1	
					Bottom	11.3	0.1	327	23.2	23.2	8.1	8.1	27.9	27.9	84.6	84.6	6.2	6.2	10.0		3		88				<0.2		1.1	
						11.3	0.1	334	23.2		8.1		27.9		84.6		6.2		10.1		3		91				<0.2		1.2	
C3	Cloudy	Moderate	16:20	8.2	Surface	1.0	0.0	99	23.3	23.3	8.1	8.1	29.3	29.3	82.5	82.6	5.9	6.0	1.6	4.0	3	3	85	88	822129	817792	<0.2	<0.2	1.0	1.1
						1.0	0.0	92	23.3		8.1		29.3		82.6		6.0		1.7		3		86				<0.2		1.0	
					Middle	4.1	0.0	87	23.3	23.3	8.1	8.1	29.4	29.4	83.3	83.5	6.0		2.1		3		87				<0.2		1.1	
						4.1	0.0	81	23.3		8.1		29.4		83.6		6.0		2.2		3		88				<0.2		1.1	
					Bottom	7.2	0.1	99	23.3	23.3	8.1	8.1	29.4	29.4	85.8	86.2	6.2	6.2	8.5		3		90				<0.2		1.2	
						7.2	0.0	95	23.3		8.1		29.4		86.6		6.2		8.0		3		89				<0.2		1.2	
IM1	Fine	Rough	15:37	6.2	Surface	1.0	0.1	36	22.2	22.2	8.2	8.2	30.3	30.6	88.4	88.4	6.5	6.5	5.1	6.7	9	9	82	86	818365	806474	<0.2	<0.2	0.6	0.6
						1.0	0.1	36	22.2		8.2		30.8		88.4		6.5		5.1		10		82				<0.2		0.5	
					Middle	3.1	0.1	39	22.2	22.2	8.2	8.2	30.6	30.7	88.5	88.5	6.5		6.4		8		86				<0.2		0.6	
						3.1	0.0	35	22.2		8.2		30.7		88.5		6.5		6.4		9		86				<0.2		0.6	
					Bottom	5.2	0.0	40	22.2	22.2	8.2	8.2	30.7	30.8	88.3	88.4	6.4	6.4	8.4		9		91				<0.2		0.5	
						5.2	0.0	46	22.2		8.2		30.8		88.4		6.4		8.5		6		91				<0.2		0.5	
IM2	Fine	Rough	15:25	6.6	Surface	1.0	0.1	26	22.2	22.2	8.2	8.2	30.7	30.7	88.8	88.8	6.5	6.5	2.1	3.2	6	6	82	87	818843	806214	<0.2	<0.2	0.6	0.6
						1.0	0.1	32	22.2		8.2		30.7		88.8		6.5		2.1		6		83				<0.2		0.6	
					Middle	3.3	0.2	36	22.2	22.2	8.2	8.2	30.5	30.5	87.8	87.8	6.4		3.4		6		87				<0.2		0.5	
						3.3	0.2	30	22.2		8.2		30.5		87.8		6.4		3.5		6		87				<0.2		0.6	
					Bottom	5.6	0.2	29	22.2	22.2	8.2	8.2	30.4	30.7	87.6	87.6	6.4	6.4	4.2		7		90				<0.2		0.6	
						5.6	0.2	31	22.2		8.2		31.0		87.6		6.4		4.1		6		90				<0.2		0.5	
IM3	Fine	Rough	15:11	6.8	Surface	1.0	0.1	29	22.1	22.1	8.2	8.2	30.5	30.5	88.4	88.4	6.5	6.5	4.5	4.9	7	6	83	86	819414	806031	<0.2	<0.2	0.6	0.6
						1.0	0.1	23	22.1		8.2		30.5		88.4		6.5		4.5		6		83				<0.2		0.6	
					Middle	3.4	0.1	45	22.1	22.1	8.2	8.2	30.5	30.5	88.3	88.3	6.5		5.1		6		86				<0.2		0.6	
						3.4	0.1	51	22.1		8.2		30.5		88.2		6.5		5.1		5		86				<0.2		0.6	
					Bottom	5.8	0.1	35	22.1	22.1	8.2	8.2	30.4	30.4	88.1	88.1	6.4	6.4	5.2		5		90				<0.2		0.6	
						5.8	0.1	38	22.1		8.2		30.4		88.1		6.4		5.2		4		90				<0.2		0.6	
IM4	Fine	Rough	14:56	7.4	Surface	1.0	0.1	55	22.1	22.1	8.2	8.2	30.4	30.4	88.7	88.7	6.5	6.5	4.0	3.9	5	6	83	87	819598	805036	<0.2	<0.2	0.6	0.6
						1.0	0.1	49	22.1		8.2		30.4		88.7		6.5		4.1		6		83				<0.2		0.6	
					Middle	3.7	0.1	32	22.1	22.1	8.2	8.2	30.5	30.5	89.2	89.2	6.5		3.7		6		87				<0.2		0.6	
						3.7	0.1	29	22.1		8.2		30.5		89.2		6.5		3.6		6		87				<0.2		0.6	
					Bottom	6.4	0.1	39	22.1	22.1	8.2	8.2	30.5	30.5	89.6	89.7	6.6	6.6	3.9		7		90				<0.2		0.6	
						6.4	0.2	37	22.1		8.2		30.5		89.8		6.6		3.9		5		90				<0.2		0.6	
IM5	Fine	Rough	14:46	7.2	Surface	1.0	0.1	43	22.2	22.2	8.2	8.2	30.0	30.9	90.4	90.5	6.6	6.5	3.1	4.4	6	5	83	87	820564	804900	<0.2	<0.2	0.8	0.8
						1.0	0.2	36	22.2		8.2		31.7		90.5		6.6		3.1		5		83				<0.2		0.8	
					Middle	3.6	0.1	18	22.2	22.2	8.2	8.2	30.6	30.5	87.3	87.4	6.4		4.5		5		87				<0.2		0.7	
						3.6	0.1	20	22.2		8.2		30.4		87.4		6.4		4.4		4		87				<0.2		0.8	
					Bottom	6.2	0.1	36	22.2	22.2	8.2	8.2	30.5	30.5	86.8	86.8	6.3	6.3	5.7		5		90				<0.2		0.8	
						6.2	0.1	30	22.2		8.2		30.5		86.8		6.3		5.7		4		90				<0.2		0.8	
IM6	Fine	Rough	14:32	7.1	Surface	1.0	0.2	36	22.3	22.3	8.2	8.2	29.5	29.5	89.3	89.3	6.6	6.5	1.4	1.7	2	3	82	86	821054	805819	<0.2	<0.2	0.8	0.8
						1.0	0.1	40	22.3		8.2		29.4		89.2		6.5		1.5		3		83				<0.2		0.8	
					Middle	3.6	0.1	24	22.3	22.3	8.2	8.2	29.5	29.5	88.5	88.5	6.5		1.3		6		86				<0.2		0.8	
						3.6	0.2	24	22.3		8.2		29.5		88.5		6.5		1.3		3		87				<0.2		0.8	
					Bottom	6.1	0.1	59	22.3	22.3	8.2	8.2	30.4	30.4	87.3	87.3	6.4	6.4	2.2		3		90				<0.2		0.8	
						6.1	0.2	64	22.3		8.2		30.4		87.3		6.4		2.2		3		90				<0.2		0.8	
IM7	Fine	Rough	14:19	7.8	Surface	1.0	0.2	32	22.2	22.2	8.2	8.2	28.9	28.9	88.6	88.6	6.5	6.5	1.9	3.3	3	3	83	87	821355	806832	<0.2	<0.2	0.9	0.9
						1.0	0.2	28	22.2		8.2		28.9		88.6		6.5		1.9		4		83				<0.2		0.9	
					Middle	3.9	0.2	35	22.3	22.3	8.2	8.2	29.1	29.1	87.7	87.7	6.5		3.6		4		87				<0.2		0.9	
						3.9	0.2	36	22.3		8.2		29.1		87.7		6.5		3.6		3		87				<0.2		0.8	
					Bottom	6.8	0.1	32	22.3	22.3	8.2	8.2	29.4	29.4	87.6	87.7	6.4	6.4	4.2		2		90				<0.2		0.8	
						6.8	0.1	36	22.3		8.2		29.4		87.7		6.4		4.3		3		90				<0.2		0.8	
IM8	Cloudy	Moderate	14:57	7.2	Surface	1.0	0.1	25	22.9	22.9	8.2	8.2	28.4	28.4	87.8	87.8	6.4	6.4	10.1	10.8	2	2	85	87	821713	807838	<0.2	<0.2	1.2	1.2
						1.0	0.2	21	22.9		8.2		28.4		87.7		6.4		10.2		3		86				<0.2		1.2	
					Middle	3.6	0.1	40	22.9	22.9	8.2	8.2	28.5	28.5	86.9	86.9	6.3		12.6		2		86				<0.2		1.1	
						3.6	0.1	41	22.8		8.2		28.5		86.8		6.3		12.5		2		84				<0.2		1.1	
					Bottom	6.2	0.2	48	22.8	22.8	8.2	8.2	28.4	28.4	87.7	87.7	6.4	6.4	9.8		2		90				<0.2		1.1	
						6.2	0.2	54	22.8		8.2		28.4		87.7		6.4		9.7		2		89				<0.2		1.2	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 02 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Cloudy	Moderate	15:02	8.0	Surface	1.0	0.1	32	22.9	22.9	8.2	8.2	28.5	28.5	87.7	87.7	6.4	6.4	2.6	4.0	2	2	85	88	822083	808829	<0.2	<0.2	1.2	1.1
						1.0	0.1	29	22.9		8.2		28.5		87.7		6.4		2.7			2	86				<0.2		1.2	
					Middle	4.0	0.2	15	22.9	22.9	8.2	8.2	28.5	28.5	88.2	88.3	6.4		3.0		2		88				<0.2		1.1	
						4.0	0.2	14	22.9		8.2		28.5		88.3		6.5		3.1		3		87				<0.2		1.2	
					Bottom	7.0	0.1	41	22.8	22.8	8.2	8.2	28.4	28.4	89.7	89.8	6.6	6.6	6.2		2		88				<0.2		1.0	
						7.0	0.1	36	22.8		8.2		28.4		89.9		6.6		6.2		2		91				<0.2		1.1	
IM10	Cloudy	Moderate	15:07	7.7	Surface	1.0	0.1	9	22.9	22.9	8.2	8.2	28.5	28.5	87.2	87.2	6.4	6.4	2.7	3.1	3	2	86	88	822262	809820	<0.2	<0.2	1.1	1.1
						1.0	0.1	14	22.9		8.2		28.5		87.2		6.4		2.7		2		87				<0.2		1.0	
					Middle	3.9	0.1	9	22.9	22.9	8.2	8.2	28.5	28.5	87.5	87.6	6.4		3.0		2		87				<0.2		1.1	
						3.9	0.1	8	22.9		8.2		28.5		87.6		6.4		3.0		3		85				<0.2		1.0	
					Bottom	6.7	0.0	20	22.8	22.8	8.2	8.2	28.5	28.5	89.2	89.3	6.5	6.5	3.6		2		90				<0.2		1.1	
						6.7	0.0	12	22.8		8.2		28.5		89.3		6.5		3.5		2		90				<0.2		1.2	
IM11	Cloudy	Moderate	15:14	7.7	Surface	1.0	0.0	25	23.0	23.0	8.2	8.2	28.5	28.5	87.6	87.6	6.4	6.4	2.4	2.5	2	3	84	88	821500	810533	<0.2	<0.2	1.1	1.1
						1.0	0.0	20	23.0		8.2		28.5		87.6		6.4		2.4		3		86				<0.2		1.1	
					Middle	3.9	0.1	28	23.0	23.0	8.2	8.2	28.6	28.6	87.5	87.5	6.4		2.5		3		87				<0.2		1.0	
						3.9	0.1	24	23.0		8.2		28.6		87.5		6.4		2.5		2		88				<0.2		1.1	
					Bottom	6.7	0.0	48	23.0	23.0	8.2	8.2	28.6	28.6	88.3	88.4	6.4	6.4	2.7		3		91				<0.2		1.1	
						6.7	0.0	41	22.9		8.2		28.6		88.5		6.4		2.7		2		91				<0.2		1.1	
IM12	Cloudy	Moderate	15:23	8.2	Surface	1.0	0.1	66	23.0	23.0	8.1	8.1	28.5	28.5	86.9	87.0	6.3	6.4	3.1	5.0	2	3	86	87	821171	811537	<0.2	<0.2	1.0	1.1
						1.0	0.0	69	23.0		8.1		28.5		87.0		6.3		3.2		2		87				<0.2		1.0	
					Middle	4.1	0.1	83	22.9	22.9	8.2	8.2	28.5	28.5	87.7	87.9	6.4		3.4		2		88				<0.2		1.2	
						4.1	0.1	79	22.9		8.2		28.5		88.0		6.4		3.5		3		88				<0.2		1.1	
					Bottom	7.2	0.1	99	22.9	22.9	8.2	8.2	28.5	28.5	89.3	89.4	6.5	6.5	8.5		3		85				<0.2		1.2	
						7.2	0.1	100	22.9		8.2		28.5		89.5		6.5		8.4		3		85				<0.2		1.1	
SR1A	Cloudy	Moderate	15:46	5.2	Surface	1.0	-	-	22.9	22.9	8.2	8.2	28.4	28.4	86.8	86.9	6.3	6.3	3.4	3.5	4	4	-	-	819974	812654	-	-	-	-
						1.0	-	-	22.9		8.2		28.4		86.9		6.3		3.4		4		-				-		-	
					Middle	2.6	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.6	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	-	-	22.8	22.8	8.2	8.2	28.4	28.4	87.8	88.0	6.4	6.4	3.6		4		-				-		-	
						4.2	-	-	22.8		8.2		28.4		88.1		6.4		3.7		3		-				-		-	
SR2	Cloudy	Moderate	15:59	5.2	Surface	1.0	0.1	43	23.1	23.1	8.1	8.1	28.6	28.6	86.7	86.8	6.3	6.3	2.0	2.0	3	3	87	88	821456	814177	<0.2	<0.2	1.1	1.1
						1.0	0.1	49	23.1		8.1		28.6		86.8		6.3		2.0		3		87				<0.2		1.1	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	49	23.1	23.1	8.2	8.2	28.7	28.7	87.4	87.6	6.4	6.4	2.0		3		88				<0.2		1.1	
						4.2	0.1	54	23.1		8.2		28.7		87.7		6.4		2.0		4		91				<0.2		1.1	
SR3	Cloudy	Moderate	14:50	8.4	Surface	1.0	0.2	353	23.0	23.0	8.1	8.1	27.7	27.8	88.4	88.4	6.5	6.5	3.4	4.1	4	4	-	-	822144	807570	-	-	-	-
						1.0	0.1	347	23.0		8.1		27.8		88.3		6.5		3.4		5		-				-		-	
					Middle	4.2	0.1	13	23.0	23.0	8.1	8.1	28.1	28.1	88.2	88.3	6.4		2.9		4		-				-		-	
						4.2	0.1	11	23.0		8.1		28.1		88.3		6.4		2.9		4		-				-		-	
					Bottom	7.4	0.2	29	22.8	22.8	8.1	8.1	28.3	28.3	88.9	89.1	6.5	6.5	5.9		4		-				-		-	
						7.4	0.2	24	22.8		8.1		28.3		89.2		6.5		5.8		5		-				-		-	
SR4A	Fine	Rough	16:21	9.8	Surface	1.0	0.0	97	22.2	22.2	8.2	8.2	30.4	30.4	89.3	89.3	6.5	6.4	2.5	3.9	5	5	-	-	817181	807819	-	-	-	-
						1.0	0.1	92	22.2		8.2		30.3		89.3		6.5		2.5		5		-				-		-	
					Middle	4.9	0.0	85	22.3	22.3	8.2	8.2	30.8	30.8	86.4	86.4	6.3		3.7		4		-				-		-	
						4.9	0.0	86	22.3		8.2		30.8		86.4		6.3		3.8		5		-				-		-	
					Bottom	8.8	0.0	87	22.3	22.3	8.2	8.2	30.9	30.9	85.5	85.5	6.2	6.2	5.3		5		-				-		-	
						8.8	0.1	85	22.3		8.2		30.9		85.5		6.2		5.3		6		-				-		-	
SR5A	Fine	Moderate	16:36	4.9	Surface	1.0	0.1	100	22.1	22.1	8.2	8.2	30.1	30.1	87.5	87.5	6.4	6.4	2.0	2.1	8	7	-	-	816612	810680	-	-	-	-
						1.0	0.1	95	22.1		8.2		30.1		87.5		6.4		2.0		12		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.9	0.0	103	22.1	22.1	8.2	8.2	30.2	30.2	86.9	86.9	6.4	6.4	2.1		4		-				-		-	
						3.9	0.0	105	22.1		8.2		30.2		86.9		6.4		2.1		4		-				-		-	
SR6	Fine	Moderate	16:57	4.4	Surface	1.0	0.0	102	22.5	22.5	8.2	8.2	30.2	30.2	87.5	87.5	6.4	6.4	1.4	1.3	4	4	-	-	817886	814646	-	-	-	-
						1.0	0.0	101	22.5		8.2		30.2		87.5		6.4		1.4		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.0	73	22.5	22.5	8.2	8.2	30.3	30.4	85.5	85.6	6.2	6.2	1.1		3		-				-		-	
						3.4	0.0	77	22.5		8.2		30.4		85.6		6.2		1.1		4		-				-		-	
SR7	Cloudy	Moderate	16:51	16.4	Surface	1.0	0.0	256	23.4	23.4	8.1	8.1	29.5	29.5	81.3	81.3	5.8	5.9	1.8	3.4	3	3	-	-	823631	823727	-	-	-	-
						1.0	0.0	262	23.4		8.1		29.5		81.3		5.8		1.8		4		-				-		-	
					Middle	8.2	0.0	244	23.4	23.4	8.1	8.1	29.5	29.6	81.5	81.6	5.9		2.2		4		-				-		-	
						8.2	0.0	242	23.4		8.1		29.6		81.6		5.9		2.2		4		-				-		-	
					Bottom	15.4	0.0	238	23.3	23.3	8.1	8.1	29.6	29.6	82.1	82.4	5.9	6.0	6.1		3		-				-		-	
						15.4	0.0	244	23.3		8.1		29.5		82.7		6.0		6.1		2		-				-		-	
SR8	Cloudy	Moderate	15:28	5.0	Surface	1.0	-	-	23.0	23.0	8.2	8.2	28.4	28.4	87.7	87.7	6.4	6.4	1.8	3.0	3	3	-	-	820395	811625	-	-	-	-
						1.0	-	-	23.0		8.2		28.4		87.7		6.4		1.9		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	23.0	23.0	8.2	8.2	28.5	28.5	89.2	89.3	6.5	6.5	4.3		3		-				-		-	
						4.0	-	-	23.0		8.2		28.5		89.3		6.5		4.1		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	06:21	8.4	Surface	1.0	0.4	218	22.0	22.0	8.2	8.2	30.4	30.4	88.8	88.8	6.5	6.5	11.7	10.3	3	2	85	88	815629	804244	<0.2	<0.2	0.8	0.9
						1.0	0.4	214	22.0		8.2		30.4		88.8		6.5		11.9		2		86				<0.2		0.9	
					Middle	4.2	0.4	220	21.9	21.9	8.2	8.2	30.8	30.8	88.5	88.5	6.5		6.5		3		88				<0.2		0.9	
						4.2	0.4	225	21.9		8.2		30.8		88.5		6.5		6.7		2		87				<0.2		0.9	
					Bottom	7.4	0.4	206	22.0	22.0	8.2	8.2	31.1	31.1	87.8	87.8	6.4	6.4	12.6		2		88				<0.2		0.9	
						7.4	0.4	208	22.0		8.2		31.1		87.8		6.4		12.6		2		91				<0.2		0.8	
C2	Misty	Moderate	07:00	11.2	Surface	1.0	0.5	170	22.4	22.4	8.1	8.1	29.1	29.1	85.7	85.7	6.3	6.3	4.6	5.1	3	2	52	78	825673	806964	<0.2	<0.2	0.8	0.8
						1.0	0.5	167	22.4		8.1		29.1		85.7		6.3		4.6		2		52				<0.2		0.8	
					Middle	5.6	0.5	153	22.4	22.4	8.1	8.1	29.2	29.2	85.8	85.8	6.3		5.0		2		91				<0.2		0.8	
						5.6	0.4	145	22.4		8.1		29.1		85.8		6.3		5.0		2		91				<0.2		0.8	
					Bottom	10.2	0.5	186	22.4	22.4	8.1	8.1	29.2	29.2	86.4	86.5	6.4	6.4	5.7		<2		90				<0.2		0.8	
						10.2	0.5	190	22.4		8.1		29.1		86.5		6.4		5.7		<2		90				<0.2		0.8	
C3	Misty	Moderate	05:07	10.6	Surface	1.0	0.3	76	22.7	22.7	8.0	8.0	28.8	28.8	85.8	85.8	6.3	6.4	5.6	6.3	3	3	44	72	822092	817805	<0.2	<0.2	0.8	0.8
						1.0	0.2	68	22.7		8.0		28.8		85.8		6.3		5.6		2		44				<0.2		0.8	
					Middle	5.3	0.3	67	22.7	22.7	8.0	8.0	28.8	28.8	87.5	87.6	6.4		6.5		3		86				<0.2		0.8	
						5.3	0.3	65	22.7		8.0		28.8		87.7		6.5		6.5		2		86				<0.2		0.8	
					Bottom	9.6	0.2	73	22.7	22.7	8.1	8.1	28.8	28.8	91.3	91.5	6.7	6.7	6.8		3		86				<0.2		0.7	
						9.6	0.2	72	22.7		8.1		28.8		91.7		6.7		6.7		3		86				<0.2		0.7	
IM1	Cloudy	Moderate	06:46	6.2	Surface	1.0	0.4	179	22.1	22.1	8.2	8.2	30.4	30.4	88.4	88.4	6.5	6.5	2.4	4.3	2	2	86	87	818361	806438	<0.2	<0.2	0.9	0.9
						1.0	0.4	185	22.1		8.2		30.4		88.3		6.5		2.5		2		86				<0.2		0.9	
					Middle	3.1	0.3	204	22.1	22.1	8.2	8.2	30.9	30.9	87.3	87.3	6.4		3.6		2		87				<0.2		0.9	
						3.1	0.3	210	22.1		8.2		30.9		87.2		6.4		3.9		2		84				<0.2		0.8	
					Bottom	5.2	0.3	196	22.1	22.1	8.1	8.1	31.3	31.3	87.4	87.4	6.4	6.4	6.8		2		90				<0.2		0.9	
						5.2	0.3	190	22.1		8.1		31.3		87.4		6.4		6.3		2		89				<0.2		0.8	
IM2	Cloudy	Moderate	06:50	6.4	Surface	1.0	0.4	193	22.1	22.1	8.2	8.2	30.3	30.2	88.1	88.1	6.5	6.4	2.1	3.7	<2	2	86	88	818873	806195	<0.2	<0.2	0.8	0.8
						1.0	0.4	194	22.1		8.2		30.1		88.1		6.5		2.1		<2		86				<0.2		0.8	
					Middle	3.2	0.4	218	22.1	22.1	8.2	8.2	31.3	31.2	86.1	86.1	6.3		4.4		2		88				<0.2		0.8	
						3.2	0.4	220	22.1		8.2		31.0		86.1		6.3		4.9		2		88				<0.2		0.8	
					Bottom	5.4	0.4	202	22.1	22.1	8.2	8.2	31.1	31.1	85.9	86.0	6.3	6.3	4.4		2		89				<0.2		0.8	
						5.4	0.4	203	22.1		8.2		31.1		86.0		6.3		4.3		2		92				<0.2		0.9	
IM3	Cloudy	Moderate	06:54	6.8	Surface	1.0	0.4	206	22.1	22.1	8.2	8.2	30.3	30.3	87.6	87.6	6.4	6.4	8.8	8.3	3	4	87	88	819401	806041	<0.2	<0.2	0.8	0.9
						1.0	0.4	210	22.1		8.2		30.2		87.5		6.4		9.1		2		87				<0.2		0.9	
					Middle	3.4	0.4	215	22.2	22.2	8.2	8.2	31.2	31.2	86.3	86.3	6.3		6.8		4		88				<0.2		0.9	
						3.4	0.4	211	22.2		8.2		31.2		86.3		6.3		6.8		3		85				<0.2		0.9	
					Bottom	5.8	0.3	213	22.2	22.2	8.2	8.2	31.3	31.3	86.9	87.0	6.3	6.3	9.0		5		91				<0.2		0.9	
						5.8	0.4	219	22.2		8.2		31.3		87.0		6.3		9.2		4		90				<0.2		0.9	
IM4	Cloudy	Moderate	06:59	7.3	Surface	1.0	0.4	197	22.2	22.2	8.2	8.2	30.5	30.5	88.3	88.2	6.5	6.4	1.6	2.9	2	2	85	88	819593	805049	<0.2	<0.2	0.8	0.8
						1.0	0.3	198	22.2		8.2		30.5		88.1		6.4		1.7		3		86				<0.2		0.8	
					Middle	3.7	0.4	205	22.1	22.1	8.2	8.2	30.8	30.8	86.5	86.5	6.3		2.5		3		87				<0.2		0.8	
						3.7	0.4	209	22.1		8.2		30.8		86.4		6.3		2.5		2		88				<0.2		0.8	
					Bottom	6.3	0.3	176	22.2	22.2	8.2	8.2	31.4	31.4	86.3	86.4	6.3	6.3	4.6		2		91				<0.2		0.8	
						6.3	0.4	183	22.2		8.2		31.4		86.4		6.3		4.6		2		92				<0.2		0.9	
IM5	Cloudy	Moderate	07:08	7.7	Surface	1.0	0.4	183	22.1	22.1	8.2	8.2	29.4	29.2	87.9	87.9	6.5	6.5	1.4	2.6	2	2	86	87	820575	804907	<0.2	<0.2	0.9	0.9
						1.0	0.4	177	22.1		8.2		29.0		87.8		6.5		1.4		2		88				<0.2		0.9	
					Middle	3.9	0.4	182	22.2	22.2	8.2	8.2	30.1	30.1	86.8	86.8	6.4		2.9		3		89				<0.2		0.9	
						3.9	0.3	178	22.2		8.2		30.1		86.8		6.4		2.9		2		88				<0.2		0.9	
					Bottom	6.7	0.3	219	22.3	22.3	8.2	8.2	31.3	31.4	87.0	87.1	6.3	6.3	3.5		3		85				<0.2		0.8	
						6.7	0.3	223	22.3		8.2		31.4		87.1		6.3		3.5		2		86				<0.2		0.8	
IM6	Cloudy	Moderate	07:15	7.0	Surface	1.0	0.3	193	22.2	22.2	8.2	8.2	29.5	28.9	89.4	89.4	6.5	6.6	0.8	0.9	3	3	85	88	821036	805813	<0.2	<0.2	0.9	0.9
						1.0	0.4	187	22.2		8.2		28.2		89.4		6.5		0.9		4		86				<0.2		0.8	
					Middle	3.5	0.3	198	22.2	22.2	8.2	8.2	29.3	29.6	89.3	89.3	6.6		0.9		3		87				<0.2		0.8	
						3.5	0.3	196	22.2		8.2		29.9		89.3		6.6		0.9		2		88				<0.2		0.9	
					Bottom	6.0	0.3	227	22.1	22.1	8.2	8.2	29.1	29.1	89.6	89.7	6.6	6.6	1.0		2		91				<0.2		0.9	
						6.0	0.3	224	22.1		8.2		29.1		89.7		6.6		1.0		2		92				<0.2		0.9	
IM7	Cloudy	Moderate	07:21	7.4	Surface	1.0	0.3	196	22.5	22.5	8.2	8.2	29.4	29.5	89.7	89.7	6.6	6.6	0.6	0.7	2	3	86	87	821332	806812	<0.2	<0.2	0.8	0.9
						1.0	0.3	191	22.5		8.2		29.5		89.6		6.6		0.7		3		88				<0.2		0.9	
					Middle	3.7	0.3	209	22.4	22.4	8.2	8.2	29.0	29.2	89.4	89.4	6.6		0.6		2		89				<0.2		0.8	
						3.7	0.4	203	22.4		8.2		29.3		89.4		6.5		0.6		3		88				<0.2		0.9	
					Bottom	6.4	0.3	210	22.4	22.4	8.2	8.2	29.3	29.3	89.2	89.2	6.5	6.5	0.7		3		85				<0.2		0.8	
						6.4	0.3	204	22.4		8.2		29.3		89.2		6.5		0.7		2		86				<0.2		0.9	
IM8	Misty	Moderate	06:32	8.0	Surface	1.0	0.3	177	22.4	22.4	8.1	8.1	29.6	29.6	86.8	86.8	6.4	6.4	4.7	5.4	3	2	44	68	821710	807830	<0.2	<0.2	0.8	0.8
						1.0	0.3	176	22.4		8.1		29.6		86.8		6.4		4.8		2		44				<0.2		0.7	
					Middle	4.0	0.3	172	22.4	22.4	8.1	8.1	29.7	29.7	86.9	87.0	6.4		5.3		2		78				<0.2		0.7	
						4.0	0.3	174	22.4		8.1		29.6		87.0		6.4		5.3		2		78				<0.2		0.7	
					Bottom	7.0	0.3	183	22.3	22.4	8.0	8.0	29.6	29.6	87.2	87.3	6.4	6.4	6.1		2		82				<0.2		0.8	
						7.0	0.4	187	22.4		8.0		29.6		87.4		6.4		6.1		2		82				<0.2		0.8	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 05 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	06:18	8.0	Surface	1.0	0.4	157	22.5	22.5	8.1	8.1	29.3	29.4	87.1	87.1	6.4	6.4	4.6	5.3	2	3	43	68	822100	808822	<0.2	<0.2	0.8	0.8
						1.0	0.4	162	22.5		8.1		29.4		87.1		6.4		4.5		2		43				<0.2		0.8	
					Middle	4.0	0.3	136	22.4	22.4	8.1	8.1	29.6	29.6	87.0	87.0	6.4		5.1		2		79				<0.2		0.8	
						4.0	0.3	138	22.4		8.1		29.6		87.0		6.4		5.1		3		79				<0.2		0.8	
					Bottom	7.0	0.3	153	22.4	22.4	8.1	8.1	29.6	29.6	87.1	87.2	6.4	6.4	6.3		3		83				<0.2		0.8	
						7.0	0.3	148	22.4		8.1		29.6		87.2		6.4		6.3		3		83				<0.2		0.7	
IM10	Misty	Moderate	06:03	7.2	Surface	1.0	0.3	121	22.4	22.4	8.1	8.1	29.2	29.2	85.4	85.4	6.3	6.3	4.6	5.0	2	3	48	74	822257	809821	<0.2	<0.2	0.8	0.8
						1.0	0.3	119	22.4		8.1		29.2		85.4		6.3		4.6		2		48				<0.2		0.7	
					Middle	3.6	0.4	117	22.4	22.4	8.1	8.1	29.4	29.4	86.0	86.1	6.3		5.1		2		86				<0.2		0.8	
						3.6	0.4	123	22.4		8.1		29.4		86.1		6.3		5.0		3		86				<0.2		0.8	
					Bottom	6.2	0.4	127	22.4	22.4	8.0	8.0	29.4	29.4	86.6	86.7	6.4	6.4	5.2		3		87				<0.2		0.8	
						6.2	0.3	134	22.4		8.0		29.3		86.8		6.4		5.2		4		87				<0.2		0.8	
IM11	Misty	Moderate	05:51	8.0	Surface	1.0	0.4	82	22.5	22.5	8.1	8.1	29.2	29.3	86.9	86.9	6.4	6.4	3.3	4.6	2	3	52	76	821497	810540	<0.2	<0.2	0.7	0.8
						1.0	0.4	76	22.5		8.1		29.3		86.9		6.4		3.3		3		52				<0.2		0.8	
					Middle	4.0	0.3	90	22.4	22.4	8.1	8.1	29.6	29.6	87.0	87.1	6.4		5.0		3		87				<0.2		0.7	
						4.0	0.4	93	22.4		8.1		29.6		87.1		6.4		5.0		2		87				<0.2		0.7	
					Bottom	7.0	0.4	81	22.4	22.4	8.1	8.1	29.7	29.7	87.6	87.7	6.4	6.5	5.5		3		90				<0.2		0.8	
						7.0	0.4	81	22.4		8.1		29.7		87.7		6.5		5.4		4		90				<0.2		0.8	
IM12	Misty	Moderate	05:44	8.2	Surface	1.0	0.5	116	22.6	22.6	8.1	8.1	29.9	29.9	87.1	87.1	6.4	6.4	4.9	5.3	2	2	45	73	821164	811525	<0.2	<0.2	0.7	0.8
						1.0	0.4	112	22.6		8.1		29.9		87.1		6.4		4.8		2		45				<0.2		0.8	
					Middle	4.1	0.4	122	22.6	22.6	8.1	8.1	29.9	29.9	87.0	87.1	6.4		5.1		2		86				<0.2		0.8	
						4.1	0.5	121	22.6		8.1		29.9		87.1		6.4		5.1		2		86				<0.2		0.8	
					Bottom	7.2	0.5	89	22.5	22.5	8.1	8.1	29.9	29.9	87.7	87.8	6.4	6.4	6.0		2		87				<0.2		0.8	
						7.2	0.5	83	22.5		8.1		29.9		87.8		6.4		6.0		3		87				<0.2		0.9	
SR1A	Misty	Moderate	05:34	5.0	Surface	1.0	-	-	22.4	22.4	8.1	8.1	29.9	29.9	90.8	90.9	6.7	6.7	4.2	4.3	2	2	-	-	819983	812656	-	-	-	-
						1.0	-	-	22.4		8.1		29.9		90.9		6.7		4.2		2		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	22.4	22.4	8.0	8.0	29.9	29.9	91.2	91.3	6.7	6.7	4.3		3		-				-		-	
						4.0	-	-	22.4		8.0		29.9		91.3		6.7		4.3		2		-				-		-	
SR2	Misty	Moderate	05:25	5.4	Surface	1.0	0.3	50	22.6	22.6	8.0	8.1	29.9	29.9	91.5	90.9	6.7	6.7	4.6	4.8	2	2	43	65	821484	814184	<0.2	<0.2	0.7	0.8
						1.0	0.4	54	22.6		8.1		29.9		90.3		6.6		4.6		2		43				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.4	0.4	23	22.6	22.6	8.0	8.0	30.0	30.0	90.9	91.0	6.7	6.7	5.0		2		87				<0.2		0.8	
						4.4	0.3	18	22.6		8.0		30.0		91.0		6.7		5.0		2		87				<0.2		0.8	
SR3	Misty	Moderate	06:46	9.2	Surface	1.0	0.4	154	22.4	22.4	8.1	8.1	29.4	29.4	90.3	90.5	6.7	6.7	3.0	4.3	3	3	-	-	822147	807593	-	-	-	-
						1.0	0.5	153	22.4		8.1		29.4		90.6		6.7		3.1		2		-				-		-	
					Middle	4.6	0.4	161	22.3	22.3	8.1	8.1	29.4	29.5	91.1	91.2	6.7		4.6		3		-				-		-	
						4.6	0.4	164	22.3		8.1		29.5		91.3		6.7		4.6		2		-				-		-	
					Bottom	8.2	0.4	147	22.3	22.3	8.1	8.1	29.5	29.5	91.9	92.0	6.8	6.8	5.3		3		-				-		-	
						8.2	0.4	141	22.3		8.1		29.5		92.1		6.8		5.3		3		-				-		-	
SR4A	Cloudy	Moderate	06:03	8.5	Surface	1.0	0.0	70	22.3	22.3	8.2	8.2	30.9	30.9	86.6	86.7	6.3	6.3	4.4	5.4	2	3	-	-	817181	807828	-	-	-	-
						1.0	0.0	76	22.3		8.2		30.9		86.7		6.3		4.5		3		-				-		-	
					Middle	4.3	0.0	73	22.3	22.3	8.2	8.2	31.0	31.0	86.8	86.8	6.3		5.0		2		-				-		-	
						4.3	0.0	72	22.3		8.2		31.0		86.8		6.3		5.0		3		-				-		-	
					Bottom	7.5	0.0	64	22.3	22.3	8.2	8.2	31.0	31.0	86.9	86.9	6.3	6.3	6.8		3		-				-		-	
						7.5	0.0	58	22.3		8.2		30.9		86.9		6.3		6.8		3		-				-		-	
SR5A	Cloudy	Moderate	05:49	3.7	Surface	1.0	0.1	103	22.3	22.3	8.2	8.2	30.8	30.8	87.0	87.0	6.3	6.3	3.9	5.3	<2	3	-	-	816593	810710	-	-	-	-
						1.0	0.1	98	22.3		8.2		30.8		87.0		6.3		3.9		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	133	22.3	22.3	8.2	8.2	30.8	30.9	87.4	87.5	6.4	6.4	6.3		3		-				-		-	
						2.7	0.2	130	22.3		8.2		30.9		87.5		6.4		6.9		3		-				-		-	
SR6	Cloudy	Moderate	05:27	4.6	Surface	1.0	0.1	59	22.1	22.1	8.1	8.1	30.2	30.2	87.0	87.0	6.4	6.4	0.5	0.9	<2	2	-	-	817916	814684	-	-	-	-
						1.0	0.1	52	22.1		8.1		30.2		87.0		6.4		0.5		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	0.1	61	22.1	22.1	8.1	8.1	30.4	30.4	86.8	86.8	6.4	6.4	1.3		2		-				-		-	
						3.6	0.1	68	22.1		8.1		30.4		86.8		6.4		1.3		2		-				-		-	
SR7	Misty	Moderate	04:40	14.2	Surface	1.0	0.4	65	22.7	22.7	8.1	8.1	28.7	28.7	86.1	86.1	6.3	6.4	4.1	4.9	3	3	-	-	823643	823731	-	-	-	-
						1.0	0.4	63	22.7		8.1		28.7		86.1		6.3		4.1		2		-				-		-	
					Middle	7.1	0.3	82	22.7	22.7	8.1	8.1	28.8	28.8	86.3	86.4	6.4		5.1		2		-				-		-	
						7.1	0.3	81	22.7		8.1		28.8		86.4		6.4		5.1		3		-				-		-	
					Bottom	13.2	0.4	90	22.8	22.8	8.0	8.0	28.9	28.9	88.6	88.9	6.5	6.6	5.6		2		-				-		-	
						13.2	0.3	89	22.8		8.0		28.9		89.2		6.6		5.6		3		-				-		-	
SR8	Misty	Moderate	05:39	4.6	Surface	1.0	-	-	22.6	22.6	8.1	8.1	29.9	29.9	86.4	86.5	6.3	6.3	4.9	5.7	2	2	-	-	820401	811631	-	-	-	-
						1.0	-	-	22.6		8.1		29.9		86.5		6.3		4.9		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.5	22.5	8.0	8.0	29.9	29.9	87.2	87.3	6.4	6.4	6.5		2		-				-		-	
						3.6	-	-	22.5		8.0		29.9		87.4		6.4		6.5		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 05 December 23 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	17:48	8.3	Surface	1.0	0.1	51	22.1	22.1	8.2	8.2	30.1	30.2	90.3	90.3	6.6	6.6	1.6	2.9	2	2	87	88	815609	804257	<0.2	<0.2	0.8	0.8
						1.0	0.1	57	22.1		8.2		30.3		90.2		6.6		1.7				88				<0.2		0.8	
					Middle	4.2	-	61	22.0	22.0	8.2	8.2	28.5	29.2	89.7	89.7	6.6		3.3		<2		89				<0.2		0.7	
						4.2	0.0	65	22.0		8.2		29.8		89.7		6.6		3.5		<2		89				<0.2		0.7	
					Bottom	7.3	0.0	55	22.0	22.0	8.2	8.2	31.7	31.0	89.8	89.8	6.5	6.6	3.5		<2		86				<0.2		0.7	
						7.3	0.0	50	22.0		8.2		30.3		89.8		6.6		3.7		<2		86				<0.2		0.8	
C2	Misty	Moderate	16:37	11.2	Surface	1.0	0.0	331	22.5	22.5	8.0	8.0	27.9	28.0	88.3	88.5	6.5	6.6	4.3	5.5	2	2	47	74	825676	806962	<0.2	<0.2	0.8	0.8
						1.0	0.0	335	22.5		8.0		28.0		88.6		6.6		4.3		2		47				<0.2		0.7	
					Middle	5.6	0.0	341	22.5	22.5	8.0	8.0	28.0	28.0	89.5	89.7	6.6		5.5		2		82				<0.2		0.8	
						5.6	0.1	338	22.5		8.0		28.0		89.8		6.7		5.4		2		83				<0.2		0.9	
					Bottom	10.2	0.0	356	22.5	22.5	8.0	8.0	28.0	28.0	90.8	91.1	6.7	6.8	6.6		2		91				<0.2		0.7	
						10.2	0.0	348	22.5		8.0		28.0		91.3		6.8		6.6		2		91				<0.2		0.7	
C3	Misty	Moderate	18:34	10.2	Surface	1.0	0.1	103	23.0	23.0	8.0	8.0	28.1	28.1	86.2	86.3	6.3	6.4	5.0	5.9	2	3	52	75	822095	817816	<0.2	<0.2	0.8	0.8
						1.0	0.1	105	23.0		8.0		28.1		86.4		6.3		5.0		3		52				<0.2		0.8	
					Middle	5.1	0.1	117	23.0	23.0	8.0	8.0	28.1	28.1	87.2	87.4	6.4		6.1		2		85				<0.2		0.7	
						5.1	0.1	122	23.0		8.0		28.1		87.6		6.4		6.1		3		85				<0.2		0.8	
					Bottom	9.2	0.1	94	23.0	23.0	8.0	8.0	28.1	28.1	89.4	91.4	6.6	6.8	6.5		3		87				<0.2		0.7	
						9.2	0.1	93	23.0		8.0		28.1		93.4		6.9		6.5		4		87				<0.2		0.7	
IM1	Cloudy	Moderate	17:27	6.4	Surface	1.0	0.1	35	22.2	22.2	8.2	8.2	30.2	30.2	89.2	89.2	6.5	6.4	1.7	6.2	2	2	85	89	818345	806448	<0.2	<0.2	0.7	0.8
						1.0	0.1	33	22.2		8.2		30.2		89.1		6.5		1.8		3		87				<0.2		0.8	
					Middle	3.2	0.1	15	22.2	22.2	8.2	8.2	31.0	31.0	86.7	86.7	6.3		6.7		2		88				<0.2		0.7	
						3.2	0.0	11	22.2		8.2		30.9		86.7		6.3		7.1		2		89				<0.2		0.9	
					Bottom	5.4	0.0	40	22.2	22.2	8.2	8.2	31.0	31.0	87.5	87.6	6.4	6.4	9.6		<2		92				<0.2		0.7	
						5.4	0.0	44	22.2		8.2		31.0		87.7		6.4		10.0		<2		92				<0.2		0.8	
IM2	Cloudy	Moderate	17:23	6.6	Surface	1.0	0.1	36	22.2	22.2	8.2	8.2	29.8	29.9	88.6	88.6	6.5	6.4	1.9	3.0	2	2	86	87	818851	806208	<0.2	<0.2	0.7	0.8
						1.0	0.1	30	22.2		8.2		30.0		88.5		6.5		2.0		2		88				<0.2		0.8	
					Middle	3.3	0.1	46	22.2	22.2	8.2	8.2	30.7	30.7	86.9	86.9	6.3		3.1		<2		89				<0.2		0.8	
						3.3	0.1	39	22.2		8.2		30.7		86.8		6.3		3.2		<2		88				<0.2		0.8	
					Bottom	5.6	0.1	44	22.1	22.1	8.2	8.2	30.8	30.8	86.9	87.0	6.3	6.3	4.0		<2		86				<0.2		0.8	
						5.6	0.1	41	22.1		8.2		30.8		87.0		6.3		4.0		<2		86				<0.2		0.7	
IM3	Cloudy	Moderate	17:20	7.2	Surface	1.0	0.1	42	22.2	22.2	8.2	8.2	29.6	29.5	87.2	87.1	6.4	6.3	2.0	5.7	3	2	85	89	819414	806021	<0.2	<0.2	0.8	0.8
						1.0	0.2	36	22.2		8.2		29.4		87.0		6.3		2.1		2		87				<0.2		0.8	
					Middle	3.6	0.1	61	22.1	22.1	8.2	8.2	30.8	30.8	85.4	85.4	6.2		8.2		2		88				<0.2		0.8	
						3.6	0.0	65	22.1		8.2		30.8		85.4		6.2		8.7		3		89				<0.2		0.8	
					Bottom	6.2	0.1	54	22.1	22.1	8.2	8.2	32.1	32.2	85.8	85.9	6.3	6.3	6.5		<2		92				<0.2		0.8	
						6.2	0.1	53	22.1		8.2		32.3		85.9		6.2		6.6		<2		92				<0.2		0.8	
IM4	Cloudy	Moderate	17:13	6.6	Surface	1.0	0.1	60	22.2	22.2	8.2	8.2	30.3	30.4	87.9	87.8	6.4	6.4	1.8	4.8	2	2	87	89	819551	805042	<0.2	<0.2	0.7	0.7
						1.0	0.1	61	22.2		8.2		30.4		87.7		6.4		1.9		2		88				<0.2		0.8	
					Middle	3.3	0.1	55	22.2	22.2	8.2	8.2	30.5	30.5	86.1	86.1	6.3		4.9		2		88				<0.2		0.6	
						3.3	0.1	61	22.2		8.2		30.5		86.1		6.3		4.9		2		86				<0.2		0.7	
					Bottom	5.6	0.1	38	22.2	22.2	8.2	8.2	31.1	31.2	86.4	86.5	6.3	6.3	7.5		<2		91				<0.2		0.8	
						5.6	0.1	37	22.2		8.2		31.2		86.5		6.3		7.6		<2		91				<0.2		0.8	
IM5	Cloudy	Moderate	17:03	7.3	Surface	1.0	0.0	24	22.2	22.2	8.2	8.2	29.9	30.2	89.6	89.6	6.6	6.5	1.1	2.4	2	2	86	89	820581	804925	<0.2	<0.2	0.7	0.7
						1.0	0.0	19	22.2		8.2		30.4		89.6		6.6		1.1		<2		87				<0.2		0.7	
					Middle	3.7	0.1	41	22.3	22.3	8.2	8.2	30.7	30.7	89.0	89.0	6.5		2.2		2		89				<0.2		0.7	
						3.7	0.1	42	22.3		8.2		30.6		88.9		6.4		2.3		2		88				<0.2		0.7	
					Bottom	6.3	0.1	47	22.3	22.3	8.2	8.2	31.3	31.3	89.0	89.1	6.5	6.5	3.8		3		89				<0.2		0.6	
						6.3	0.1	47	22.3		8.2		31.3		89.1		6.5		3.9		2		92				<0.2		0.6	
IM6	Cloudy	Moderate	16:58	6.7	Surface	1.0	0.1	56	22.2	22.2	8.2	8.2	29.2	29.2	89.3	89.3	6.6	6.6	0.8	0.8	2	2	86	88	821048	805809	<0.2	<0.2	0.8	0.8
						1.0	0.1	62	22.2		8.2		29.2		89.3		6.6		0.8		<2		87				<0.2		0.9	
					Middle	3.4	0.1	54	22.2	22.2	8.2	8.2	29.1	29.1	89.0	89.0	6.6		0.9		2		87				<0.2		0.8	
						3.4	0.1	57	22.2		8.2		29.1		89.0		6.6		0.8		2		85				<0.2		0.8	
					Bottom	5.7	0.1	43	22.2	22.2	8.2	8.2	29.2	29.2	89.1	89.2	6.6	6.6	0.8		2		90				<0.2		0.7	
						5.7	0.1	50	22.2		8.2		29.2		89.2		6.6		0.8		3		90				<0.2		0.8	
IM7	Cloudy	Moderate	16:37	7.4	Surface	1.0	0.1	18	22.4	22.4	8.2	8.2	29.4	29.4	89.4	89.4	6.6	6.5	0.7	0.7	2	2	86	88	821372	806838	<0.2	<0.2	0.7	0.8
						1.0	0.1	18	22.4		8.2		29.4		89.4		6.5		0.7		2		86				<0.2		0.7	
					Middle	3.7	0.1	32	22.4	22.4	8.2	8.2	29.9	29.8	89.0	89.0	6.5		0.7		2		88				<0.2		0.7	
						3.7	0.2	38	22.4		8.2		29.7		89.0		6.5		0.7		3		87				<0.2		0.8	
					Bottom	6.4	0.1	12	22.4	22.4	8.2	8.2	29.4	29.5	88.9	88.9	6.5	6.5	0.6		2		88				<0.2		0.8	
						6.4	0.1	12	22.4		8.2		29.6		88.9		6.5		0.6		3		91				<0.2		0.8	
IM8	Misty	Moderate	16:56	7.4	Surface	1.0	0.1	33	22.5	22.5	8.1	8.1	28.0	28.0	86.7	86.9	6.4	6.5	3.3	4.4	<2	<2	45	70	821674	807818	<0.2	<0.2	0.8	0.8
						1.0	0.1	28	22.5		8.1		28.0		87.1		6.5		3.3		<2		45				<0.2		0.7	
					Middle	3.7	0.1	51	22.4	22.4	8.1	8.1	28.2	28.2	88.6	88.8	6.6		4.3		<2		81				<0.2		0.7	
						3.7	0.1	45	22.4		8.1		28.2		88.9		6.6		4.3		<2		81				<0.2		0.8	
					Bottom	6.4	0.1	14	22.4	22.4	8.1	8.1	28.4	28.5	90.1	90.3	6.7	6.7	5.7		<2		84				<0.2		0.7	
						6.4	0.2	8	22.4		8.1		28.5		90.5		6.7		5.7		<2		84				<0.2		0.8	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 05 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	17:02	7.2	Surface	1.0	0.1	32	22.4	22.4	8.1	8.1	29.3	29.4	84.0	84.1	6.2	6.4	5.0	5.9	<2	<2	56	76	822077	808822	<0.2	<0.2	0.8	0.7
						1.0	0.1	29	22.4		8.1		29.4		84.1		6.2		5.0		<2		56				<0.2		0.8	
					Middle	3.6	0.0	29	22.4	22.4	8.1	8.1	29.5	29.6	88.2	88.4	6.5		6.2		<2		82				<0.2		0.7	
						3.6	0.0	22	22.4		8.1		29.6		88.5		6.5		6.2		<2		82				<0.2		0.7	
					Bottom	6.2	0.1	33	22.4	22.4	8.1	8.1	29.6	29.6	90.1	90.5	6.6	6.7	6.6		<2		90				<0.2		0.7	
						6.2	0.1	26	22.4		8.1		29.6		90.9		6.7		6.6		<2		90				<0.2		0.7	
IM10	Misty	Moderate	17:11	7.8	Surface	1.0	0.1	65	22.5	22.5	8.1	8.1	29.6	29.6	84.4	84.5	6.2	6.3	3.2	4.6	3	2	51	77	822216	809821	<0.2	<0.2	0.7	0.7
						1.0	0.1	59	22.5		8.1		29.6		84.6		6.2		3.2		2		52				<0.2		0.7	
					Middle	3.9	0.1	56	22.5	22.5	8.1	8.1	29.6	29.6	87.2	87.6	6.4		4.9		2		89				<0.2		0.8	
						3.9	0.1	59	22.5		8.1		29.6		87.9		6.5		4.9		2		89				<0.2		0.7	
					Bottom	6.8	0.0	51	22.5	22.5	8.1	8.1	29.5	29.6	90.0	90.4	6.6	6.7	5.6		<2		90				<0.2		0.7	
						6.8	0.0	44	22.5		8.1		29.6		90.8		6.7		5.6		<2		90				<0.2		0.8	
IM11	Misty	Moderate	17:26	8.4	Surface	1.0	0.0	77	22.5	22.5	8.1	8.1	29.6	29.6	87.9	88.0	6.5	6.5	4.6	5.6	2	3	62	75	821494	810525	<0.2	<0.2	0.8	0.8
						1.0	0.0	77	22.5		8.1		29.6		88.1		6.5		4.6		2		62				<0.2		0.8	
					Middle	4.2	0.0	58	22.4	22.4	8.1	8.1	29.6	29.6	88.7	88.8	6.5		5.3		3		78				<0.2		0.8	
						4.2	0.0	55	22.4		8.1		29.6		88.9		6.5		5.3		3		78				<0.2		0.8	
					Bottom	7.4	0.0	51	22.4	22.4	8.1	8.1	29.6	29.6	94.7	95.0	7.0	7.0	6.8		3		84				<0.2		0.7	
						7.4	0.0	53	22.4		8.1		29.6		95.3		7.0		6.8		2		85				<0.2		0.8	
IM12	Misty	Moderate	17:32	8.2	Surface	1.0	0.0	64	22.5	22.5	8.1	8.1	29.6	29.6	87.9	88.0	6.5	6.5	4.5	4.9	2	2	48	71	821163	811527	<0.2	<0.2	0.7	0.8
						1.0	0.0	58	22.5		8.1		29.6		88.1		6.5		4.5		2		48				<0.2		0.7	
					Middle	4.1	0.1	69	22.4	22.4	8.1	8.1	29.6	29.6	88.8	88.8	6.5		4.6		<2		79				<0.2		0.8	
						4.1	0.1	67	22.4		8.1		29.6		88.8		6.5		4.6		<2		79				<0.2		0.7	
					Bottom	7.2	0.1	56	22.4	22.4	8.1	8.1	29.6	29.6	94.8	95.0	7.0	7.0	5.6		<2		87				<0.2		0.8	
						7.2	0.1	60	22.4		8.1		29.6		95.1		7.0		5.6		<2		87				<0.2		0.8	
SR1A	Misty	Moderate	18:02	4.4	Surface	1.0	-	-	22.3	22.3	8.0	8.1	29.6	29.6	83.7	85.7	6.2	6.4	4.6	5.4	<2	<2	-	-	819970	812659	-	-	-	-
						1.0	-	-	22.3		8.1		29.6		87.6		6.5		4.6		<2		-				-		-	
					Middle	2.2	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.2	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	-	-	22.3	22.3	8.1	8.1	29.5	29.6	89.1	89.5	6.6	6.6	6.1		<2		-				-		-	
						3.4	-	-	22.3		8.1		29.6		89.8		6.6		6.1		<2		-				-		-	
SR2	Misty	Moderate	18:14	4.2	Surface	1.0	0.1	78	22.5	22.5	8.1	8.1	29.6	29.6	88.3	88.5	6.5	6.5	5.6	6.1	2	2	72	87	821479	814154	<0.2	<0.2	0.8	0.7
						1.0	0.1	80	22.5		8.1		29.6		88.6		6.5		5.6		2		72				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	0.1	85	22.5	22.5	8.1	8.1	29.6	29.6	91.4	91.9	6.7	6.8	6.6		2		102				<0.2		0.6	
						3.2	0.0	89	22.5		8.1		29.6		92.4		6.8		6.6		3		102				<0.2		0.7	
SR3	Misty	Moderate	16:40	9.4	Surface	1.0	0.1	349	22.6	22.6	8.0	8.0	27.9	27.9	87.7	87.8	6.5	6.6	4.5	5.6	2	2	-	-	822166	807568	-	-	-	-
						1.0	0.1	347	22.6		8.0		27.9		87.8		6.5		4.6		2		-				-		-	
					Middle	4.7	0.1	17	22.6	22.6	8.0	8.0	27.9	27.9	88.9	89.2	6.6		5.6		2		-				-		-	
						4.7	0.1	18	22.6		8.0		27.9		89.5		6.6		5.6		2		-				-		-	
					Bottom	8.4	0.2	11	22.5	22.5	8.0	8.0	27.9	27.9	91.8	92.0	6.8	6.8	6.6		3		-				-		-	
						8.4	0.2	15	22.5		8.0		27.9		92.1		6.8		6.6		2		-				-		-	
SR4A	Cloudy	Moderate	18:04	8.4	Surface	1.0	0.0	320	22.5	22.5	8.2	8.2	30.7	30.7	87.3	87.3	6.3	6.3	3.0	3.0	<2	<2	-	-	817169	807792	-	-	-	-
						1.0	0.0	316	22.5		8.2		30.7		87.3		6.3		2.9		<2		-				-		-	
					Middle	4.2	0.0	323	22.5	22.5	8.2	8.2	30.7	30.7	87.4	87.4	6.3		3.0		<2		-				-		-	
						4.2	0.0	320	22.5		8.2		30.7		87.4		6.3		3.0		<2		-				-		-	
					Bottom	7.4	0.0	339	22.5	22.5	8.2	8.2	30.7	30.7	87.6	87.6	6.4	6.4	3.0		<2		-				-		-	
						7.4	0.0	331	22.5		8.2		30.7		87.6		6.4		3.0		<2		-				-		-	
SR5A	Cloudy	Moderate	18:19	3.4	Surface	1.0	0.1	97	22.5	22.5	8.2	8.2	30.6	30.6	89.3	89.3	6.5	6.5	4.6	4.7	2	2	-	-	816594	810710	-	-	-	-
						1.0	0.0	93	22.5		8.2		30.6		89.3		6.5		4.6		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.4	0.1	87	22.5	22.5	8.2	8.2	30.7	30.7	89.6	89.6	6.5	6.5	4.7		<2		-				-		-	
						2.4	0.0	87	22.5		8.2		30.7		89.6		6.5		4.7		<2		-				-		-	
SR6	Cloudy	Moderate	18:44	4.1	Surface	1.0	0.0	40	22.5	22.5	8.2	8.2	30.3	30.3	92.8	92.8	6.8	6.8	3.4	4.6	<2	<2	-	-	817886	814643	-	-	-	-
						1.0	0.0	45	22.5		8.2		30.3		92.8		6.8		3.8		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.1	0.0	60	22.4	22.4	8.2	8.2	30.2	30.2	92.6	92.6	6.7	6.7	5.7		<2		-				-		-	
						3.1	0.1	64	22.4		8.2		30.2		92.5		6.7		5.4		<2		-				-		-	
SR7	Misty	Moderate	19:04	15.2	Surface	1.0	0.0	103	22.9	22.9	8.1	8.1	28.0	28.0	87.2	87.4	6.4	6.5	4.0	4.6	<2	2	-	-	823644	823765	-	-	-	-
						1.0	0.0	96	22.9		8.1		28.0		87.5		6.4		4.0		<2		-				-		-	
					Middle	7.6	0.1	96	22.9	22.9	8.1	8.1	28.0	28.0	88.1	88.3	6.5		4.4		<2		-				-		-	
						7.6	0.0	101	22.9		8.1		28.0		88.4		6.5		4.4		<2		-				-		-	
					Bottom	14.2	0.0	115	22.9	22.9	8.1	8.1	28.1	28.1	90.3	91.9	6.6	6.8	5.4		3		-				-		-	
						14.2	0.0	120	22.9		8.1		28.0		93.5		6.9		5.5		2		-				-		-	
SR8	Misty	Moderate	17:46	4.8	Surface	1.0	-	-	22.5	22.5	8.1	8.1	29.6	29.6	84.6	84.6	6.2	6.2	7.1	7.6	2	2	-	-	820374	811600	-	-	-	-
						1.0	-	-	22.5		8.1		29.5		84.6		6.2		7.1		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	22.4	22.4	8.1	8.1	29.6	29.6	90.7	91.2	6.7	6.7	8.0		<2		-				-		-	
						3.8	-	-	22.4		8.1		29.5		91.6		6.7		8.0		<2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	08:09	8.4	Surface	1.0	0.3	209	21.7	21.8	8.2	8.2	30.4	30.5	85.0	85.0	6.3	6.2	1.7	5.5	3	3	85	88	815635	804249	<0.2	<0.2	0.8	0.8
						1.0	0.3	205	21.8		8.2		30.6		84.9		6.2		1.8		2		86				<0.2		0.8	
					Middle	4.2	0.3	211	22.4	22.4	8.2	8.2	31.5	31.8	84.3	84.3	6.1		7.3		3		88				<0.2		0.9	
						4.2	0.3	205	22.4		8.2		32.1		84.3		6.1		7.4		3		87				<0.2		0.8	
					Bottom	7.4	0.3	220	22.4	22.4	8.1	8.1	32.6	32.8	84.6	84.7	6.1	6.1	7.3		4		88				<0.2		0.8	
						7.4	0.3	220	22.4		8.1		33.0		84.7		6.1		7.5		3		91				<0.2		0.9	
C2	Misty	Moderate	09:50	11.0	Surface	1.0	0.4	173	22.4	22.4	8.1	8.1	29.0	29.0	84.8	84.8	6.3	6.3	2.3	2.7	3	2	52	78	825702	806962	<0.2	<0.2	0.7	0.8
						1.0	0.4	169	22.4		8.1		29.0		84.8		6.3		2.3		3		52				<0.2		0.7	
					Middle	5.5	0.4	164	22.4	22.4	8.1	8.1	29.1	29.1	84.9	84.9	6.3		2.6		2		91				<0.2		0.8	
						5.5	0.4	163	22.4		8.1		29.1		84.9		6.3		2.6		2		91				<0.2		0.8	
					Bottom	10.0	0.4	183	22.4	22.4	8.1	8.1	29.1	29.1	85.5	85.6	6.3	6.3	3.3		<2		90				<0.2		0.8	
						10.0	0.3	181	22.4		8.1		29.1		85.6		6.3		3.3		<2		90				<0.2		0.7	
C3	Misty	Moderate	07:58	10.2	Surface	1.0	0.2	90	22.5	22.5	8.1	8.1	28.8	28.8	84.9	84.9	6.3	6.4	3.2	4.3	2	2	44	72	822087	817785	<0.2	<0.2	0.8	0.8
						1.0	0.2	97	22.5		8.1		28.8		84.9		6.3		3.2		2		44				<0.2		0.8	
					Middle	5.1	0.2	80	22.4	22.4	8.1	8.1	28.8	28.8	86.6	86.7	6.4		4.1		2		86				<0.2		0.9	
						5.1	0.3	78	22.4		8.1		28.8		86.8		6.4		4.1		2		86				<0.2		0.8	
					Bottom	9.2	0.2	99	22.4	22.4	8.1	8.1	28.8	28.8	90.4	90.6	6.7	6.7	5.3		<2		86				<0.2		0.9	
						9.2	0.2	96	22.4		8.1		28.8		90.8		6.7		5.7		<2		86				<0.2		0.8	
IM1	Cloudy	Moderate	08:27	6.6	Surface	1.0	0.3	185	21.8	21.9	8.2	8.2	30.9	30.9	86.3	86.3	6.3	6.3	5.2	6.7	<2	2	86	87	818369	806459	<0.2	<0.2	0.7	0.8
						1.0	0.2	190	21.9		8.2		30.9		86.2		6.3		5.5		<2		86				<0.2		0.8	
					Middle	3.3	0.2	183	22.3	22.3	8.2	8.2	32.2	32.2	86.8	86.9	6.3		8.4		2		87				<0.2		0.9	
						3.3	0.2	182	22.3		8.2		32.1		86.9		6.3		8.5		2		84				<0.2		0.8	
					Bottom	5.6	0.3	176	22.3	22.3	8.1	8.1	32.2	32.2	88.2	88.3	6.4	6.4	6.5		3		90				<0.2		0.8	
						5.6	0.3	176	22.3		8.1		32.2		88.3		6.4		6.3		2		89				<0.2		0.7	
IM2	Cloudy	Moderate	08:36	6.7	Surface	1.0	0.3	185	22.1	22.1	8.2	8.2	31.6	31.6	85.8	85.8	6.2	6.2	2.2	3.3	2	3	86	88	818866	806187	<0.2	<0.2	0.9	0.8
						1.0	0.4	188	22.1		8.2		31.6		85.8		6.2		2.2		2		86				<0.2		0.8	
					Middle	3.4	0.3	181	22.2	22.2	8.2	8.2	31.8	31.7	85.8	85.8	6.2		3.0		3		88				<0.2		0.9	
						3.4	0.3	179	22.2		8.2		31.6		85.8		6.2		3.1		2		88				<0.2		0.8	
					Bottom	5.7	0.3	201	22.3	22.3	8.2	8.2	32.2	32.2	86.1	86.1	6.2	6.2	4.6		4		89				<0.2		0.8	
						5.7	0.2	205	22.3		8.2		32.2		86.1		6.2		4.9		3		92				<0.2		0.7	
IM3	Cloudy	Moderate	08:46	7.8	Surface	1.0	0.3	210	21.8	21.8	8.2	8.2	30.9	30.7	85.8	85.7	6.3	6.3	2.3	3.3	<2	2	87	88	819417	806017	<0.2	<0.2	0.8	0.7
						1.0	0.3	210	21.8		8.2		30.5		85.6		6.3		2.5		<2		87				<0.2		0.7	
					Middle	3.9	0.3	185	22.1	22.1	8.2	8.2	31.5	31.5	84.9	84.9	6.2		3.6		2		88				<0.2		0.7	
						3.9	0.3	179	22.1		8.2		31.5		84.9		6.2		3.6		3		85				<0.2		0.7	
					Bottom	6.8	0.3	182	22.1	22.1	8.2	8.2	32.1	32.3	85.3	85.4	6.2	6.2	3.9		2		91				<0.2		0.7	
						6.8	0.3	180	22.1		8.2		32.4		85.4		6.2		3.9		3		90				<0.2		0.8	
IM4	Cloudy	Moderate	08:51	7.0	Surface	1.0	0.3	210	21.7	21.7	8.2	8.2	32.0	32.5	88.9	88.9	6.5	6.5	2.3	2.7	2	2	85	88	819571	805018	<0.2	<0.2	0.9	0.8
						1.0	0.2	205	21.7		8.2		33.0		88.8		6.5		2.4		3		86				<0.2		0.8	
					Middle	3.5	0.3	198	21.8	21.8	8.2	8.2	30.9	31.0	88.3	88.3	6.4		2.7		2		87				<0.2		0.8	
						3.5	0.4	201	21.8		8.2		31.0		88.3		6.5		2.8		2		88				<0.2		0.8	
					Bottom	6.0	0.3	188	21.8	21.8	8.2	8.2	31.9	31.7	88.3	88.3	6.5	6.5	2.9		<2		91				<0.2		0.8	
						6.0	0.3	188	21.8		8.2		31.5		88.3		6.4		3.0		<2		92				<0.2		0.7	
IM5	Cloudy	Moderate	08:57	7.2	Surface	1.0	0.3	180	21.7	21.7	8.2	8.2	30.5	30.5	88.6	88.6	6.5	6.5	1.2	1.9	2	3	86	87	820544	804945	<0.2	<0.2	0.7	0.8
						1.0	0.3	187	21.7		8.2		30.4		88.6		6.5		1.3		2		88				<0.2		0.8	
					Middle	3.6	0.3	201	21.6	21.6	8.2	8.2	31.1	31.1	88.3	88.3	6.6		2.1		2		89				<0.2		0.8	
						3.6	0.3	194	21.6		8.2		31.1		88.3		6.5		2.2		3		88				<0.2		0.7	
					Bottom	6.2	0.3	169	21.6	21.6	8.2	8.2	31.0	31.0	88.4	88.5	6.5	6.5	2.2		2		85				<0.2		0.8	
						6.2	0.3	171	21.6		8.2		31.0		88.5		6.5		2.3		4		86				<0.2		0.7	
IM6	Cloudy	Moderate	09:03	6.8	Surface	1.0	0.2	194	21.8	21.8	8.2	8.2	30.9	31.0	88.0	88.0	6.5	6.4	7.7	4.1	4	3	85	88	821049	805804	<0.2	<0.2	0.8	0.8
						1.0	0.3	196	21.8		8.2		31.0		87.9		6.5		7.3		3		86				<0.2		0.8	
					Middle	3.4	0.2	182	21.8	21.8	8.2	8.2	31.4	31.5	86.0	86.0	6.3		2.0		3		87				<0.2		0.8	
						3.4	0.2	185	21.8		8.2		31.5		85.9		6.3		2.1		3		88				<0.2		0.8	
					Bottom	5.8	0.2	172	21.8	21.8	8.2	8.2	31.5	31.5	85.8	85.8	6.3	6.3	2.7		2		91				<0.2		0.8	
						5.8	0.2	166	21.8		8.2		31.4		85.8		6.3		2.6		2		92				<0.2		0.8	
IM7	Cloudy	Moderate	09:11	7.9	Surface	1.0	0.2	213	21.8	21.8	8.2	8.2	30.3	30.3	88.0	88.0	6.5	6.4	0.7	1.1	4	5	86	87	821364	806851	<0.2	<0.2	0.8	0.8
						1.0	0.2	211	21.8		8.2		30.3		87.9		6.5		0.7		5		88				<0.2		0.8	
					Middle	4.0	0.2	221	21.8	21.8	8.2	8.2	30.7	30.7	86.4	86.4	6.3		1.3		6		89				<0.2		0.8	
						4.0	0.2	215	21.8		8.2		30.7		86.3		6.3		1.3		5		88				<0.2		0.7	
					Bottom	6.9	0.2	218	21.8	21.9	8.2	8.2	31.1	31.1	86.1	86.1	6.3	6.3	1.4		6		85				<0.2		0.9	
						6.9	0.3	217	21.9		8.2		31.1		86.1		6.3		1.4		6		86				<0.2		0.8	
IM8	Misty	Moderate	09:22	7.6	Surface	1.0	0.3	167	22.7	22.7	8.1	8.1	29.5	29.6	85.9	85.9	6.3	6.3	2.7	3.2	3	4	44	68	821706	807834	<0.2	<0.2	0.7	0.7
						1.0	0.4	168	22.7		8.1		29.6		85.9		6.3		2.7		2		44				<0.2		0.7	
					Middle	3.8	0.3	166	22.7	22.7	8.1	8.1	29.6	29.6	86.0	86.1	6.3		3.0		4		78				<0.2		0.8	
						3.8	0.3	169	22.7		8.1		29.6		86.1		6.3		2.9		3		78				<0.2		0.7	
					Bottom	6.6	0.3	190	22.7	22.6	8.0	8.0	29.6	29.6	86.3	86.4	6.3	6.4	3.8		5		82				<0.2		0.7	
						6.6	0.3	193	22.4		8.0		29.5		86.5		6.4		3.8		5		82				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	09:08	8.0	Surface	1.0	0.3	149	22.4	22.4	8.1	8.1	29.3	29.3	86.2	86.2	6.4	6.4	2.2	2.9	4	4	43	68	822115	808800	<0.2	<0.2	0.7	0.8
						1.0	0.3	152	22.4		8.1		29.3		86.2		6.4		2.1		3		43				<0.2		0.8	
					Middle	4.0	0.3	148	22.4	22.6	8.1	8.1	29.5	29.6	86.1	86.1	6.4		2.7		4		79				<0.2		0.7	
						4.0	0.4	144	22.7		8.1		29.6		86.1		6.3		2.7		3		79				<0.2		0.7	
					Bottom	7.0	0.3	129	22.4	22.4	8.1	8.1	29.6	29.6	86.2	86.3	6.3	6.4	3.9		5		83				<0.2		0.8	
						7.0	0.3	129	22.4		8.1		29.6		86.3		6.4		4.0		5		83				<0.2		0.8	
IM10	Misty	Moderate	08:54	7.2	Surface	1.0	0.3	117	22.4	22.4	8.1	8.1	29.1	29.2	84.5	84.5	6.3	6.3	2.2	2.6	3	4	48	74	822263	809839	<0.2	<0.2	0.8	0.7
						1.0	0.3	116	22.4		8.1		29.2		84.5		6.2		2.2		4		48				<0.2		0.7	
					Middle	3.6	0.3	118	22.4	22.4	8.1	8.1	29.4	29.4	85.1	85.2	6.3		2.7		3		86				<0.2		0.8	
						3.6	0.3	113	22.4		8.1		29.4		85.2		6.3		2.7		4		86				<0.2		0.7	
					Bottom	6.2	0.3	135	22.4	22.4	8.0	8.0	29.3	29.3	85.7	85.8	6.3	6.4	2.8		4		87				<0.2		0.7	
						6.2	0.4	129	22.4		8.0		29.3		85.9		6.4		2.9		5		87				<0.2		0.7	
IM11	Misty	Moderate	08:41	8.0	Surface	1.0	0.3	99	22.5	22.5	8.1	8.1	29.1	29.2	86.0	86.0	6.4	6.4	2.2	2.6	3	4	52	76	821480	810557	<0.2	<0.2	0.7	0.7
						1.0	0.3	100	22.5		8.1		29.2		86.0		6.3		2.2		4		52				<0.2		0.7	
					Middle	4.0	0.4	111	22.4	22.4	8.1	8.1	29.5	29.6	86.1	86.2	6.3		2.6		4		87				<0.2		0.7	
						4.0	0.4	113	22.4		8.1		29.6		86.2		6.4		2.6		3		87				<0.2		0.7	
					Bottom	7.0	0.4	95	22.4	22.4	8.1	8.1	29.7	29.7	86.7	86.8	6.4	6.4	3.1		4		90				<0.2		0.8	
						7.0	0.4	89	22.4		8.1		29.7		86.8		6.4		3.1		4		90				<0.2		0.7	
IM12	Misty	Moderate	08:34	8.2	Surface	1.0	0.3	101	22.6	22.6	8.1	8.1	29.9	29.9	86.2	86.2	6.4	6.4	2.5	2.9	3	4	45	73	821152	811530	<0.2	<0.2	0.8	0.8
						1.0	0.3	93	22.6		8.1		29.9		86.2		6.4		2.5		4		45				<0.2		0.8	
					Middle	4.1	0.4	88	22.4	22.4	8.1	8.1	29.9	29.9	86.1	86.2	6.4		2.7		4		86				<0.2		0.7	
						4.1	0.4	81	22.4		8.1		29.9		86.2		6.4		2.7		3		86				<0.2		0.8	
					Bottom	7.2	0.4	118	22.4	22.4	8.1	8.1	29.9	29.9	86.8	86.9	6.4	6.4	3.6		4		87				<0.2		0.7	
						7.2	0.4	119	22.4		8.1		29.9		86.9		6.4		3.6		4		87				<0.2		0.7	
SR1A	Misty	Moderate	08:25	5.6	Surface	1.0	-	-	22.6	22.6	8.1	8.1	29.9	29.9	89.9	90.0	6.6	6.6	1.8	2.5	4	4	-	-	819971	812657	-	-	-	-
						1.0	-	-	22.6		8.1		29.9		90.0		6.6		1.8		3		-				-		-	
					Middle	2.8	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.8	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.6	-	-	22.6	22.6	8.0	8.0	29.9	29.9	90.3	90.4	6.7	6.7	3.2		4		-				-		-	
						4.6	-	-	22.6		8.0		29.9		90.4		6.7		3.2		4		-				-		-	
SR2	Misty	Moderate	08:15	5.0	Surface	1.0	0.3	38	22.5	22.5	8.0	8.1	29.9	29.9	90.6	90.0	6.7	6.7	2.2	2.7	2	3	43	65	821486	814149	<0.2	<0.2	0.7	0.8
						1.0	0.2	32	22.5		8.1		29.9		89.4		6.6		2.2		3		43				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.3	42	22.5	22.5	8.0	8.0	29.9	29.9	90.0	90.1	6.6	6.6	3.2		3		87				<0.2		0.7	
						4.0	0.3	45	22.5		8.0		29.9		90.1		6.6		3.2		4		87				<0.2		0.8	
SR3	Misty	Moderate	09:36	9.2	Surface	1.0	0.4	179	22.4	22.6	8.1	8.1	29.3	29.3	89.4	89.6	6.6	6.6	2.1	2.4	3	3	-	-	822139	807574	-	-	-	-
						1.0	0.4	186	22.7		8.1		29.3		89.7		6.6		2.1		2		-				-		-	
					Middle	4.6	0.4	162	22.7	22.7	8.1	8.1	29.4	29.4	90.2	90.3	6.6		2.2		2		-				-		-	
						4.6	0.4	159	22.7		8.1		29.4		90.4		6.7		2.2		3		-				-		-	
					Bottom	8.2	0.4	154	22.7	22.7	8.1	8.1	29.4	29.4	91.0	91.1	6.7	6.7	3.0		3		-				-		-	
						8.2	0.4	148	22.7		8.1		29.4		91.2		6.7		2.9		3		-				-		-	
SR4A	Cloudy	Moderate	07:46	8.3	Surface	1.0	0.0	64	21.7	21.7	8.2	8.2	30.5	30.5	84.3	84.1	6.2	6.1	1.7	2.4	2	3	-	-	817182	807828	-	-	-	-
						1.0	0.0	68	21.7		8.2		30.5		83.9		6.2		1.7		3		-				-		-	
					Middle	4.2	0.0	72	22.3	22.3	8.2	8.2	31.6	31.6	81.4	81.4	5.9		2.5		3		-				-		-	
						4.2	0.0	78	22.3		8.2		31.6		81.4		5.9		2.5		2		-				-		-	
					Bottom	7.3	0.0	50	22.3	22.3	8.2	8.2	31.9	31.9	81.9	82.0	5.9	5.9	3.1		4		-				-		-	
						7.3	0.1	43	22.3		8.1		31.9		82.0		5.9		3.1		3		-				-		-	
SR5A	Cloudy	Moderate	07:30	3.3	Surface	1.0	0.2	119	21.5	21.5	8.1	8.1	30.2	30.2	87.3	87.3	6.5	6.5	1.7	1.7	3	3	-	-	816603	810680	-	-	-	-
						1.0	0.2	120	21.5		8.1		30.2		87.3		6.5		1.7		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.3	0.1	135	21.3	21.3	8.1	8.1	30.4	30.4	87.2	87.3	6.5	6.5	1.7		3		-				-		-	
						2.3	0.2	141	21.3		8.1		30.4		87.3		6.5		1.7		3		-				-		-	
SR6	Cloudy	Moderate	07:07	4.0	Surface	1.0	0.0	58	21.4	21.4	8.1	8.1	30.2	30.2	84.0	84.1	6.2	6.2	2.2	2.9	2	2	-	-	817892	814646	-	-	-	-
						1.0	0.0	53	21.4		8.0		30.2		84.1		6.2		2.3		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	40	21.4	21.4	8.0	8.0	30.3	30.3	86.0	86.2	6.4	6.4	3.6		2		-				-		-	
						3.0	0.1	32	21.4		8.0		30.3		86.4		6.4		3.6		2		-				-		-	
SR7	Misty	Moderate	07:30	11.0	Surface	1.0	0.5	76	22.4	22.6	8.1	8.1	28.7	28.7	85.2	85.2	6.3	6.3	2.7	2.9	3	3	-	-	823658	823732	-	-	-	-
						1.0	0.4	80	22.7		8.1		28.7		85.2		6.3		2.6		4		-				-		-	
					Middle	5.5	0.4	87	22.7	22.7	8.1	8.1	28.7	28.7	85.4	85.5	6.3		2.7		3		-				-		-	
						5.5	0.4	89	22.7		8.1		28.7		85.5		6.3		2.7		2		-				-		-	
					Bottom	10.0	0.5	91	22.7	22.8	8.0	8.0	28.8	28.8	87.7	88.0	6.5	6.5	3.2		<2		-				-		-	
						10.0	0.4	95	22.8		8.0		28.8		88.3		6.5		3.2		<2		-				-		-	
SR8	Misty	Moderate	08:29	4.6	Surface	1.0	-	-	22.4	22.5	8.1	8.1	29.9	29.9	85.5	85.6	6.3	6.3	2.5	3.3	2	2	-	-	820388	811617	-	-	-	-
						1.0	-	-	22.6		8.1		29.9		85.6		6.3		2.5		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.6	-	-	22.6	22.6	8.0	8.0	29.9	29.9	86.3	86.4	6.4	6.4	4.1		<2		-				-		-	
						3.6	-	-	22.6		8.0		29.9		86.5		6.4		4.1		<2		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 December 23 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	14:54	8.3	Surface	1.0	0.3	34	22.1	22.1	8.2	8.2	31.6	30.8	88.7	88.7	6.5	6.5	1.6	2.7	2	4	87	88	815616	804235	<0.2	<0.2	0.8	0.8
						1.0	0.3	36	22.1		8.2		30.0		88.6		6.5		1.6		3		88				<0.2		0.8	
					Middle	4.2	0.3	23	22.3	22.3	8.2	8.2	32.1	32.1	88.3	88.4	6.4		3.0		3		89				<0.2		0.8	
						4.2	0.3	22	22.3		8.2		32.1		88.4		6.4		3.1		4		89				<0.2		0.8	
					Bottom	7.3	0.3	38	22.4	22.4	8.2	8.2	32.4	32.5	89.3	89.6	6.4	6.5	3.4		4		86				<0.2		0.7	
						7.3	0.3	36	22.4		8.2		32.5		89.8		6.5		3.4		5		86				<0.2		0.7	
C2	Misty	Moderate	13:43	11.0	Surface	1.0	0.1	344	22.5	22.5	8.0	8.0	28.9	28.9	87.4	87.6	6.3	6.3	2.8	3.7	3	4	47	74	825664	806939	<0.2	<0.2	0.7	0.8
						1.0	0.1	349	22.5		8.0		28.9		87.7		6.3		2.8		4		47				<0.2		0.7	
					Middle	5.5	0.2	331	22.5	22.5	8.0	8.0	28.9	28.9	88.6	88.8	6.3		4.0		3		82				<0.2		0.8	
						5.5	0.2	327	22.5		8.0		28.9		88.9		6.3		4.0		4		83				<0.2		0.8	
					Bottom	10.0	0.2	349	22.5	22.5	8.0	8.0	28.9	28.9	89.9	90.2	6.3	6.4	4.2		4		91				<0.2		0.8	
						10.0	0.2	342	22.5		8.0		28.9		90.4		6.4		4.2		5		91				<0.2		0.7	
C3	Misty	Moderate	15:39	11.2	Surface	1.0	0.3	253	22.3	22.4	8.0	8.0	28.0	28.0	85.3	85.4	6.4	6.4	2.6	3.5	2	2	52	75	822089	817820	<0.2	<0.2	0.8	0.8
						1.0	0.3	246	22.5		8.0		28.0		85.5		6.4		2.6		3		52				<0.2		0.8	
					Middle	5.6	0.3	237	22.5	22.5	8.0	8.0	28.0	28.0	86.3	86.5	6.4		3.7		3		85				<0.2		0.8	
						5.6	0.4	240	22.5		8.0		28.0		86.7		6.4		3.7		2		85				<0.2		0.8	
					Bottom	10.2	0.3	254	22.5	22.4	8.0	8.0	28.0	28.1	88.5	90.5	6.6	6.8	4.1		2		87				<0.2		0.8	
						10.2	0.4	249	22.3		8.0		28.1		92.5		6.9		4.1		2		87				<0.2		0.8	
IM1	Cloudy	Moderate	14:35	6.4	Surface	1.0	0.1	9	22.0	22.0	8.2	8.2	31.2	31.2	87.9	87.9	6.4	6.4	1.8	5.9	<2	2	85	89	818327	806459	<0.2	<0.2	0.8	0.8
						1.0	0.1	7	22.0		8.2		31.2		87.8		6.4		1.8		<2		87				<0.2		0.8	
					Middle	3.2	0.1	27	22.1	22.1	8.2	8.2	31.5	31.5	87.3	87.3	6.3		4.3		<2		88				<0.2		0.9	
						3.2	0.1	30	22.1		8.2		31.5		87.3		6.3		4.3		<2		89				<0.2		0.8	
					Bottom	5.4	0.1	22	22.1	22.1	8.2	8.2	31.7	31.7	87.6	87.7	6.4	6.4	11.9		2		92				<0.2		0.8	
						5.4	0.1	20	22.1		8.2		31.7		87.7		6.4		11.2		2		92				<0.2		0.8	
IM2	Cloudy	Moderate	14:29	6.6	Surface	1.0	0.1	332	21.8	21.8	8.2	8.2	30.8	30.8	88.2	88.2	6.5	6.5	1.7	2.0	4	3	86	87	818873	806194	<0.2	<0.2	0.9	0.8
						1.0	0.1	329	21.8		8.2		30.8		88.2		6.5		1.8		3		88				<0.2		0.8	
					Middle	3.3	0.1	340	21.8	21.8	8.2	8.2	30.9	30.9	88.2	88.2	6.5		2.1		3		89				<0.2		0.8	
						3.3	0.1	342	21.8		8.2		30.9		88.2		6.5		2.1		4		88				<0.2		0.8	
					Bottom	5.6	0.2	333	21.8	21.8	8.2	8.2	30.9	30.9	88.4	88.5	6.5	6.5	2.1		2		86				<0.2		0.8	
						5.6	0.2	327	21.8		8.2		30.9		88.5		6.5		2.2		3		86				<0.2		0.9	
IM3	Cloudy	Moderate	14:26	6.7	Surface	1.0	0.1	346	21.8	21.8	8.2	8.2	30.8	30.8	88.2	88.3	6.5	6.5	1.7	1.9	2	2	85	89	819404	806015	<0.2	<0.2	0.8	0.8
						1.0	0.1	347	21.8		8.2		30.8		88.3		6.5		1.8		3		87				<0.2		0.8	
					Middle	3.4	0.1	329	21.8	21.8	8.2	8.2	30.8	30.8	88.3	88.3	6.5		1.9		3		88				<0.2		0.8	
						3.4	0.1	323	21.8		8.2		30.8		88.3		6.5		1.9		2		89				<0.2		0.8	
					Bottom	5.7	0.1	4	21.7	21.7	8.2	8.2	30.9	30.9	89.0	89.1	6.5	6.6	2.0		2		92				<0.2		0.8	
						5.7	0.2	5	21.7		8.2		30.9		89.1		6.6		2.0		2		92				<0.2		0.8	
IM4	Cloudy	Moderate	14:19	7.0	Surface	1.0	0.1	336	21.8	21.8	8.2	8.2	30.7	30.7	88.9	88.9	6.5	6.5	1.3	2.6	2	3	87	89	819575	805049	<0.2	<0.2	0.9	0.8
						1.0	0.2	335	21.8		8.2		30.7		88.9		6.5		1.3		3		88				<0.2		0.8	
					Middle	3.5	0.1	318	21.7	21.7	8.2	8.2	30.9	30.9	88.6	88.6	6.5		2.8		3		88				<0.2		0.8	
						3.5	0.2	319	21.7		8.2		30.9		88.6		6.5		3.0		2		86				<0.2		0.8	
					Bottom	6.0	0.1	325	21.7	21.7	8.2	8.2	31.0	31.0	89.0	89.1	6.5	6.6	3.7		2		91				<0.2		0.8	
						6.0	0.0	331	21.7		8.2		31.0		89.2		6.6		3.6		3		91				<0.2		0.8	
IM5	Cloudy	Moderate	14:05	7.3	Surface	1.0	0.1	327	21.8	21.8	8.2	8.2	30.6	30.6	88.2	88.2	6.5	6.5	1.6	2.2	2	3	86	89	820546	804930	<0.2	<0.2	0.8	0.8
						1.0	0.2	322	21.7		8.2		30.6		88.2		6.5		1.7		3		87				<0.2		0.8	
					Middle	3.7	0.1	344	21.7	21.7	8.2	8.2	30.8	30.8	87.8	87.9	6.5		2.4		2		89				<0.2		0.7	
						3.7	0.2	349	21.7		8.2		30.8		87.9		6.5		2.5		2		88				<0.2		0.8	
					Bottom	6.3	0.2	352	21.7	21.7	8.2	8.2	30.8	30.8	87.9	88.0	6.5	6.5	2.6		3		89				<0.2		0.7	
						6.3	0.1	346	21.7		8.2		30.8		88.0		6.5		2.6		3		92				<0.2		0.7	
IM6	Cloudy	Moderate	13:55	7.4	Surface	1.0	0.2	308	21.8	21.8	8.2	8.2	30.6	30.6	87.4	87.4	6.4	6.4	1.2	1.6	2	2	86	88	821059	805840	<0.2	<0.2	0.8	0.8
						1.0	0.1	311	21.8		8.2		30.6		87.3		6.4		1.3		3		87				<0.2		0.9	
					Middle	3.7	0.2	326	21.8	21.8	8.2	8.2	30.9	30.9	86.9	86.9	6.4		1.7		2		87				<0.2		0.8	
						3.7	0.2	328	21.8		8.2		30.9		86.8		6.4		1.8		2		85				<0.2		0.8	
					Bottom	6.4	0.2	309	21.8	21.8	8.2	8.2	31.1	31.1	87.0	87.1	6.4	6.4	1.8		<2		90				<0.2		0.9	
						6.4	0.2	309	21.8		8.2		31.1		87.1		6.4		1.8		<2		90				<0.2		0.8	
IM7	Cloudy	Moderate	13:42	8.0	Surface	1.0	0.1	261	21.7	21.7	8.2	8.2	30.3	30.3	87.9	87.9	6.5	6.5	0.6	1.1	2	3	86	88	821360	806834	<0.2	<0.2	0.9	0.8
						1.0	0.1	267	21.7		8.2		30.3		87.8		6.5		0.6		2		86				<0.2		0.8	
					Middle	4.0	0.1	283	21.7	21.7	8.2	8.2	30.4	30.5	86.7	86.7	6.4		0.9		4		88				<0.2		0.8	
						4.0	0.1	277	21.7		8.2		30.5		86.6		6.4		1.0		3		87				<0.2		0.8	
					Bottom	7.0	0.1	292	21.9	21.9	8.2	8.2	31.0	31.0	86.2	86.3	6.3	6.3	1.8		4		88				<0.2		0.9	
						7.0	0.1	293	21.9		8.2		31.0		86.3		6.3		1.8		3		91				<0.2		0.8	
IM8	Misty	Moderate	14:02	7.0	Surface	1.0	0.2	258	22.7	22.7	8.1	8.1	27.9	28.0	85.8	86.0	6.3	6.3	2.1	3.1	4	4	45	70	821702	807814	<0.2	<0.2	0.7	0.8
						1.0	0.1	259	22.7		8.1		28.0		86.2		6.3		2.1		3		45				<0.2		0.8	
					Middle	3.5	0.1	269	22.7	22.7	8.1	8.1	28.2	28.2	87.7	87.9	6.3		3.2		3		81				<0.2		0.8	
						3.5	0.1	269	22.7		8.1		28.2		88.0		6.3		3.2		4		81				<0.2		0.8	
					Bottom	6.0	0.1	263	22.7	22.7	8.1	8.1	28.4	28.4	89.2	89.4	6.3	6.3	4.1		5		84				<0.2		0.8	
						6.0	0.2	260	22.7		8.1		28.4		89.6		6.3		4.1		5		84				<0.2		0.8	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 07 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Misty	Moderate	14:08	7.2	Surface	1.0	0.2	268	22.4	22.4	8.1	8.1	28.9	28.9	83.1	83.2	6.3	6.4	2.2	3.4	4	5	56	76	822106	808821	<0.2	<0.2	0.9	0.9
						1.0	0.2	263	22.4		8.1		28.9		83.2		6.3		2.2		3		56				<0.2		0.8	
					Middle	3.6	0.2	259	22.4	22.4	8.1	8.1	29.1	29.1	87.3	87.5	6.4		3.9		5		82				<0.2		0.8	
						3.6	0.3	264	22.4		8.1		29.1		87.6		6.4		3.8		6		82				<0.2		0.9	
					Bottom	6.2	0.2	288	22.4	22.4	8.1	8.1	29.2	29.2	89.2	89.6	6.6	6.6	4.2		6		90				<0.2		0.9	
						6.2	0.1	281	22.4		8.1		29.2		90.0		6.6		4.2		5		90				<0.2		0.8	
IM10	Misty	Moderate	14:17	7.6	Surface	1.0	0.2	266	22.5	22.5	8.1	8.1	29.1	29.1	83.5	83.6	6.4	6.4	2.1	2.6	6	5	51	77	822232	809861	<0.2	<0.2	0.8	0.8
						1.0	0.2	273	22.5		8.1		29.1		83.7		6.4		2.1		5		52				<0.2		0.7	
					Middle	3.8	0.3	269	22.5	22.5	8.1	8.1	29.1	29.1	86.3	86.7	6.4		2.5		5		89				<0.2		0.8	
						3.8	0.3	270	22.5		8.1		29.1		87.0		6.4		2.5		4		89				<0.2		0.8	
					Bottom	6.6	0.3	288	22.5	22.5	8.1	8.1	29.1	29.1	89.1	89.5	6.4	6.4	3.2		4		90				<0.2		0.8	
						6.6	0.3	283	22.5		8.1		29.1		89.9		6.4		3.2		5		90				<0.2		0.8	
IM11	Misty	Moderate	14:32	8.0	Surface	1.0	0.4	276	22.5	22.5	8.1	8.1	29.2	29.2	87.0	87.1	6.4	6.4	2.2	3.4	3	5	62	75	821521	810537	<0.2	<0.2	0.8	0.8
						1.0	0.4	282	22.5		8.1		29.2		87.2		6.3		2.2		4		62				<0.2		0.8	
					Middle	4.0	0.3	280	22.4	22.4	8.1	8.1	29.2	29.2	87.8	87.9	6.3		3.7		4		78				<0.2		0.7	
						4.0	0.3	275	22.4		8.1		29.2		88.0		6.4		3.7		5		78				<0.2		0.8	
					Bottom	7.0	0.4	290	22.4	22.4	8.1	8.1	29.2	29.2	93.8	94.1	6.4	6.4	4.4		6		84				<0.2		0.8	
						7.0	0.3	283	22.4		8.1		29.2		94.4		6.4		4.4		6		85				<0.2		0.9	
IM12	Misty	Moderate	14:38	8.0	Surface	1.0	0.4	275	22.5	22.5	8.1	8.1	29.2	29.2	87.0	87.1	6.3	6.3	2.1	2.5	4	5	48	71	821168	811517	<0.2	<0.2	0.8	0.8
						1.0	0.4	271	22.5		8.1		29.2		87.2		6.2		2.1		5		48				<0.2		0.8	
					Middle	4.0	0.4	286	22.4	22.4	8.1	8.1	29.2	29.2	87.9	87.9	6.3		2.2		4		79				<0.2		0.8	
						4.0	0.4	292	22.4		8.1		29.2		87.9		6.3		2.2		5		79				<0.2		0.8	
					Bottom	7.0	0.3	291	22.4	22.4	8.1	8.1	29.1	29.1	93.9	94.1	6.3	6.4	3.2		5		87				<0.2		0.8	
						7.0	0.3	292	22.4		8.1		29.1		94.2		6.4		3.2		6		87				<0.2		0.8	
SR1A	Misty	Moderate	15:08	4.2	Surface	1.0	-	-	22.3	22.3	8.0	8.1	29.1	29.1	82.8	84.8	6.1	6.3	2.2	3.0	5	5	-	-	819980	812659	-	-	-	-
						1.0	-	-	22.3		8.1		29.1		86.7		6.4		2.2		6		-				-		-	
					Middle	2.1	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.1	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.2	-	-	22.3	22.3	8.1	8.1	29.1	29.1	88.2	88.6	6.5	6.6	3.7		4		-				-		-	
						3.2	-	-	22.3		8.1		29.1		88.9		6.6		3.7		5		-				-		-	
SR2	Misty	Moderate	15:19	5.0	Surface	1.0	0.2	206	22.5	22.5	8.1	8.1	29.1	29.1	87.4	87.6	6.5	6.5	3.2	3.7	5	4	72	87	821456	814161	<0.2	<0.2	0.8	0.8
						1.0	0.3	207	22.5		8.1		29.1		87.7		6.5		3.2		4		72				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	0.2	244	22.5	22.5	8.1	8.1	29.1	29.1	90.5	91.0	6.7	6.8	4.2		3		102				<0.2		0.8	
						4.0	0.2	251	22.5		8.1		29.1		91.5		6.8		4.2		4		102				<0.2		0.9	
SR3	Misty	Moderate	13:46	9.2	Surface	1.0	0.1	310	22.6	22.6	8.0	8.0	28.9	28.9	86.8	86.9	6.6	6.6	2.2	3.2	3	3	-	-	822134	807589	-	-	-	-
						1.0	0.2	314	22.6		8.0		28.9		86.9		6.6		2.2		2		-				-		-	
					Middle	4.6	0.1	284	22.6	22.6	8.0	8.0	28.9	28.9	88.0	88.3	6.6		3.2		3		-				-		-	
						4.6	0.0	277	22.6		8.0		28.9		88.6		6.7		3.2		2		-				-		-	
					Bottom	8.2	0.1	320	22.5	22.5	8.0	8.0	28.9	28.9	90.9	91.1	6.7	6.7	4.2		3		-				-		-	
						8.2	0.1	323	22.5		8.0		28.9		91.2		6.7		4.2		4		-				-		-	
SR4A	Cloudy	Moderate	15:21	8.2	Surface	1.0	0.0	201	22.0	22.0	8.2	8.2	30.4	30.4	86.6	86.6	6.4	6.2	2.3	2.5	5	4	-	-	817176	807825	-	-	-	-
						1.0	0.0	199	22.0		8.2		30.4		86.5		6.3		2.3		4		-				-		-	
					Middle	4.1	0.0	226	22.3	22.3	8.2	8.2	31.6	31.6	82.2	82.2	6.0		2.7		3		-				-		-	
						4.1	0.0	227	22.3		8.2		31.6		82.2		6.0		2.7		4		-				-		-	
					Bottom	7.2	0.1	225	22.3	22.3	8.2	8.2	31.8	31.8	83.3	83.4	6.0	6.0	2.6		4		-				-		-	
						7.2	0.0	226	22.3		8.2		31.8		83.4		6.0		2.6		3		-				-		-	
SR5A	Cloudy	Moderate	15:38	4.4	Surface	1.0	0.1	283	21.7	21.7	8.2	8.2	30.4	30.4	88.3	88.3	6.5	6.5	2.4	2.9	3	4	-	-	816589	810700	-	-	-	-
						1.0	0.1	287	21.6		8.2		30.4		88.3		6.5		2.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.4	0.1	317	21.5	21.5	8.2	8.2	30.4	30.4	89.2	89.3	6.6	6.6	3.3		4		-				-		-	
						3.4	0.1	314	21.5		8.2		30.4		89.3		6.6		3.3		4		-				-		-	
SR6	Cloudy	Moderate	16:02	3.7	Surface	1.0	0.1	230	21.8	21.8	8.2	8.2	30.2	30.2	89.3	89.4	6.6	6.6	2.6	4.2	5	4	-	-	817896	814681	-	-	-	-
						1.0	0.0	225	21.7		8.2		30.2		89.5		6.6		2.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	233	21.6	21.6	8.2	8.2	30.3	30.4	90.7	90.8	6.7	6.7	5.5		4		-				-		-	
						2.7	0.1	234	21.6		8.2		30.4		90.8		6.7		5.6		3		-				-		-	
SR7	Misty	Moderate	16:10	15.0	Surface	1.0	0.8	232	22.5	22.5	8.1	8.1	28.0	28.0	86.3	86.5	6.4	6.5	1.6	2.2	4	4	-	-	823624	823728	-	-	-	-
						1.0	0.7	235	22.5		8.1		28.0		86.6		6.4		1.6		4		-				-		-	
					Middle	7.5	0.7	255	22.5	22.5	8.1	8.1	28.0	28.0	87.2	87.4	6.5		2.0		4		-				-		-	
						7.5	0.7	254	22.5		8.1		28.0		87.5		6.5		2.0		3		-				-		-	
					Bottom	14.0	0.7	238	22.5	22.5	8.1	8.1	28.0	28.0	89.4	91.0	6.7	6.8	3.1		4		-				-		-	
						14.0	0.7	240	22.5		8.1		28.0		92.6		6.9		3.1		3		-				-		-	
SR8	Misty	Moderate	14:52	4.8	Surface	1.0	-	-	22.5	22.5	8.1	8.1	29.2	29.2	83.7	83.7	6.4	6.4	4.7	5.2	4	4	-	-	820378	811620	-	-	-	-
						1.0	-	-	22.5		8.1		29.1		83.7		6.3		4.7		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	22.4	22.4	8.1	8.1	29.1	29.1	89.8	90.3	6.3	6.4	5.6		5		-				-		-	
						3.8	-	-	22.4		8.1		29.1		90.7		6.4		5.6		4		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	11:01	8.5	Surface	1.0	0.3	207	22.8	22.8	8.3	8.3	30.2	30.2	97.3	97.2	7.0	7.0	7.0	8.6	3	3	80	82	815623	804270	<0.2	<0.2	1.0	0.9
						1.0	0.4	202	22.8		8.3		30.2		97.1		7.0		6.9		2		80				<0.2		0.9	
					Middle	4.3	0.3	219	22.8	22.8	8.3	8.3	30.3	30.3	95.2	95.2	6.9		10.6		3		82				<0.2		0.8	
						4.3	0.3	213	22.8		8.3		30.3		95.1		6.9		10.7		2		82				<0.2		0.8	
					Bottom	7.5	0.3	229	22.8	22.8	8.3	8.3	30.3	30.3	94.7	94.7	6.9	6.9	8.2		3		83				<0.2		0.8	
						7.5	0.3	224	22.8		8.3		30.3		94.7		6.9		8.1		4		86				<0.2		0.8	
C2	Fine	Moderate	11:53	11.0	Surface	1.0	0.3	161	22.6	22.6	8.1	8.1	28.7	28.7	84.1	84.1	6.2	6.2	2.2	2.6	2	4	53	78	825679	806949	<0.2	<0.2	0.9	0.9
						1.0	0.4	164	22.6		8.1		28.7		84.1		6.2		2.2		3		53				<0.2		0.8	
					Middle	5.5	0.3	169	22.6	22.6	8.1	8.1	28.8	28.8	84.2	84.2	6.2		2.5		3		91				<0.2		0.9	
						5.5	0.3	164	22.6		8.1		28.8		84.2		6.2		2.5		4		91				<0.2		0.9	
					Bottom	10.0	0.3	148	22.6	22.6	8.1	8.1	28.8	28.8	84.8	84.9	6.3	6.3	3.2		5		90				<0.2		0.8	
						10.0	0.3	142	22.6		8.1		28.8		84.9		6.3		3.2		5		90				<0.2		0.8	
C3	Fine	Moderate	10:01	10.4	Surface	1.0	0.3	75	22.7	22.7	8.1	8.1	28.4	28.4	84.2	84.2	6.2	6.3	3.1	4.2	3	3	44	72	822091	817785	<0.2	<0.2	0.8	0.8
						1.0	0.2	81	22.7		8.1		28.4		84.2		6.2		3.1		3		44				<0.2		0.8	
					Middle	5.2	0.2	86	22.6	22.6	8.1	8.1	28.5	28.5	85.9	86.0	6.4		4.0		3		86				<0.2		0.8	
						5.2	0.3	79	22.6		8.1		28.5		86.1		6.4		4.0		4		86				<0.2		0.8	
					Bottom	9.4	0.3	102	22.6	22.6	8.1	8.1	28.4	28.4	89.7	89.9	6.6	6.7	5.2		3		87				<0.2		0.8	
						9.4	0.2	102	22.6		8.1		28.4		90.1		6.7		5.6		4		87				<0.2		0.9	
IM1	Cloudy	Moderate	11:24	6.4	Surface	1.0	0.3	179	22.9	22.9	8.2	8.2	30.0	30.0	91.8	91.8	6.6	6.6	2.1	5.2	3	3	80	82	818328	806476	<0.2	<0.2	0.8	0.8
						1.0	0.3	174	22.9		8.2		30.0		91.8		6.6		2.2		3		81				<0.2		0.7	
					Middle	3.2	0.2	205	22.7	22.7	8.2	8.2	30.0	30.0	90.6	90.6	6.6		8.4		3		81				<0.2		0.8	
						3.2	0.2	211	22.7		8.2		30.0		90.6		6.6		8.3		3		79				<0.2		0.8	
					Bottom	5.4	0.2	191	22.7	22.7	8.2	8.2	30.0	30.0	90.4	90.4	6.6	6.6	5.4		4		85				<0.2		0.7	
						5.4	0.2	190	22.7		8.2		30.0		90.4		6.6		5.0		4		84				<0.2		0.7	
IM2	Cloudy	Moderate	11:27	6.7	Surface	1.0	0.3	196	22.9	22.9	8.2	8.2	29.9	29.9	92.3	92.3	6.7	6.7	7.9	6.5	3	3	80	83	818861	806207	<0.2	<0.2	0.7	0.8
						1.0	0.3	200	22.9		8.2		29.9		92.2		6.7		7.9		3		81				<0.2		0.8	
					Middle	3.4	0.3	201	22.8	22.8	8.2	8.2	29.9	29.9	91.1	91.1	6.6		2.0		2		83				<0.2		0.8	
						3.4	0.3	206	22.8		8.2		29.9		91.0		6.6		2.0		3		82				<0.2		0.8	
					Bottom	5.7	0.4	223	22.7	22.7	8.2	8.2	29.9	29.9	90.5	90.5	6.6	6.6	9.8		2		83				<0.2		0.8	
						5.7	0.3	217	22.7		8.2		29.9		90.5		6.6		9.1		3		86				<0.2		0.8	
IM3	Cloudy	Moderate	11:31	6.3	Surface	1.0	0.2	219	22.7	22.7	8.2	8.2	29.8	29.8	92.8	92.9	6.7	6.8	2.4	3.8	2	2	81	83	819415	806020	<0.2	<0.2	0.8	0.8
						1.0	0.2	217	22.7		8.2		29.8		92.9		6.8		2.4		2		82				<0.2		0.8	
					Middle	3.2	0.2	224	22.7	22.7	8.3	8.3	29.9	29.9	93.3	93.3	6.8		3.0		3		82				<0.2		0.8	
						3.2	0.3	222	22.7		8.3		29.9		93.2		6.8		3.0		2		80				<0.2		0.7	
					Bottom	5.3	0.2	223	22.6	22.6	8.2	8.2	29.9	29.9	91.9	91.9	6.7	6.7	5.8		2		86				<0.2		0.8	
						5.3	0.2	217	22.6		8.2		29.9		91.9		6.7		6.4		3		85				<0.2		0.7	
IM4	Cloudy	Moderate	11:36	7.3	Surface	1.0	0.2	197	22.7	22.7	8.2	8.2	29.6	29.6	91.8	91.8	6.7	6.7	2.2	3.4	3	3	79	83	819595	805033	<0.2	<0.2	0.8	0.8
						1.0	0.2	194	22.7		8.2		29.6		91.8		6.7		2.2		2		81				<0.2		0.8	
					Middle	3.7	0.3	207	22.6	22.6	8.2	8.2	29.9	29.9	91.8	91.8	6.7		3.3		3		82				<0.2		0.7	
						3.7	0.2	213	22.6		8.2		29.9		91.7		6.7		3.4		4		83				<0.2		0.8	
					Bottom	6.3	0.2	225	22.6	22.6	8.2	8.2	29.9	29.9	91.6	91.7	6.7	6.7	4.6		4		86				<0.2		0.8	
						6.3	0.2	218	22.6		8.2		29.9		91.7		6.7		4.7		4		87				<0.2		0.8	
IM5	Cloudy	Moderate	11:47	8.0	Surface	1.0	0.2	184	22.8	22.8	8.2	8.2	28.7	28.7	89.3	89.3	6.5	6.5	1.7	2.2	3	3	81	82	820569	804907	<0.2	<0.2	0.7	0.7
						1.0	0.2	181	22.8		8.2		28.7		89.3		6.5		1.7		4		82				<0.2		0.7	
					Middle	4.0	0.2	186	22.7	22.7	8.2	8.2	29.4	29.4	89.9	89.9	6.5		2.2		3		83				<0.2		0.7	
						4.0	0.2	193	22.7		8.2		29.4		89.9		6.5		2.2		4		83				<0.2		0.7	
					Bottom	7.0	0.2	214	22.7	22.7	8.2	8.2	29.4	29.4	89.9	89.9	6.5	6.5	2.6		3		80				<0.2		0.7	
						7.0	0.2	217	22.7		8.2		29.4		89.9		6.5		2.6		2		80				<0.2		0.8	
IM6	Cloudy	Moderate	11:54	6.8	Surface	1.0	0.2	213	22.9	22.9	8.2	8.2	28.7	28.8	89.0	89.0	6.5	6.5	1.9	2.2	2	4	79	83	821043	805812	<0.2	<0.2	0.8	0.8
						1.0	0.2	215	22.9		8.2		28.8		89.0		6.5		2.0		3		81				<0.2		0.7	
					Middle	3.4	0.1	226	22.8	22.8	8.2	8.2	29.5	29.5	88.4	88.4	6.4		2.5		4		82				<0.2		0.8	
						3.4	0.2	230	22.8		8.2		29.5		88.4		6.4		2.5		4		83				<0.2		0.8	
					Bottom	5.8	0.2	219	22.8	22.8	8.2	8.2	29.5	29.5	88.5	88.5	6.4	6.4	2.3		4		86				<0.2		0.8	
						5.8	0.2	221	22.8		8.2		29.5		88.5		6.4		2.2		4		86				<0.2		0.8	
IM7	Cloudy	Moderate	12:01	7.6	Surface	1.0	0.2	203	22.9	22.9	8.2	8.2	28.3	28.3	88.0	88.0	6.4	6.4	2.0	2.7	2	2	81	82	821353	806837	<0.2	<0.2	0.8	0.8
						1.0	0.2	200	22.8		8.2		28.3		87.9		6.4		2.1		3		82				<0.2		0.8	
					Middle	3.8	0.2	217	22.7	22.7	8.2	8.2	28.8	28.9	88.1	88.2	6.4		2.2		2		83				<0.2		0.8	
						3.8	0.2	213	22.7		8.2		28.9		88.2		6.4		2.2		2		83				<0.2		0.8	
					Bottom	6.6	0.2	206	22.8	22.8	8.2	8.2	29.6	29.6	88.8	88.8	6.5	6.5	3.8		2		80				<0.2		0.9	
						6.6	0.2	199	22.8		8.2		29.5		88.8		6.5		3.6		2		80				<0.2		0.8	
IM8	Fine	Moderate	11:25	7.4	Surface	1.0	0.3	180	22.9	22.9	8.1	8.1	29.2	29.2	85.2	85.2	6.2	6.2	2.7	3.1	3	4	44	68	821708	807845	<0.2	<0.2	0.8	0.8
						1.0	0.3	173	22.9		8.1		29.2		85.2		6.2		2.6		3		44				<0.2		0.8	
					Middle	3.7	0.3	191	22.9	22.9	8.1	8.1	29.3	29.3	85.3	85.4	6.2		2.9		3		78				<0.2		0.8	
						3.7	0.3	188	22.9		8.1		29.3		85.4		6.3		2.8		4		78				<0.2		0.8	
					Bottom	6.4	0.3	161	22.9	22.8	8.1	8.1	29.3	29.3	85.6	85.7	6.3	6.3	3.7		4		82				<0.2		0.8	
						6.4	0.3	164	22.6		8.1		29.2		85.8		6.3		3.7		4		83				<0.2		0.7	

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

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Water Quality Monitoring
Water Quality Monitoring Results on 09 December 23 during Mid-Ebb Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	11:11	8.0	Surface	1.0	0.3	151	22.6	22.6	8.1	8.1	29.0	29.0	85.5	85.5	6.3	6.3	2.1	2.9	4	4	44	69	822100	808803	<0.2	<0.2	0.8	0.8
						1.0	0.3	156	22.6		8.1		29.0		85.5		6.3		2.0		3		44				<0.2		0.8	
					Middle	4.0	0.3	133	22.6	22.8	8.1	8.1	29.2	29.2	85.4	85.4	6.3		2.7		3		79				<0.2		0.9	
						4.0	0.3	137	22.9		8.1		29.2		85.4		6.3		2.6		4		79				<0.2		0.8	
					Bottom	7.0	0.3	129	22.6	22.6	8.1	8.1	29.3	29.3	85.5	85.6	6.3	6.3	3.8		4		83				<0.2		0.8	
						7.0	0.3	126	22.6		8.1		29.3		85.6		6.3		3.9		4		83				<0.2		0.8	
IM10	Fine	Moderate	10:57	7.2	Surface	1.0	0.3	112	22.6	22.6	8.1	8.1	28.8	28.9	83.8	83.8	6.2	6.2	2.1	2.5	4	3	48	74	822237	809844	<0.2	<0.2	0.8	0.8
						1.0	0.3	112	22.6		8.1		28.9		83.8		6.2		2.1		2		48				<0.2		0.8	
					Middle	3.6	0.3	129	22.6	22.6	8.1	8.1	29.0	29.0	84.4	84.5	6.2		2.6		4		86				<0.2		0.8	
						3.6	0.3	128	22.6		8.1		29.0		84.5		6.2		2.7		3		87				<0.2		0.8	
					Bottom	6.2	0.3	118	22.6	22.6	8.1	8.1	29.0	29.0	85.0	85.1	6.3	6.3	2.7		3		87				<0.2		0.9	
						6.2	0.3	122	22.6		8.1		28.9		85.2		6.3		2.8		3		87				<0.2		0.8	
IM11	Fine	Moderate	10:44	8.2	Surface	1.0	0.3	88	22.7	22.7	8.1	8.1	28.8	28.9	85.3	85.3	6.3	6.3	2.2	2.6	4	3	52	77	821522	810562	<0.2	<0.2	0.8	0.8
						1.0	0.3	93	22.7		8.1		28.9		85.3		6.3		2.2		3		53				<0.2		0.9	
					Middle	4.1	0.3	89	22.6	22.6	8.1	8.1	29.2	29.2	85.4	85.5	6.3		2.5		3		87				<0.2		0.9	
						4.1	0.3	85	22.6		8.1		29.2		85.5		6.3		2.5		2		87				<0.2		0.8	
					Bottom	7.2	0.3	119	22.6	22.6	8.1	8.1	29.4	29.4	86.0	86.1	6.3	6.3	3.0		2		90				<0.2		0.8	
						7.2	0.3	117	22.6		8.1		29.3		86.1		6.3		3.0		3		90				<0.2		0.7	
IM12	Fine	Moderate	10:37	8.0	Surface	1.0	0.4	95	22.8	22.8	8.1	8.1	29.6	29.6	85.5	85.5	6.3	6.3	2.4	2.9	2	3	45	73	821149	811523	<0.2	<0.2	0.8	0.8
						1.0	0.4	92	22.8		8.1		29.6		85.5		6.3		2.5		3		46				<0.2		0.8	
					Middle	4.0	0.4	102	22.6	22.6	8.1	8.1	29.6	29.6	85.4	85.5	6.3		2.7		3		86				<0.2		0.8	
						4.0	0.4	99	22.6		8.1		29.6		85.5		6.3		2.6		2		86				<0.2		0.7	
					Bottom	7.0	0.4	106	22.6	22.6	8.1	8.1	29.5	29.5	86.1	86.2	6.3	6.3	3.5		4		87				<0.2		0.8	
						7.0	0.4	102	22.6		8.1		29.5		86.2		6.3		3.5		3		87				<0.2		0.7	
SR1A	Fine	Moderate	10:28	5.0	Surface	1.0	-	-	22.8	22.8	8.1	8.1	29.6	29.6	89.2	89.3	6.5	6.5	1.7	2.4	2	3	-	-	819977	812659	-	-	-	-
						1.0	-	-	22.8		8.1		29.6		89.3		6.5		1.7		4		-				-		-	
					Middle	2.5	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.5	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.0	-	-	22.8	22.8	8.1	8.1	29.5	29.5	89.6	89.7	6.6	6.6	3.1		3		-				-		-	
						4.0	-	-	22.8		8.1		29.5		89.7		6.6		3.1		2		-				-		-	
SR2	Fine	Moderate	10:18	5.2	Surface	1.0	0.2	47	22.7	22.7	8.0	8.1	29.6	29.6	89.9	89.3	6.6	6.6	2.1	2.6	3	4	43	65	821486	814152	<0.2	<0.2	0.7	0.8
						1.0	0.3	48	22.7		8.1		29.6		88.7		6.5		2.1		2		43				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.2	64	22.7	22.7	8.1	8.1	29.6	29.6	89.3	89.4	6.5	6.6	3.1		5		87				<0.2		0.9	
						4.2	0.2	65	22.7		8.1		29.6		89.4		6.6		3.1		4		87				<0.2		0.8	
SR3	Fine	Moderate	11:40	9.0	Surface	1.0	0.3	155	22.6	22.8	8.1	8.1	29.0	29.0	88.7	88.9	6.5	6.6	2.0	2.3	4	3	-	-	822136	807567	-	-	-	-
						1.0	0.3	154	22.9		8.1		29.0		89.0		6.5		2.0		3		-				-		-	
					Middle	4.5	0.3	162	22.9	22.9	8.1	8.1	29.1	29.1	89.5	89.6	6.6		2.1		3		-				-		-	
						4.5	0.3	156	22.9		8.1		29.1		89.7		6.6		2.1		3		-				-		-	
					Bottom	8.0	0.3	154	22.9	22.9	8.1	8.1	29.1	29.1	90.3	90.4	6.6	6.6	2.9		2		-				-		-	
						8.0	0.3	149	22.9		8.1		29.1		90.5		6.6		2.9		3		-				-		-	
SR4A	Cloudy	Moderate	10:33	8.7	Surface	1.0	0.0	41	22.9	22.9	8.3	8.3	30.1	30.1	92.6	92.6	6.7	6.7	1.5	1.6	2	3	-	-	817189	807833	-	-	-	-
						1.0	0.0	37	22.9		8.3		30.1		92.6		6.7		1.5		3		-				-		-	
					Middle	4.4	0.0	61	22.9	22.9	8.3	8.3	30.1	30.1	92.5	92.5	6.7		1.5		2		-				-		-	
						4.4	0.0	64	22.9		8.3		30.1		92.5		6.7		1.5		3		-				-		-	
					Bottom	7.7	0.0	30	22.9	22.9	8.3	8.3	30.1	30.1	92.7	92.7	6.7	6.7	1.7		3		-				-		-	
						7.7	0.1	24	22.9		8.3		30.1		92.7		6.7		1.7		3		-				-		-	
SR5A	Cloudy	Moderate	10:16	3.8	Surface	1.0	0.2	95	22.9	22.9	8.3	8.3	29.5	29.5	88.9	89.0	6.4	6.5	3.2	3.1	2	3	-	-	816575	810709	-	-	-	-
						1.0	0.2	92	22.9		8.3		29.5		89.0		6.5		3.0		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.8	0.1	88	23.0	23.0	8.3	8.3	29.5	29.5	89.1	89.2	6.5	6.5	3.0		3		-				-		-	
						2.8	0.1	89	23.0		8.3		29.5		89.3		6.5		3.3		4		-				-		-	
SR6	Cloudy	Moderate	09:47	5.3	Surface	1.0	0.0	47	22.8	22.8	8.2	8.2	29.4	29.4	83.7	83.7	6.1	6.1	1.9	2.1	5	4	-	-	817888	814644	-	-	-	-
						1.0	0.0	53	22.8		8.2		29.4		83.7		6.1		1.9		4		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.3	0.1	37	22.8	22.8	8.2	8.2	29.4	29.4	83.6	83.6	6.1	6.1	2.2		2		-				-		-	
						4.3	0.0	30	22.8		8.2		29.4		83.6		6.1		2.2		3		-				-		-	
SR7	Fine	Moderate	09:33	14.2	Surface	1.0	0.4	84	22.6	22.8	8.1	8.1	28.4	28.4	84.5	84.5	6.3	6.2	2.6	2.8	3	3	-	-	823634	823719	-	-	-	-
						1.0	0.3	89	22.9		8.1		28.4		84.5		6.2		2.5		3		-				-		-	
					Middle	7.1	0.4	91	22.9	22.9	8.1	8.1	28.4	28.4	84.7	84.8	6.2		2.6		3		-				-		-	
						7.1	0.3	83	22.9		8.1		28.4		84.8		6.2		2.6		4		-				-		-	
					Bottom	13.2	0.3	61	22.9	23.0	8.1	8.1	28.5	28.5	87.0	87.3	6.4	6.4	3.1		3		-				-		-	
						13.2	0.4	61	23.0		8.1		28.5		87.6		6.4		3.1		4		-				-		-	
SR8	Fine	Moderate	10:32	4.8	Surface	1.0	-	-	22.6	22.7	8.1	8.1	29.6	29.6	84.8	84.9	6.2	6.2	2.4	3.2	3	3	-	-	820391	811630	-	-	-	-
						1.0	-	-	22.8		8.1		29.6		84.9		6.2		2.4		3		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	22.8	22.8	8.1	8.1	29.6	29.6	85.6	85.7	6.3	6.3	4.0		2		-				-		-	
						3.8	-	-	22.8		8.1		29.6		85.8		6.3		4.0		3		-				-		-	

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

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 December 23 during Mid-Flood Tide

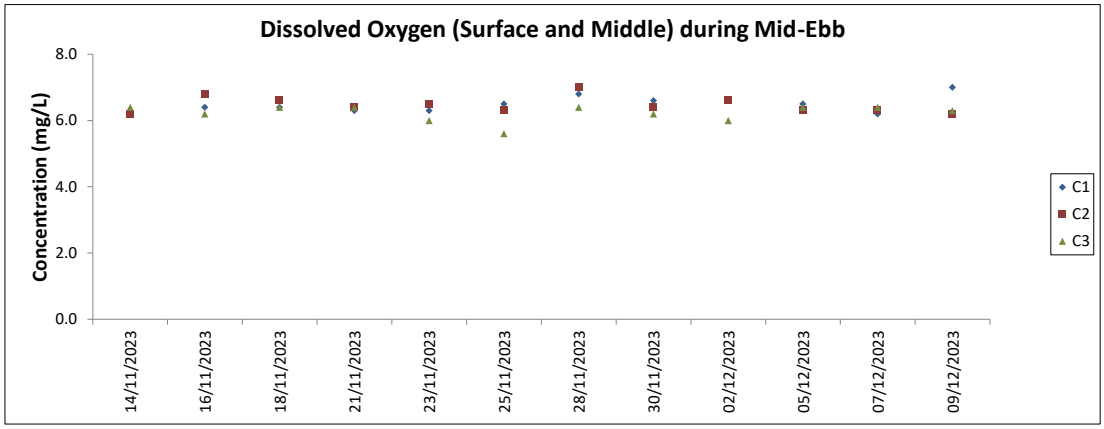
Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
C1	Cloudy	Moderate	16:05	8.2	Surface	1.0	0.3	27	23.4	23.4	8.2	8.2	29.7	29.7	93.6	93.6	6.7	6.7	2.0	2.5	3	3	86	86	815634	804264	<0.2	<0.2	0.8	0.8
						1.0	0.3	27	23.4		8.2		29.7		93.6		6.7		2.0		3		87				<0.2		0.8	
					Middle	4.1	0.2	23	22.8	22.8	8.2	8.2	30.1	30.1	91.1	91.1	6.6		3.2		3		88				<0.2		0.8	
						4.1	0.2	24	22.8		8.2		30.1		91.0		6.6		3.7		3		87				<0.2		0.8	
					Bottom	7.2	0.2	17	22.9	22.9	8.2	8.2	29.9	29.9	90.3	90.3	6.5	6.5	2.2		2		85				<0.2		0.9	
						7.2	0.2	21	22.9		8.2		29.9		90.3		6.5		2.1		3		85				<0.2		0.9	
C2	Fine	Moderate	14:33	11.2	Surface	1.0	0.0	257	22.7	22.7	8.1	8.1	28.6	28.6	86.6	86.8	6.4	6.5	2.7	3.6	3	3	47	74	825669	806951	<0.2	<0.2	0.9	0.9
						1.0	0.1	257	22.7		8.0		28.6		86.9		6.4		2.7		4		47				<0.2		0.9	
					Middle	5.6	0.1	267	22.7	22.7	8.0	8.0	28.6	28.6	87.8	88.0	6.5		3.9		3		83				<0.2		0.9	
						5.6	0.1	273	22.7		8.0		28.6		88.1		6.5		3.9		3		83				<0.2		0.9	
					Bottom	10.2	0.1	253	22.7	22.7	8.0	8.0	28.6	28.6	89.1	89.4	6.6	6.6	4.2		3		92				<0.2		0.9	
						10.2	0.1	246	22.7		8.0		28.6		89.6		6.6		4.1		3		92				<0.2		0.8	
C3	Fine	Moderate	16:30	11.0	Surface	1.0	0.4	253	22.5	22.6	8.1	8.1	27.7	27.7	84.5	84.6	6.3	6.3	2.5	3.4	3	2	52	75	822098	817796	<0.2	<0.2	0.9	0.9
						1.0	0.5	255	22.7		8.1		27.7		84.7		6.3		2.5		2		52				<0.2		0.9	
					Middle	5.5	0.5	271	22.7	22.7	8.1	8.1	27.7	27.7	85.5	85.7	6.3		3.6		2		85				<0.2		0.9	
						5.5	0.5	276	22.7		8.1		27.7		85.9		6.4		3.6		2		85				<0.2		0.9	
					Bottom	10.0	0.4	255	22.7	22.6	8.1	8.1	27.7	27.7	87.7	89.7	6.5	6.7	4.0		2		87				<0.2		0.8	
						10.0	0.5	254	22.5		8.1		27.7		91.7		6.8		4.1		2		87				<0.2		0.9	
IM1	Cloudy	Moderate	15:26	6.5	Surface	1.0	0.1	7	22.8	22.8	8.2	8.2	29.8	29.8	93.2	93.2	6.8	6.8	2.4	4.1	2	3	85	88	818339	806461	<0.2	<0.2	0.9	0.9
						1.0	0.1	3	22.8		8.2		29.8		93.2		6.8		2.5		3		86				<0.2		0.9	
					Middle	3.3	0.1	3	22.7	22.7	8.2	8.2	29.9	29.9	92.0	91.9	6.7		4.0		2		87				<0.2		0.9	
						3.3	0.1	6	22.7		8.2		29.9		91.8		6.7		4.1		3		88				<0.2		0.8	
					Bottom	5.5	0.1	3	22.8	22.8	8.2	8.2	29.9	29.9	91.2	91.2	6.6	6.6	5.6		4		91				<0.2		0.9	
						5.5	0.1	3	22.8		8.2		29.9		91.2		6.6		6.2		3		92				<0.2		0.9	
IM2	Cloudy	Moderate	15:23	6.8	Surface	1.0	0.0	297	22.8	22.8	8.2	8.2	29.6	29.6	92.7	92.7	6.7	6.7	1.9	6.9	3	3	86	87	818837	806201	<0.2	<0.2	0.9	1.0
						1.0	0.0	295	22.8		8.2		29.6		92.7		6.7		2.0		3		87				<0.2		1.0	
					Middle	3.4	0.0	285	22.7	22.7	8.2	8.2	29.8	29.8	92.1	92.1	6.7		7.3		2		88				<0.2		1.1	
						3.4	0.1	279	22.7		8.2		29.8		92.1		6.7		7.6		2		88				<0.2		1.0	
					Bottom	5.8	0.1	305	22.7	22.7	8.2	8.2	29.8	29.8	91.9	91.9	6.7	6.7	11.4		3		85				<0.2		1.0	
						5.8	0.2	299	22.7		8.2		29.8		91.9		6.7		11.2		2		85				<0.2		1.0	
IM3	Cloudy	Moderate	15:20	6.5	Surface	1.0	0.1	310	22.7	22.7	8.2	8.2	29.5	29.5	91.5	91.6	6.7	6.7	2.1	6.3	3	2	84	88	819408	806009	<0.2	<0.2	1.0	0.9
						1.0	0.1	317	22.7		8.2		29.5		91.6		6.7		2.4		2		86				<0.2		1.0	
					Middle	3.3	0.1	310	22.7	22.7	8.2	8.2	29.7	29.7	92.0	92.0	6.7		6.1		2		87				<0.2		0.9	
						3.3	0.1	311	22.7		8.2		29.7		92.0		6.7		6.9		2		88				<0.2		1.0	
					Bottom	5.5	0.1	338	22.8	22.8	8.2	8.2	29.7	29.7	91.6	91.6	6.7	6.7	10.4		2		91				<0.2		0.8	
						5.5	0.1	332	22.8		8.2		29.7		91.5		6.6		10.0		2		91				<0.2		0.9	
IM4	Cloudy	Moderate	15:14	7.8	Surface	1.0	0.1	328	22.7	22.7	8.2	8.2	29.4	29.4	90.9	90.9	6.6	6.6	3.3	3.9	3	3	86	88	819574	805023	<0.2	<0.2	0.9	0.9
						1.0	0.0	331	22.7		8.2		29.4		90.9		6.6		3.4		4		87				<0.2		0.9	
					Middle	3.9	0.1	335	22.7	22.7	8.2	8.2	29.4	29.4	90.8	90.8	6.6		3.8		2		87				<0.2		0.9	
						3.9	0.1	338	22.7		8.2		29.4		90.8		6.6		4.0		3		85				<0.2		1.0	
					Bottom	6.8	0.1	339	22.8	22.8	8.2	8.2	29.4	29.4	90.9	90.9	6.6	6.6	4.3		2		91				<0.2		0.9	
						6.8	0.2	335	22.8		8.2		29.4		90.9		6.6		4.3		3		90				<0.2		0.9	
IM5	Cloudy	Moderate	15:05	6.7	Surface	1.0	0.2	338	22.9	22.9	8.2	8.2	28.4	28.4	90.1	90.2	6.6	6.6	1.9	2.0	2	2	86	88	820576	804929	<0.2	<0.2	1.0	1.0
						1.0	0.2	340	22.9		8.2		28.4		90.2		6.6		1.9		2		86				<0.2		1.0	
					Middle	3.4	0.2	307	22.8	22.8	8.2	8.2	29.4	29.4	90.1	90.1	6.6		2.0		2		88				<0.2		0.9	
						3.4	0.2	301	22.8		8.2		29.4		90.1		6.6		2.1		2		88				<0.2		0.9	
					Bottom	5.7	0.1	332	22.9	22.9	8.2	8.2	29.0	29.0	90.0	90.0	6.5	6.6	2.1		2		89				<0.2		1.0	
						5.7	0.1	334	22.9		8.2		29.0		90.0		6.6		2.1		2		92				<0.2		0.9	
IM6	Cloudy	Moderate	14:57	7.4	Surface	1.0	0.1	299	22.9	22.9	8.2	8.2	28.7	28.8	90.6	90.6	6.6	6.6	1.9	3.5	2	2	86	87	821050	805823	<0.2	<0.2	0.9	0.9
						1.0	0.1	293	22.9		8.2		28.8		90.6		6.6		1.9		2		86				<0.2		0.9	
					Middle	3.7	0.1	312	22.9	22.9	8.2	8.2	29.4	29.4	90.5	90.5	6.6		2.1		2		87				<0.2		0.9	
						3.7	0.1	313	22.9		8.2		29.4		90.5		6.6		2.1		2		84				<0.2		0.8	
					Bottom	6.4	0.2	284	22.9	22.9	8.2	8.2	29.4	29.4	90.4	90.4	6.6	6.6	6.4		<2		90				<0.2		0.9	
						6.4	0.1	278	22.9		8.2		29.4		90.4		6.6		6.3		<2		89				<0.2		1.0	
IM7	Cloudy	Moderate	14:42	8.0	Surface	1.0	0.2	240	22.9	22.9	8.2	8.2	28.2	28.3	88.3	88.3	6.5	6.5	2.0	2.2	2	2	85	88	821340	806830	<0.2	<0.2	1.0	0.9
						1.0	0.2	243	22.9		8.2		28.3		88.3		6.5		2.1		2		86				<0.2		0.9	
					Middle	4.0	0.1	258	22.7	22.7	8.2	8.2	29.3	29.3	88.2	88.2	6.4		2.2		<2		88				<0.2		0.9	
						4.0	0.2	264	22.7		8.2		29.3		88.2		6.4		2.3		<2		87				<0.2		0.9	
					Bottom	7.0	0.2	264	22.8	22.8	8.2	8.2	29.3	29.3	87.9	87.9	6.4	6.4	2.3		<2		88				<0.2		0.9	
						7.0	0.1	260	22.8		8.2		29.2		87.9		6.4		2.3		<2		91				<0.2		0.9	
IM8	Fine	Moderate	14:52	7.2	Surface	1.0	0.1	233	22.9	22.9	8.1	8.1	27.6	27.7	85.0	85.2	6.3	6.4	2.0	3.1	2	2	45	71	821704	807836	<0.2	<0.2	0.8	0.9
						1.0	0.1	229	22.9		8.1		27.7		85.4		6.3		2.1		2		45				<0.2		0.9	
					Middle	3.6	0.2	231	22.9	22.9	8.1	8.1	27.8	27.9	86.9	87.1	6.4		3.1		<2		82				<0.2		0.9	
						3.6	0.2	229	22.9		8.1		27.9		87.2		6.4		3.1		<2		82				<0.2		1.0	
					Bottom	6.2	0.1	238	22.9	22.9	8.1	8.1	28.0	28.1	88.4	88.6	6.5	6.5	4.0		<2		84				<0.2		0.9	
						6.2	0.2	242	22.9		8.1		28.1		88.8		6.5		4.0		<2		85				<0.2		0.9	

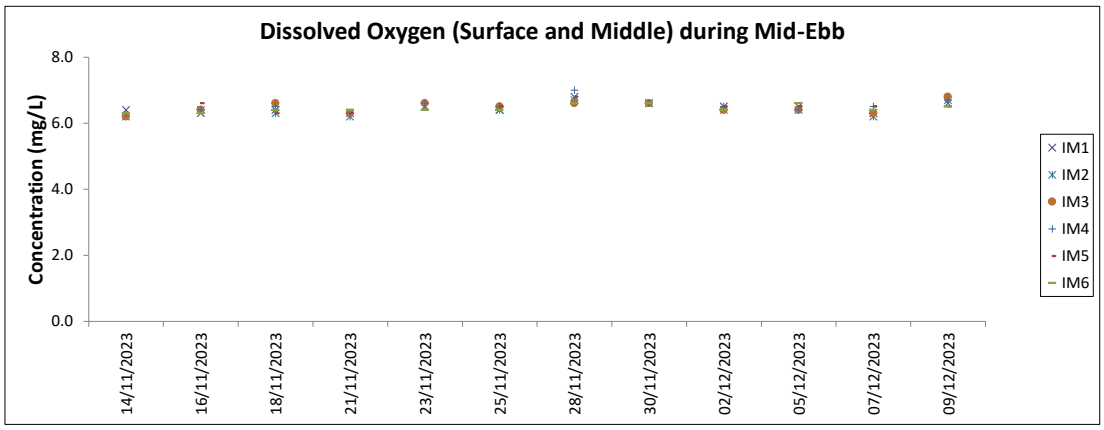
DA: Depth-Averaged
Calm: Small or no wave; Moderate: Between calm and rough; Rough : White capped or rougher

Expansion of Hong Kong International Airport into a Three-Runway System
Water Quality Monitoring
Water Quality Monitoring Results on 09 December 23 during Mid-Flood Tide

Monitoring Station	Weather Condition	Sea Condition	Sampling Time	Water Depth (m)	Sampling Depth (m)		Current Speed (m/s)	Current Direction	Water Temperature (°C)		pH		Salinity (ppt)		DO Saturation (%)		Dissolved Oxygen		Turbidity(NTU)		Suspended Solids (mg/L)		Total Alkalinity (ppm)		Coordinate HK Grid (Northing)	Coordinate HK Grid (Easting)	Chromium (µg/L)		Nickel (µg/L)	
									Value	Average	Value	Average	Value	Average	Value	Average	Value	DA	Value	DA	Value	DA	Value	DA			Value	DA	Value	DA
IM9	Fine	Moderate	14:58	7.0	Surface	1.0	0.1	264	22.6	22.6	8.1	8.1	28.6	28.6	82.3	82.4	6.1	6.3	2.1	3.4	3	3	56	76	822106	808810	<0.2	<0.2	0.8	0.9
						1.0	0.1	260	22.6		8.1		28.6		82.4		6.1		2.2		4		56				<0.2		0.9	
					Middle	3.5	0.2	248	22.6	22.6	8.1	8.1	28.8	28.8	86.5	86.7	6.4		3.8		2		83				<0.2		0.9	
						3.5	0.2	250	22.6		8.1		28.8		86.8		6.4		3.7		2		83				<0.2		0.8	
					Bottom	6.0	0.1	274	22.6	22.6	8.1	8.1	28.8	28.8	88.4	88.8	6.5	6.6	4.2		2		90				<0.2		1.0	
						6.0	0.2	269	22.6		8.1		28.8		89.2		6.6		4.1		2		90				<0.2		0.9	
IM10	Fine	Moderate	15:07	8.0	Surface	1.0	0.3	259	22.7	22.7	8.1	8.1	28.8	28.8	82.7	82.8	6.1	6.2	2.0	2.5	2	2	52	77	822244	809825	<0.2	<0.2	0.9	0.9
						1.0	0.3	260	22.7		8.1		28.8		82.9		6.1		2.0		2		52				<0.2		0.8	
					Middle	4.0	0.3	264	22.7	22.7	8.1	8.1	28.8	28.8	85.5	85.9	6.3		2.4		2		89				<0.2		0.8	
						4.0	0.2	270	22.7		8.1		28.8		86.2		6.4		2.4		2		89				<0.2		0.9	
					Bottom	7.0	0.2	276	22.7	22.7	8.1	8.1	28.8	28.8	88.3	88.7	6.5	6.6	3.1		<2		90				<0.2		1.0	
						7.0	0.1	270	22.7		8.1		28.8		89.1		6.6		3.1		<2		90				<0.2		0.9	
IM11	Fine	Moderate	15:22	8.2	Surface	1.0	0.3	271	22.7	22.7	8.1	8.1	28.9	28.9	86.2	86.3	6.4	6.4	2.1	3.4	2	2	63	75	821507	810528	<0.2	<0.2	0.8	0.9
						1.0	0.3	268	22.7		8.1		28.9		86.4		6.4		2.1		2		63				<0.2		0.9	
					Middle	4.1	0.3	265	22.6	22.6	8.1	8.1	28.9	28.9	87.0	87.1	6.4		3.7		2		78				<0.2		0.9	
						4.1	0.2	258	22.6		8.1		28.9		87.2		6.4		3.6		2		78				<0.2		0.9	
					Bottom	7.2	0.2	256	22.6	22.6	8.1	8.1	28.9	28.9	93.0	93.3	6.9	6.9	4.3		<2		85				<0.2		1.0	
						7.2	0.3	257	22.6		8.1		28.8		93.6		6.9		4.3		<2		85				<0.2		1.0	
IM12	Fine	Moderate	15:28	8.0	Surface	1.0	0.3	296	22.7	22.7	8.1	8.1	28.9	28.9	86.2	86.3	6.4	6.4	2.0	2.4	<2	<2	48	71	821167	811508	<0.2	<0.2	0.8	0.9
						1.0	0.3	300	22.7		8.1		28.9		86.4		6.4		2.0		<2		48				<0.2		0.9	
					Middle	4.0	0.3	270	22.6	22.6	8.1	8.1	28.9	28.9	87.1	87.1	6.4		2.1		<2		79				<0.2		0.9	
						4.0	0.3	263	22.6		8.1		28.9		87.1		6.4		2.1		<2		79				<0.2		0.9	
					Bottom	7.0	0.3	276	22.6	22.6	8.1	8.1	28.8	28.8	93.1	93.3	6.9	6.9	3.1		<2		87				<0.2		0.8	
						7.0	0.3	280	22.6		8.1		28.8		93.4		6.9		3.1		<2		87				<0.2		0.9	
SR1A	Fine	Moderate	15:58	4.0	Surface	1.0	-	-	22.5	22.5	8.1	8.1	28.8	28.8	82.0	84.0	6.1	6.3	2.1	2.9	2	2	-	-	819980	812661	-	-	-	-
						1.0	-	-	22.5		8.1		28.8		85.9		6.4		2.1		3		-				-		-	
					Middle	2.0	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						2.0	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	-	-	22.5	22.5	8.1	8.1	28.8	28.8	87.4	87.8	6.5	6.5	3.7		2		-				-		-	
						3.0	-	-	22.5		8.1		28.8		88.1		6.5		3.6		2		-				-		-	
SR2	Fine	Moderate	16:09	5.2	Surface	1.0	0.1	227	22.7	22.7	8.1	8.1	28.8	28.8	86.6	86.8	6.4	6.4	3.1	3.6	2	2	72	87	821458	814178	<0.2	<0.2	0.9	0.9
						1.0	0.1	233	22.7		8.1		28.8		86.9		6.4		3.1		2		72				<0.2		0.8	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	4.2	0.1	251	22.7	22.7	8.1	8.1	28.8	28.8	89.7	90.2	6.6	6.7	4.1		2		102				<0.2		0.9	
						4.2	0.1	254	22.7		8.1		28.8		90.7		6.7		4.1		3		102				<0.2		0.8	
SR3	Fine	Moderate	14:36	9.4	Surface	1.0	0.1	231	22.8	22.8	8.1	8.1	28.6	28.6	86.0	86.1	6.3	6.4	2.1	3.1	2	2	-	-	822158	807553	-	-	-	-
						1.0	0.1	225	22.8		8.1		28.6		86.1		6.3		2.1		3		-				-		-	
					Middle	4.7	0.1	222	22.8	22.8	8.1	8.1	28.6	28.6	87.2	87.5	6.4		3.1		3		-				-		-	
						4.7	0.1	215	22.8		8.1		28.6		87.8		6.5		3.1		2		-				-		-	
					Bottom	8.4	0.1	224	22.7	22.7	8.1	8.1	28.6	28.6	90.1	90.3	6.7	6.7	4.1		<2		-				-		-	
						8.4	0.1	220	22.7		8.1		28.6		90.4		6.7		4.1		<2		-				-		-	
SR4A	Cloudy	Moderate	16:32	8.4	Surface	1.0	0.1	171	23.2	23.2	8.2	8.2	29.9	29.9	94.6	94.6	6.8	6.8	6.1	5.5	<2	<2	-	-	817170	807829	-	-	-	-
						1.0	0.0	169	23.2		8.2		29.9		94.5		6.8		6.2		<2		-				-		-	
					Middle	4.2	0.0	186	23.0	23.0	8.3	8.3	30.0	30.0	92.6	92.6	6.7		1.5		<2		-				-		-	
						4.2	0.1	185	23.0		8.3		30.0		92.5		6.7		1.6		<2		-				-		-	
					Bottom	7.4	0.1	165	22.9	23.0	8.3	8.3	30.0	30.0	91.9	91.9	6.6	6.6	8.8		<2		-				-		-	
						7.4	0.1	170	23.0		8.3		30.0		91.9		6.6		8.6		<2		-				-		-	
SR5A	Cloudy	Moderate	16:47	3.7	Surface	1.0	0.1	305	23.3	23.3	8.2	8.2	29.6	29.7	92.2	92.1	6.6	6.6	4.0	7.1	2	2	-	-	816575	810685	-	-	-	-
						1.0	0.1	297	23.3		8.2		29.7		92.0		6.6		4.0		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	2.7	0.1	318	23.2	23.3	8.2	8.2	29.7	29.7	91.1	91.2	6.6	6.6	10.1		<2		-				-		-	
						2.7	0.1	316	23.3		8.2		29.7		91.2		6.6		10.3		<2		-				-		-	
SR6	Cloudy	Moderate	17:12	4.0	Surface	1.0	0.1	246	23.1	23.1	8.2	8.2	29.1	29.1	89.1	89.1	6.5	6.5	3.6	7.7	<2	<2	-	-	817883	814662	-	-	-	-
						1.0	0.1	239	23.1		8.2		29.1		89.1		6.5		3.6		<2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.0	0.1	230	23.2	23.2	8.2	8.2	29.0	29.0	89.7	89.8	6.5	6.5	11.4		<2		-				-		-	
						3.0	0.1	230	23.2		8.2		29.0		89.8		6.5		12.2		<2		-				-		-	
SR7	Fine	Moderate	17:00	14.2	Surface	1.0	0.9	250	22.7	22.7	8.1	8.1	27.7	27.7	85.5	85.7	6.3	6.4	1.5	2.1	2	2	-	-	823658	823738	-	-	-	-
						1.0	0.9	246	22.7		8.1		27.7		85.8		6.4		1.5		2		-				-		-	
					Middle	7.1	1.0	236	22.7	22.7	8.1	8.1	27.7	27.7	86.4	86.6	6.4		1.9		3		-				-		-	
						7.1	1.0	237	22.7		8.1		27.7		86.7		6.4		1.9		2		-				-		-	
					Bottom	13.2	0.9	257	22.7	22.7	8.1	8.1	27.7	27.7	88.6	90.2	6.6	6.7	3.0		2		-				-		-	
						13.2	0.9	250	22.7		8.1		27.7		91.8		6.8		3.0		2		-				-		-	
SR8	Fine	Moderate	15:42	4.8	Surface	1.0	-	-	22.7	22.7	8.1	8.1	28.8	28.8	82.9	82.9	6.1	6.1	4.6	5.1	3	3	-	-	820375	811628	-	-	-	-
						1.0	-	-	22.7		8.1		28.8		82.9		6.1		4.6		2		-				-		-	
					Middle	-	-	-	-	-	-	-	-	-	-	-	-		-		-		-				-		-	
						-	-	-	-		-		-		-		-		-		-		-				-		-	
					Bottom	3.8	-	-	22.6	22.6	8.1	8.1	28.8	28.8	89.0	89.5	6.6	6.6	5.5		4		-				-		-	
						3.8	-	-	22.6		8.1		28.8		89.9		6.6		5.5		4		-				-		-	

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


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
0.0
14/11/2023
16/11/2023
18/11/2023
21/11/2023
23/11/2023
25/11/2023
28/11/2023
30/11/2023
02/12/2023
05/12/2023
07/12/2023
09/12/2023
C1
C2
C3


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
0.0
14/11/2023
16/11/2023
18/11/2023
21/11/2023
23/11/2023
25/11/2023
28/11/2023
30/11/2023
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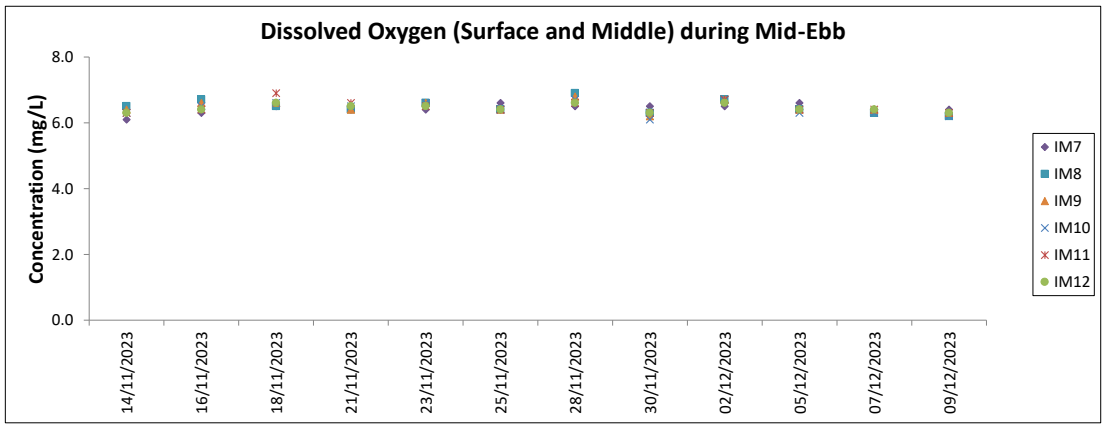
IM4
IM5
IM6


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
0.0
14/11/2023
16/11/2023
18/11/2023
21/11/2023
23/11/2023
25/11/2023
28/11/2023
30/11/2023
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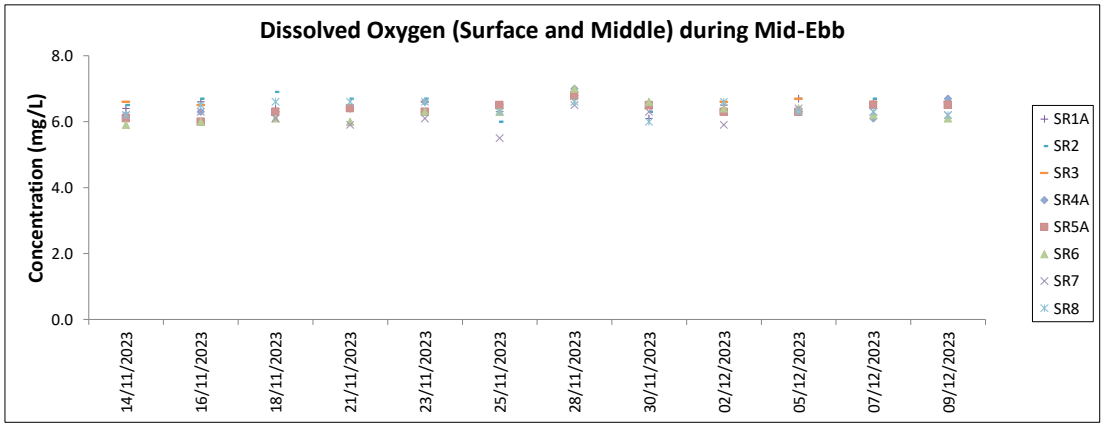
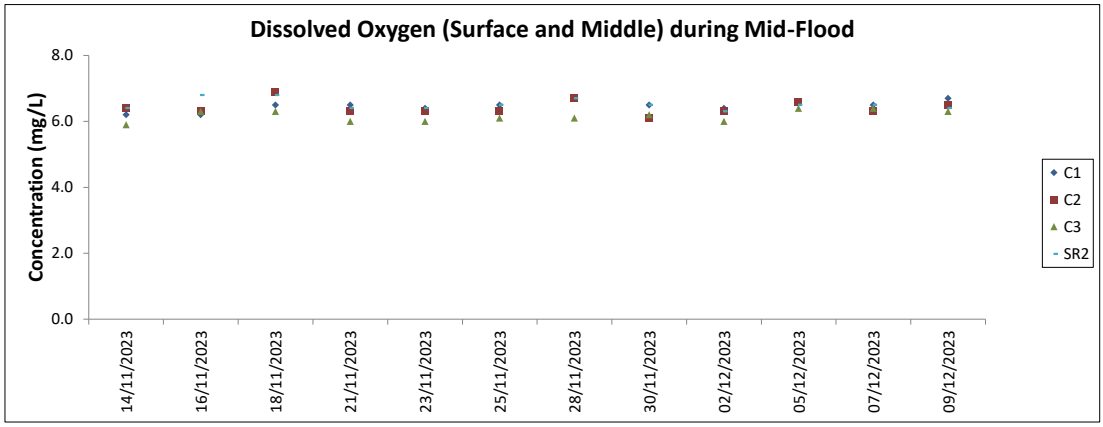
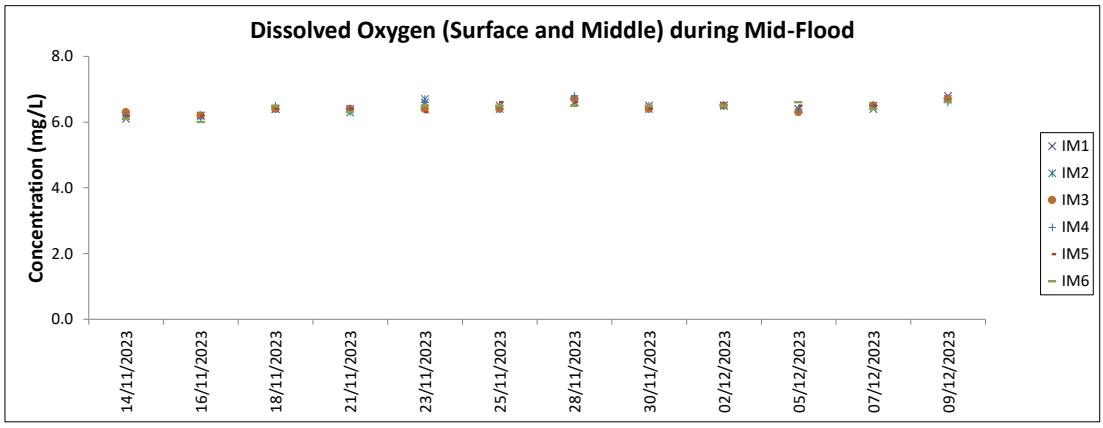
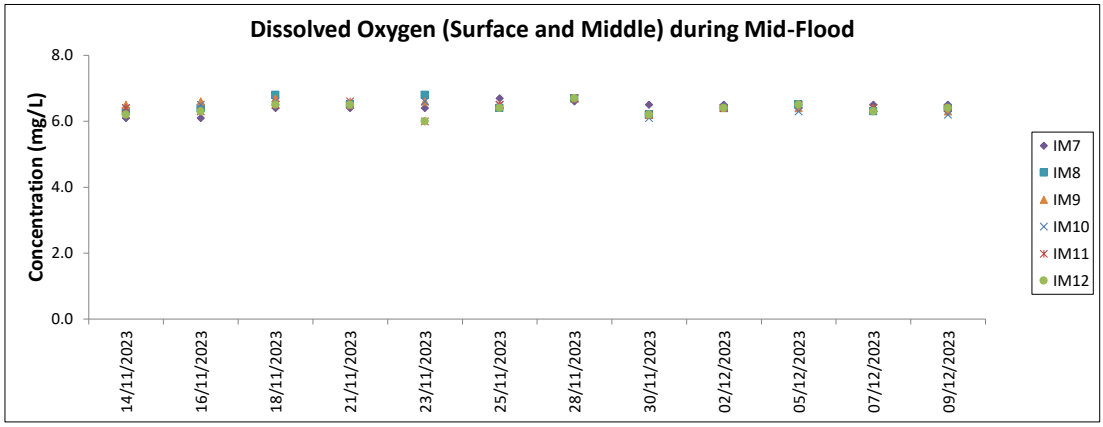
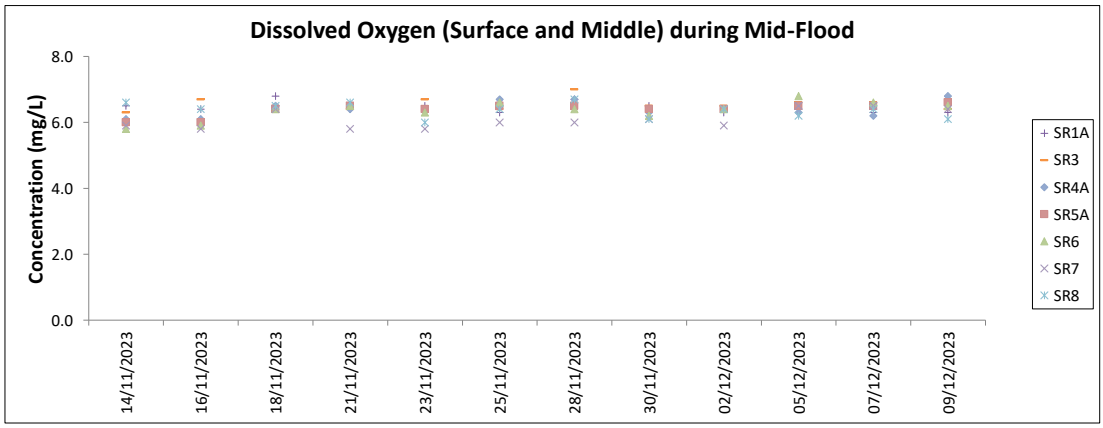
IM10
IM11
IM12


Dissolved Oxygen (Surface and Middle) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
0.0
14/11/2023
16/11/2023
18/11/2023
21/11/2023
23/11/2023
25/11/2023
28/11/2023
30/11/2023
02/12/2023
05/12/2023
07/12/2023
09/12/2023
SR1A
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8





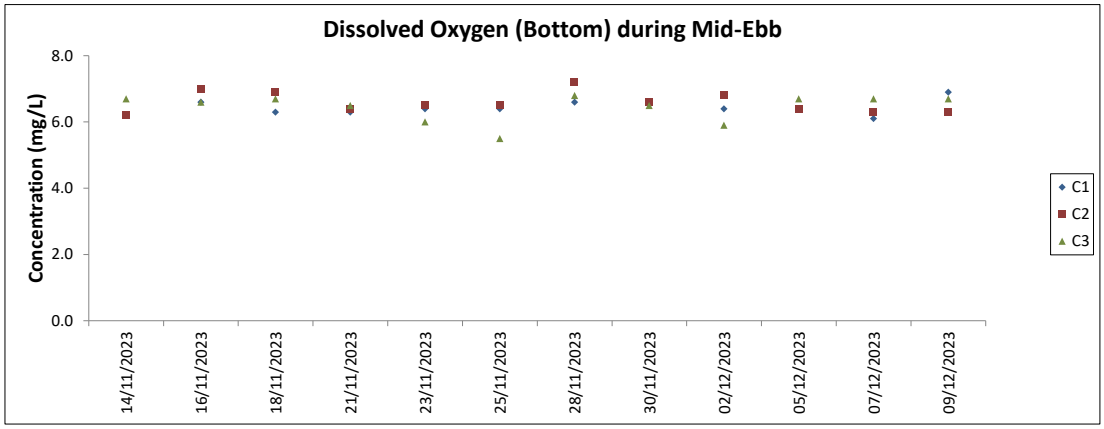




Note:

Weather conditions during monitoring are presented in the data tables above.

QA/ QC requirements as stipulated in the EM&A Manual were carried out during measurement.


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
8.0
6.0
4.0
2.0
0.0
14/11/2023
16/11/2023
18/11/2023
21/11/2023
23/11/2023
25/11/2023
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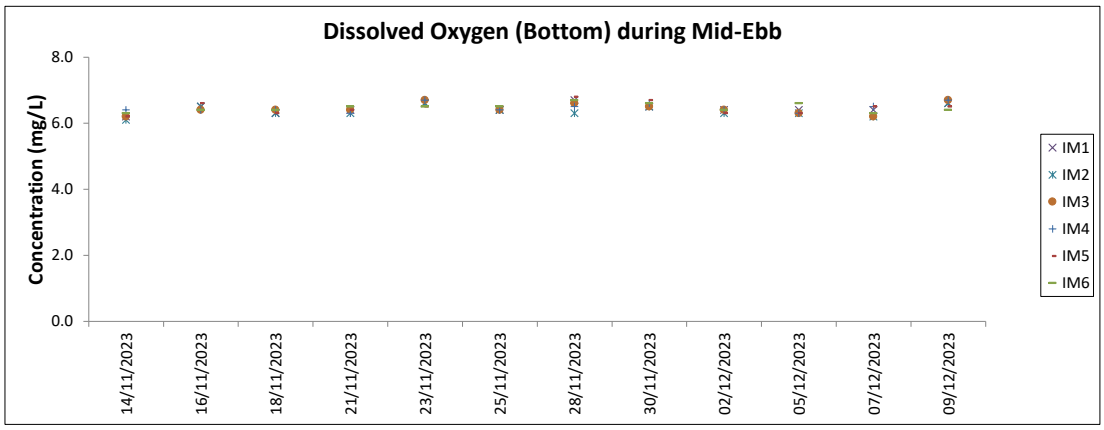
07/12/2023
09/12/2023
C1
C2
C3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4.0
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14/11/2023
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25/11/2023
28/11/2023
30/11/2023
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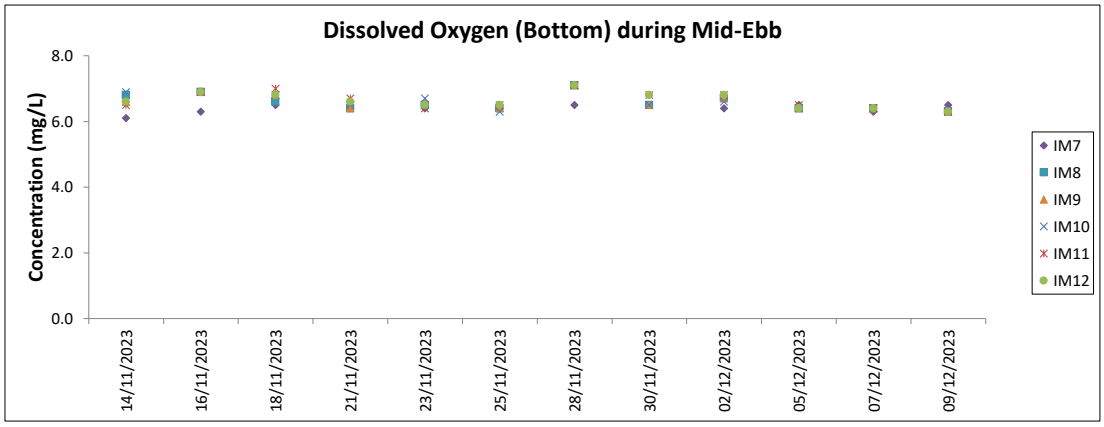
09/12/2023
IM1
IM2
IM3
IM4
IM5
IM6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23/11/2023
25/11/2023
28/11/2023
30/11/2023
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09/12/2023
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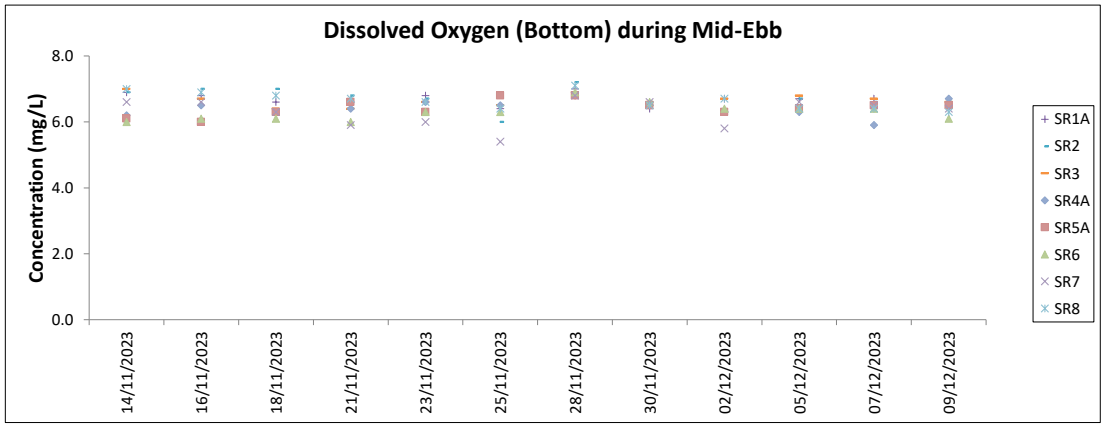
IM8
IM9
IM10
IM11
IM12


Dissolved Oxygen (Bottom) during Mid-Ebb
Concentration (mg/L)
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6.0
4.0
2.0
0.0
14/11/2023
16/11/2023
18/11/2023
21/11/2023
23/11/2023
25/11/2023
28/11/2023
30/11/2023
02/12/2023
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09/12/2023
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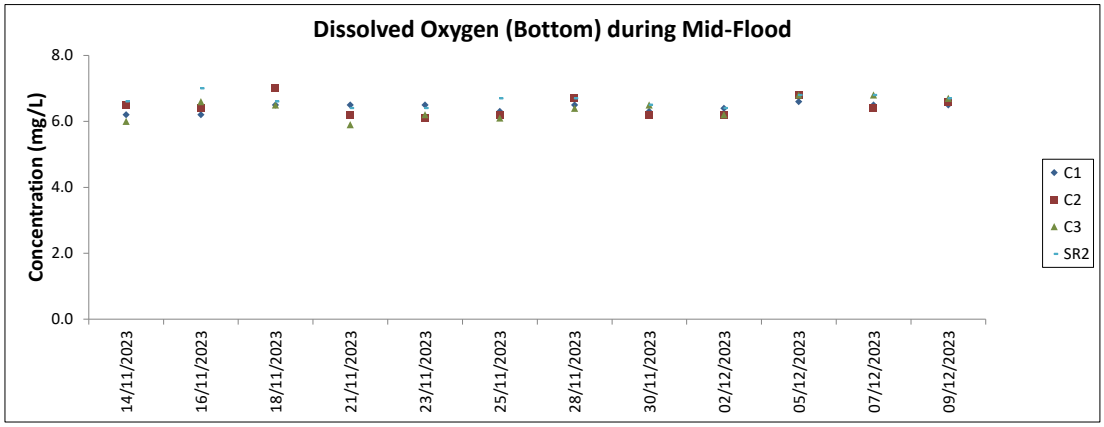
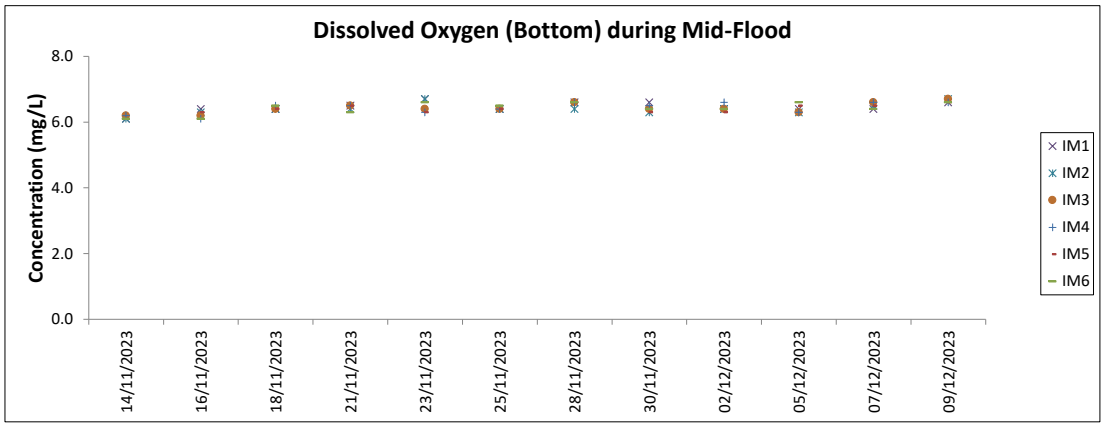
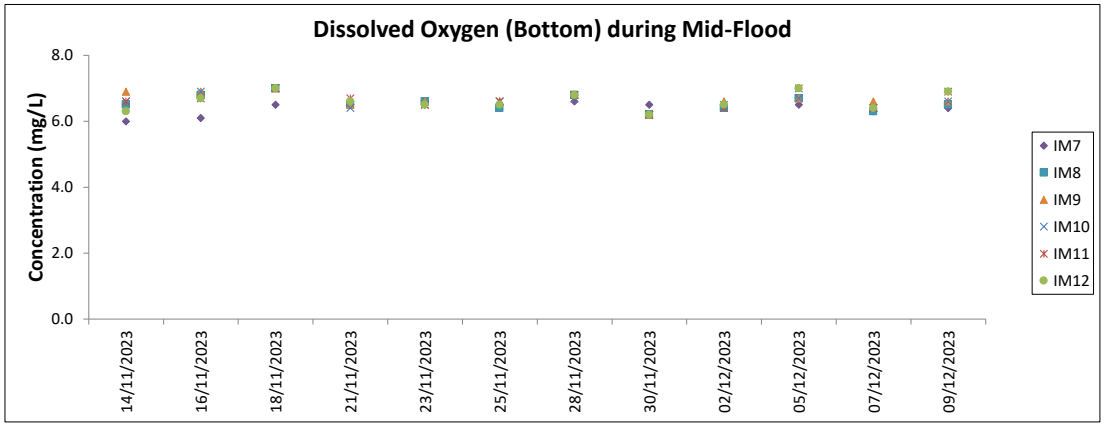
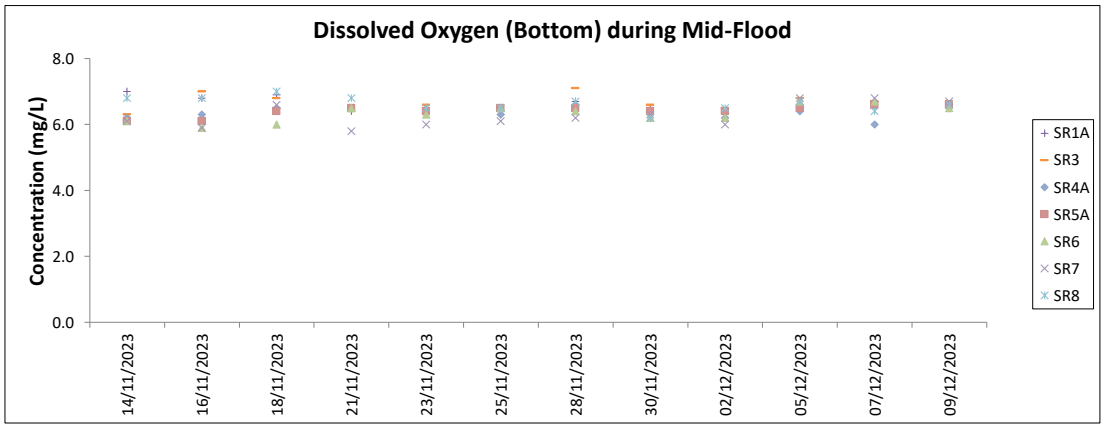
SR2
SR3
SR4A
SR5A
SR6
SR7
SR8









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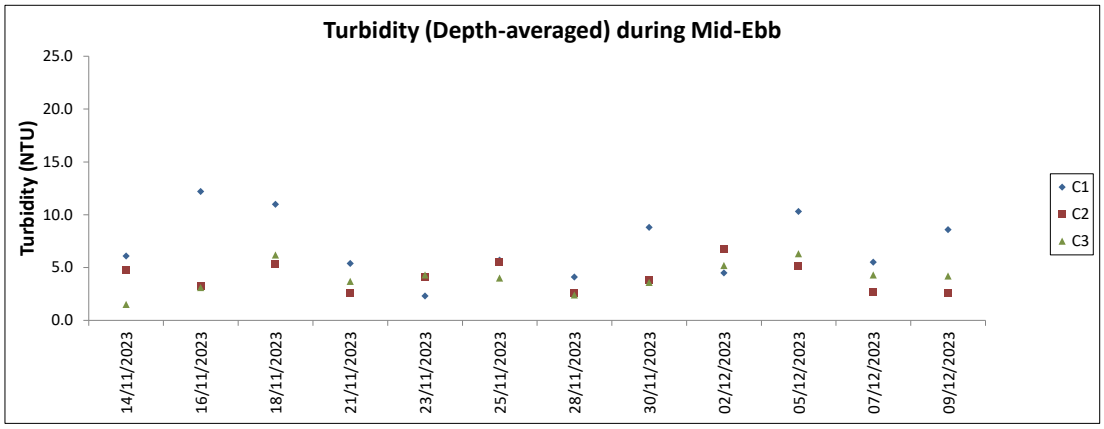

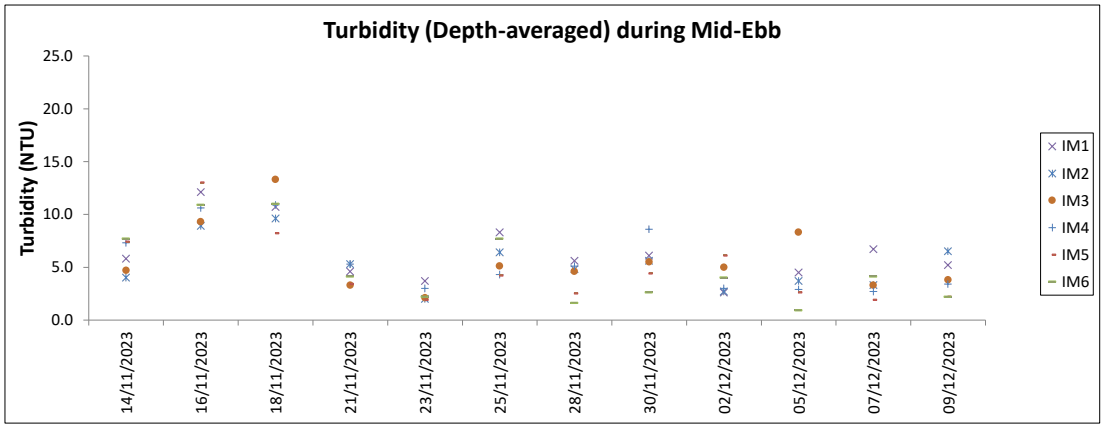

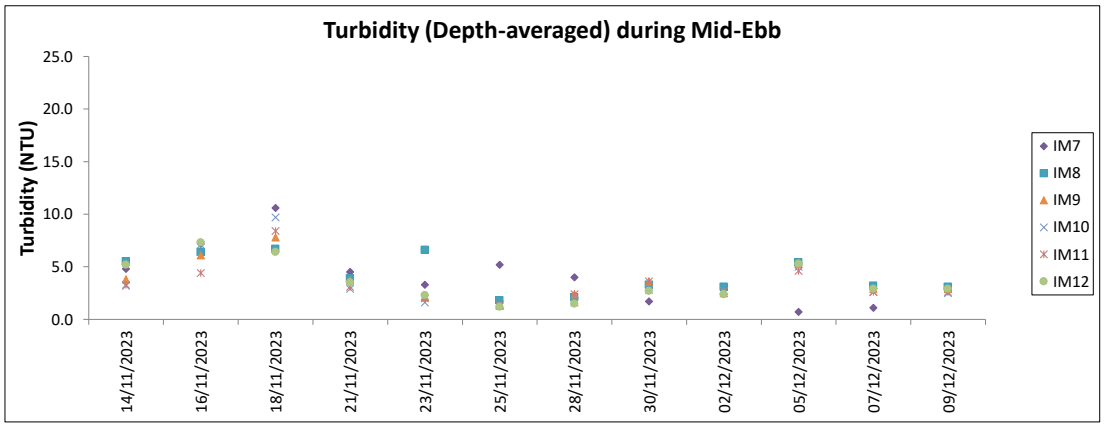

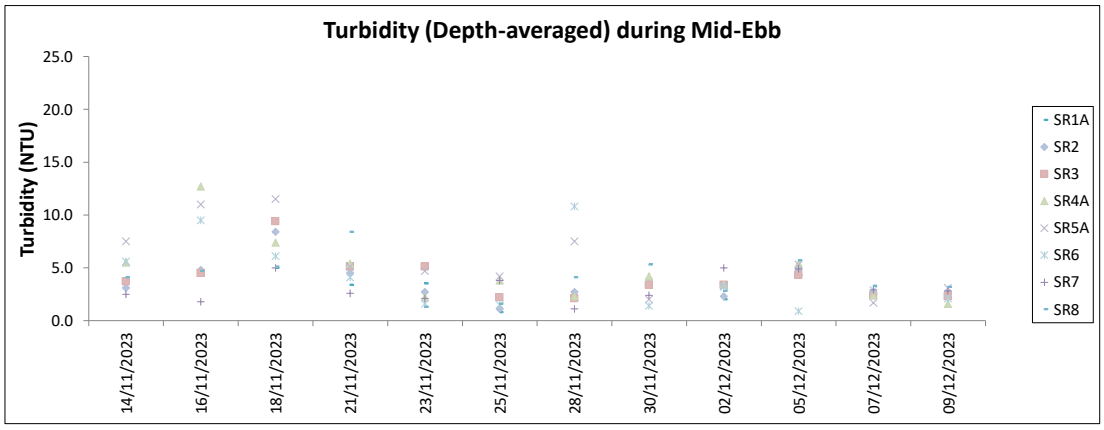

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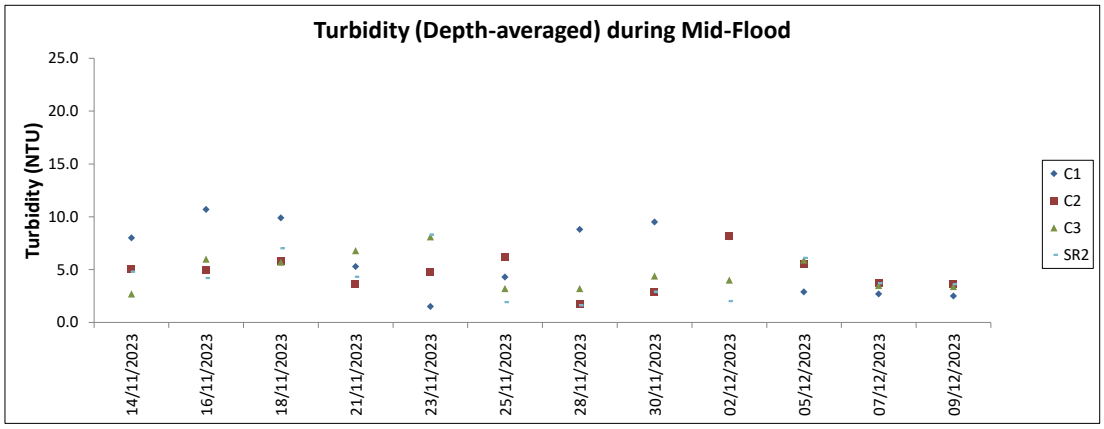

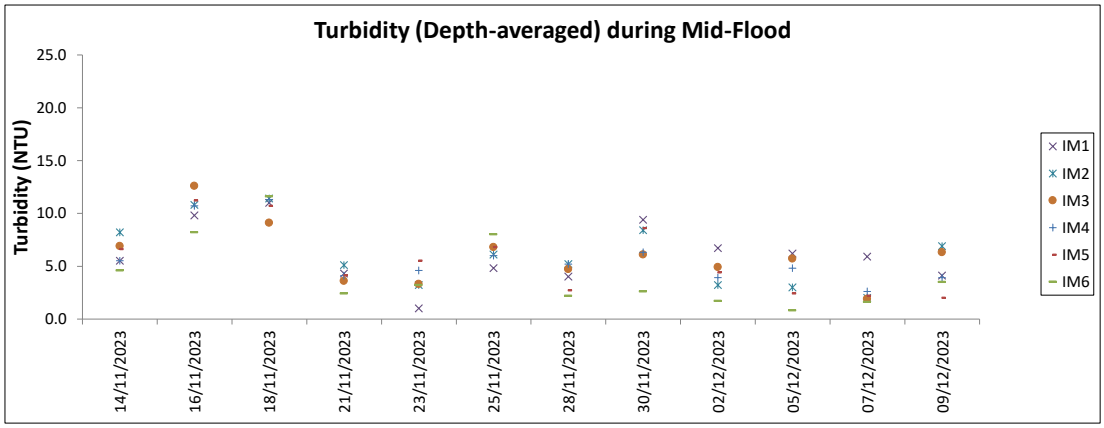

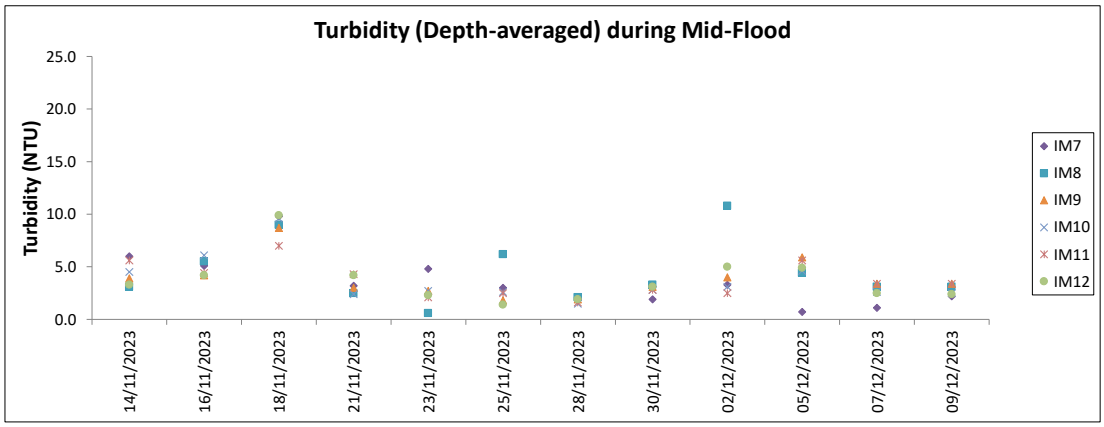

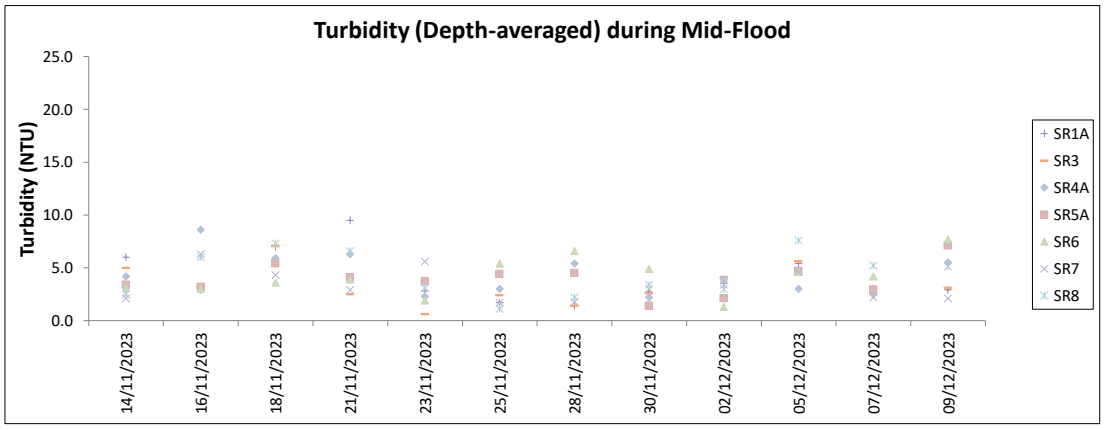

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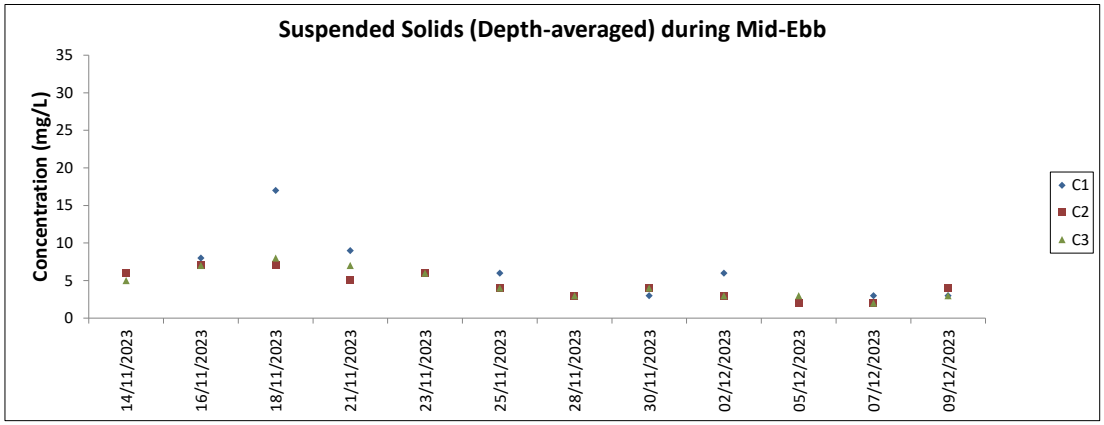

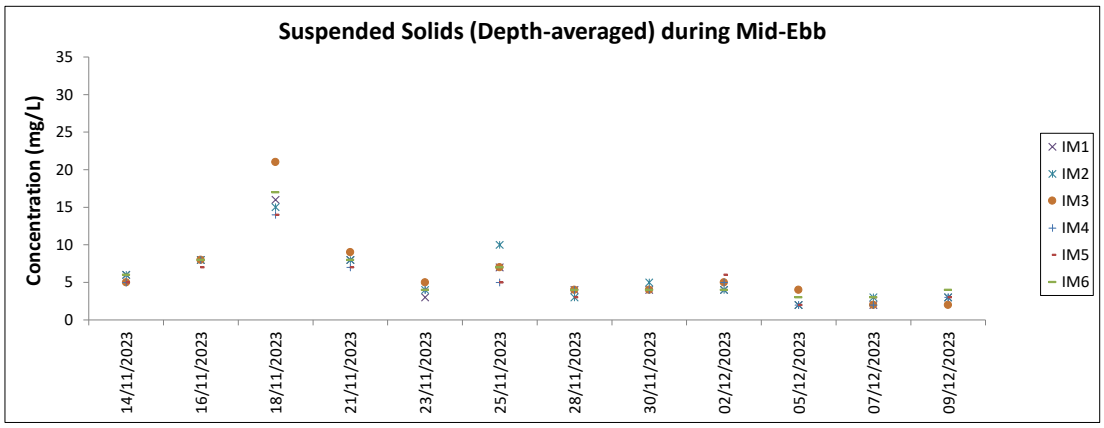

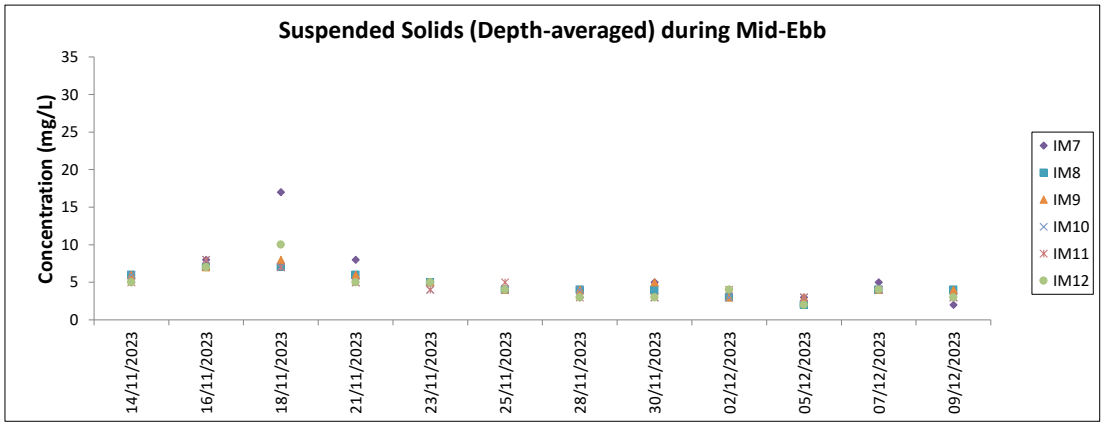

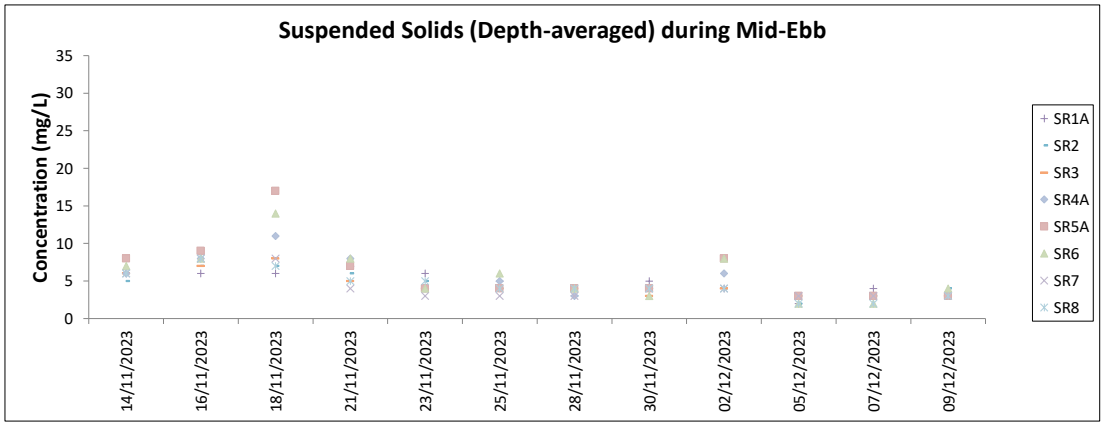

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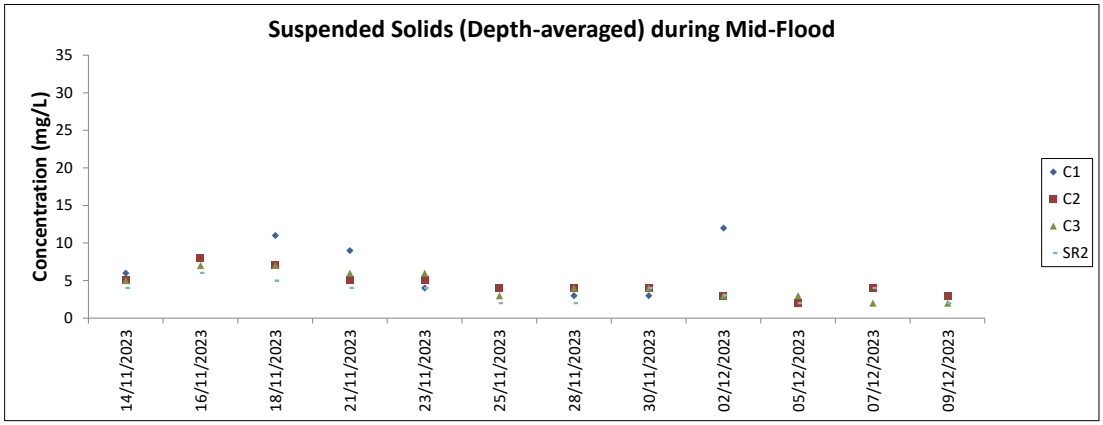

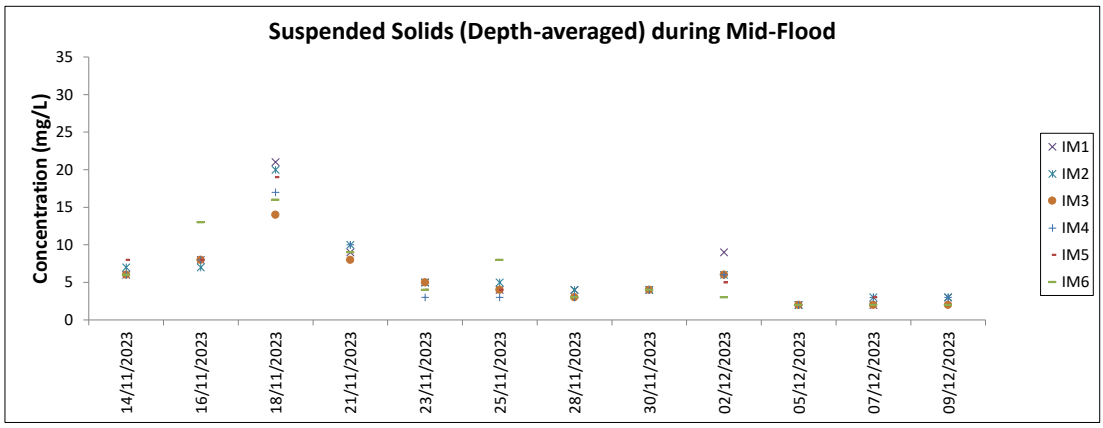

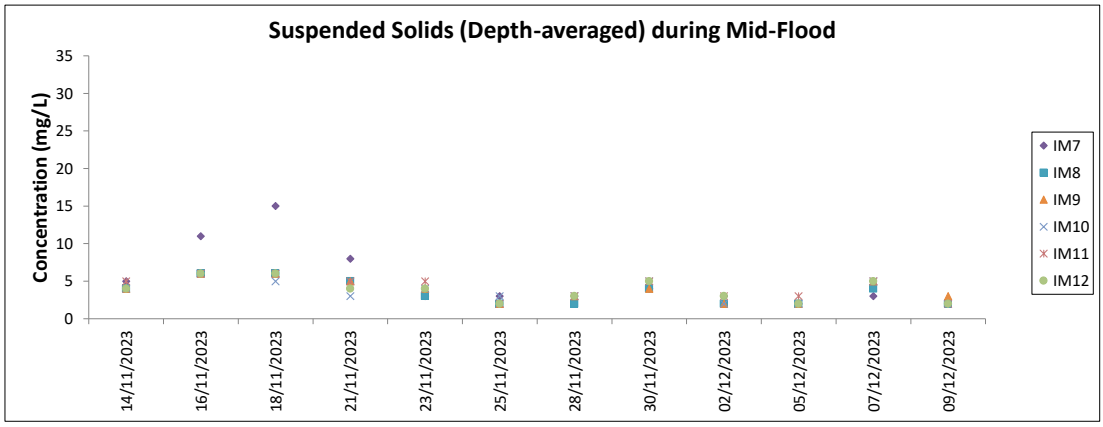

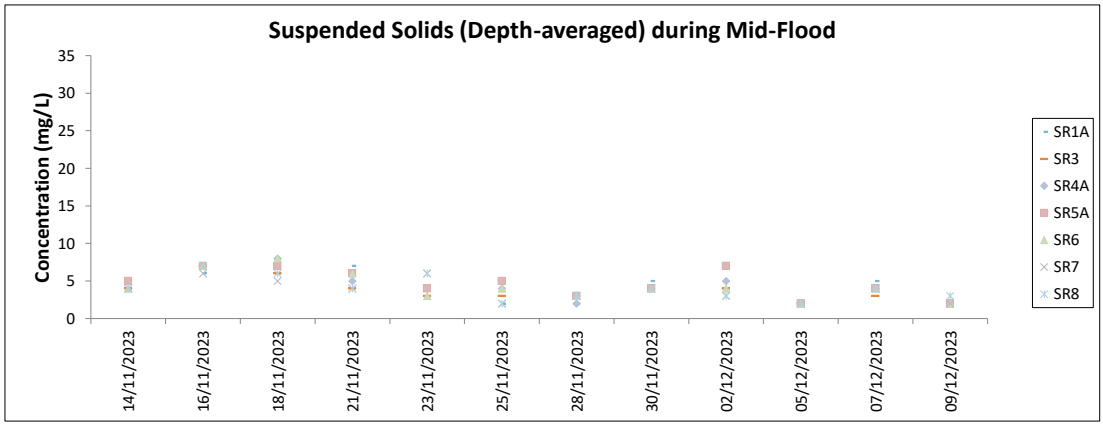

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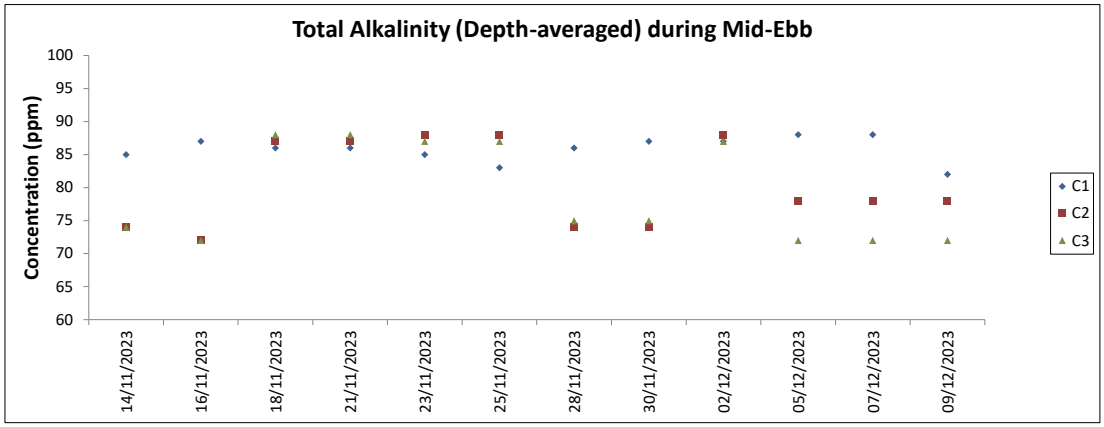

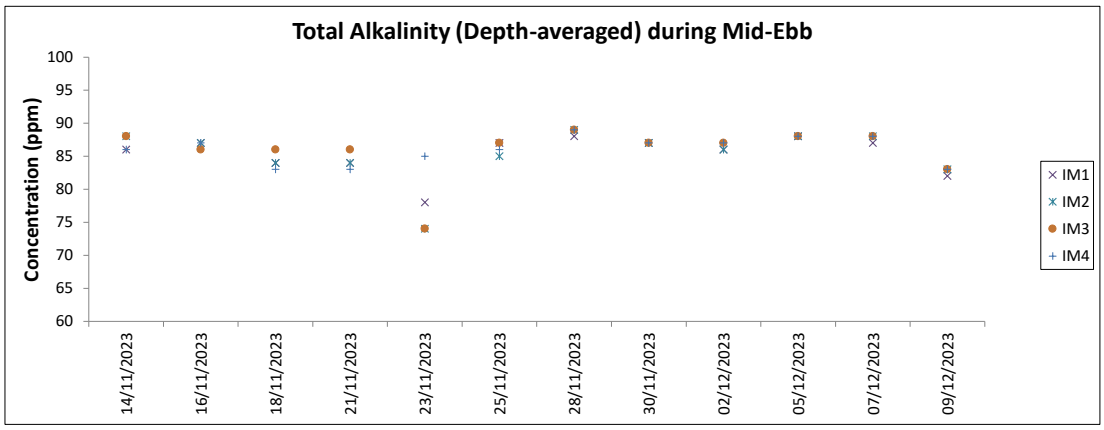

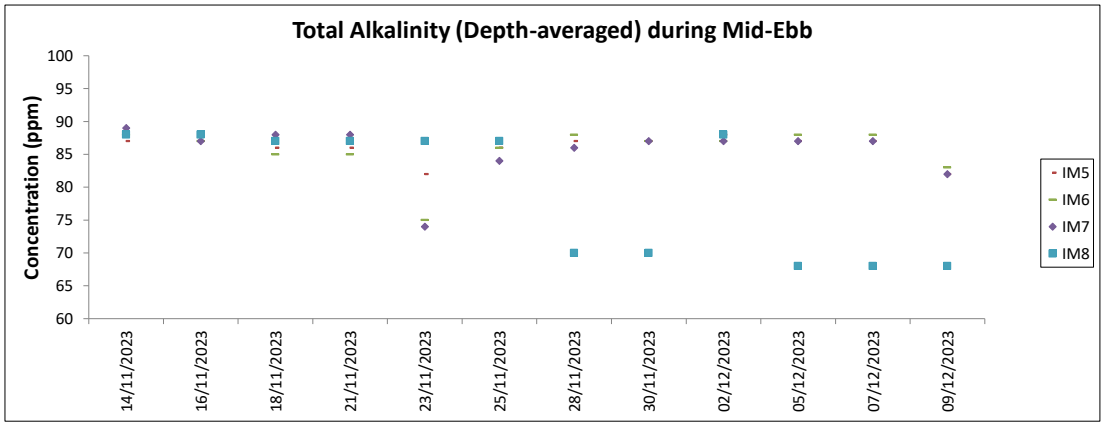

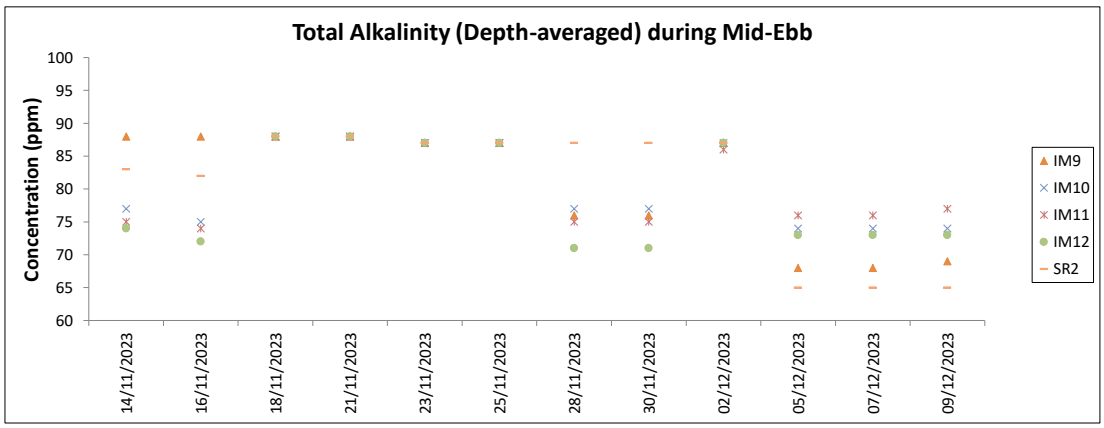

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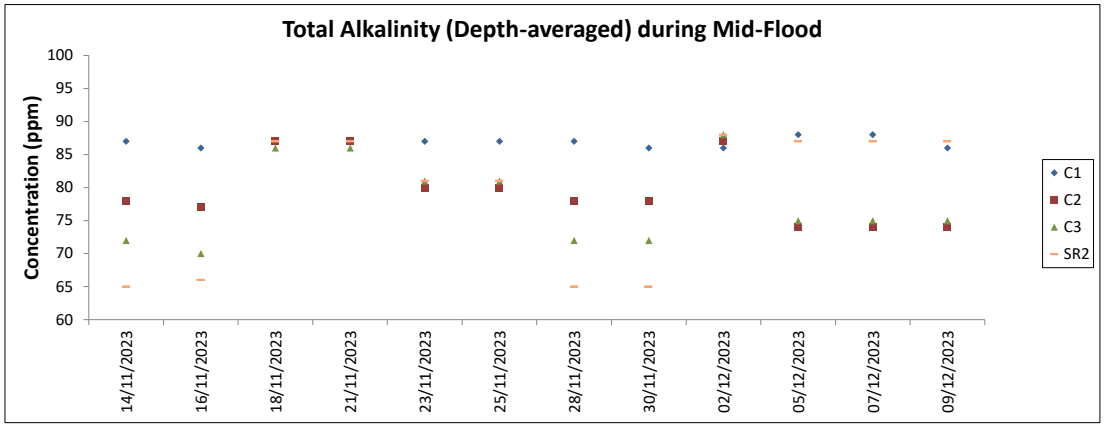

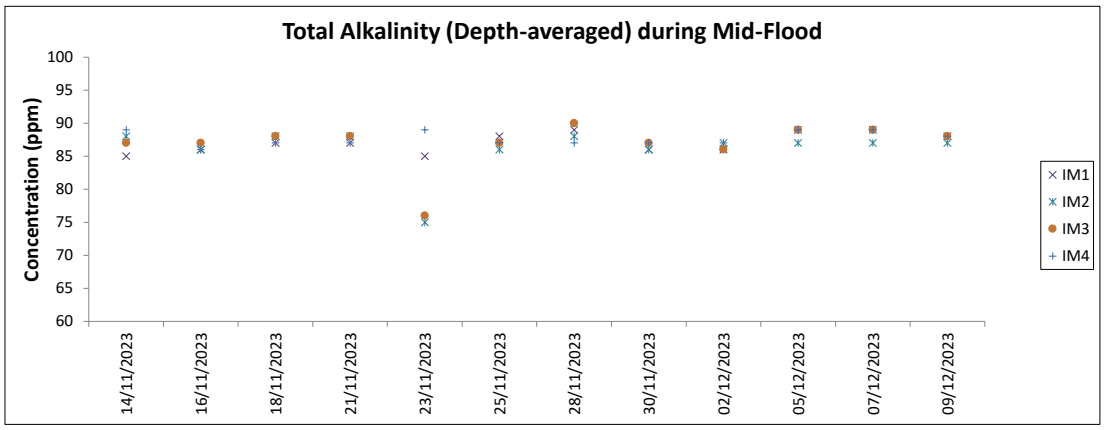

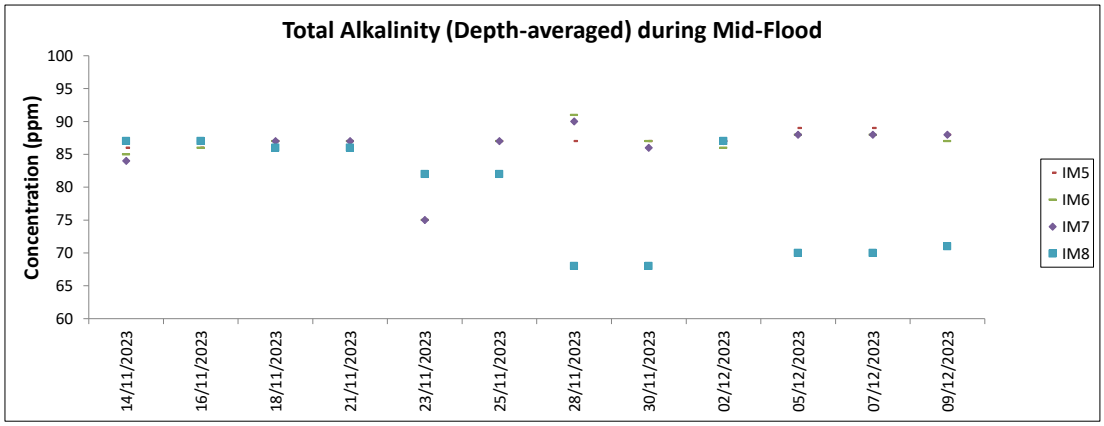

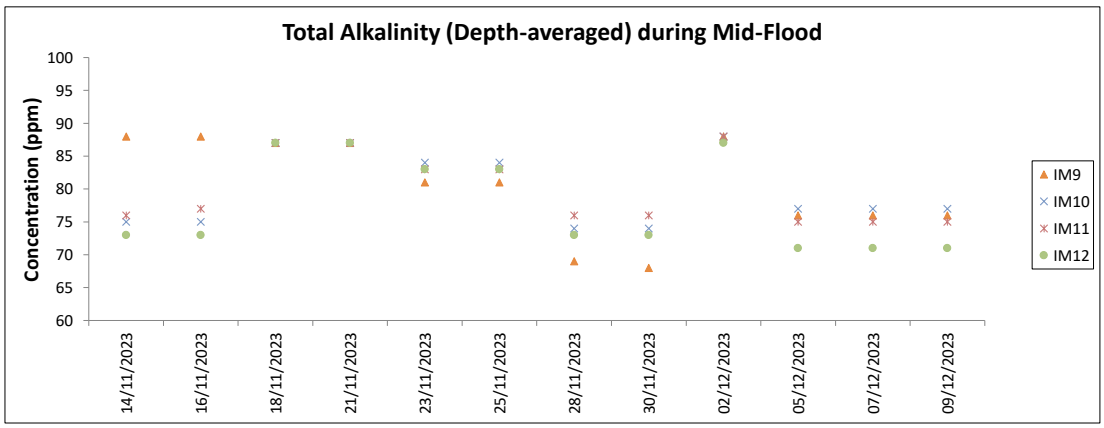

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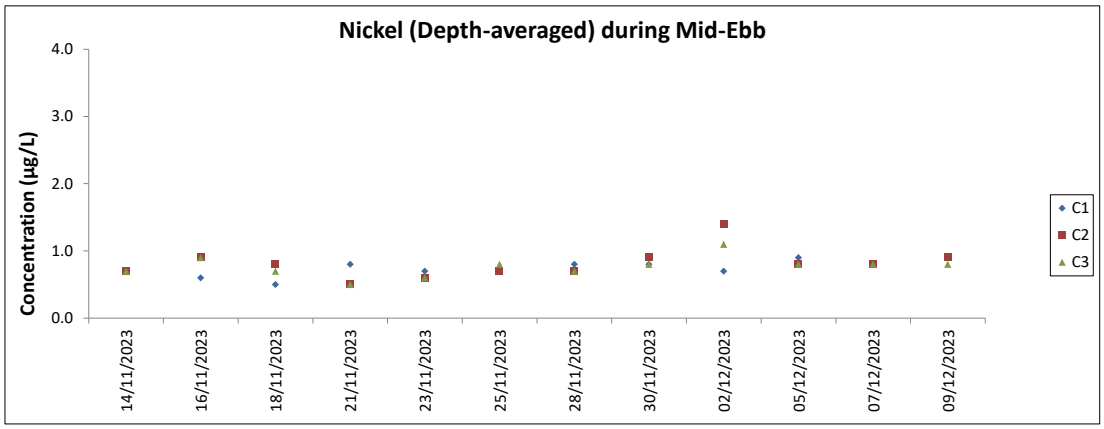

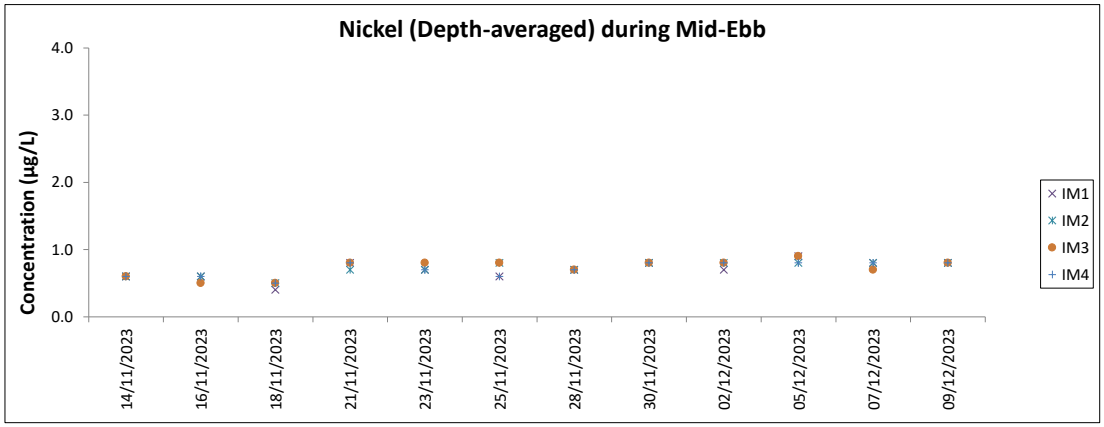

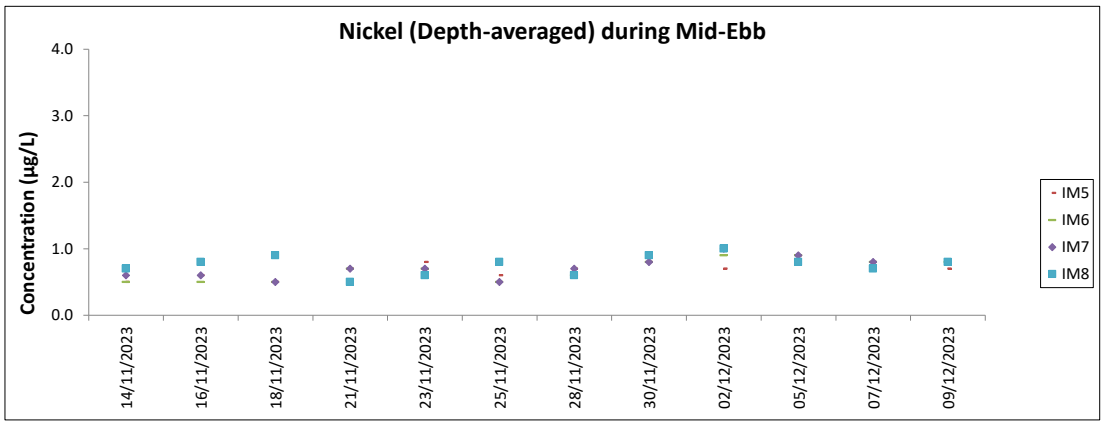

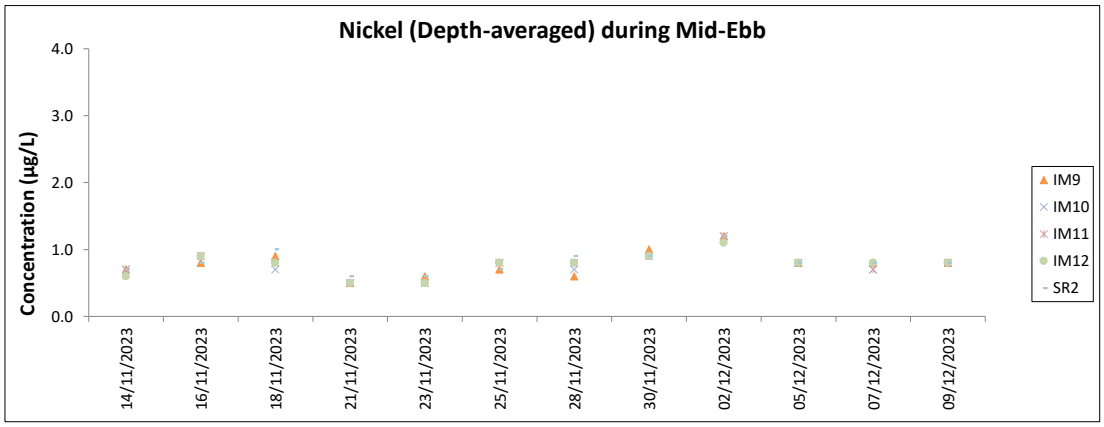

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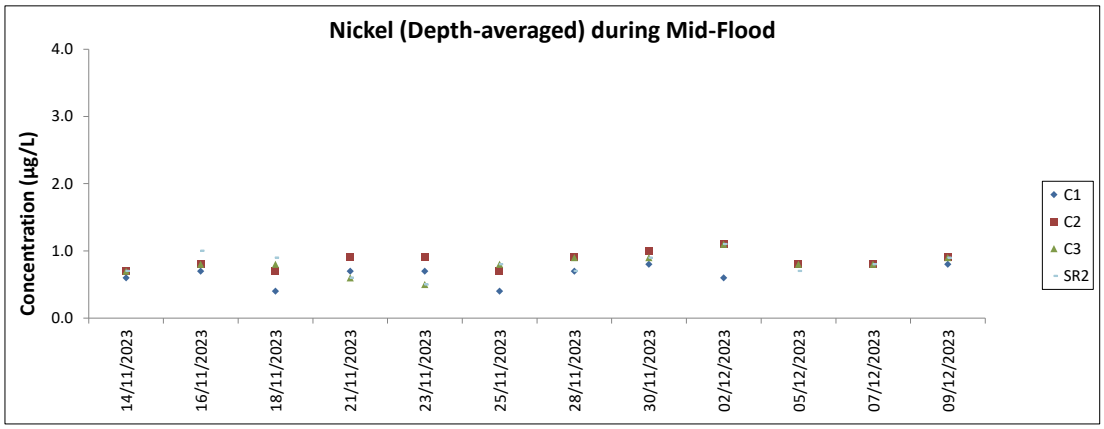

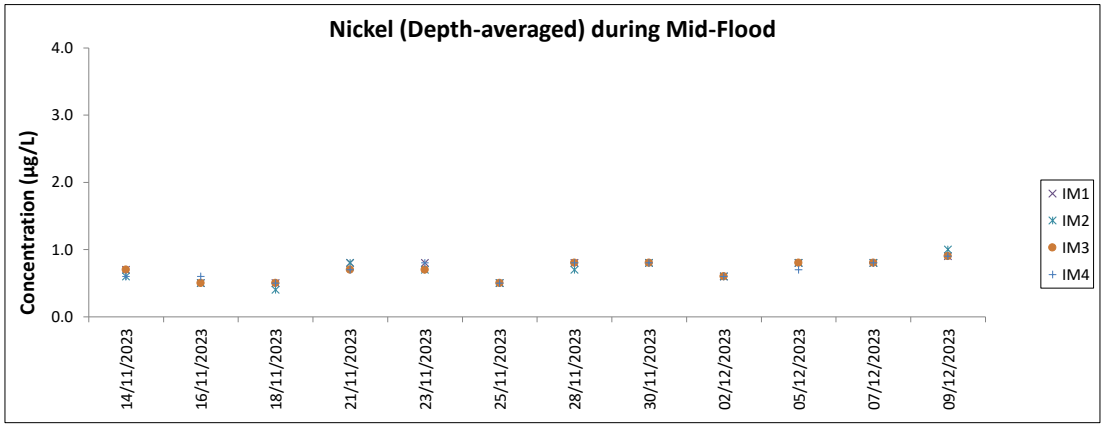

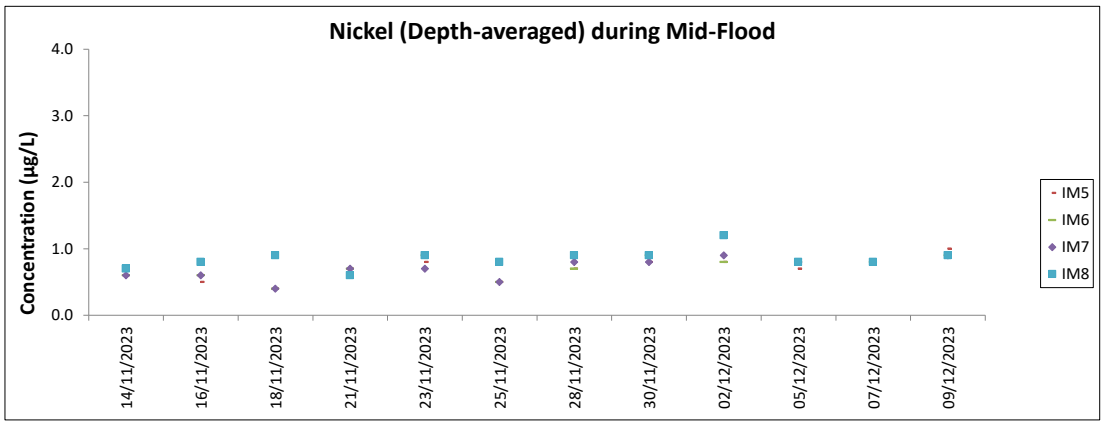

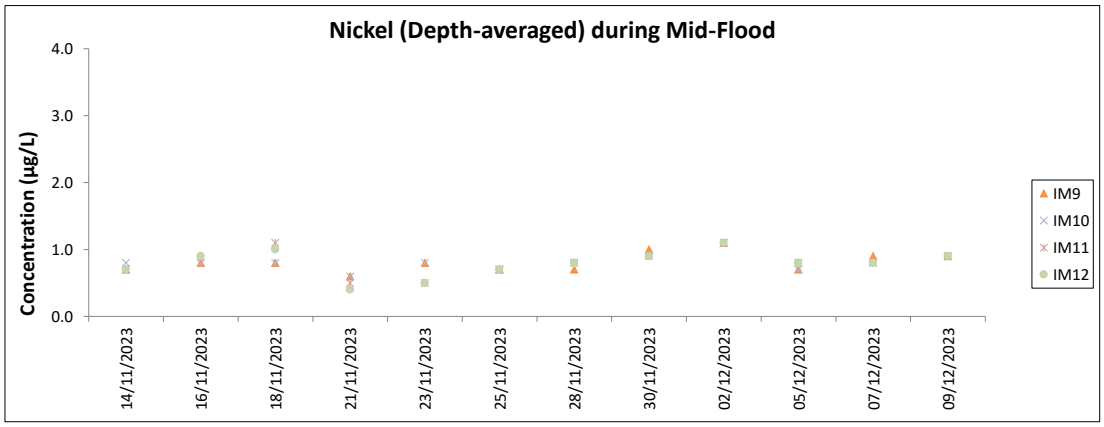

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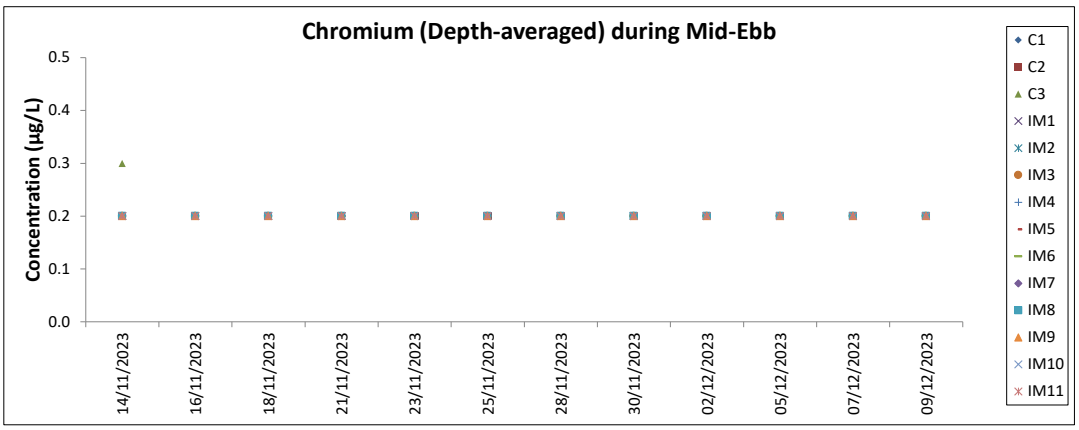

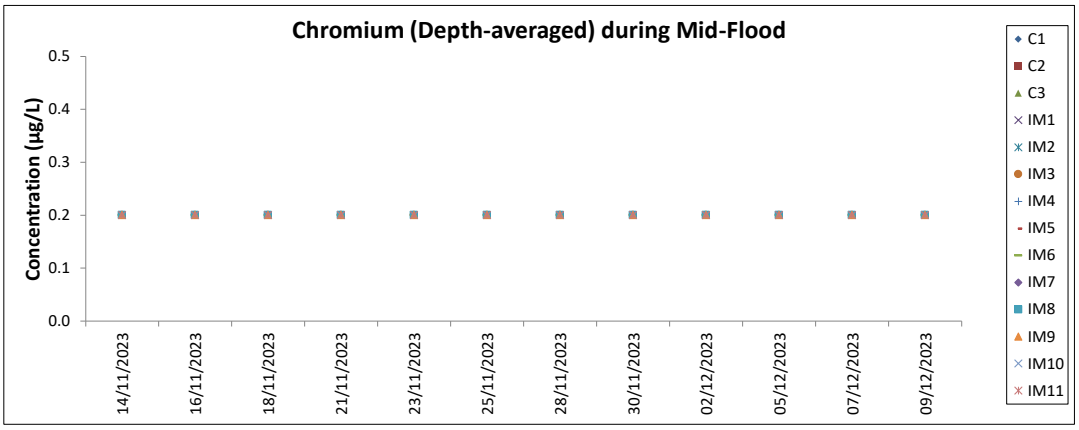

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Chinese White Dolphin Monitoring Results

CWD Small Vessel Line-transect Survey **Survey Effort Data**

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
06-Oct-23	NEL	2	26.24	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	3	10.33	AUTUMN	32166	3RS ET	P
06-Oct-23	NEL	2	6.37	AUTUMN	32166	3RS ET	S
06-Oct-23	NEL	3	4.39	AUTUMN	32166	3RS ET	S
12-Oct-23	NWL	2	11.4	AUTUMN	32166	3RS ET	P
12-Oct-23	NWL	3	52.8	AUTUMN	32166	3RS ET	P
12-Oct-23	NWL	2	4.3	AUTUMN	32166	3RS ET	S
12-Oct-23	NWL	3	7.3	AUTUMN	32166	3RS ET	S
13-Oct-23	AW	2	1.7	AUTUMN	32166	3RS ET	P
13-Oct-23	AW	3	3.03	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	2	11.126	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	3	7.776	AUTUMN	32166	3RS ET	P
13-Oct-23	WL	2	4.944	AUTUMN	32166	3RS ET	S
13-Oct-23	WL	3	5.384	AUTUMN	32166	3RS ET	S
16-Oct-23	NWL	3	63.8	AUTUMN	32166	3RS ET	P
16-Oct-23	NWL	3	11.8	AUTUMN	32166	3RS ET	S
17-Oct-23	NEL	2	1.7	AUTUMN	32166	3RS ET	P
17-Oct-23	NEL	3	33.64	AUTUMN	32166	3RS ET	P
17-Oct-23	NEL	2	4.5	AUTUMN	32166	3RS ET	S
17-Oct-23	NEL	3	7.26	AUTUMN	32166	3RS ET	S
20-Oct-23	AW	3	4.52	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	2	4.763	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	3	15.33	AUTUMN	32166	3RS ET	P
20-Oct-23	WL	2	2.967	AUTUMN	32166	3RS ET	S
20-Oct-23	WL	3	7.67	AUTUMN	32166	3RS ET	S
26-Oct-23	SWL	3	53.33	AUTUMN	32166	3RS ET	P
26-Oct-23	SWL	3	14.97	AUTUMN	32166	3RS ET	S
27-Oct-23	SWL	2	8.81	AUTUMN	32166	3RS ET	P
27-Oct-23	SWL	3	45.261	AUTUMN	32166	3RS ET	P
27-Oct-23	SWL	2	3.59	AUTUMN	32166	3RS ET	S
27-Oct-23	SWL	3	12.389	AUTUMN	32166	3RS ET	S
06-Nov-23	SWL	2	35.185	AUTUMN	32166	3RS ET	P
06-Nov-23	SWL	3	16.77	AUTUMN	32166	3RS ET	P
06-Nov-23	SWL	2	12.371	AUTUMN	32166	3RS ET	S
06-Nov-23	SWL	3	3.57	AUTUMN	32166	3RS ET	S
07-Nov-23	NEL	2	12.86	AUTUMN	32166	3RS ET	P
07-Nov-23	NEL	3	18.4	AUTUMN	32166	3RS ET	P
07-Nov-23	NEL	1	5	AUTUMN	32166	3RS ET	P
07-Nov-23	NEL	2	7.64	AUTUMN	32166	3RS ET	S
07-Nov-23	NEL	3	1.1	AUTUMN	32166	3RS ET	S
07-Nov-23	NEL	1	1.7	AUTUMN	32166	3RS ET	S
09-Nov-23	NWL	2	0.9	AUTUMN	32166	3RS ET	P
09-Nov-23	NWL	3	59.3	AUTUMN	32166	3RS ET	P
09-Nov-23	NWL	3	10.2	AUTUMN	32166	3RS ET	S
13-Nov-23	AW	3	6.49	AUTUMN	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
13-Nov-23	WL	3	9.799	AUTUMN	32166	3RS ET	P
13-Nov-23	WL	3	8.121	AUTUMN	32166	3RS ET	S
14-Nov-23	NWL	2	22.6	AUTUMN	32166	3RS ET	P
14-Nov-23	NWL	3	41	AUTUMN	32166	3RS ET	P
14-Nov-23	NWL	3	6	AUTUMN	32166	3RS ET	S
14-Nov-23	NWL	2	5.8	AUTUMN	32166	3RS ET	S
15-Nov-23	AW	2	1.34	AUTUMN	32166	3RS ET	P
15-Nov-23	AW	3	2.96	AUTUMN	32166	3RS ET	P
15-Nov-23	WL	2	0.25	AUTUMN	32166	3RS ET	P
15-Nov-23	WL	3	18.362	AUTUMN	32166	3RS ET	P
15-Nov-23	WL	2	1.13	AUTUMN	32166	3RS ET	S
15-Nov-23	WL	3	8.41	AUTUMN	32166	3RS ET	S
16-Nov-23	NEL	2	6.91	AUTUMN	32166	3RS ET	P
16-Nov-23	NEL	3	26.11	AUTUMN	32166	3RS ET	P
16-Nov-23	NEL	2	2.96	AUTUMN	32166	3RS ET	S
16-Nov-23	NEL	3	7.02	AUTUMN	32166	3RS ET	S
20-Nov-23	SWL	2	36.96	AUTUMN	32166	3RS ET	P
20-Nov-23	SWL	3	15.97	AUTUMN	32166	3RS ET	P
20-Nov-23	SWL	2	13.26	AUTUMN	32166	3RS ET	S
20-Nov-23	SWL	3	3.3	AUTUMN	32166	3RS ET	S
04-Dec-23	NWL	2	26.3	WINTER	32166	3RS ET	P
04-Dec-23	NWL	3	37.6	WINTER	32166	3RS ET	P
04-Dec-23	NWL	2	6.3	WINTER	32166	3RS ET	S
04-Dec-23	NWL	3	4.9	WINTER	32166	3RS ET	S
11-Dec-23	SWL	1	4.81	WINTER	32166	3RS ET	P
11-Dec-23	SWL	2	48.72	WINTER	32166	3RS ET	P
11-Dec-23	SWL	2	15.11	WINTER	32166	3RS ET	S
13-Dec-23	NEL	3	36.57	WINTER	32166	3RS ET	P
13-Dec-23	NEL	3	10.23	WINTER	32166	3RS ET	S
14-Dec-23	NWL	2	54	WINTER	32166	3RS ET	P
14-Dec-23	NWL	3	9.8	WINTER	32166	3RS ET	P
14-Dec-23	NWL	2	9.6	WINTER	32166	3RS ET	S
14-Dec-23	NWL	3	1.4	WINTER	32166	3RS ET	S
18-Dec-23	NEL	2	29.453	WINTER	32166	3RS ET	P
18-Dec-23	NEL	3	7.597	WINTER	32166	3RS ET	P
18-Dec-23	NEL	2	5.64	WINTER	32166	3RS ET	S
18-Dec-23	NEL	3	4.2	WINTER	32166	3RS ET	S
19-Dec-23	AW	3	4.89	WINTER	32166	3RS ET	P
19-Dec-23	WL	3	8.79	WINTER	32166	3RS ET	P
19-Dec-23	WL	3	4.71	WINTER	32166	3RS ET	S
27-Dec-23	AW	2	4.74	WINTER	32166	3RS ET	P
27-Dec-23	WL	2	11.071	WINTER	32166	3RS ET	P
27-Dec-23	WL	3	3.212	WINTER	32166	3RS ET	P
27-Dec-23	WL	2	9.414	WINTER	32166	3RS ET	S
27-Dec-23	WL	3	1.09	WINTER	32166	3RS ET	S
28-Dec-23	SWL	2	33.05	WINTER	32166	3RS ET	P
28-Dec-23	SWL	3	20.81	WINTER	32166	3RS ET	P

DATE	AREA	BEAU	KM SEARCHED	SEASON	VESSEL	TYPE	P/S
28-Dec-23	SWL	2	11.57	WINTER	32166	3RS ET	S
28-Dec-23	SWL	3	3.49	WINTER	32166	3RS ET	S

CWD Small Vessel Line-transect Survey

Sighting Data

DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
13-Oct-23	1	1028	CWD	2	WL	2	243	ON	KJ	3RS ET	22.260779	113.853468	AUTUMN	S
13-Oct-23	2	1043	CWD	2	WL	2	34	ON	KN	3RS ET	22.260956	113.840829	AUTUMN	P
13-Oct-23	3	1058	CWD	1	WL	3	91	ON	KJ	3RS ET	22.250437	113.841275	AUTUMN	P
13-Oct-23	4	1117	CWD	9	WL	2	126	ON	KN	3RS ET	22.241167	113.841706	AUTUMN	P
13-Oct-23	5	1149	CWD	3	WL	2	139	ON	KJ	3RS ET	22.241672	113.829845	AUTUMN	P
20-Oct-23	1	1149	CWD	2	WL	2	15	ON	JTA	3RS ET	22.196308	113.834539	AUTUMN	P
27-Oct-23	1	1202	FP	2	SWL	3	45	ON	DC	3RS ET	22.151171	113.908504	AUTUMN	P
27-Oct-23	2	1216	CWD	1	SWL	2	128	ON	DC	3RS ET	22.168029	113.906685	AUTUMN	S
06-Nov-23	1	1038	FP	6	SWL	2	144	ON	KJ	3RS ET	22.179714	113.936292	AUTUMN	P
06-Nov-23	2	1041	FP	4	SWL	2	55	ON	JT	3RS ET	22.174271	113.936089	AUTUMN	P
06-Nov-23	3	1050	FP	3	SWL	2	442	ON	JT	3RS ET	22.159022	113.936224	AUTUMN	P
06-Nov-23	4	1058	FP	1	SWL	2	52	ON	KJ	3RS ET	22.145772	113.931080	AUTUMN	S
06-Nov-23	5	1102	FP	5	SWL	2	113	ON	JT	3RS ET	22.147034	113.927694	AUTUMN	P
06-Nov-23	6	1114	FP	2	SWL	2	40	ON	IY	3RS ET	22.168425	113.927825	AUTUMN	P
06-Nov-23	7	1435	CWD	5	SWL	2	160	ON	IY	3RS ET	22.199740	113.860026	AUTUMN	S
06-Nov-23	8	1509	CWD	15	SWL	3	398	ON	KJ	3RS ET	22.185090	113.849075	AUTUMN	P
13-Nov-23	1	1121	CWD	8	WL	3	32	ON	JUT	3RS ET	22.223555	113.836856	AUTUMN	S
13-Nov-23	2	1204	CWD	5	WL	3	4	ON	JT	3RS ET	22.214224	113.831569	AUTUMN	P
15-Nov-23	1	0939	CWD	3	AW	2	463	ON	IY	3RS ET	22.293376	113.877038	AUTUMN	P
15-Nov-23	2	1022	CWD	1	WL	3	247	ON	IY	3RS ET	22.284568	113.861728	AUTUMN	P
15-Nov-23	3	1102	CWD	1	WL	3	208	ON	IY	3RS ET	22.260917	113.845227	AUTUMN	P
15-Nov-23	4	1131	CWD	3	WL	3	449	ON	DC	3RS ET	22.242099	113.836970	AUTUMN	P
15-Nov-23	5	1205	CWD	3	WL	3	190	ON	KJ	3RS ET	22.224754	113.837304	AUTUMN	S
15-Nov-23	6	1213	CWD	2	WL	3	470	ON	KJ	3RS ET	22.223496	113.823713	AUTUMN	P
15-Nov-23	7	1220	CWD	2	WL	3	650	ON	KJ	3RS ET	22.215539	113.819722	AUTUMN	S
20-Nov-23	1	1042	FP	2	SWL	3	180	ON	JT	3RS ET	22.173928	113.935982	AUTUMN	P
20-Nov-23	2	1104	FP	1	SWL	2	37	ON	JT	3RS ET	22.158240	113.927296	AUTUMN	P
20-Nov-23	3	1115	FP	2	SWL	2	233	ON	JUT	3RS ET	22.180467	113.928151	AUTUMN	P
20-Nov-23	4	1156	FP	2	SWL	2	113	ON	KN	3RS ET	22.146640	113.917842	AUTUMN	P
11-Dec-23	1	1243	CWD	1	SWL	2	285	ON	KN	3RS ET	22.202903	113.897445	WINTER	P
11-Dec-23	2	1339	CWD	2	SWL	2	180	ON	KN	3RS ET	22.195981	113.887741	WINTER	P

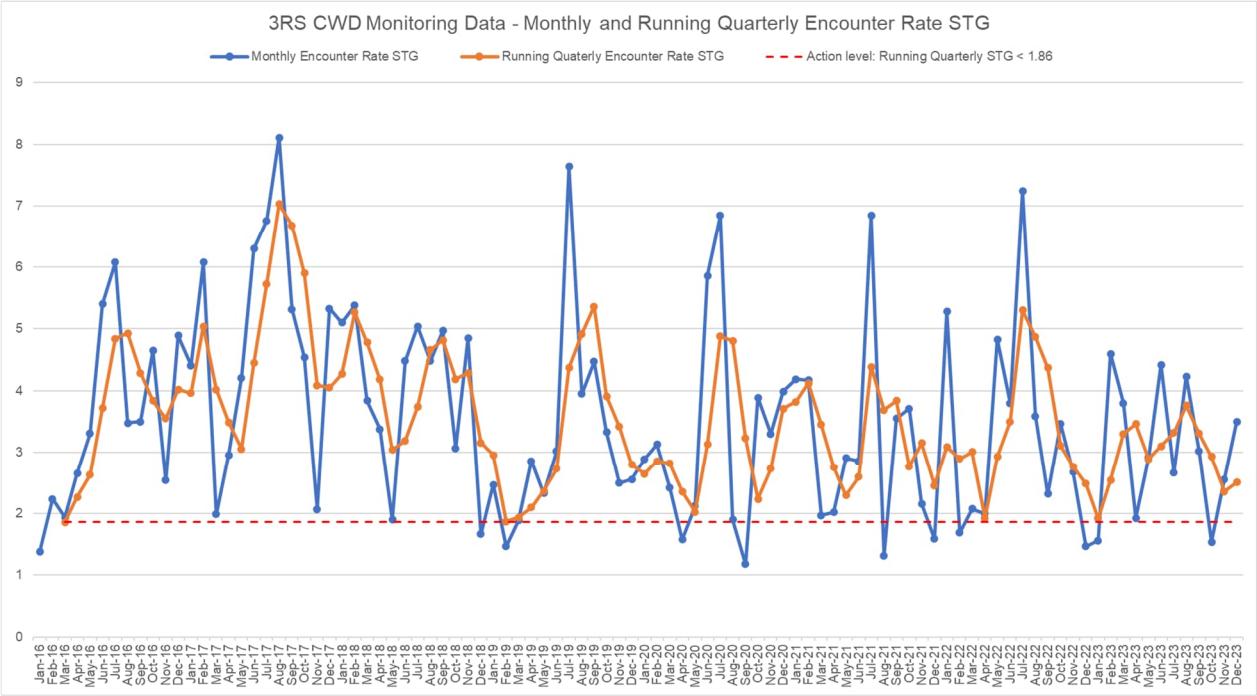
DATE	STG #	TIME	CWD/FP	GP SZ	AREA	BEAU	PSD	EFFORT	TYPE	DEC LAT	DEC LON	SEASON	BOAT ASSOC.	P/S
11-Dec-23	3	1423	CWD	2	SWL	2	274	ON	KJ	3RS ET	22.179612	113.878398	WINTER	P
11-Dec-23	4	1445	CWD	2	SWL	2	594	ON	KJ	3RS ET	22.176185	113.868402	WINTER	P
27-Dec-23	1	1004	CWD	1	WL	2	489	ON	JTA	3RS ET	22.290284	113.861290	WINTER	P
27-Dec-23	2	1033	CWD	2	WL	2	16	ON	JT	3RS ET	22.269684	113.844927	WINTER	S
27-Dec-23	3	1041	CWD	1	WL	2	1	ON	KJ	3RS ET	22.269091	113.852531	WINTER	P
27-Dec-23	4	1057	CWD	5	WL	2	413	ON	JT	3RS ET	22.261197	113.852742	WINTER	P
27-Dec-23	5	1154	CWD	1	WL	2	72	ON	JTA	3RS ET	22.222960	113.833060	WINTER	P
27-Dec-23	6	1203	CWD	2	WL	2	26	ON	JT	3RS ET	22.223131	113.828200	WINTER	P
27-Dec-23	7	1216	CWD	6	WL	2	420	ON	JT	3RS ET	22.223018	113.824091	WINTER	P
27-Dec-23	8	1239	CWD	2	WL	3	99	ON	KJ	3RS ET	22.213960	113.823082	WINTER	P
27-Dec-23	9	1253	CWD	2	WL	2	631	ON	KJ	3RS ET	22.206000	113.838122	WINTER	P
27-Dec-23	10	1310	CWD	1	WL	2	12	ON	JT	3RS ET	22.195912	113.830588	WINTER	P
28-Dec-23	1	1313	FP	1	SWL	2	29	ON	JT	3RS ET	22.151581	113.889482	WINTER	S
28-Dec-23	2	1348	CWD	1	SWL	2	43	ON	IY	3RS ET	22.204239	113.878238	WINTER	P

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

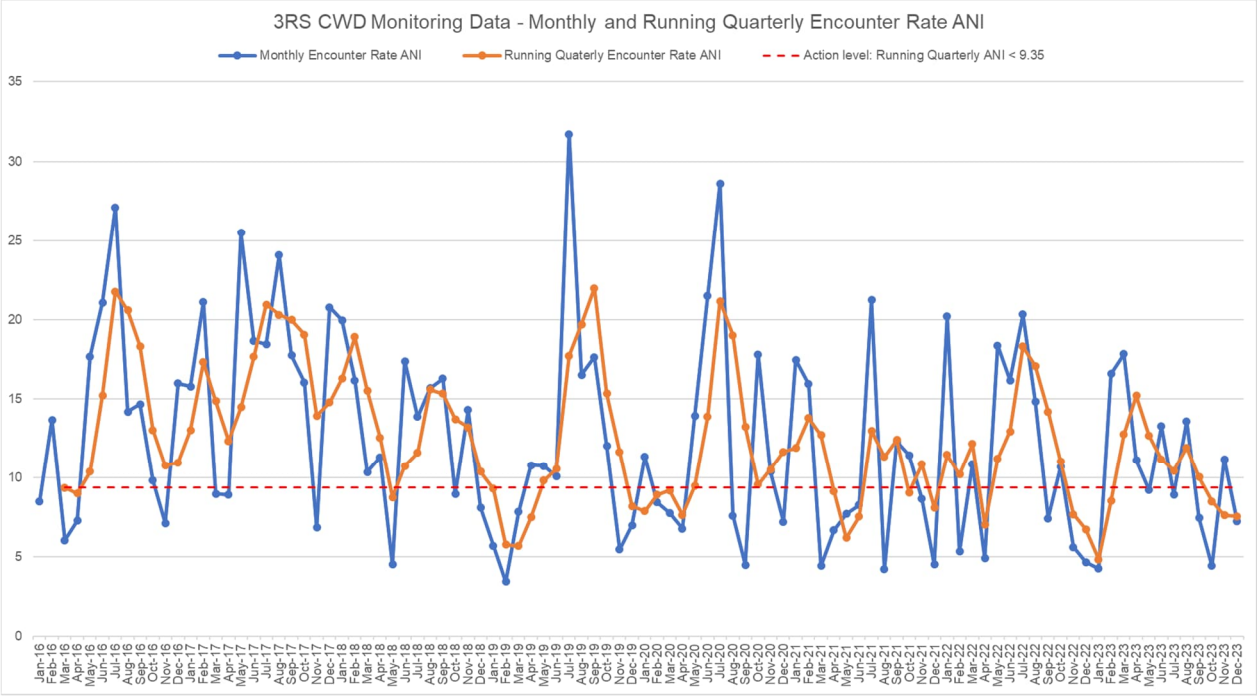
Sighting data of finless porpoise (FP) are presented for reference only. No relevant figure or text will be mentioned in the quarterly EM&A report. All FP sightings are excluded in calculation.

Graphical Presentation of Monthly and Running Quarterly Encounter Rates for the entire monitoring period

Encounter Rate STG:



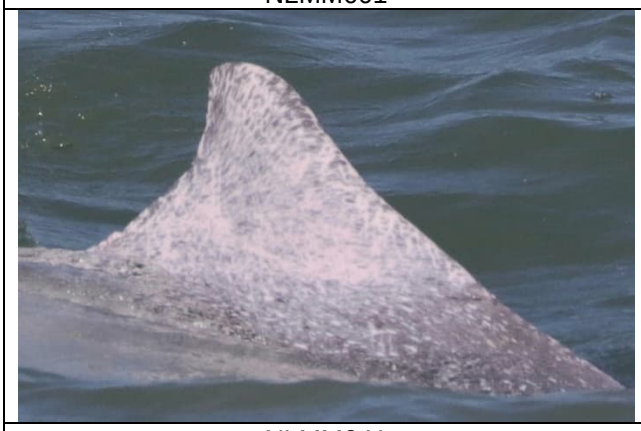
Encounter Rate ANI:



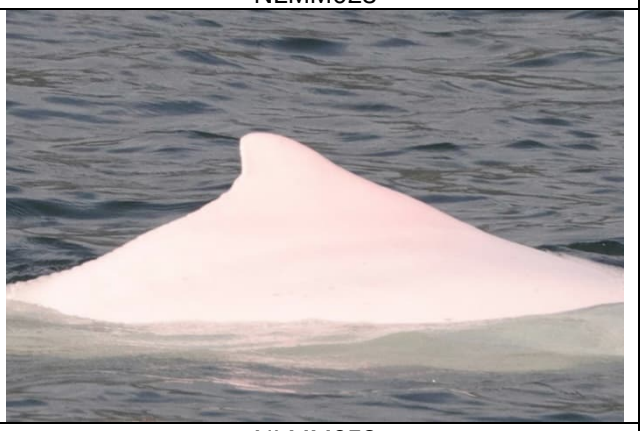
CWD Small Vessel Line-transect Survey **Photo Identification**

NLMM001

NLMM023



NLMM041



NLMM058

SLMM002

SLMM003

SLMM007

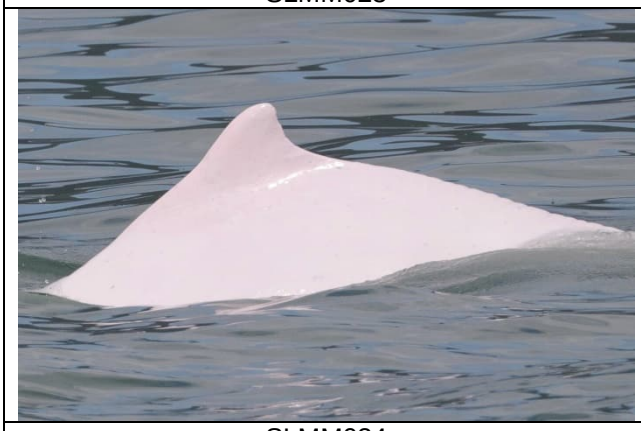
SLMM010

SLMM014

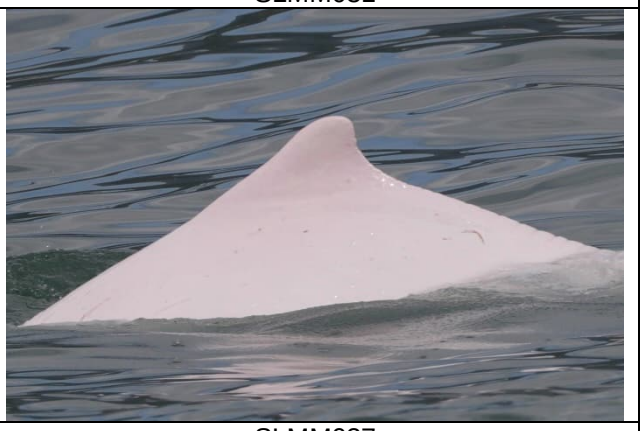
SLMM022

SLMM023

SLMM031



SLMM034

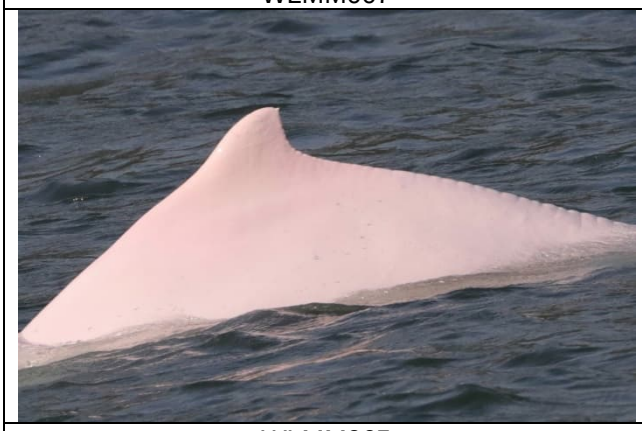
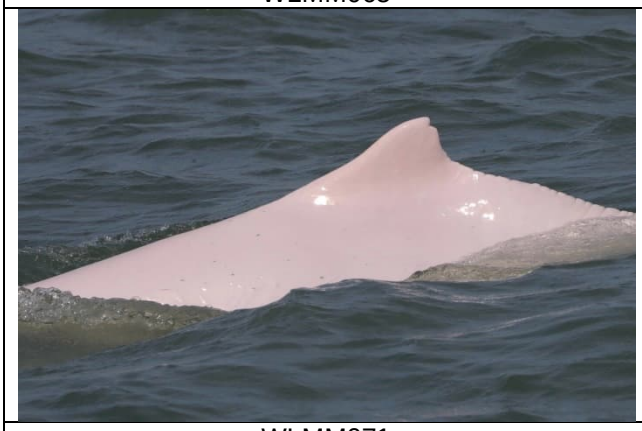
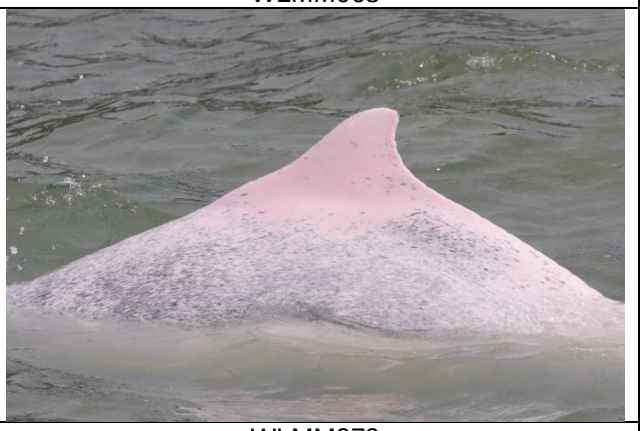


SLMM037

SLMM044

SLMM050

SLMM052	SLMM055
SLMM058	SLMM060
SLMM064	SLMM070
WLMM001	WLMM003

WLMM007	WLMM056
	
WLMM065	WLMM068
	
WLMM071	WLMM079
WLMM109	WLMM112

WLMM113

WLMM118

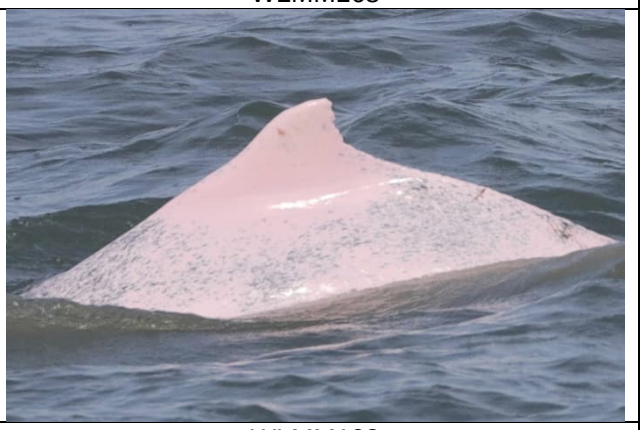
WLMM149

WLMM150

WLMM162 (Lower)

WLMM168

WLMM192

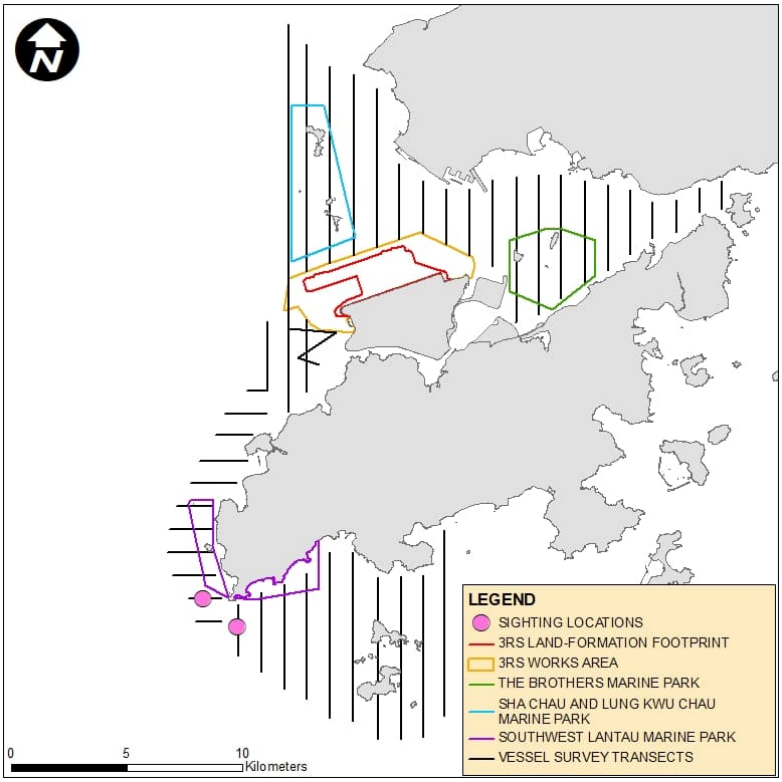


WLMM193

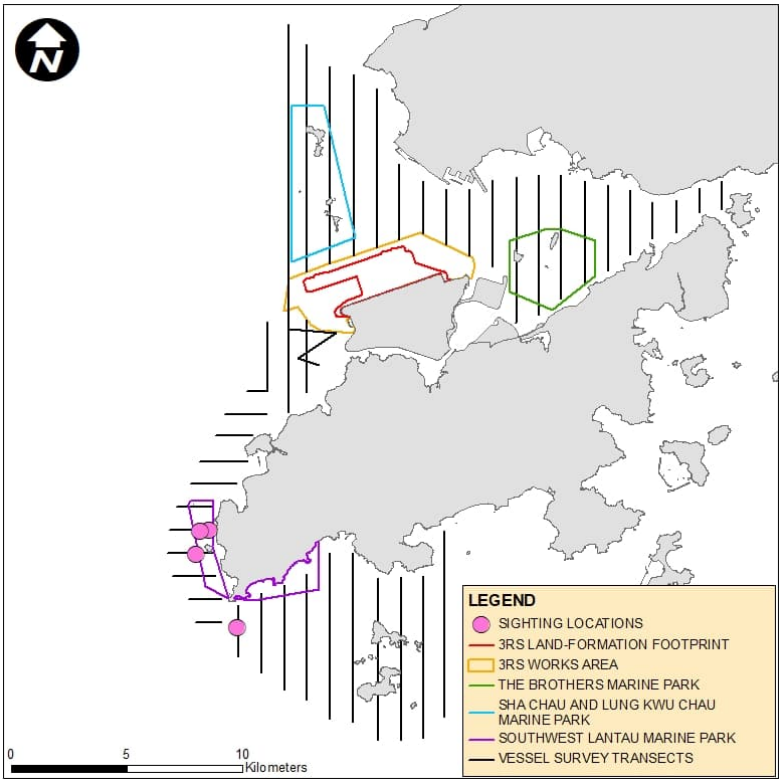
WLMM194	

Photo Identification – Re-sighting Locations

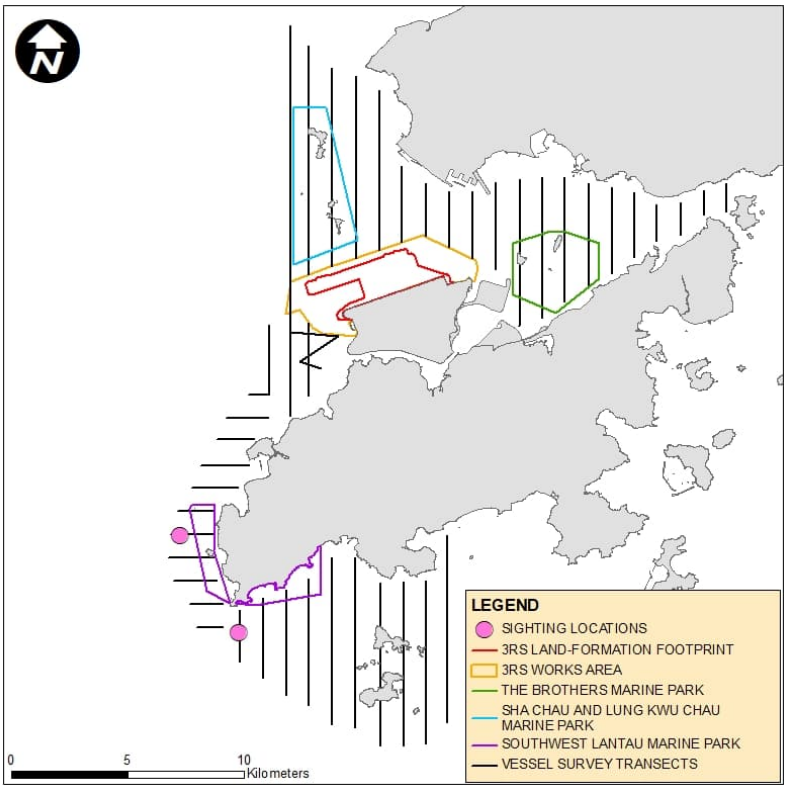
NLMM023



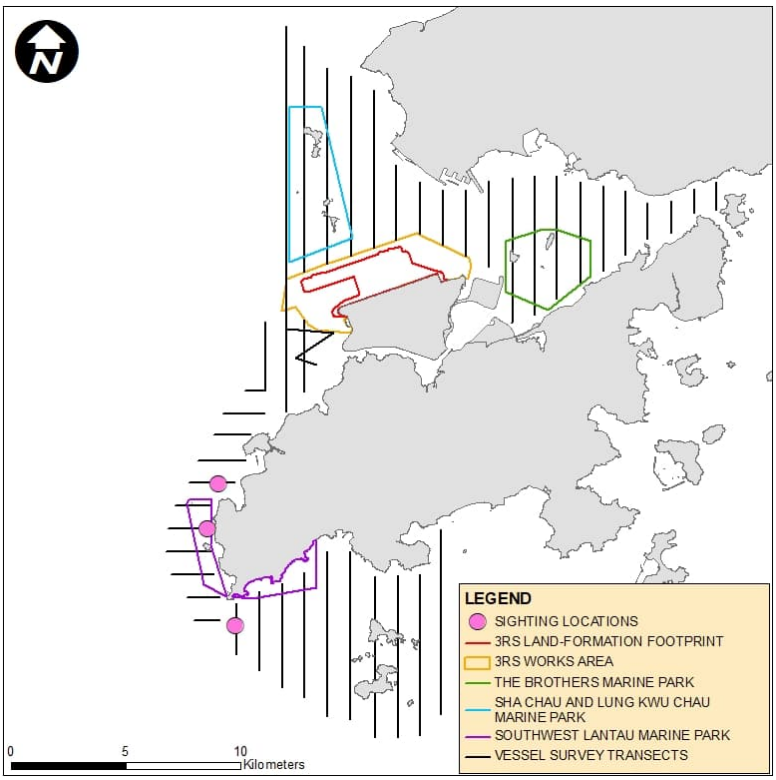
SLMM003



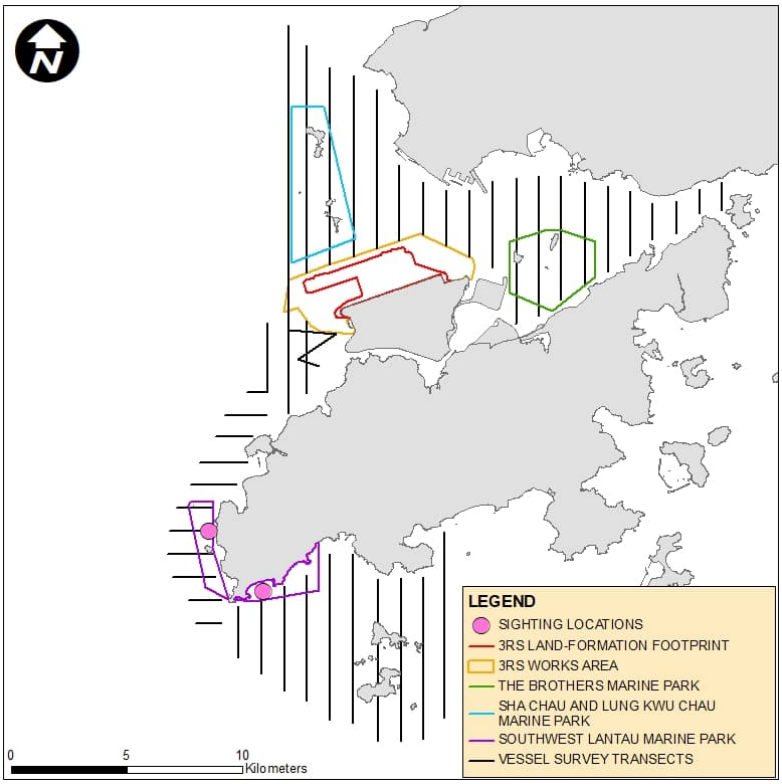
WLMM001



WLMM007



WLMM056


N
LEGEND
SIGHTING LOCATIONS
3RS LAND-FORMATION FOOTPRINT
3RS WORKS AREA
THE BROTHERS MARINE PARK
SHA CHAU AND LUNG KWU CHAU MARINE PARK
SOUTHWEST LANTAU MARINE PARK
VESSEL SURVEY TRANSECTS
0
5
10
Kilometers

CWD Land-based Theodolite Tracking

CWD Groups by Survey Date

Date	Station	Start Time	End Time	Duration	Beaufort Range	Visibility	No. of Focal Follow Dolphin Groups Tracked	Dolphin Group Size Range
05/Oct/23	Lung Kwu Chau	08:54	14:54	6:00	3	1	0	0
11/Oct/23	Sha Chau	10:44	16:44	6:00	2	1	0	0
13/Nov/23	Lung Kwu Chau	8:55	14:55	6:00	3	2	0	0
16/Nov/23	Sha Chau	10:42	16:42	6:00	3	2-3	0	0
15/Dec/23	Lung Kwu Chau	8:49	14:49	6:00	2	2	2	1-2
27/Dec/23	Sha Chau	10:37	16:37	6:00	3	2-3	0	0

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