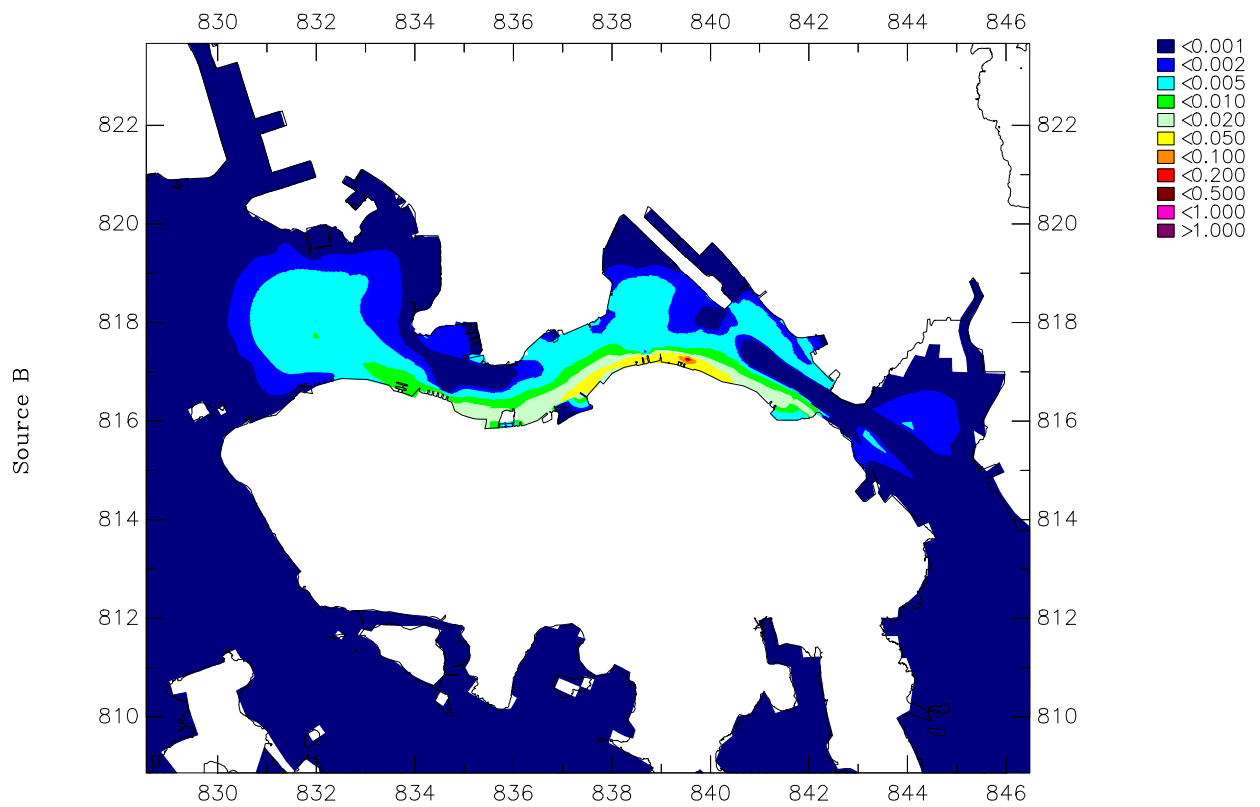
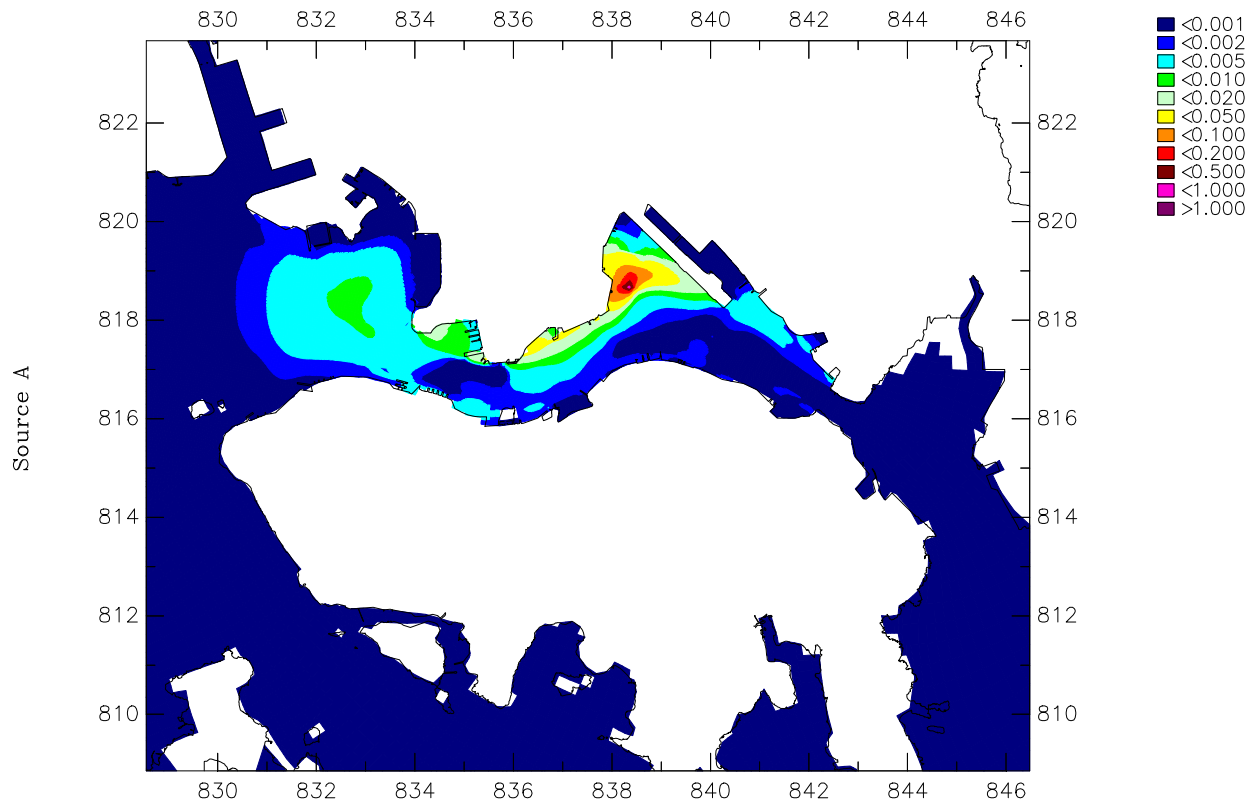


Installation of Submarine Gas Pipelines
and Associated Facilities from
To Kwa Wan to North Point for Former Kai Tak Airport Development
Consultancy Services for Feasibility Study and Detailed Design
Environmental Impact Assessment Report



Appendix B2
Sediment Plume Model Results – Scenario 1 Dry Season



Maximum Deposition Rate (kg/m²/day)

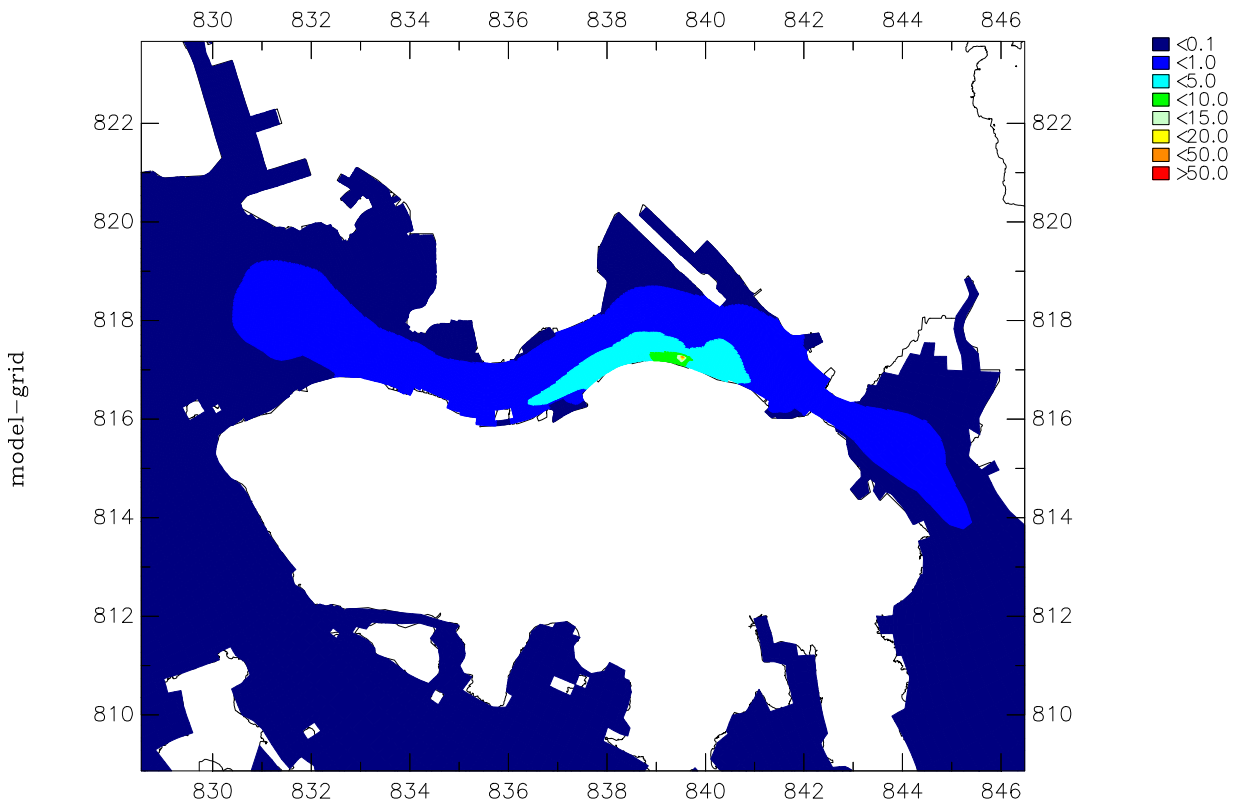
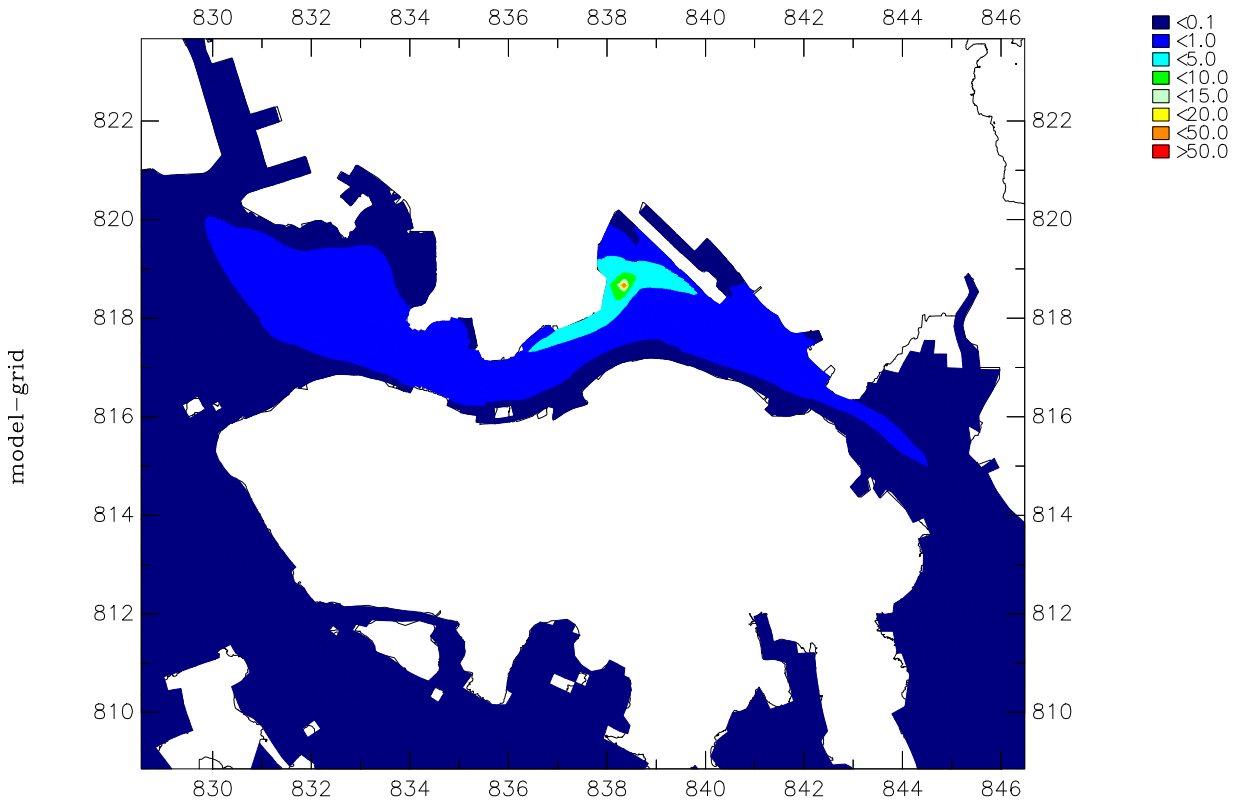
Dry Season

Scenario 1

Upper Plot: Dredging Operations at Source A

Lower Plot: Dredging Operations at Source B

Mott MacDonald Hong Kong Ltd



Maximum Depth-averaged SS Elevations (mg/L)

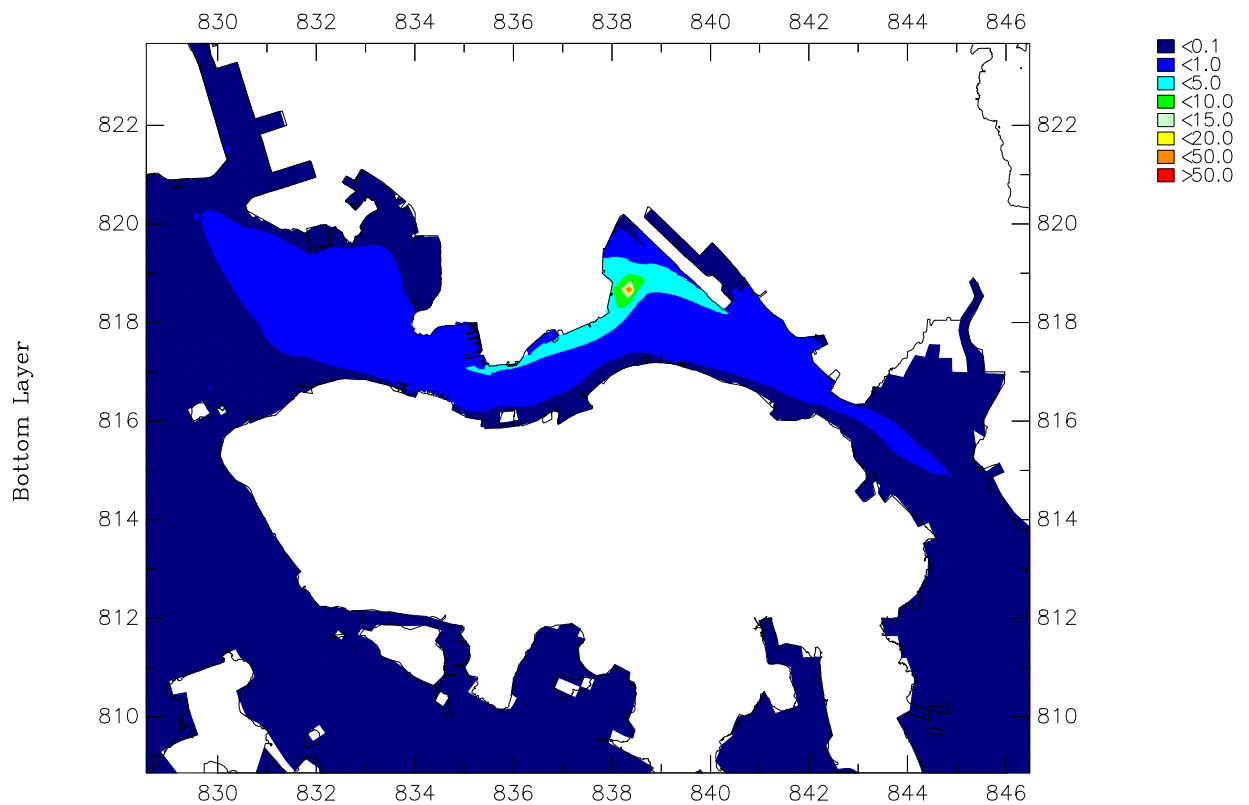
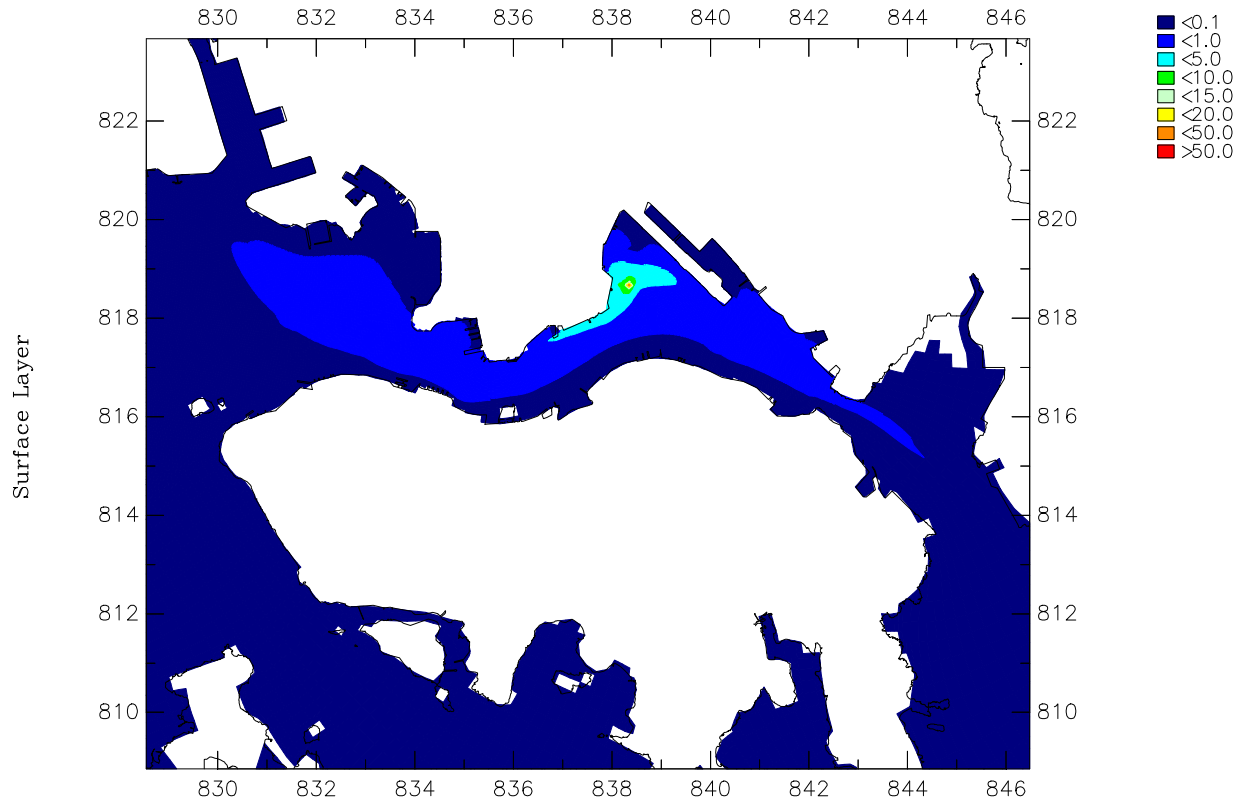
Upper Plot: Source A

Lower Plot: Source B

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd

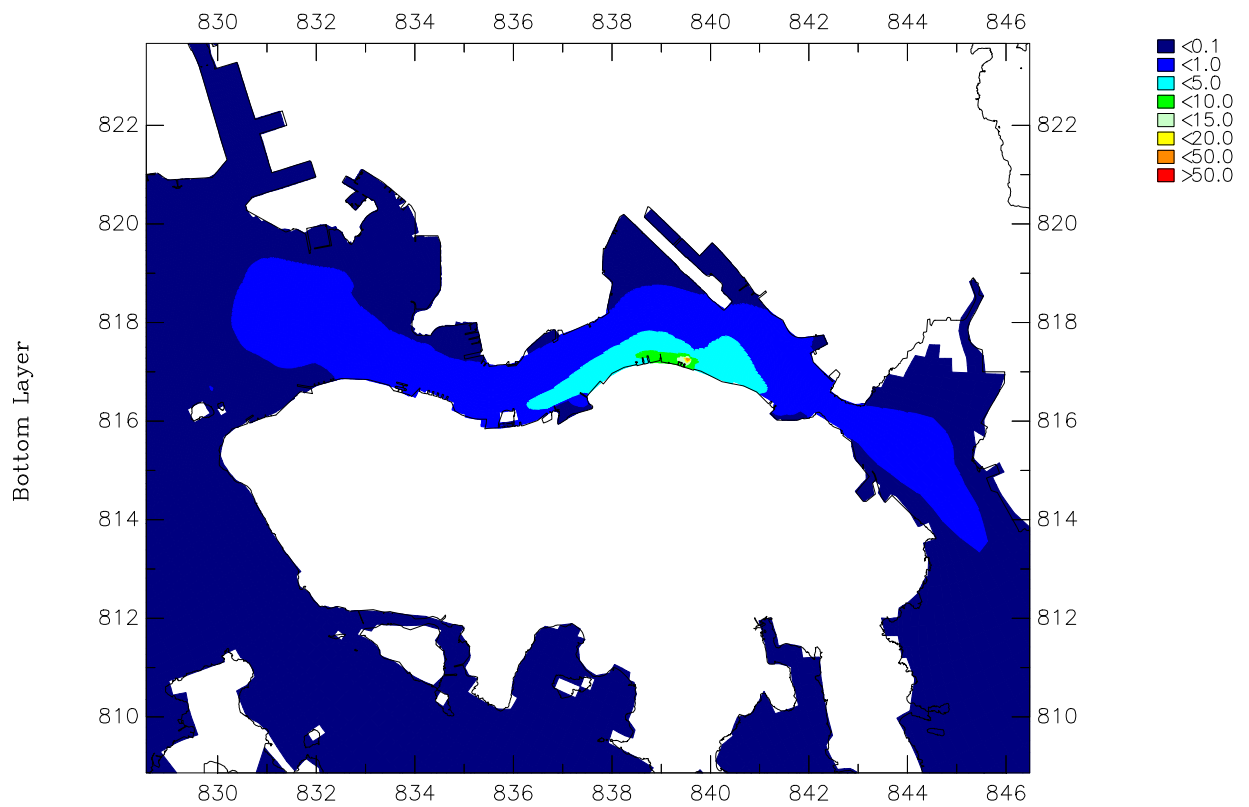
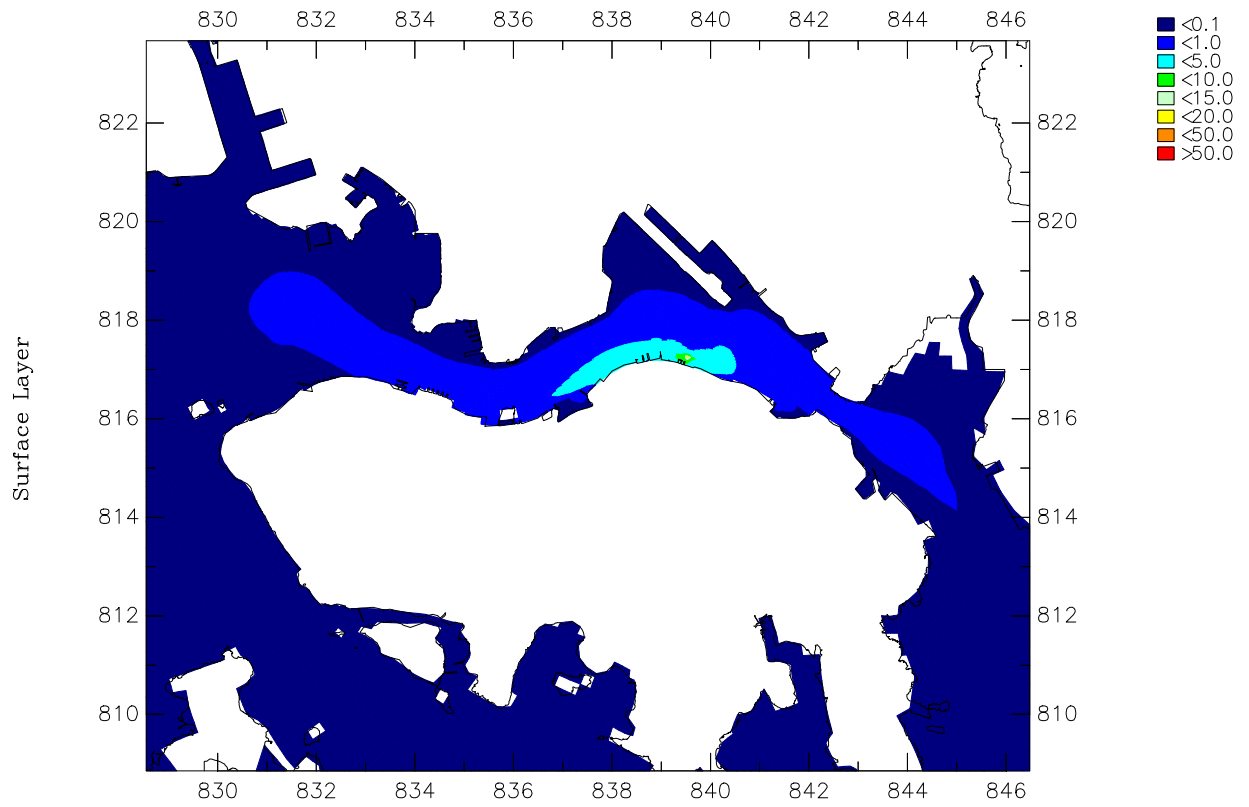


Maximum SS Elevations (mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd

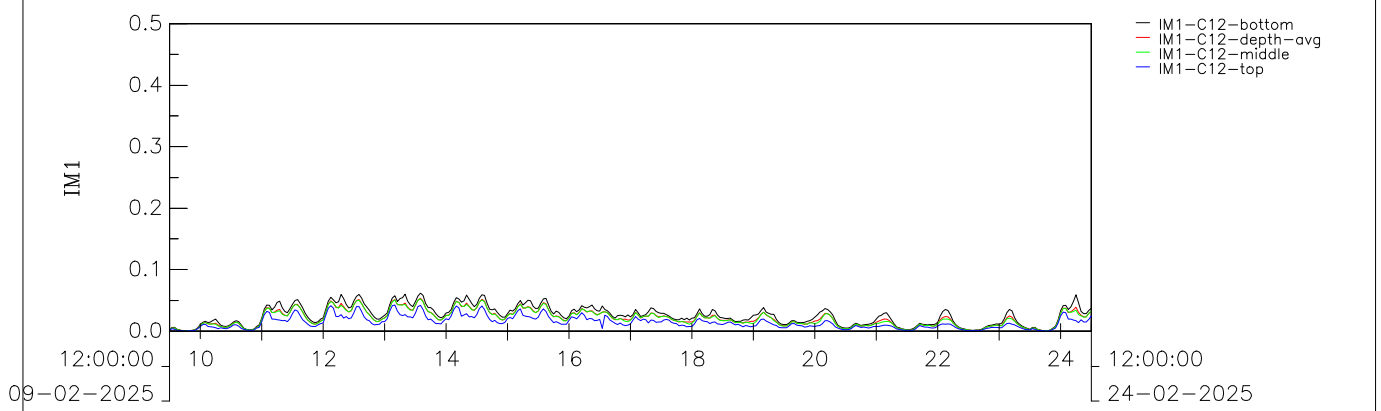
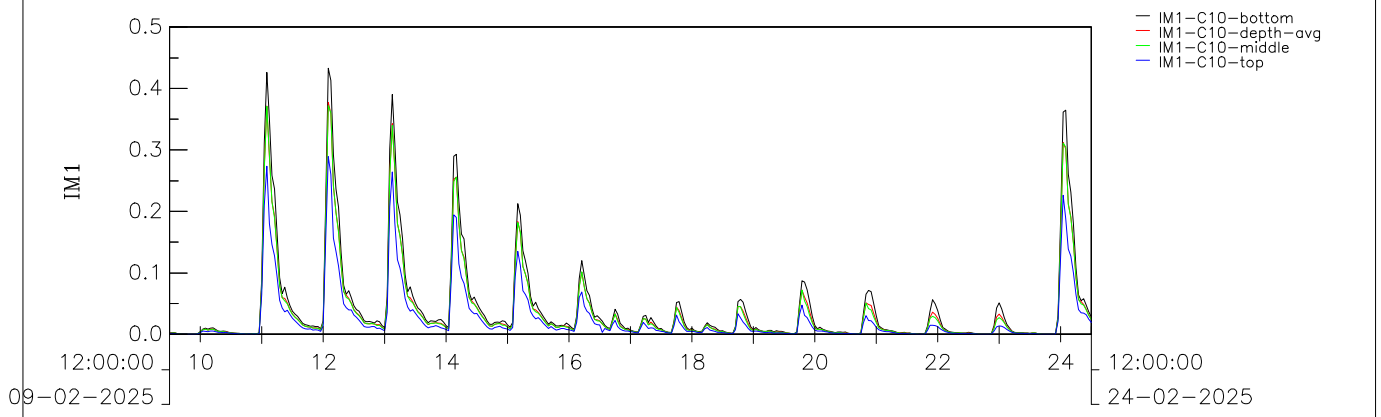
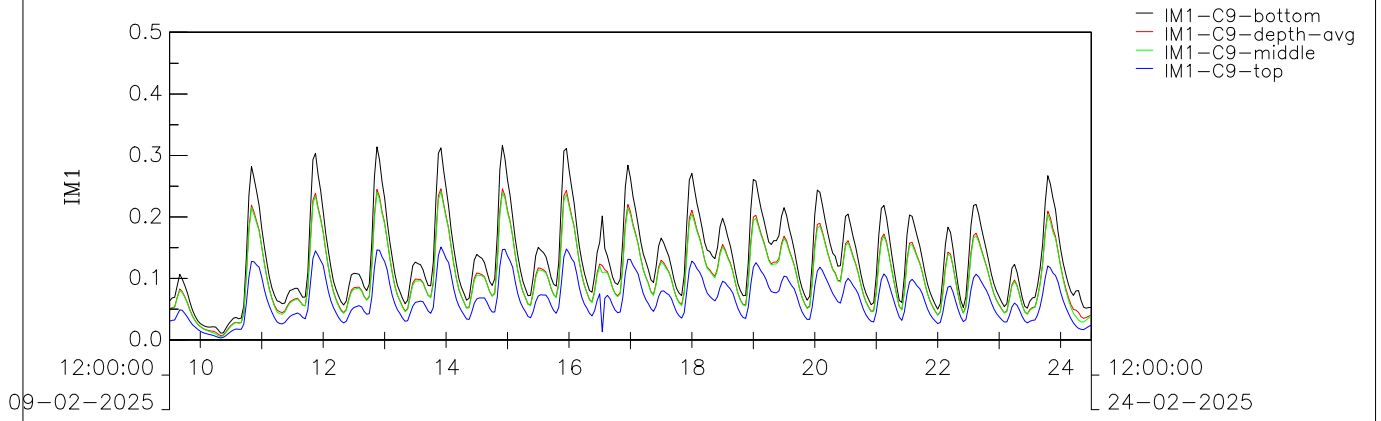
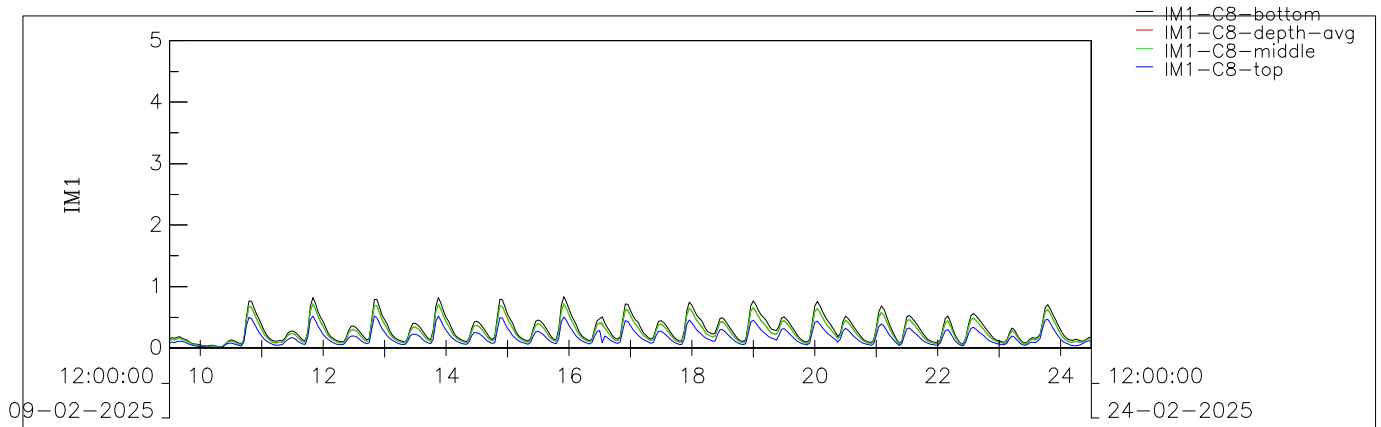


Maximum SS Elevations (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

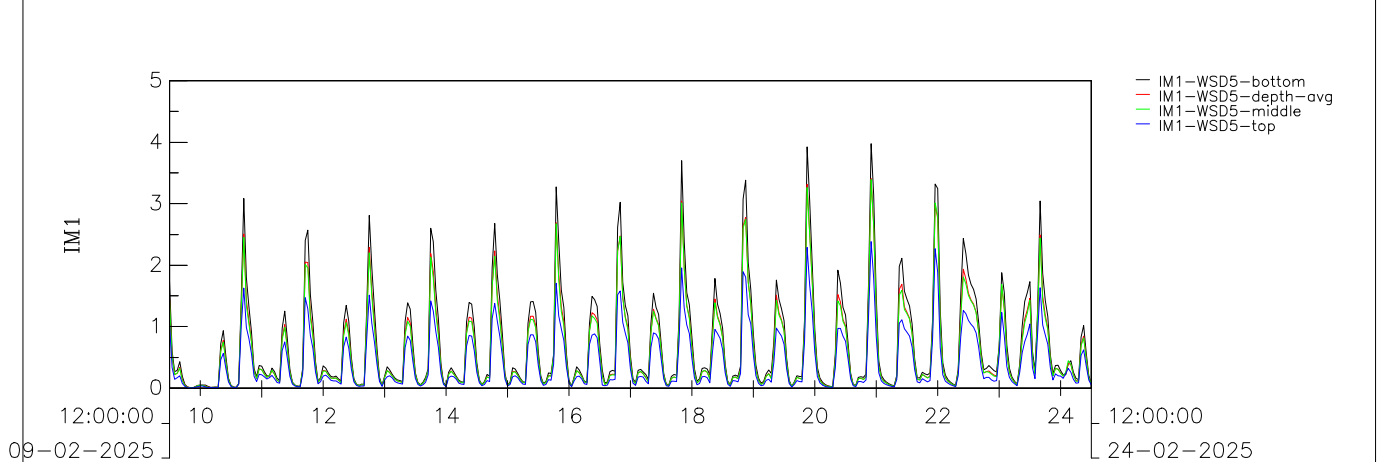
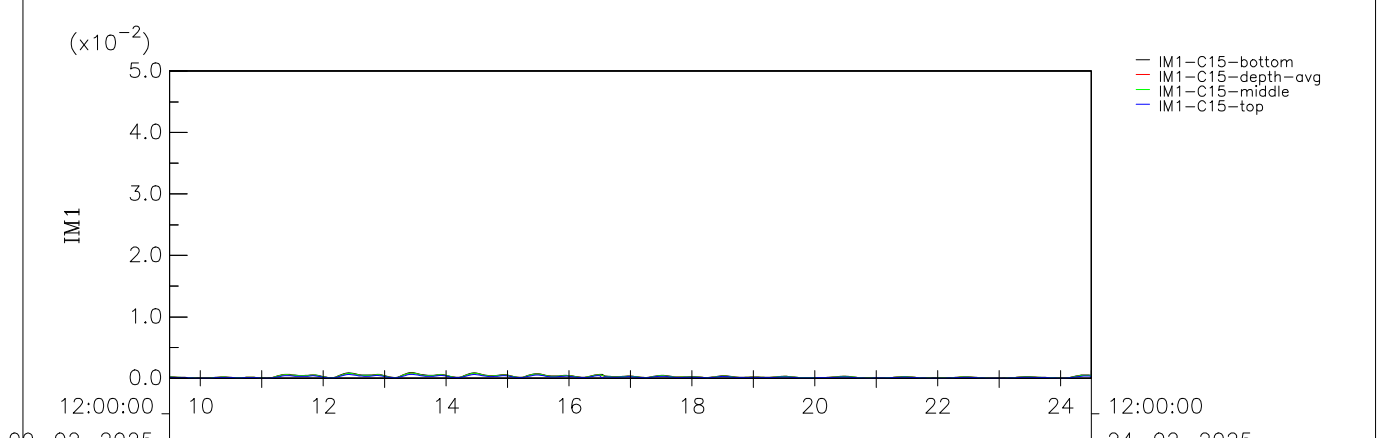
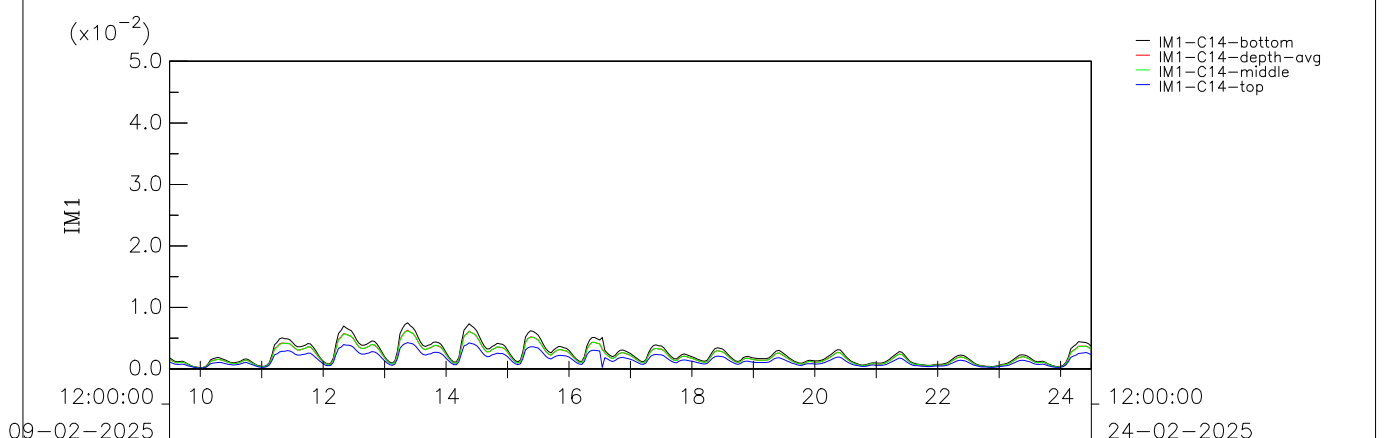
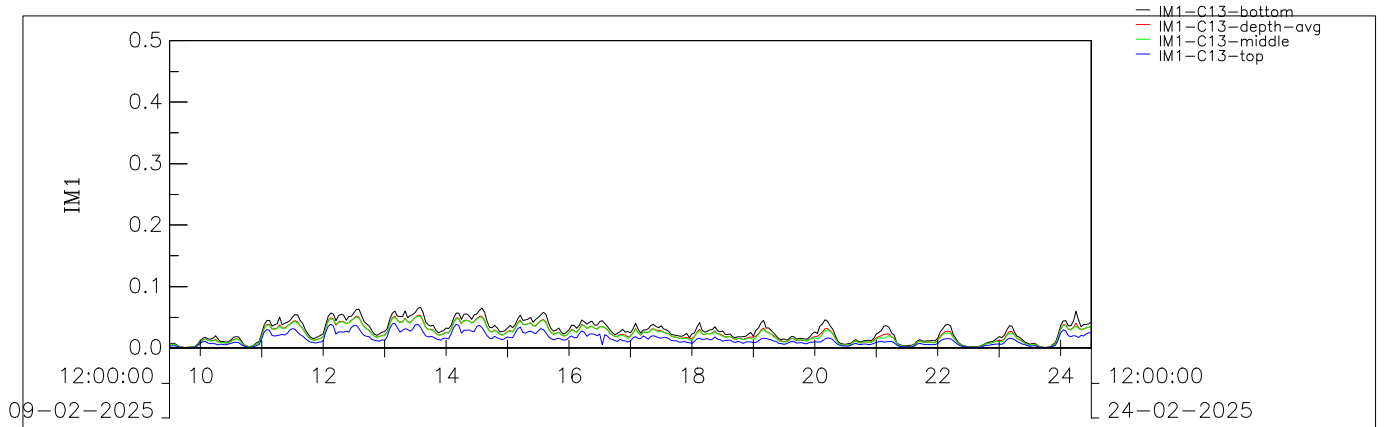
Dry Season

Scenario 1

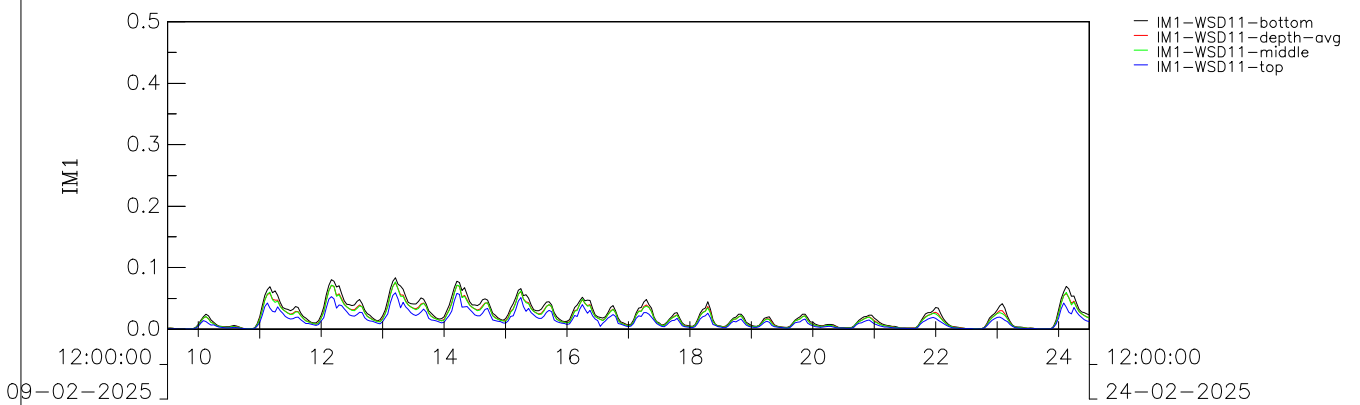
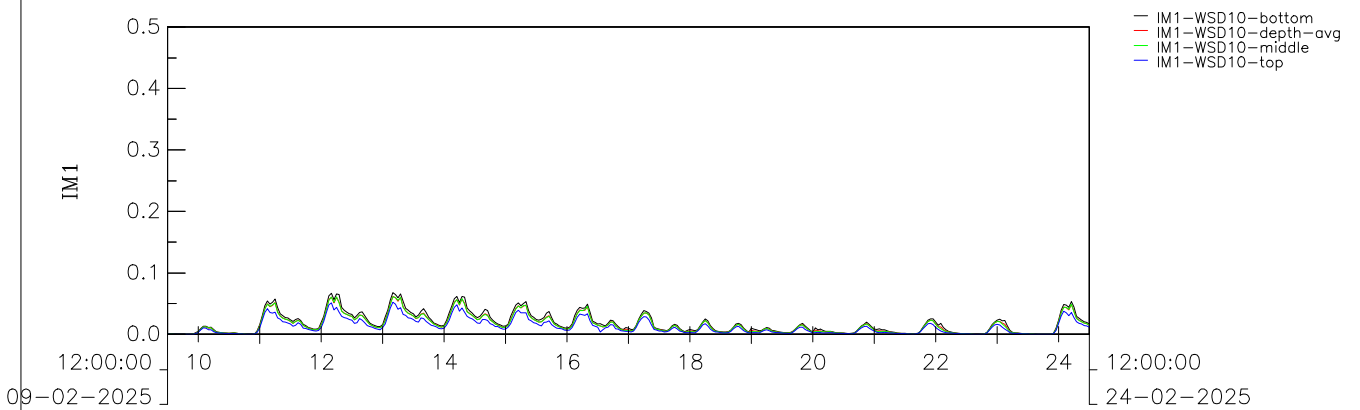
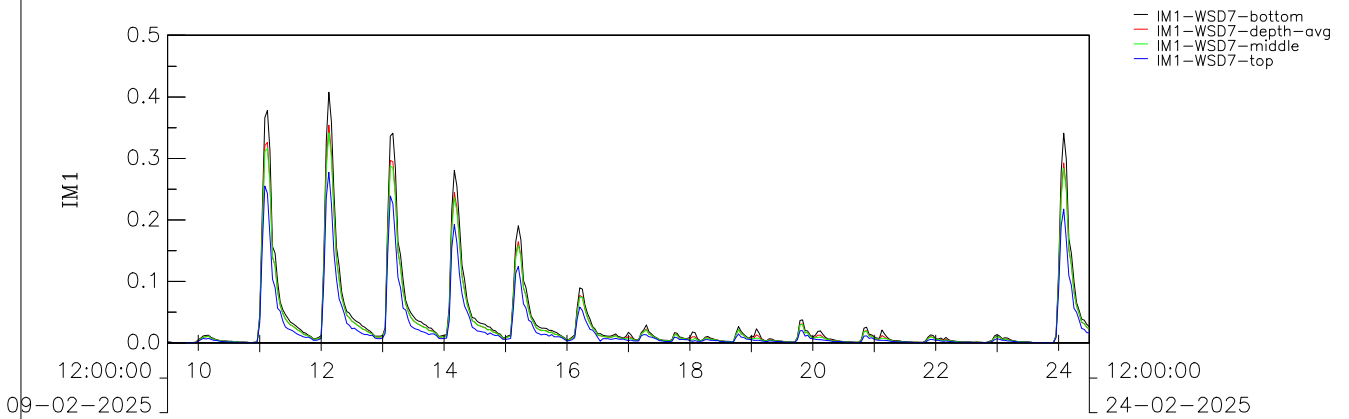
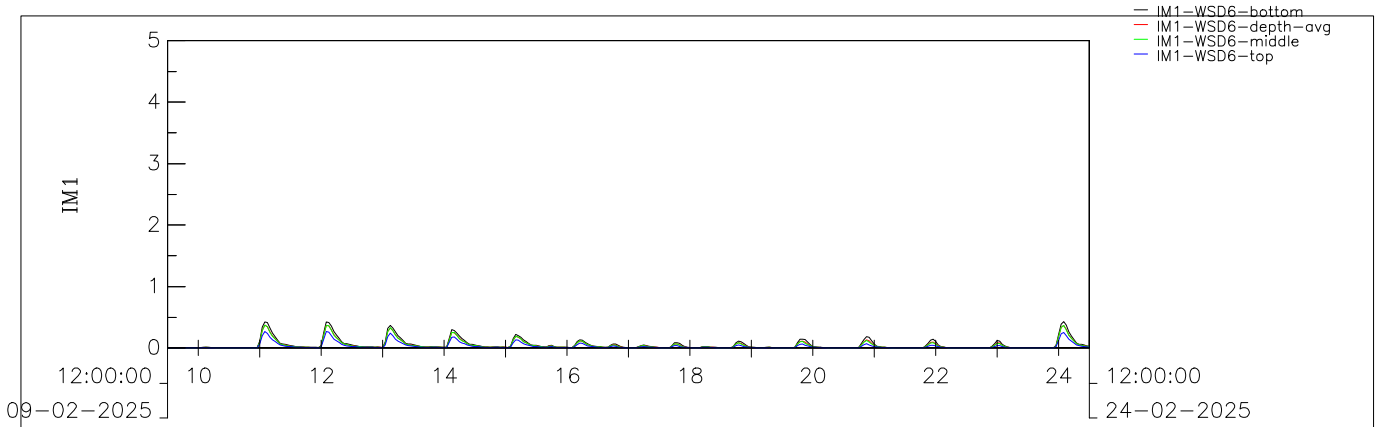
Mott MacDonald Hong Kong Ltd



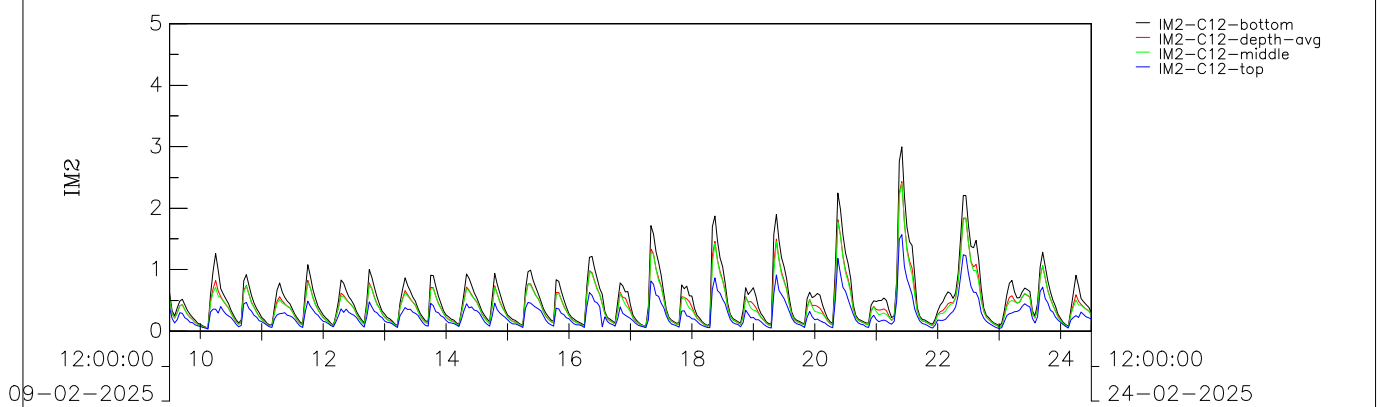
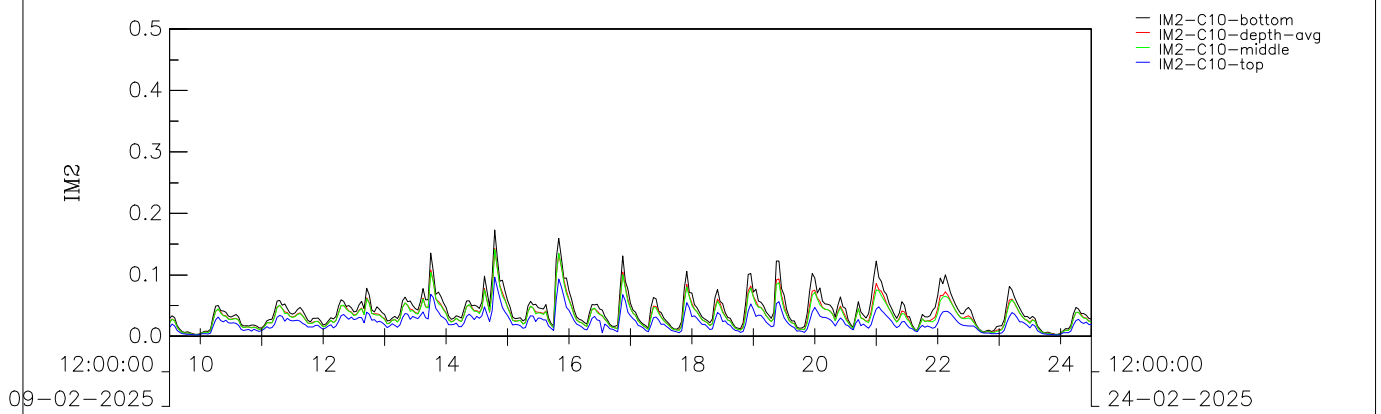
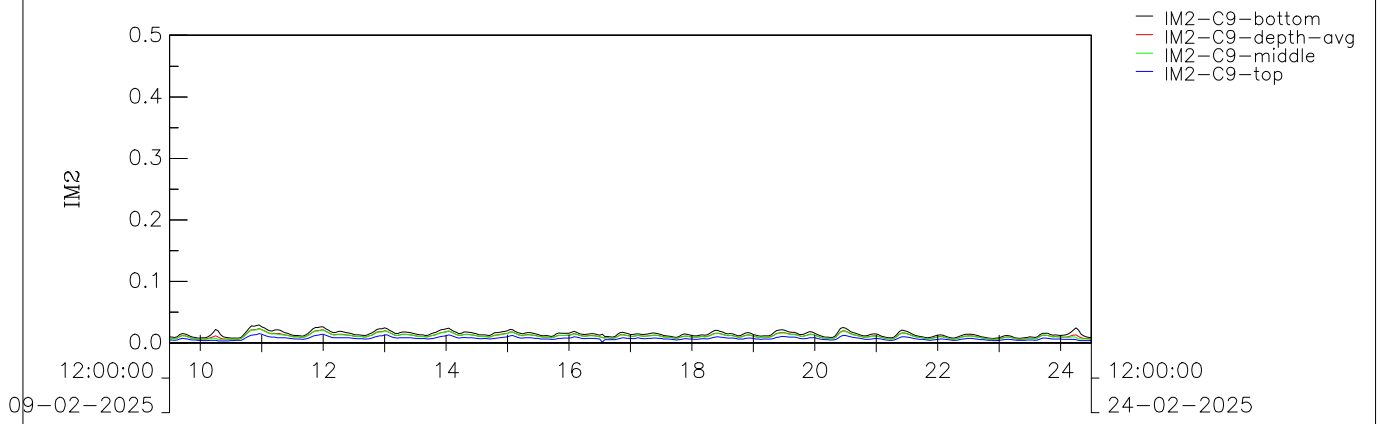
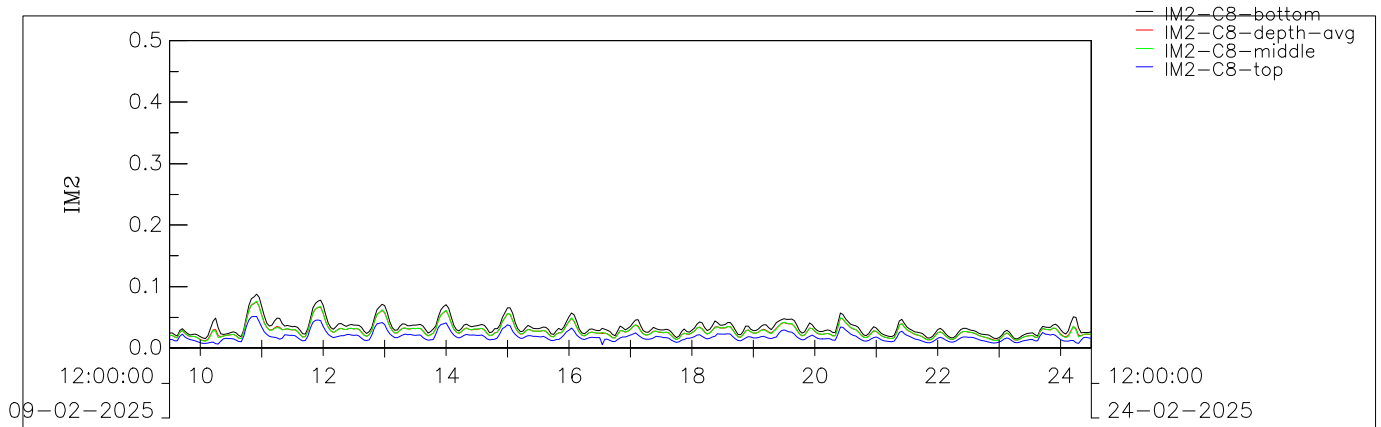
SS Elevations (mg/L) at Stations C8, C9, C10, C12 from Source A 1st Plot: C8; 2nd Plot: C9; 3rd Plot: C10; 4th Plot: C12	Dry Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



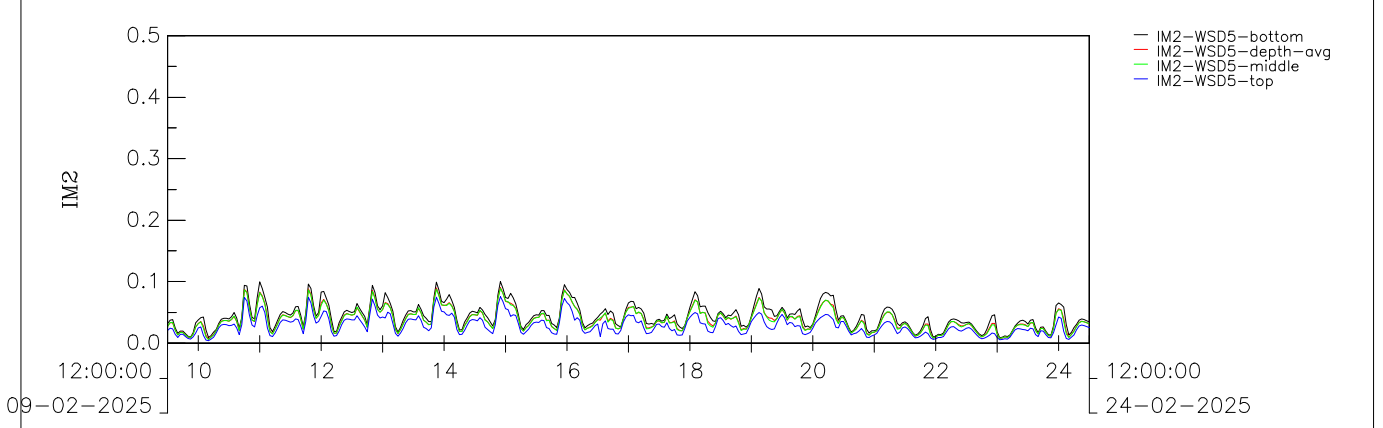
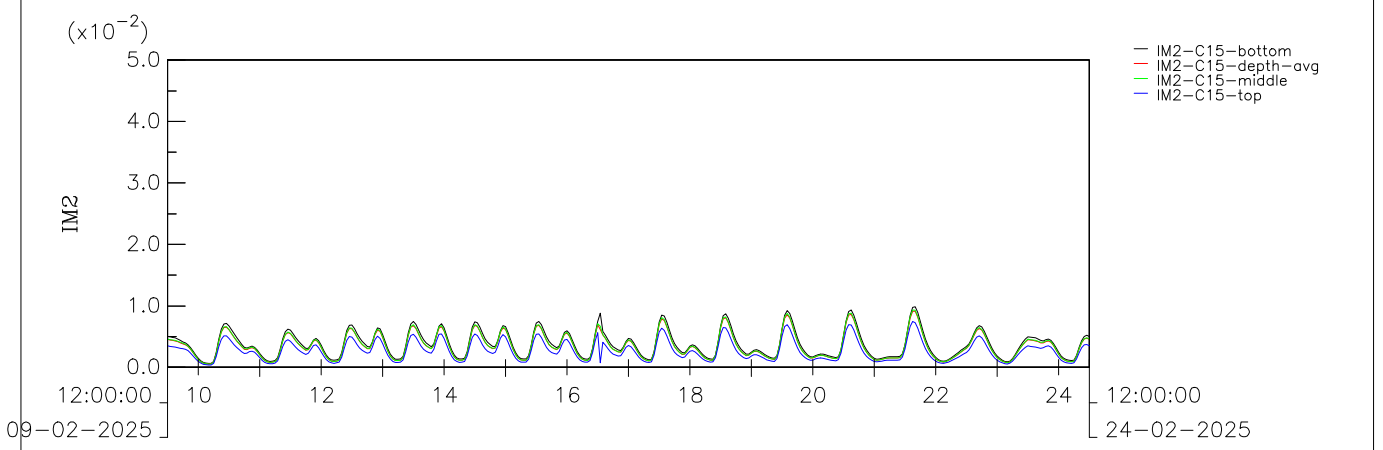
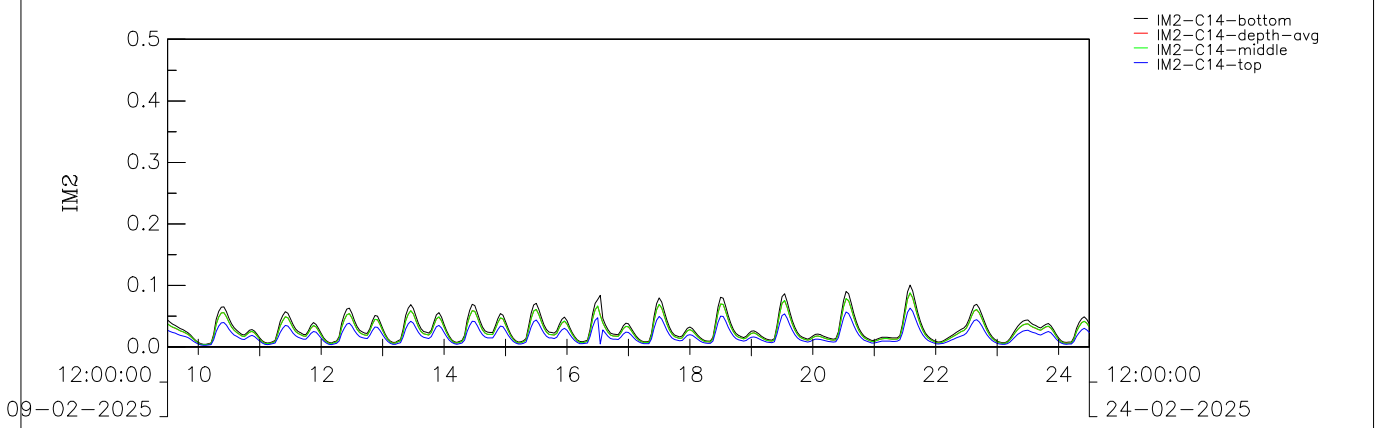
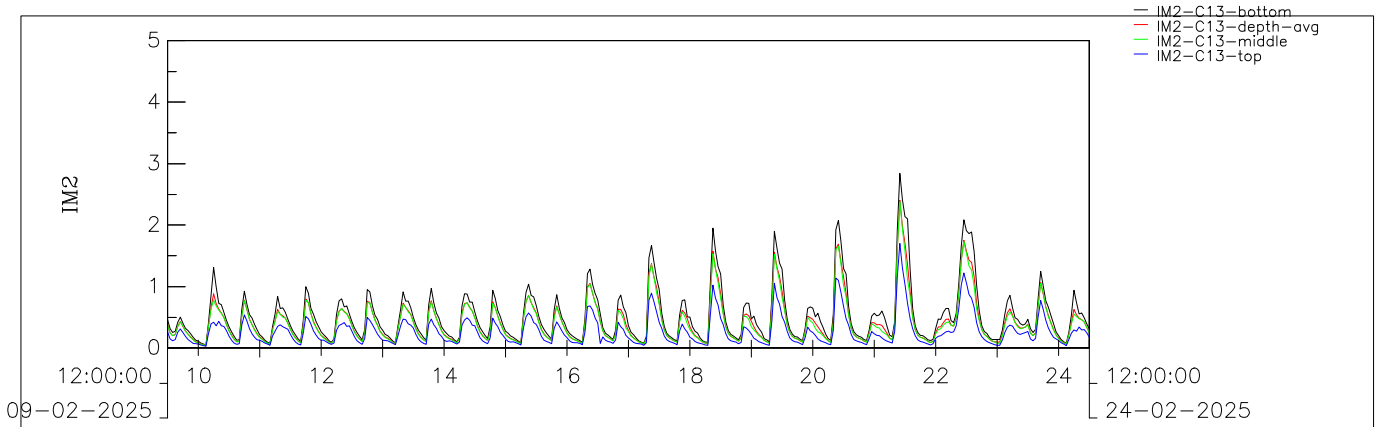
SS Elevations (mg/L) at Stations C13, C14, C15, WSD5 from Source A 1st Plot: C13; 2nd Plot: C14; 3rd Plot: C15; 4th Plot: WSD5	Dry Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



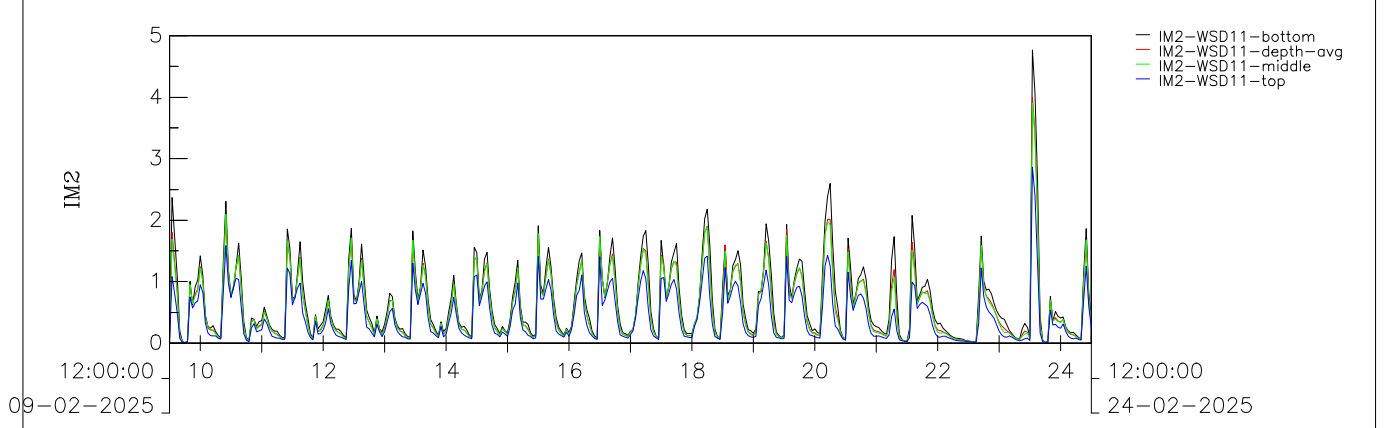
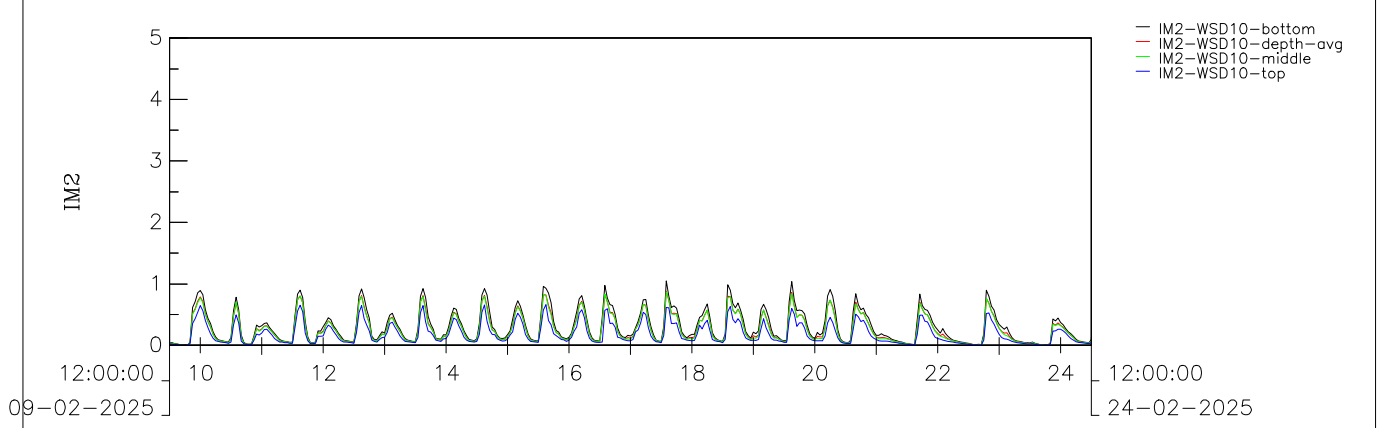
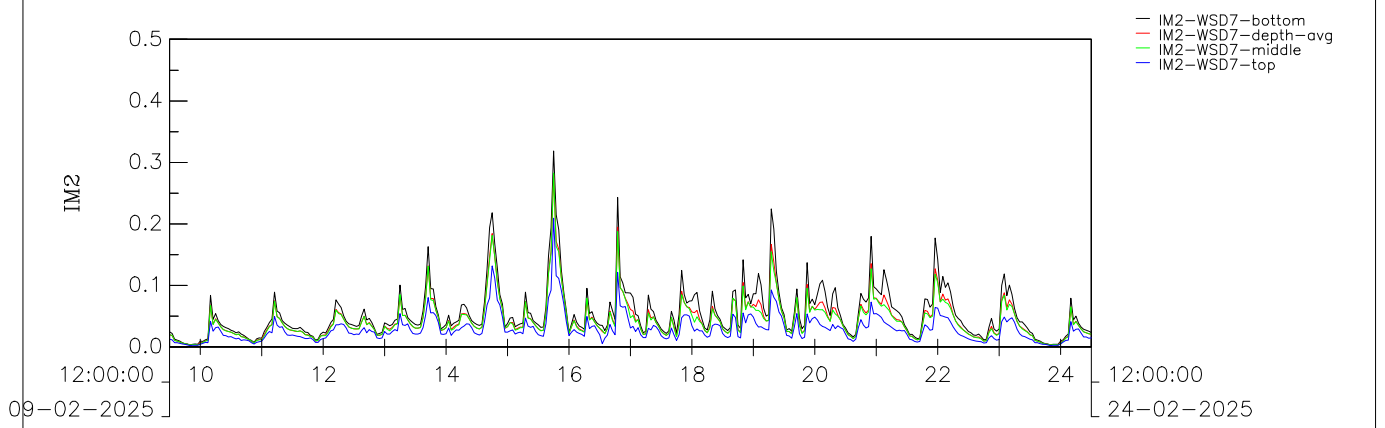
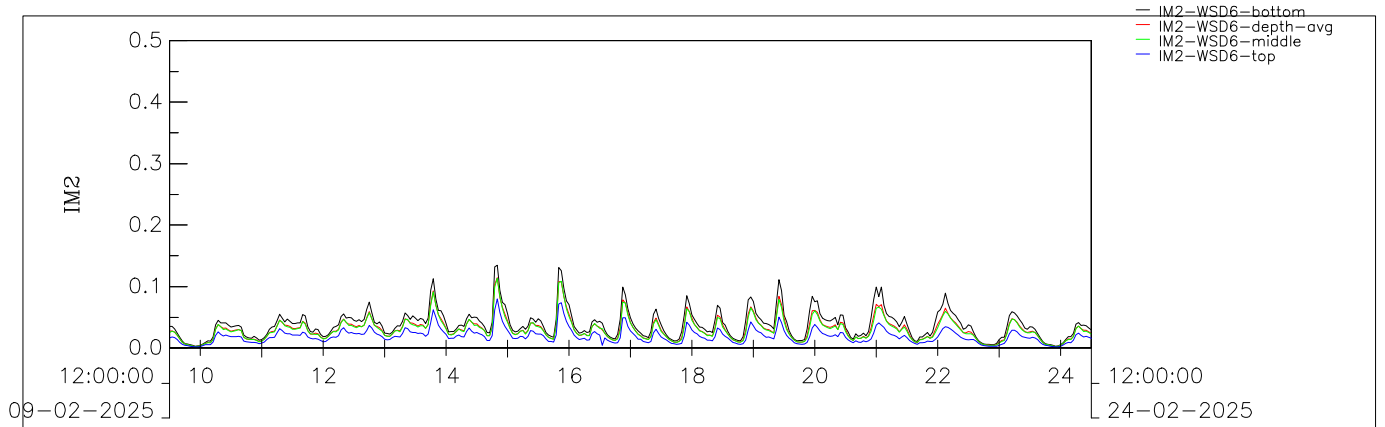
SS Elevations (mg/L) at Stations WSD6, WSD7, WSD10, WSD11 from Source A 1st Plot: WSD6; 2nd Plot: WSD7; 3rd Plot: WSD10; 4th Plot: WSD11	Dry Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



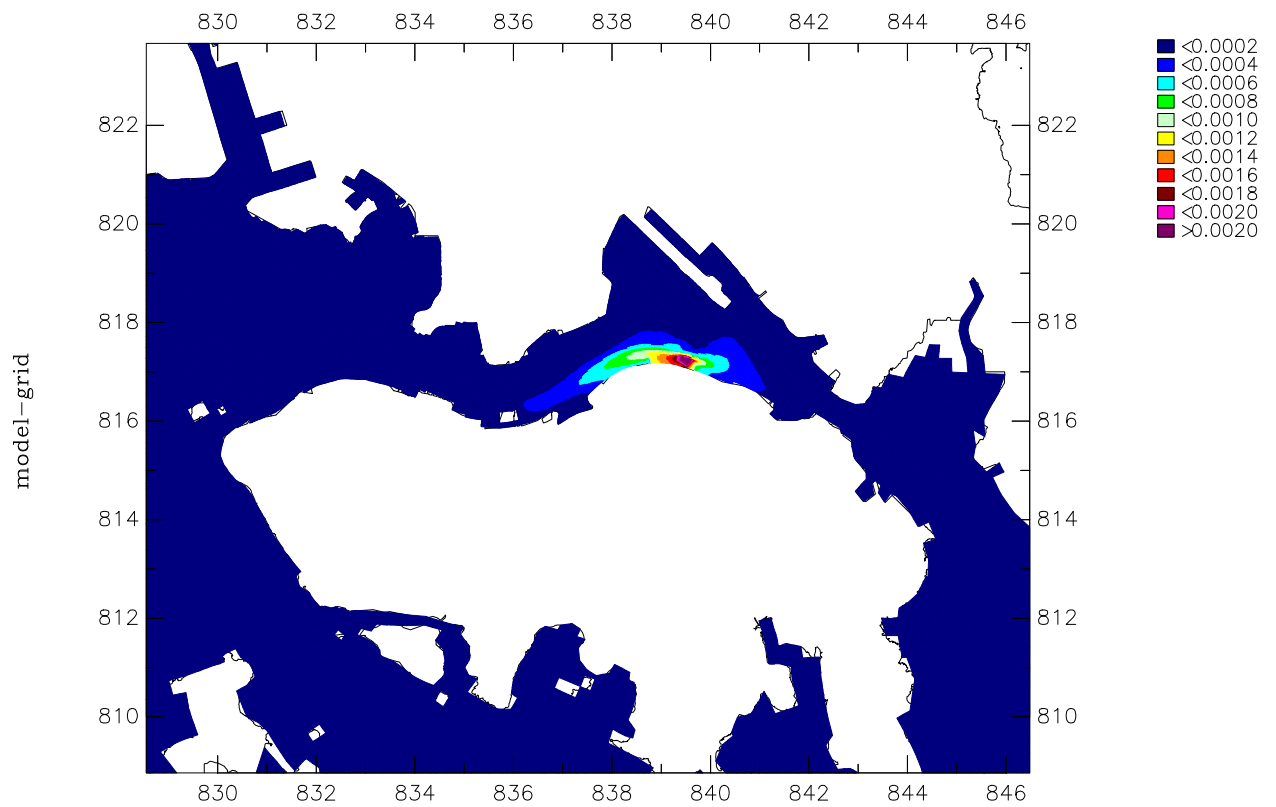
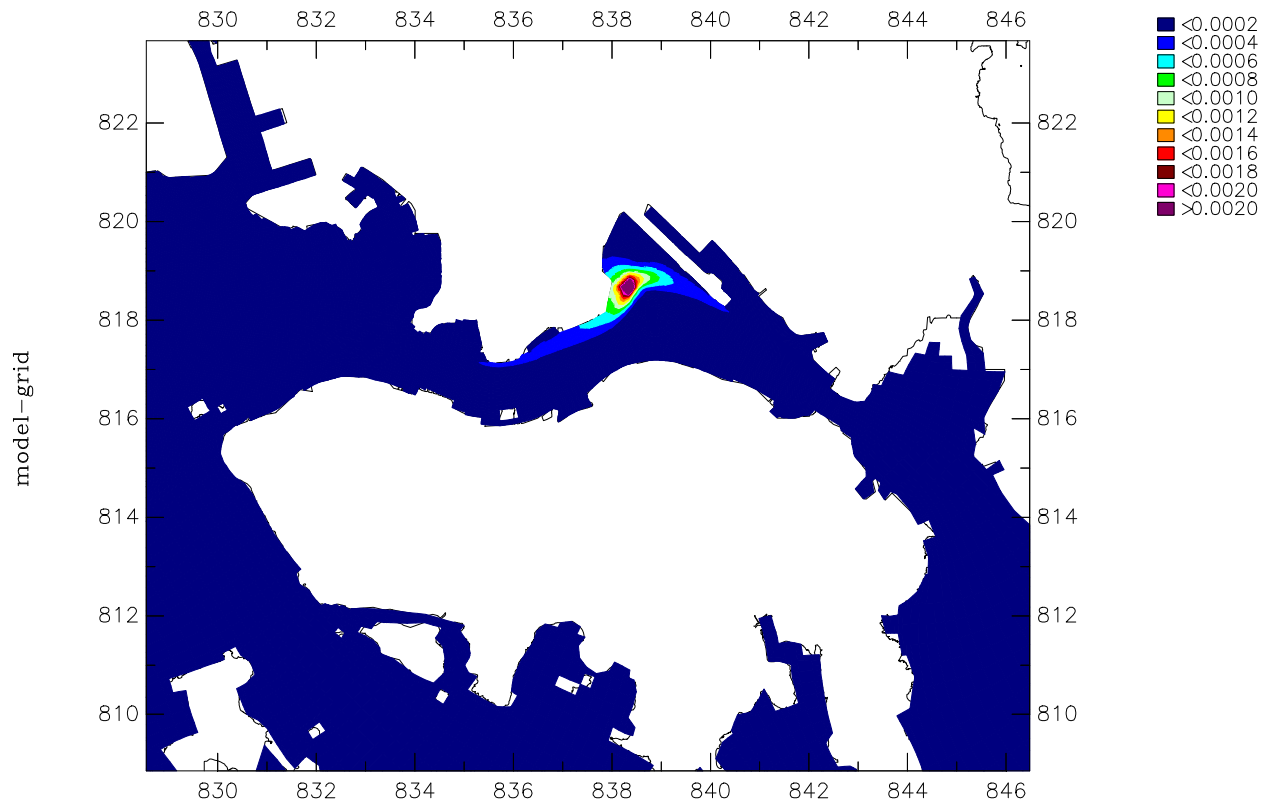
SS Elevations (mg/L) at Stations C8, C9, C10, C12 from Source B 1st Plot: C8; 2nd Plot: C9; 3rd Plot: C10; 4th Plot: C12	Dry Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



SS Elevations (mg/L) at Stations C13, C14, C15, WSD5 from Source B 1st Plot: C13; 2nd Plot: C14; 3rd Plot: C15; 4th Plot: WSD5	Dry Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



SS Elevations (mg/L) at Stations WSD6, WSD7, WSD10, WSD11 from Source B 1st Plot: WSD6; 2nd Plot: WSD7; 3rd Plot: WSD10; 4th Plot: WSD11	Dry Season	Scenario 1
Mott MacDonald Hong Kong Ltd		

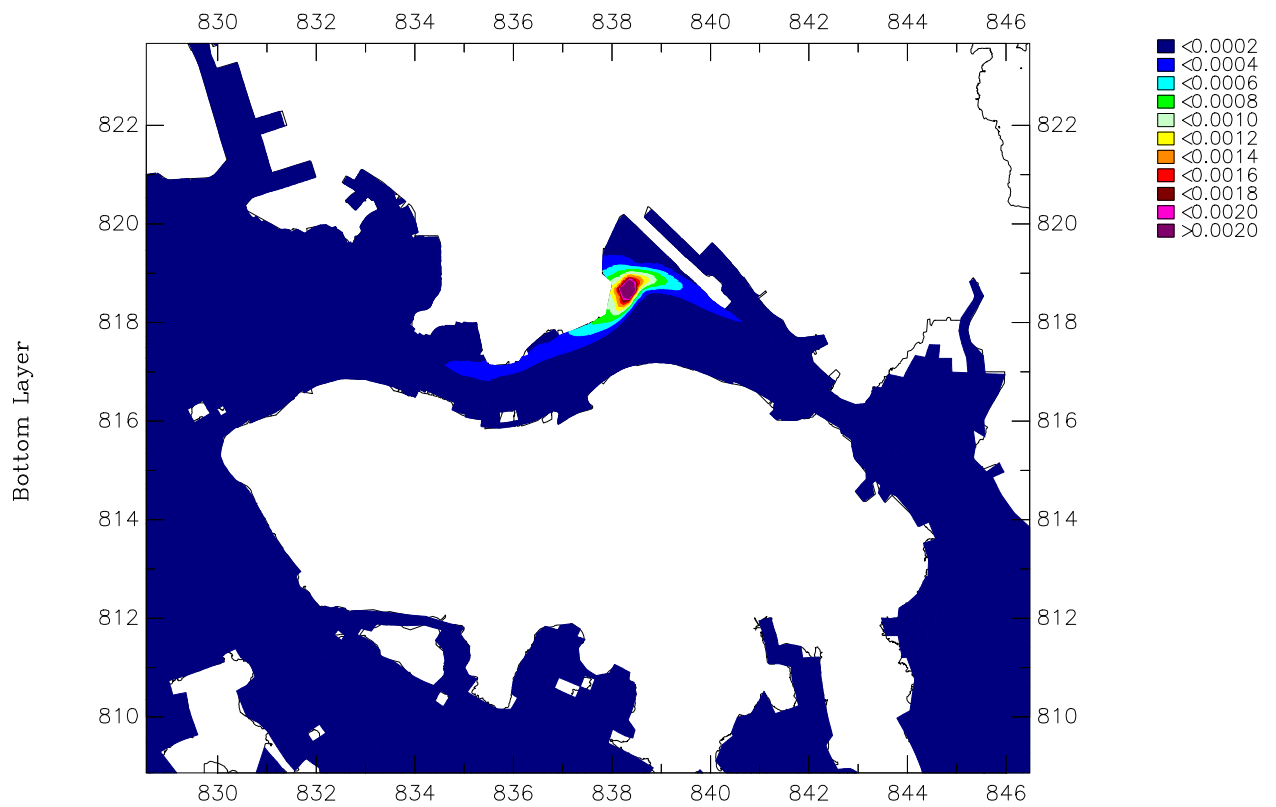
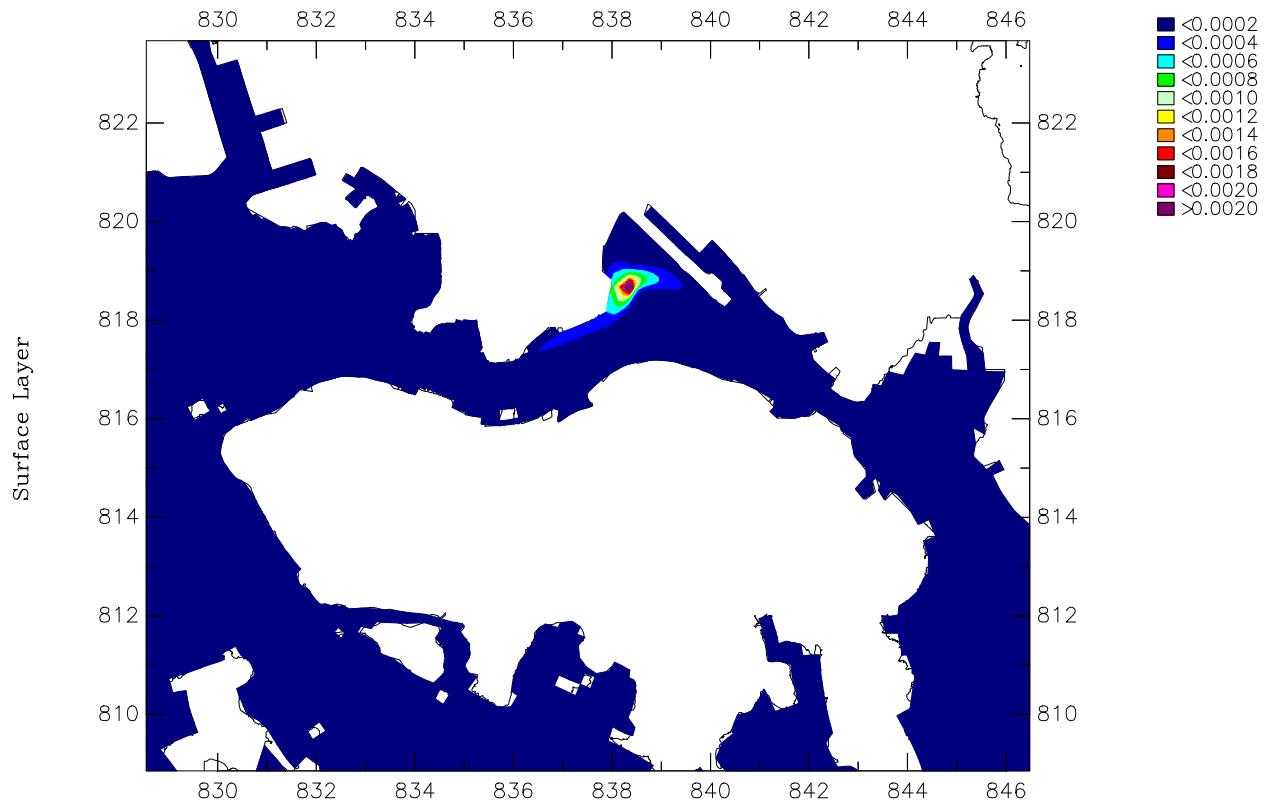


Maximum Depth-averaged Total Inorganic Nitrogen (TIN) (mg/L)
 Upper Plot: Source A
 Lower Plot: Source B

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd

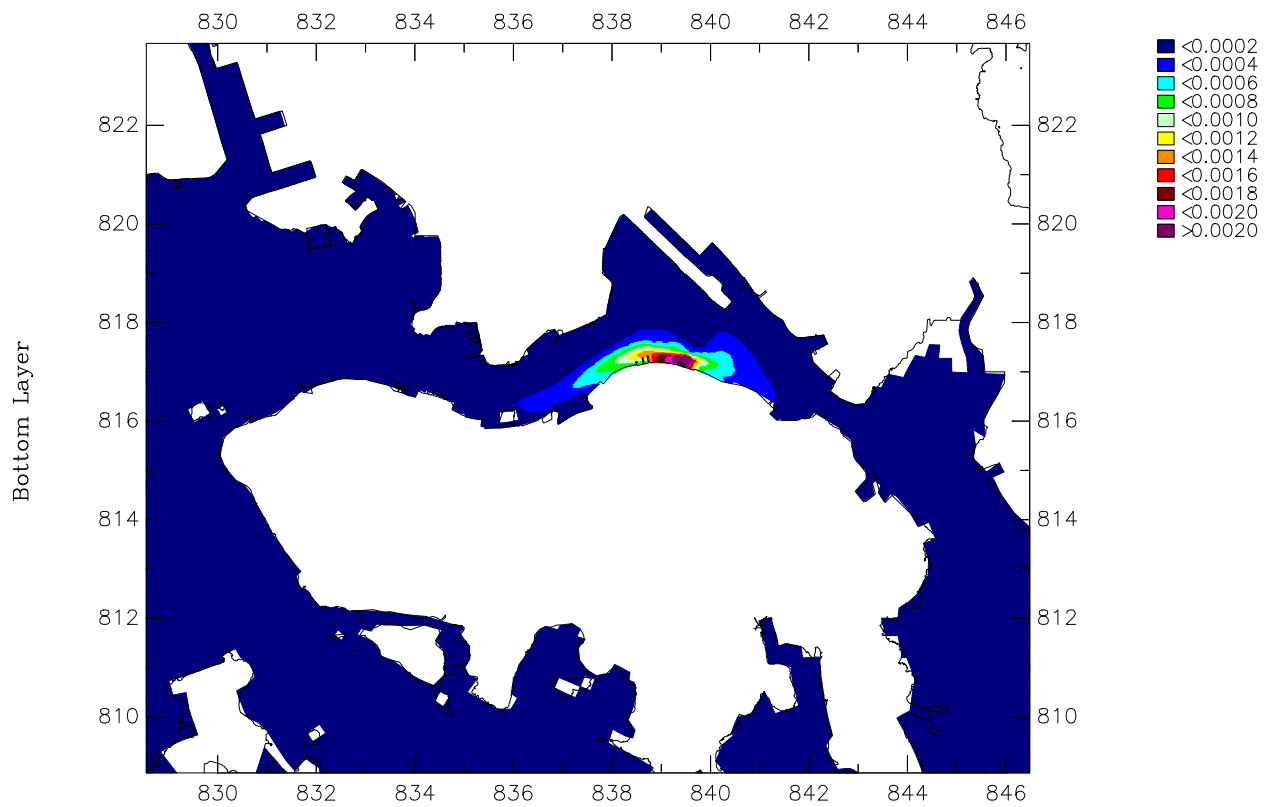
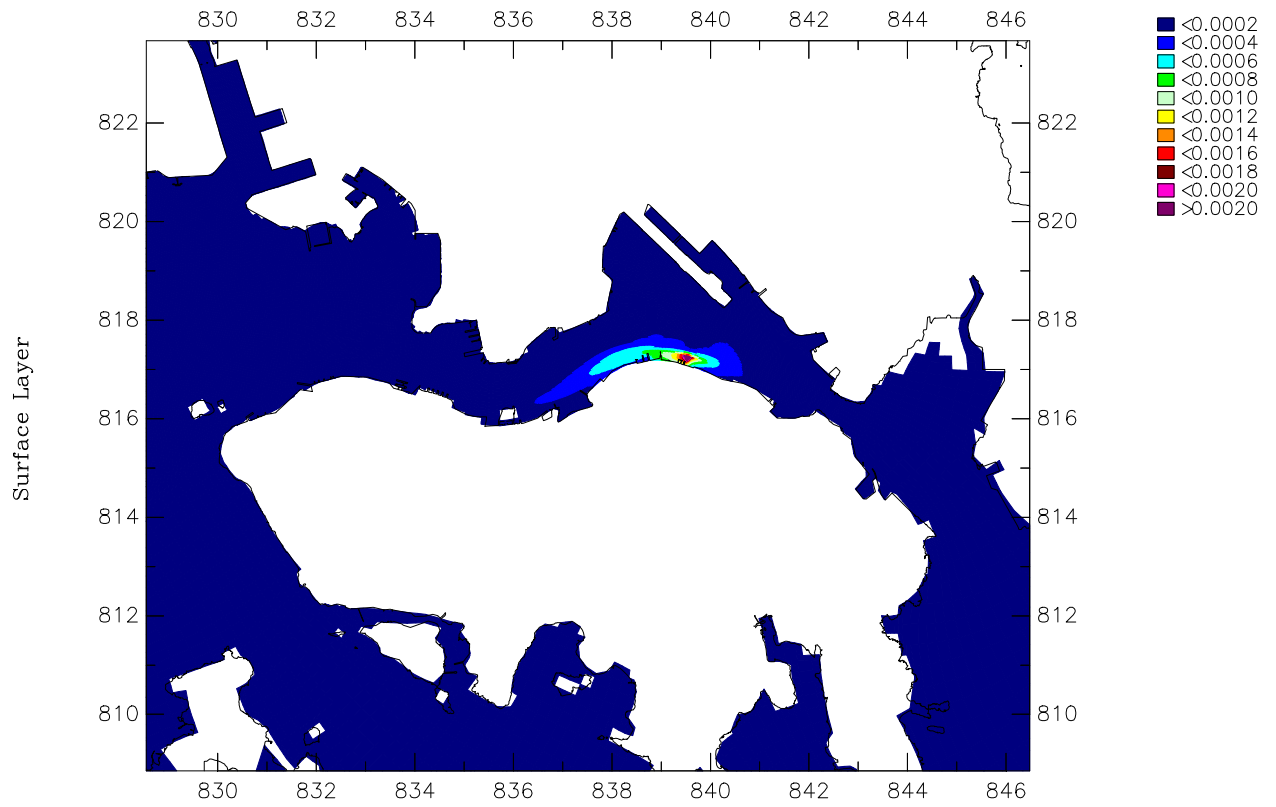


Maximum Total Inorganic Nitrogen (TIN) (mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd

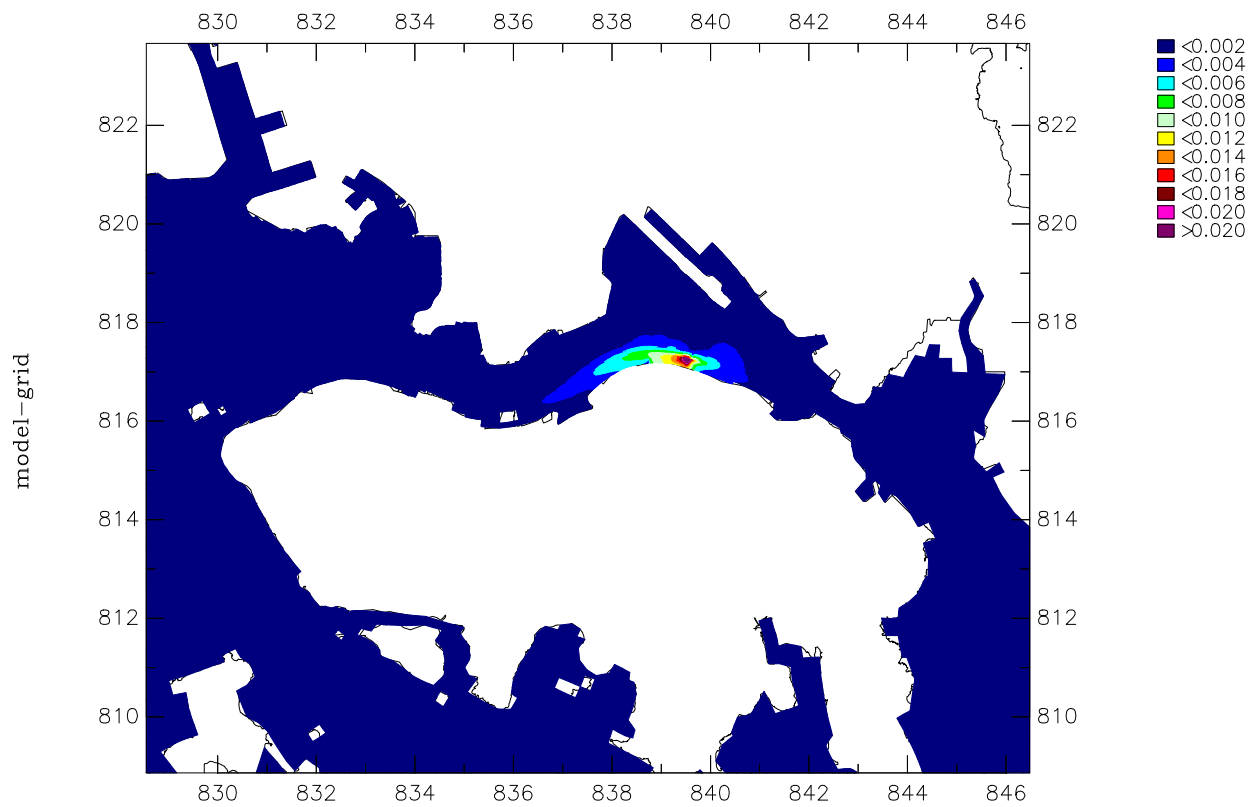
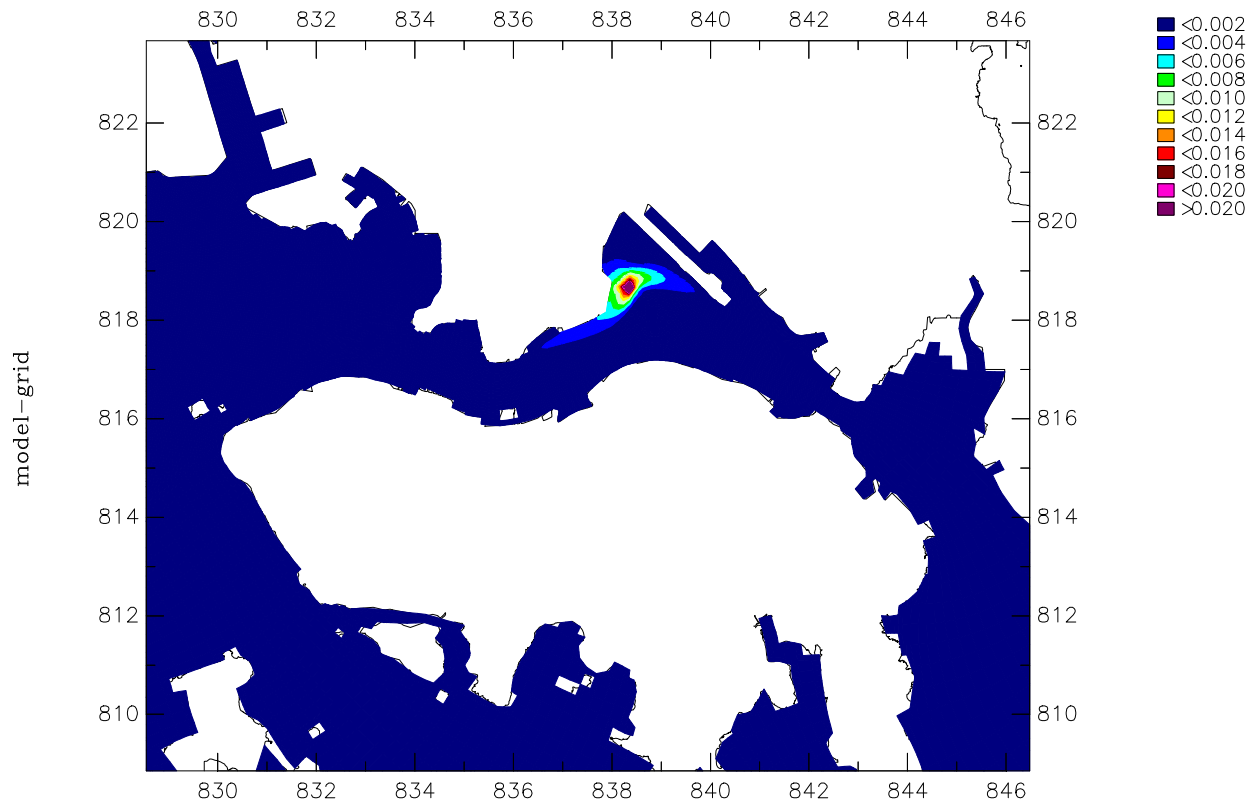


Maximum Total Inorganic Nitrogen (TIN) (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

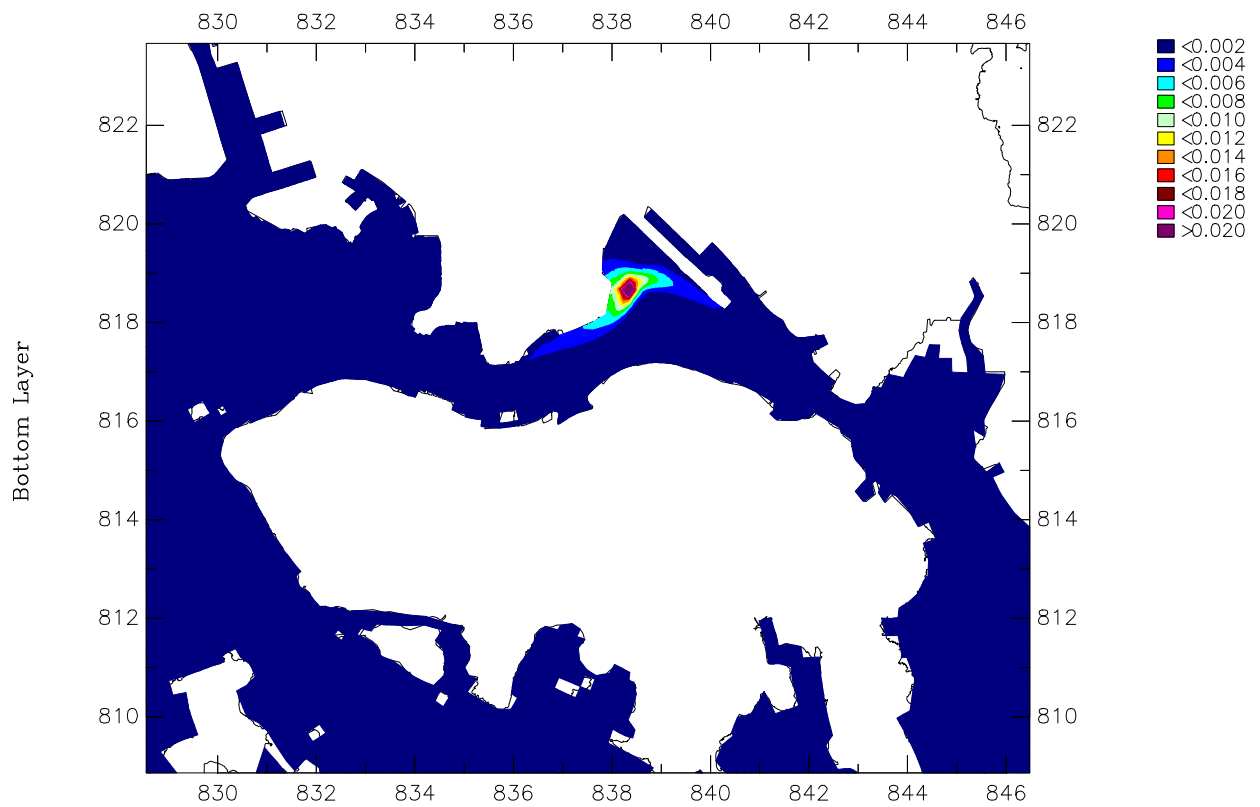
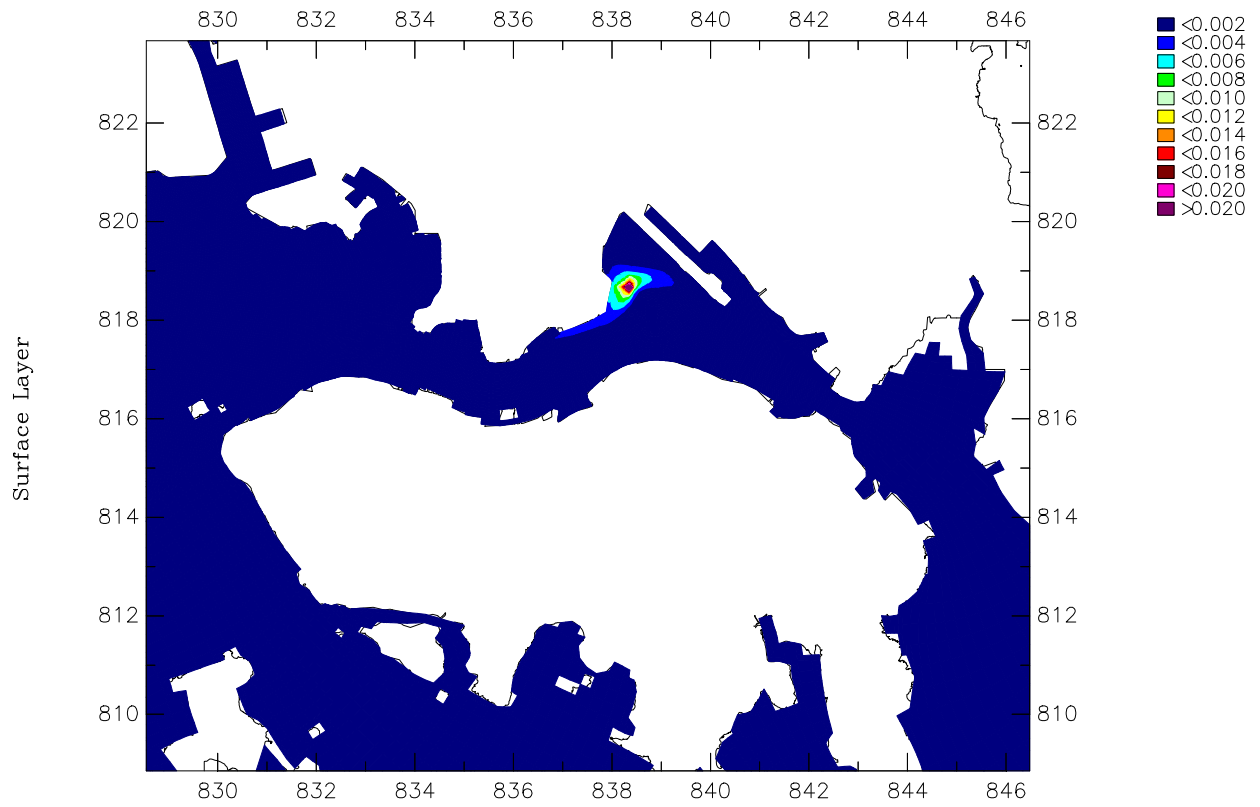
Mott MacDonald Hong Kong Ltd



Maximum Depth-averaged Unionized Ammonia (NH₃) (mg/L)
 Upper Plot: Source A
 Lower Plot: Source B

Dry Season Scenario 1

Mott MacDonald Hong Kong Ltd

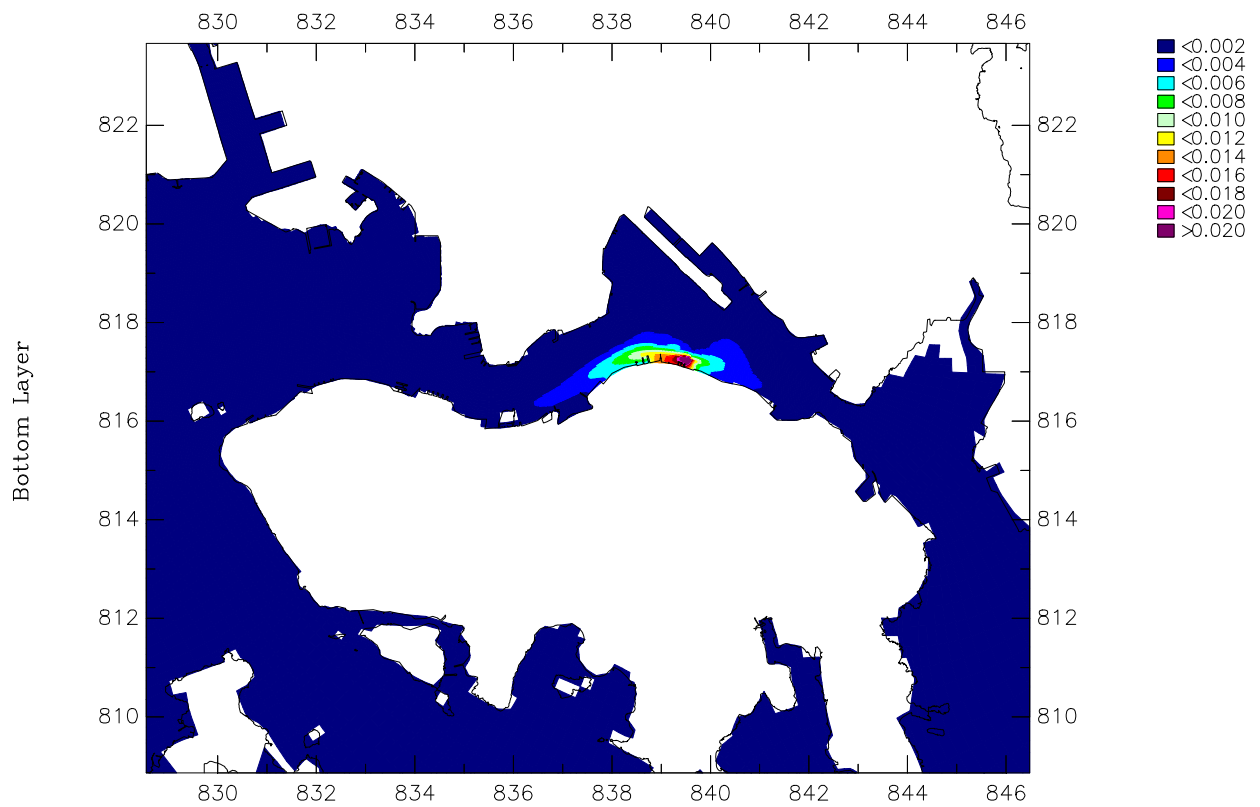
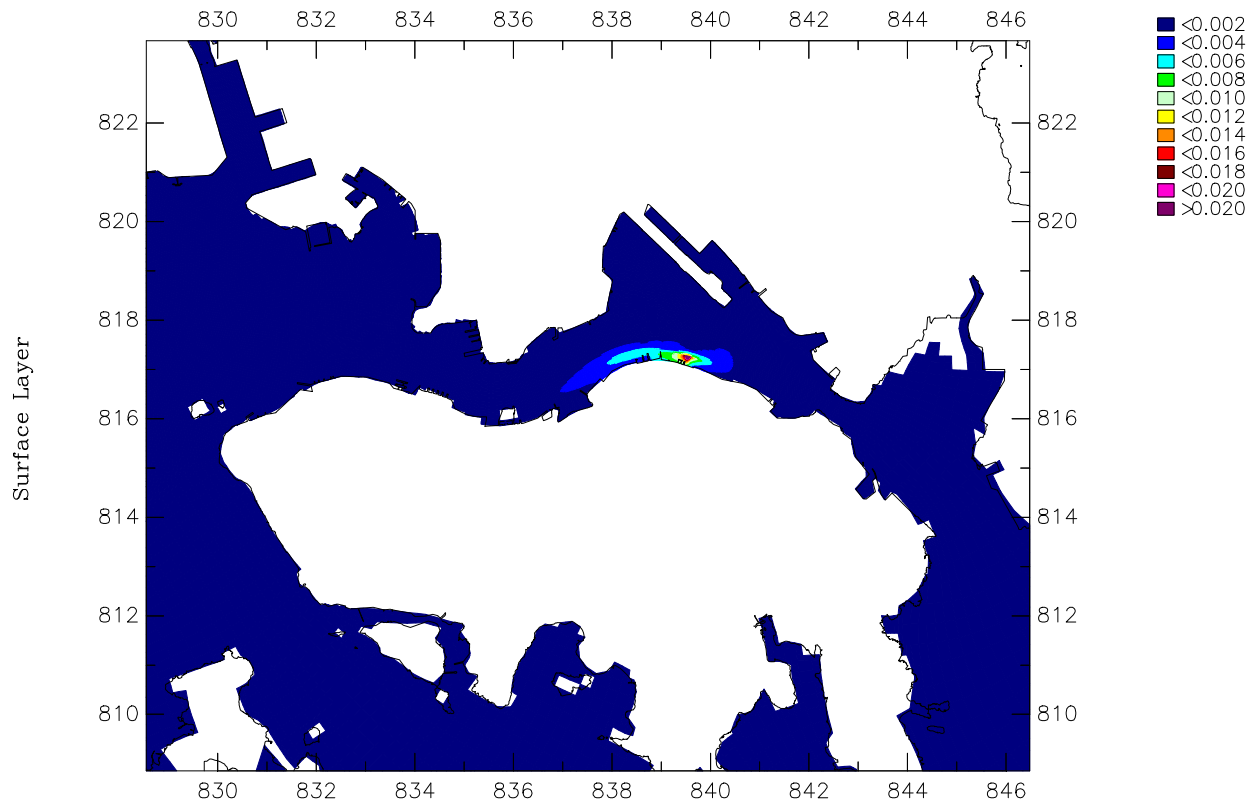


Maximum Unionized Ammonia (NH₃)(mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd

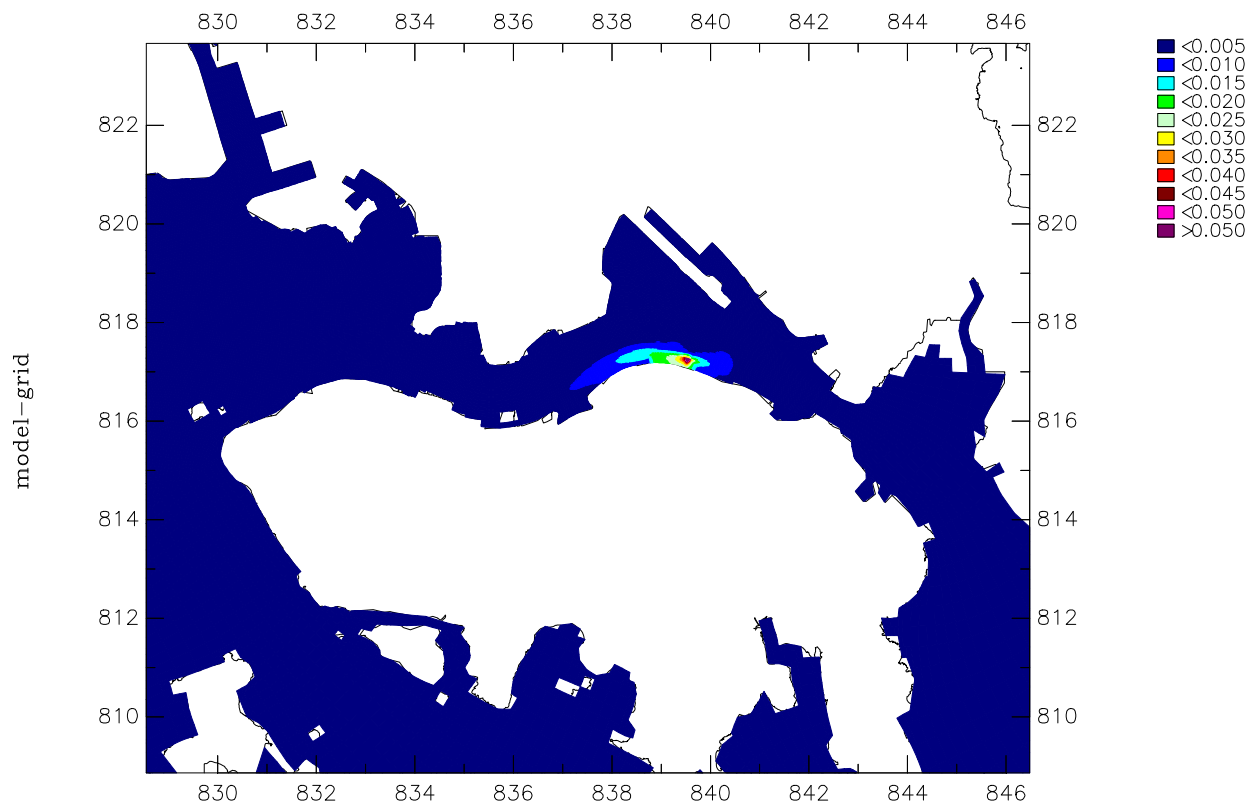
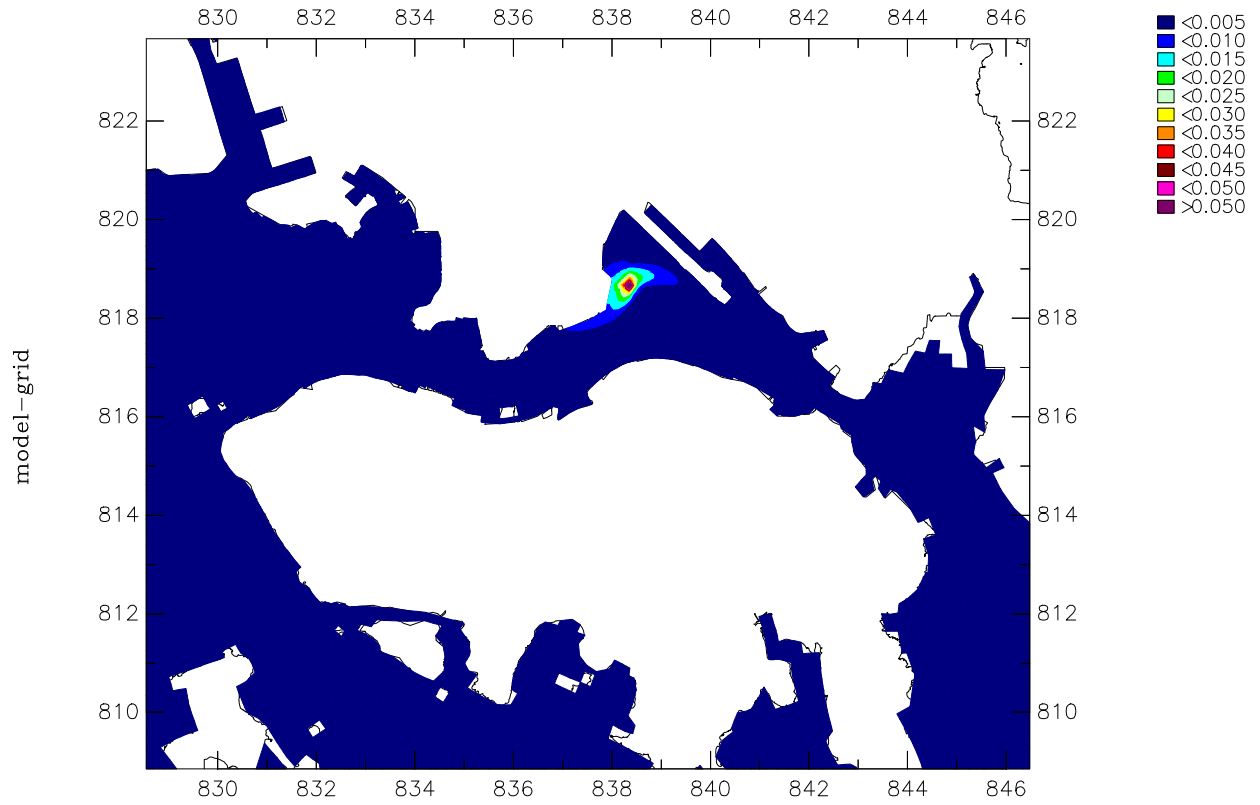


Maximum Unionized Ammonia (NH₃) (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd



Maximum Depth-averaged Dissolved Oxygen Decrease (mg/L)

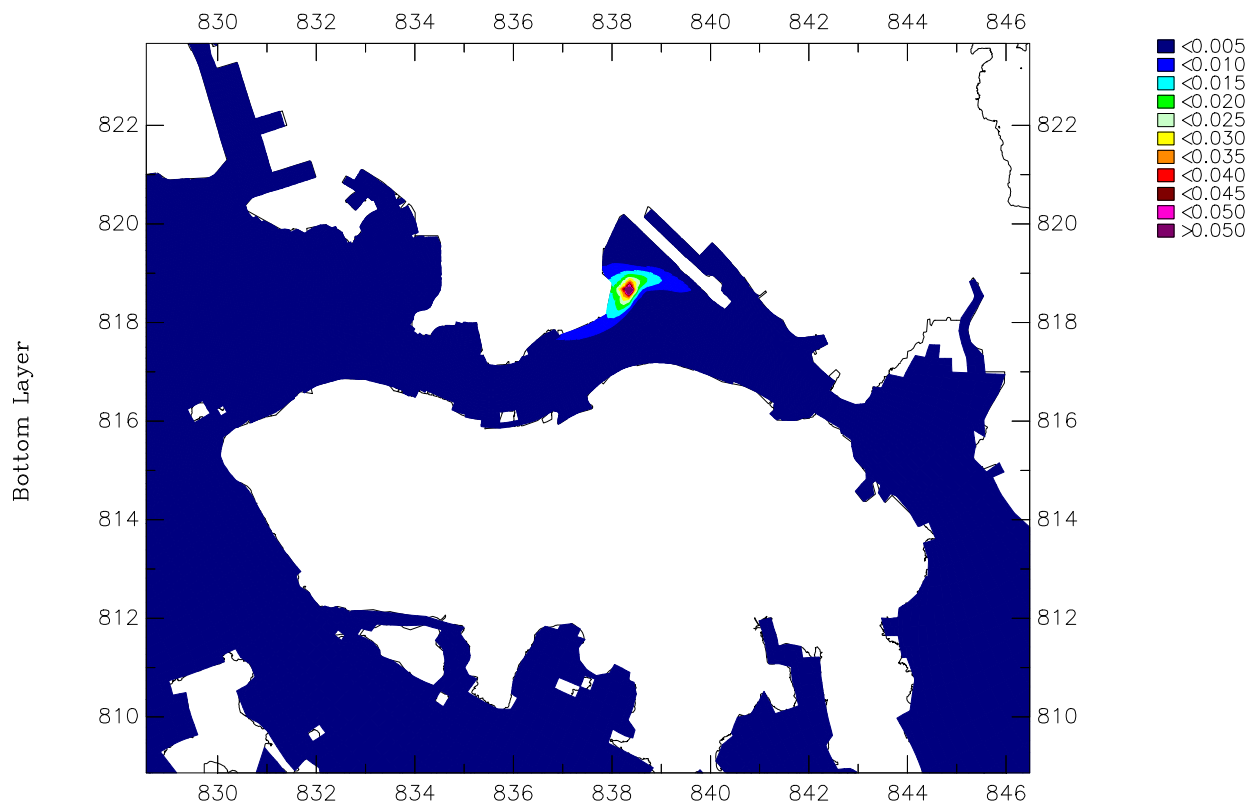
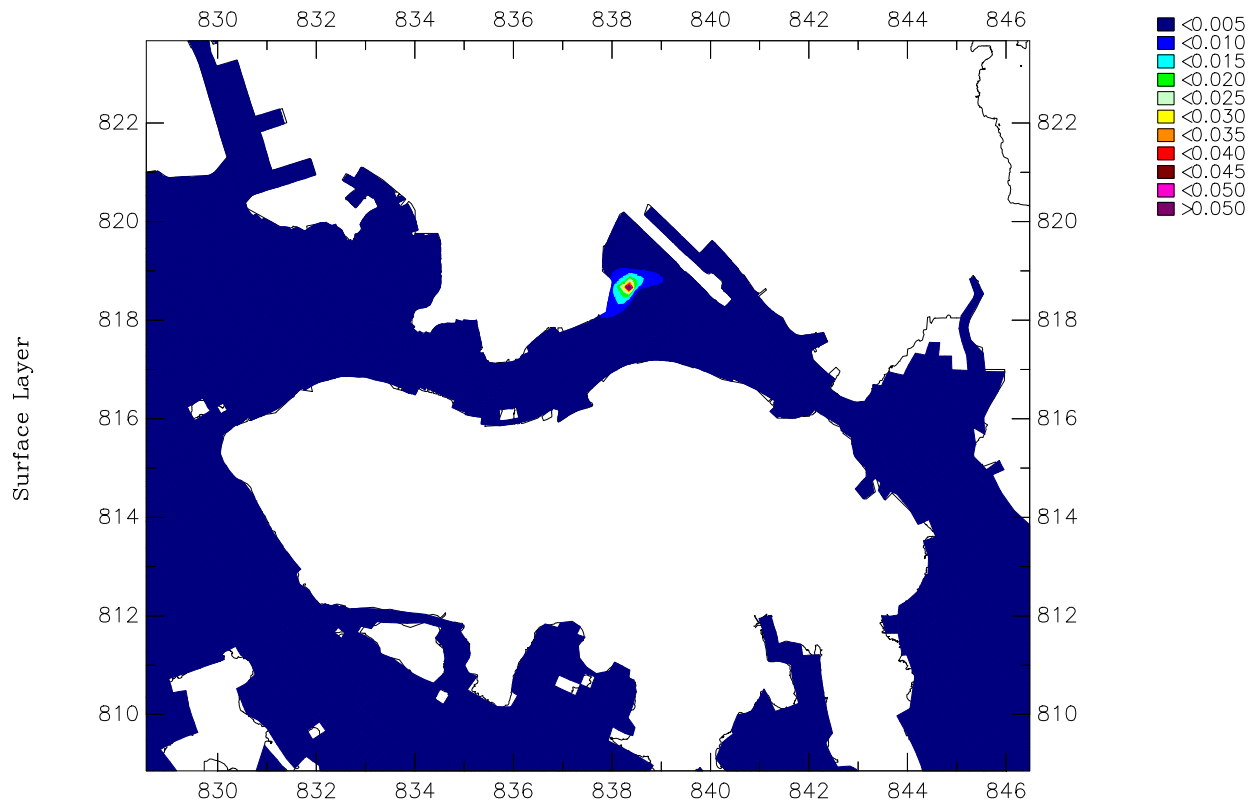
Dry Season

Scenario 1

Upper Plot: Source A

Lower Plot: Source B

Mott MacDonald Hong Kong Ltd

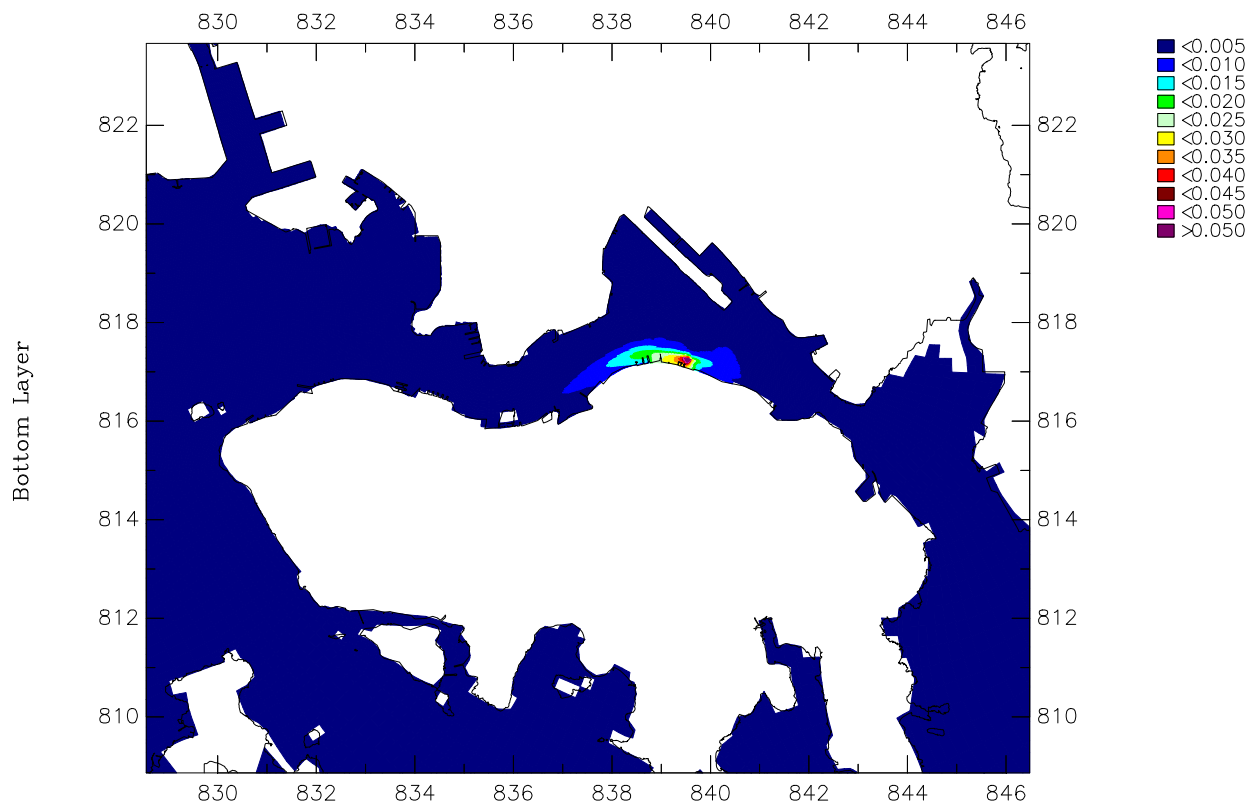
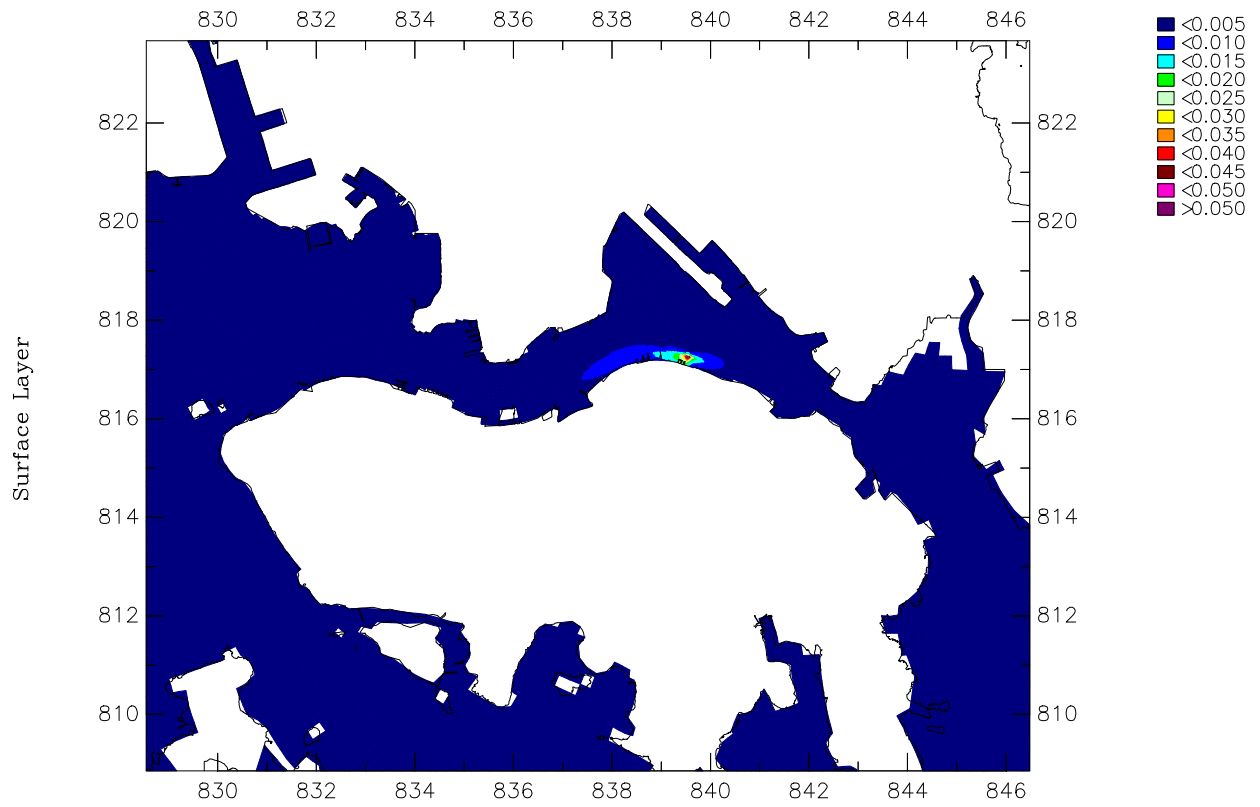


Maximum Dissolved Oxygen Decrease (mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

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Maximum Dissolved Oxygen Decrease (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Dry Season

Scenario 1

Mott MacDonald Hong Kong Ltd