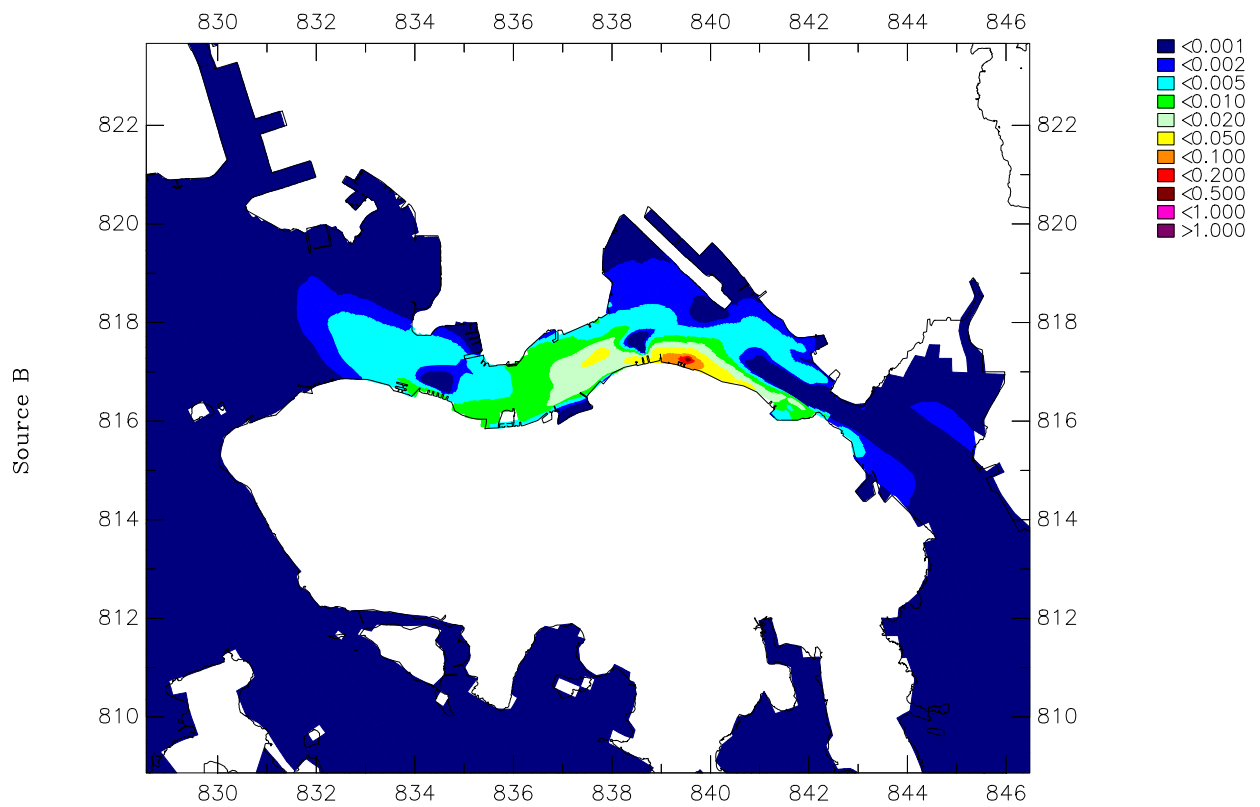
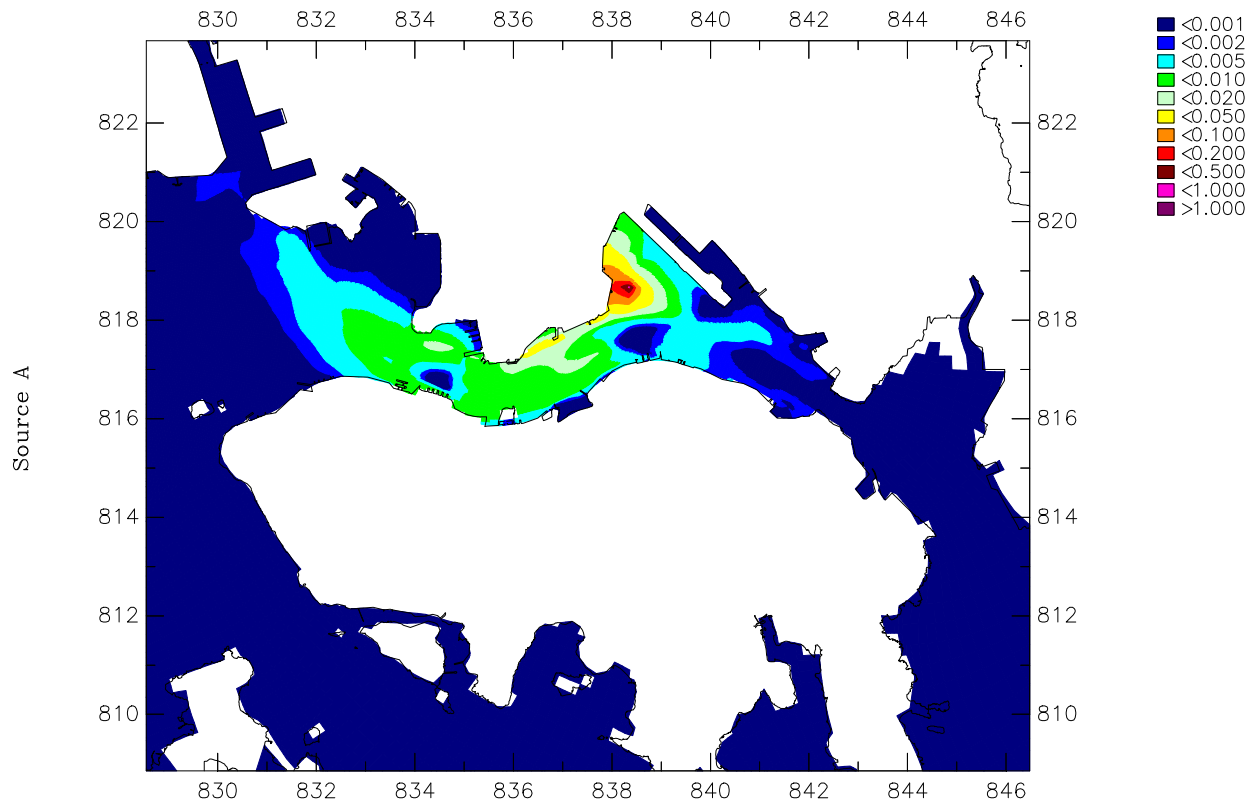


Installation of Submarine Gas Pipelines
and Associated Facilities from
To Kwa Wan to North Point for Former Kai Tak Airport Development
Consultancy Services for Feasibility Study and Detailed Design
Environmental Impact Assessment Report



Appendix B3
Sediment Plume Model Results – Scenario 1 Wet Season



Maximum Deposition Rate (kg/m²/day)

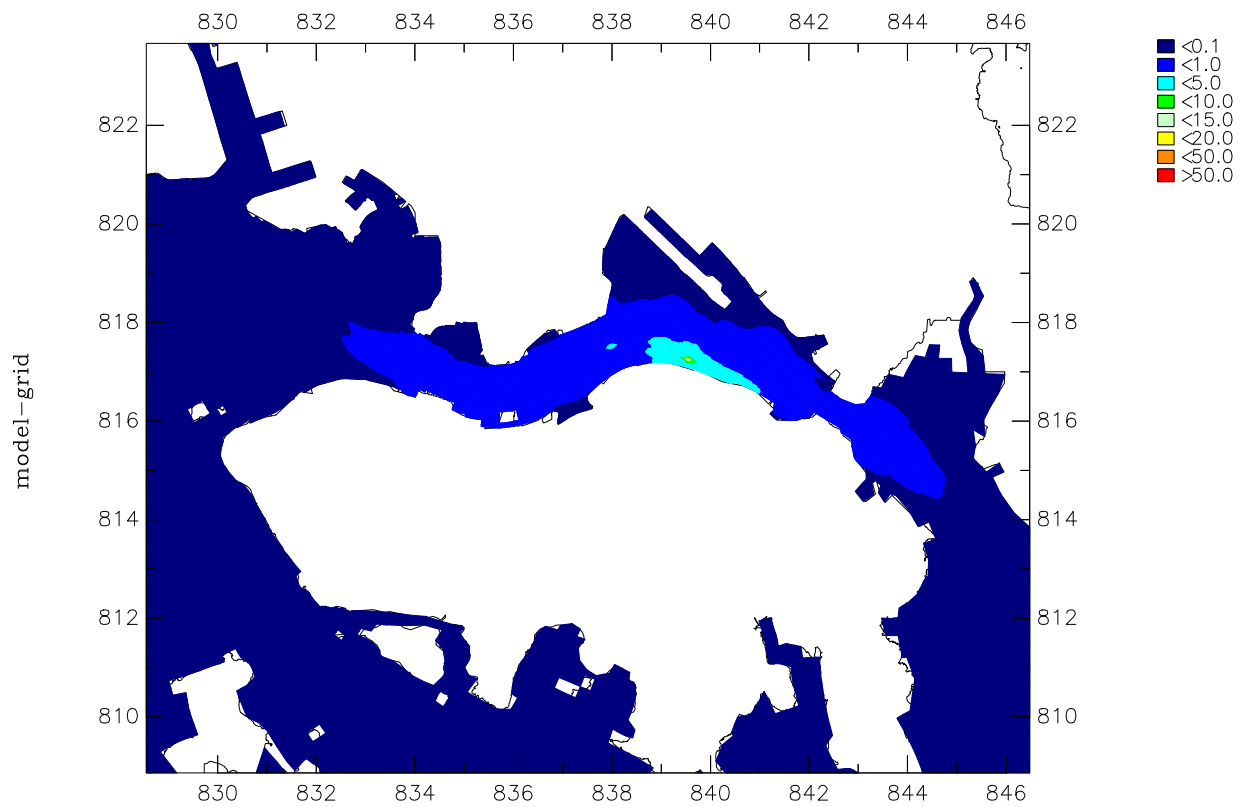
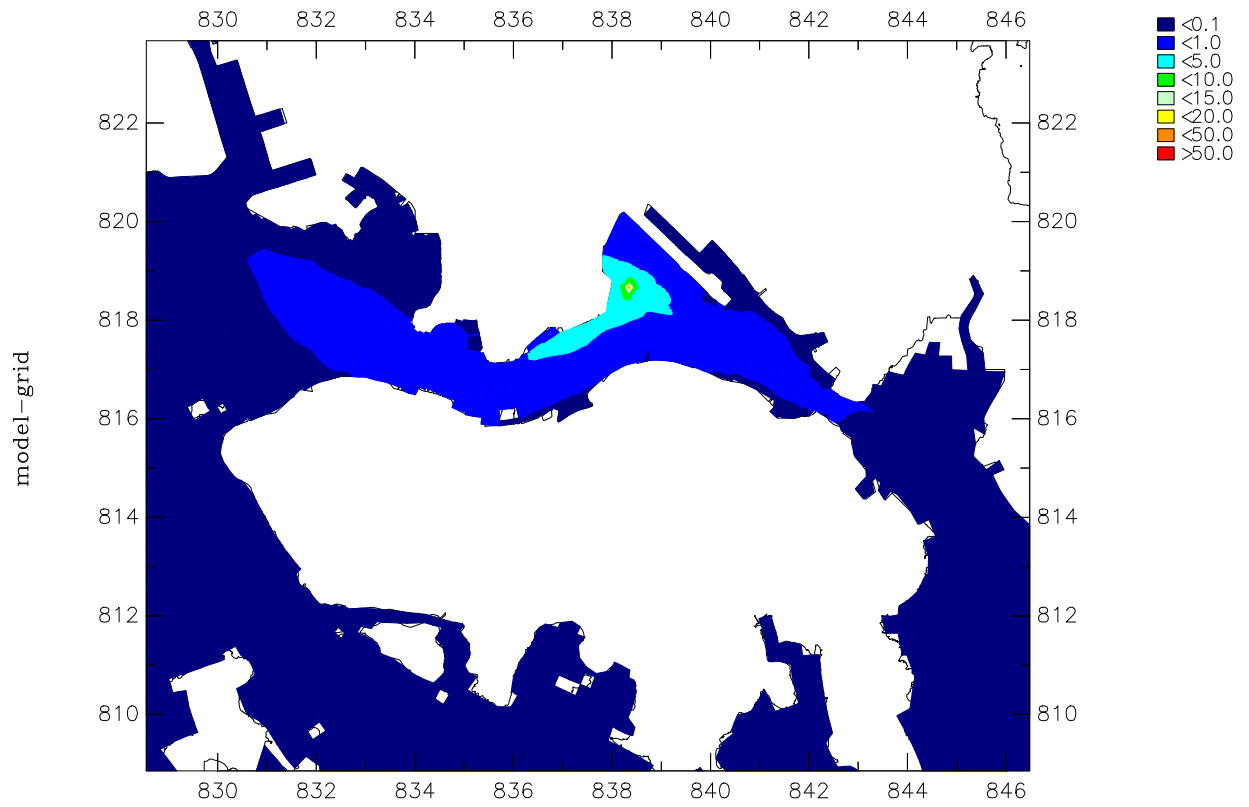
Upper Plot: Dredging Operations at Source A

Lower Plot: Dredging Operations at Source B

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd



Maximum Depth-averaged SS Elevations (mg/L)

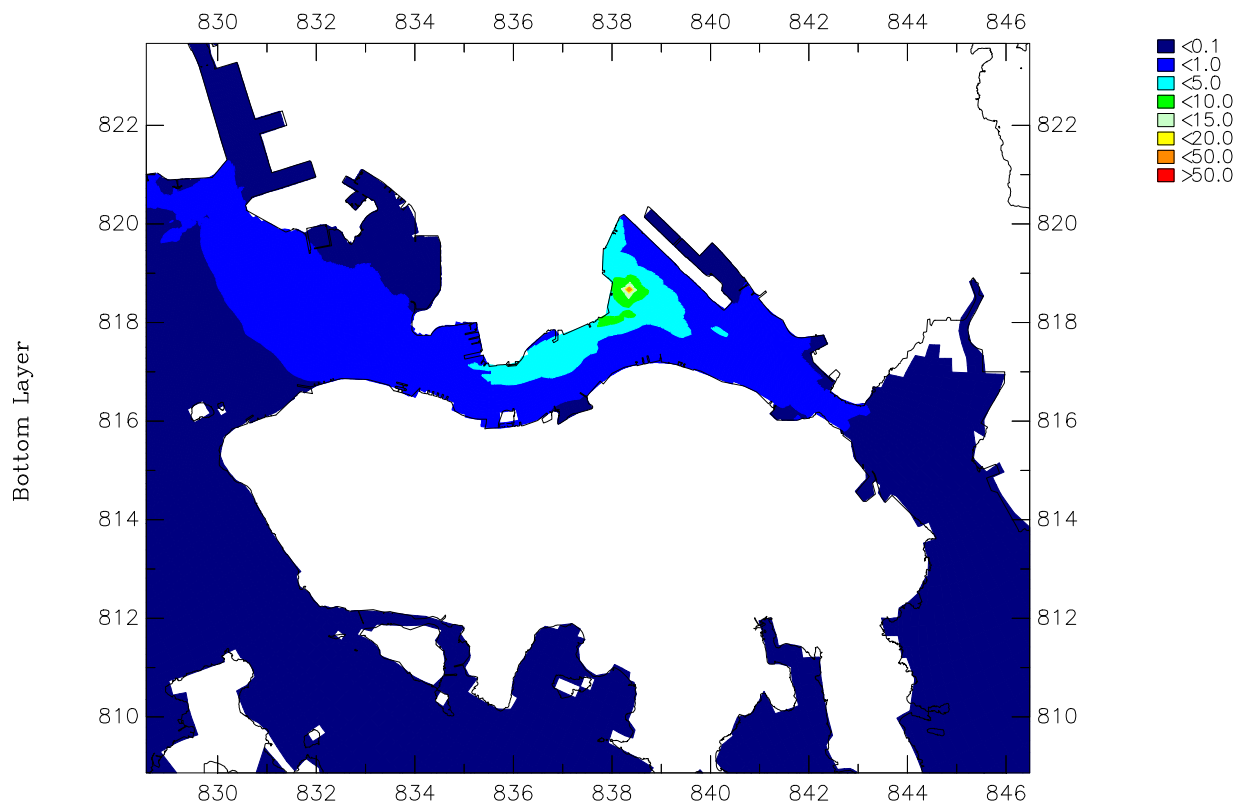
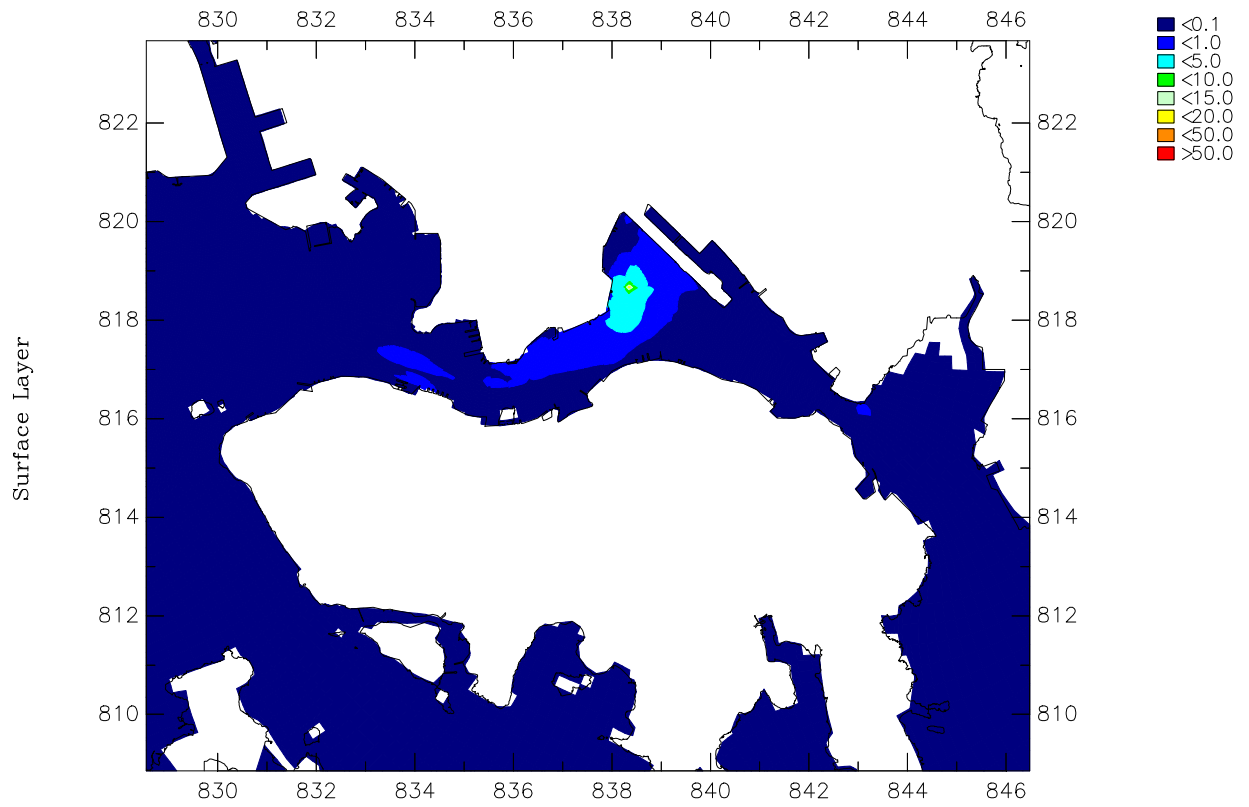
Upper Plot: Source A

Lower Plot: Source B

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd

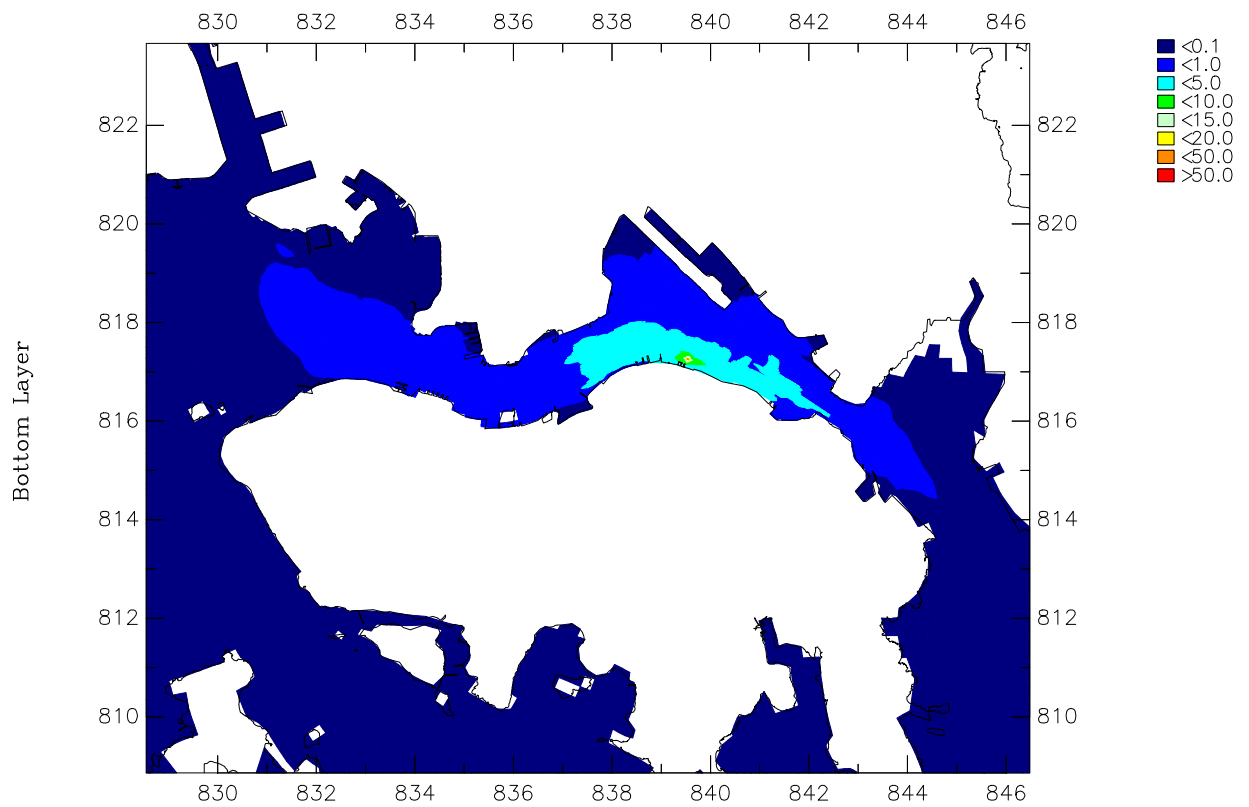
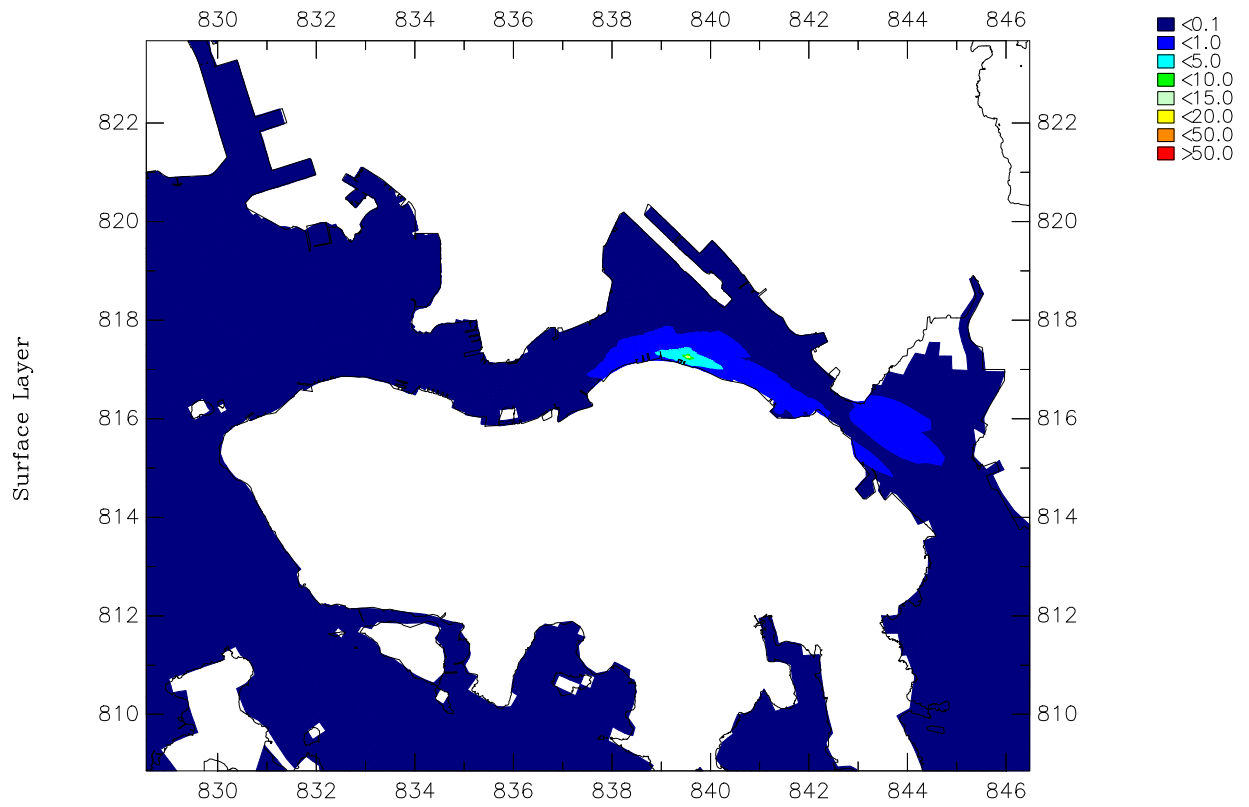


Maximum SS Elevations (mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd

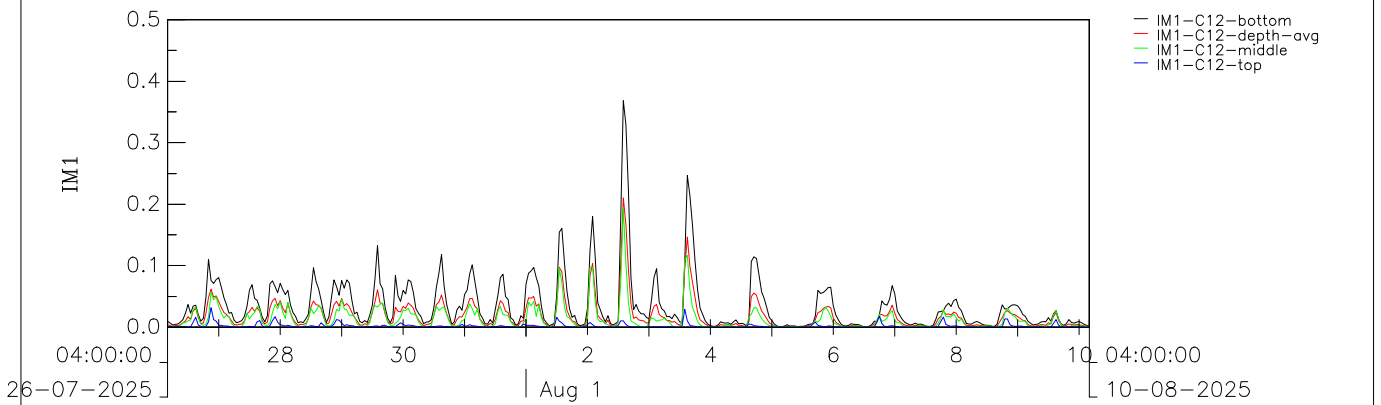
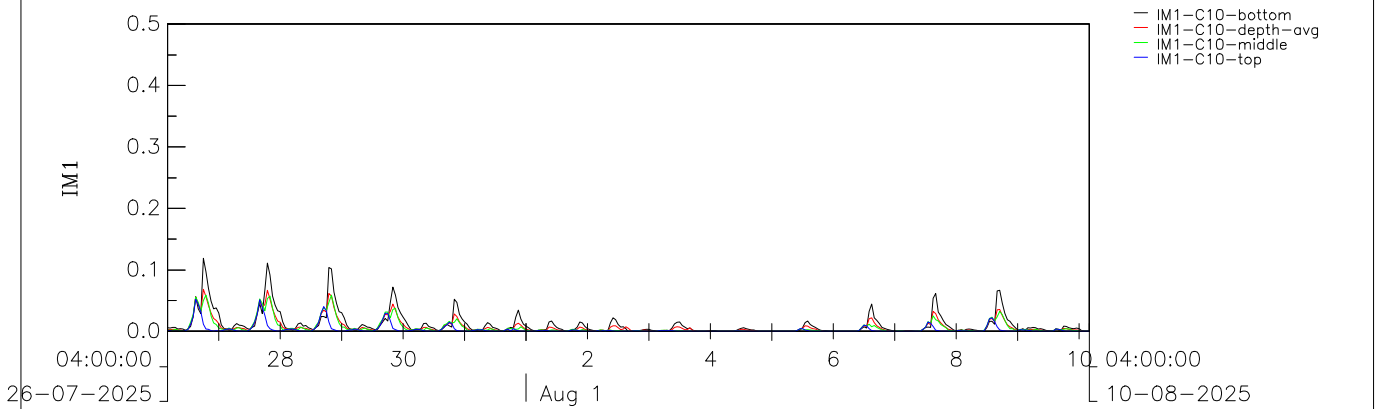
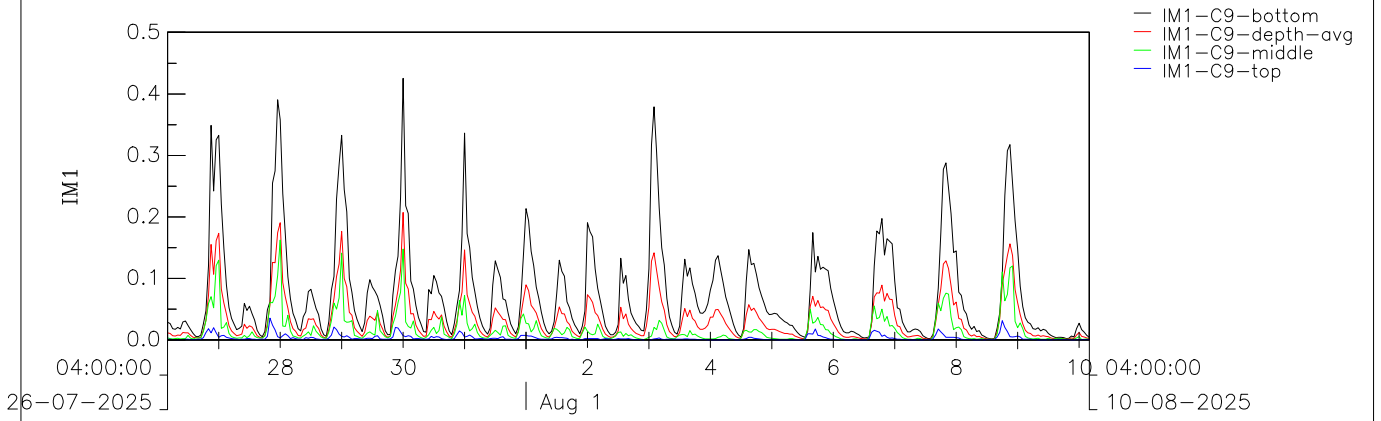
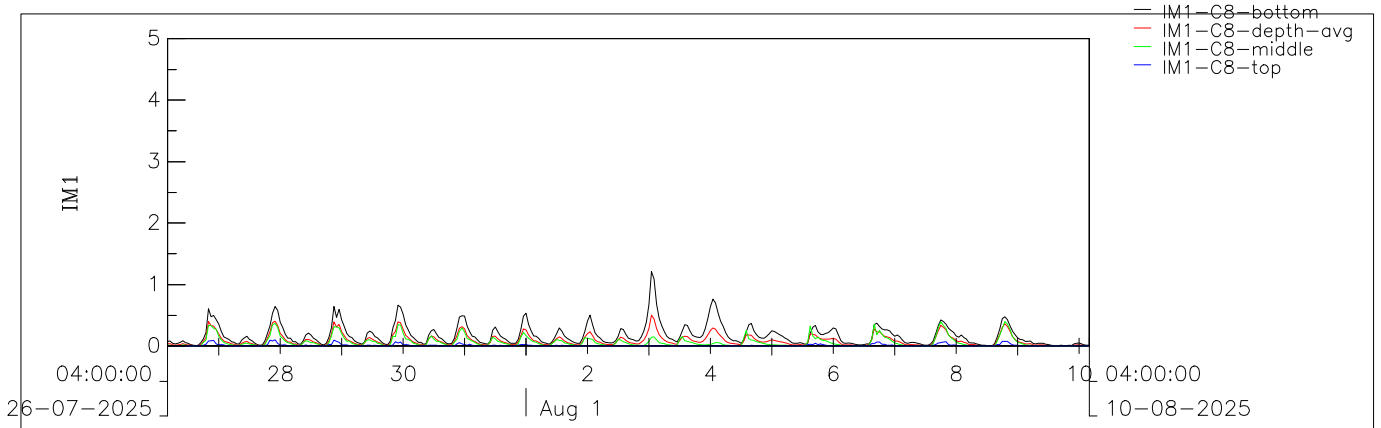


Maximum SS Elevations (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

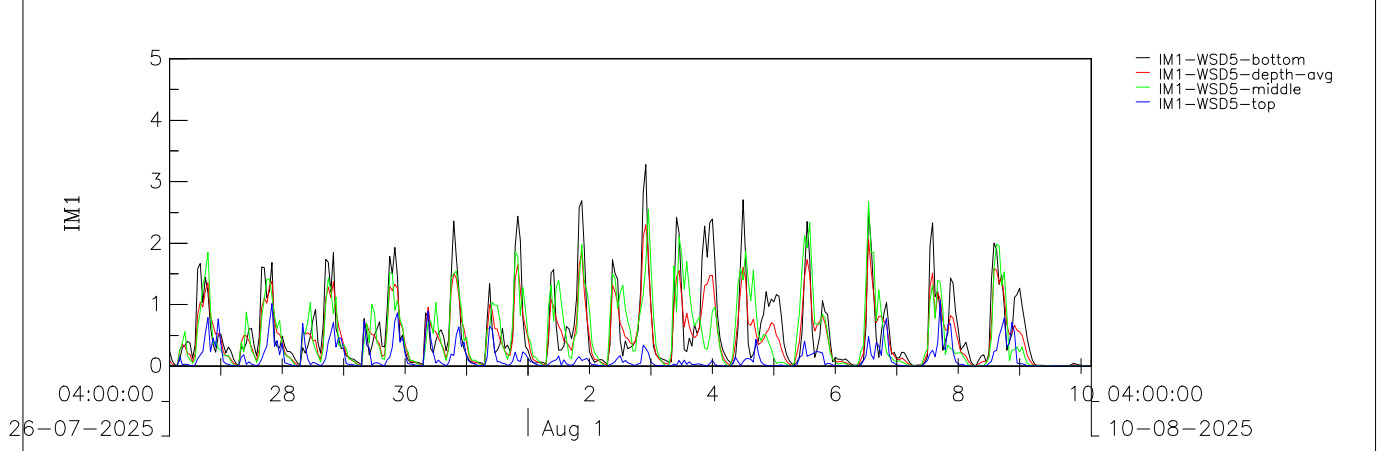
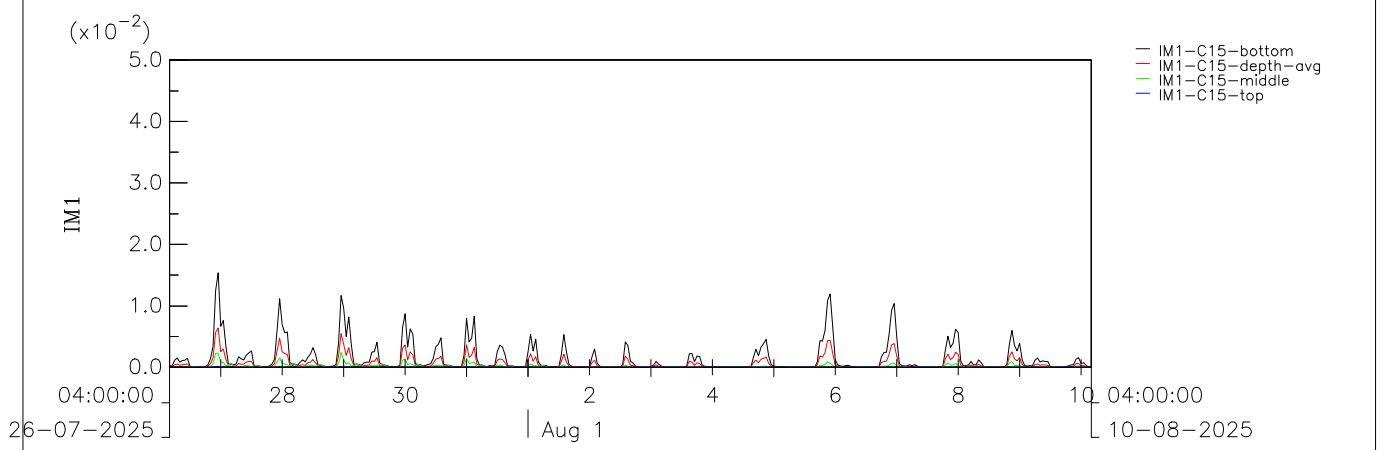
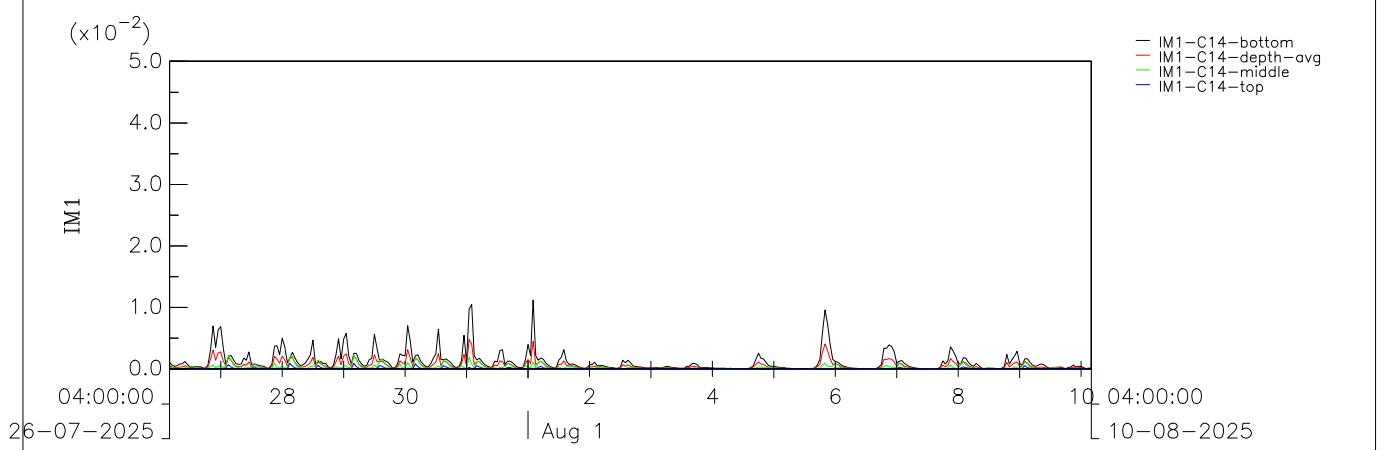
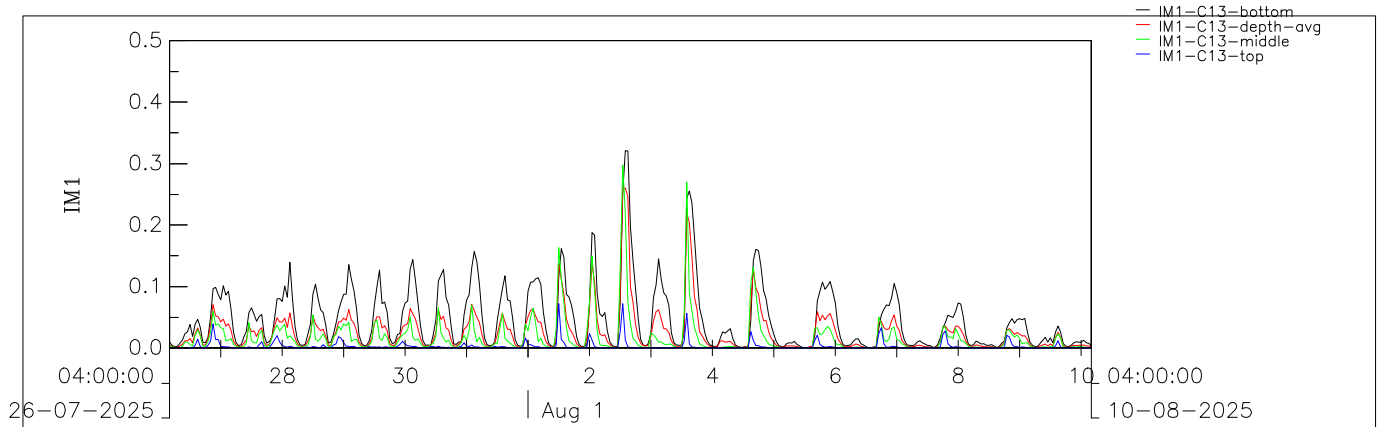
Wet Season

Scenario 1

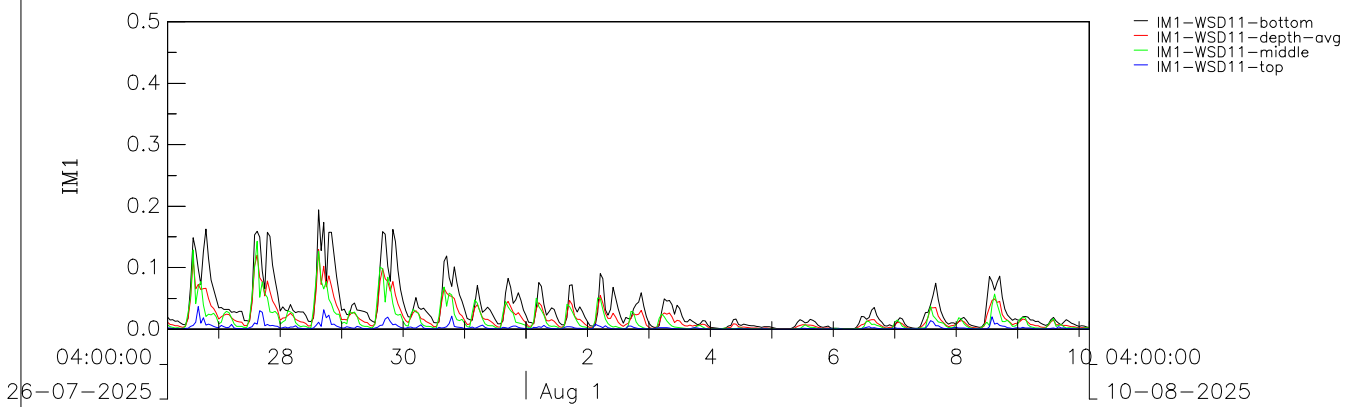
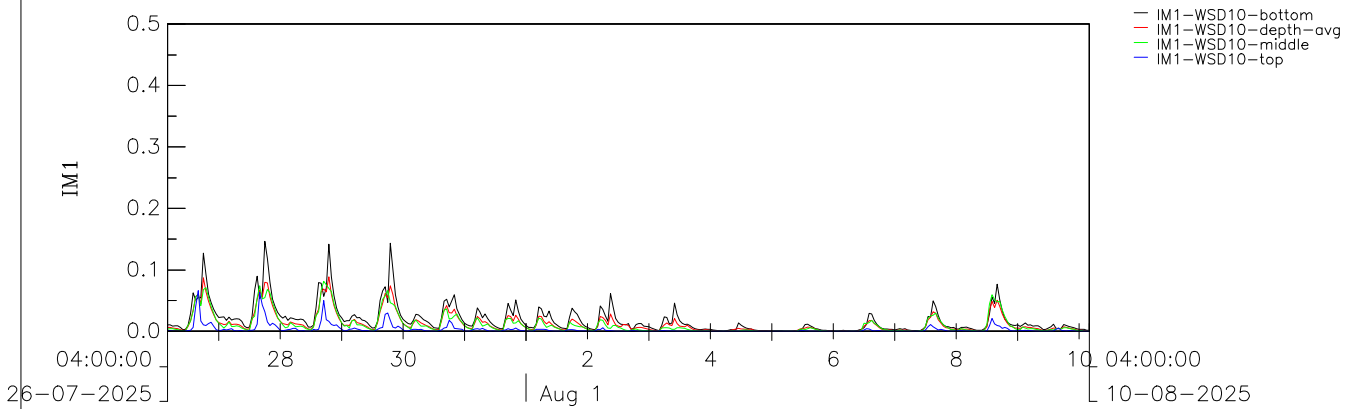
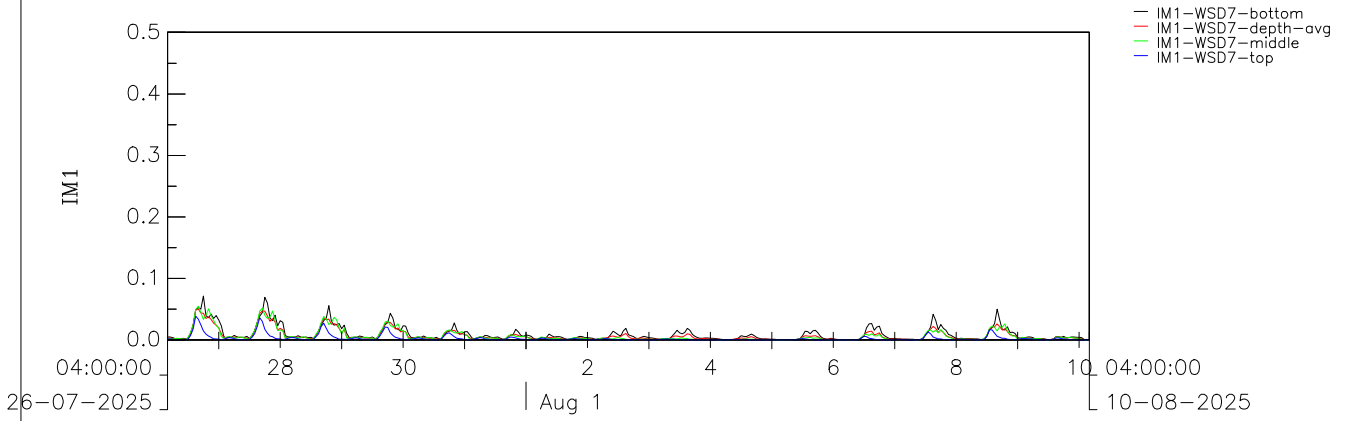
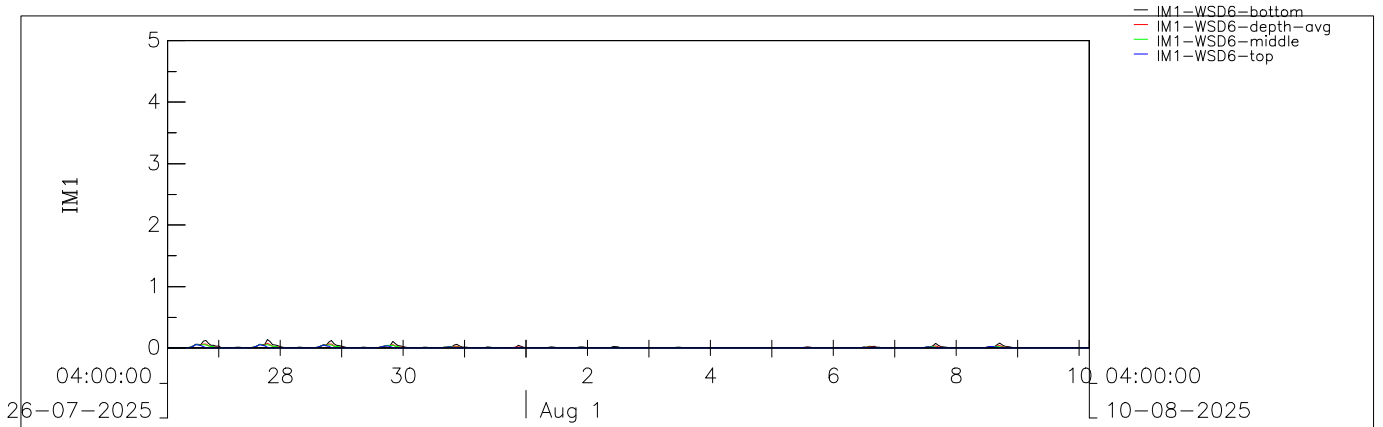
Mott MacDonald Hong Kong Ltd



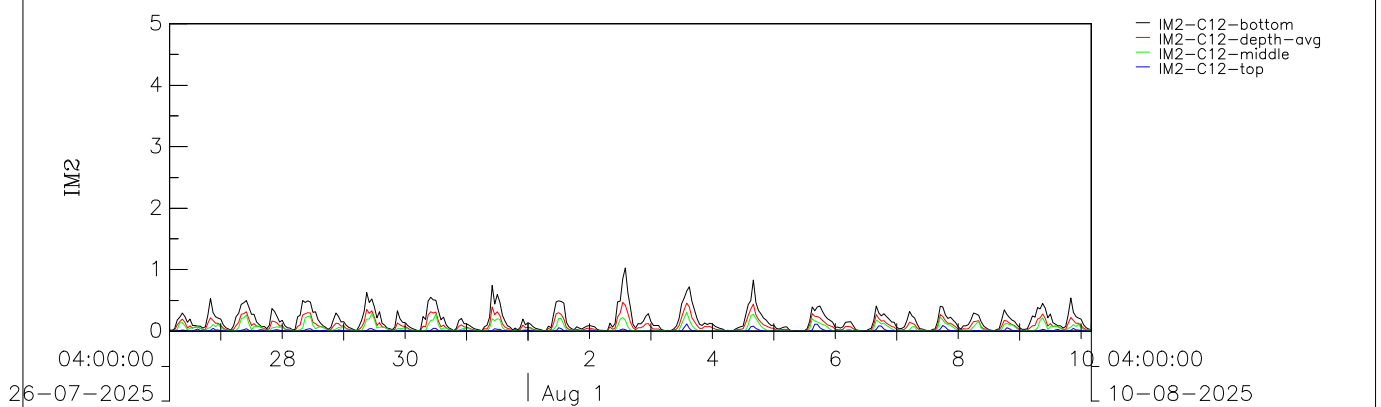
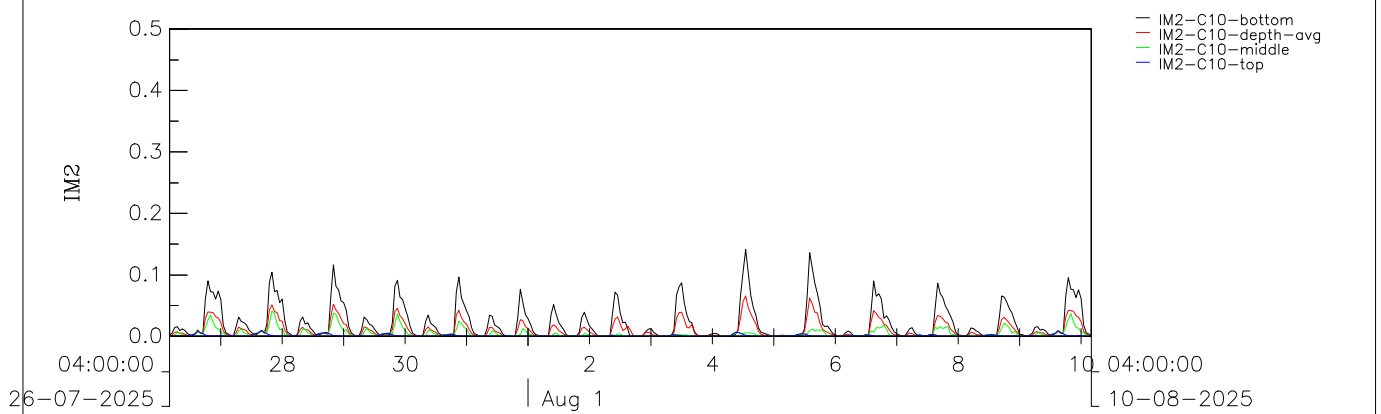
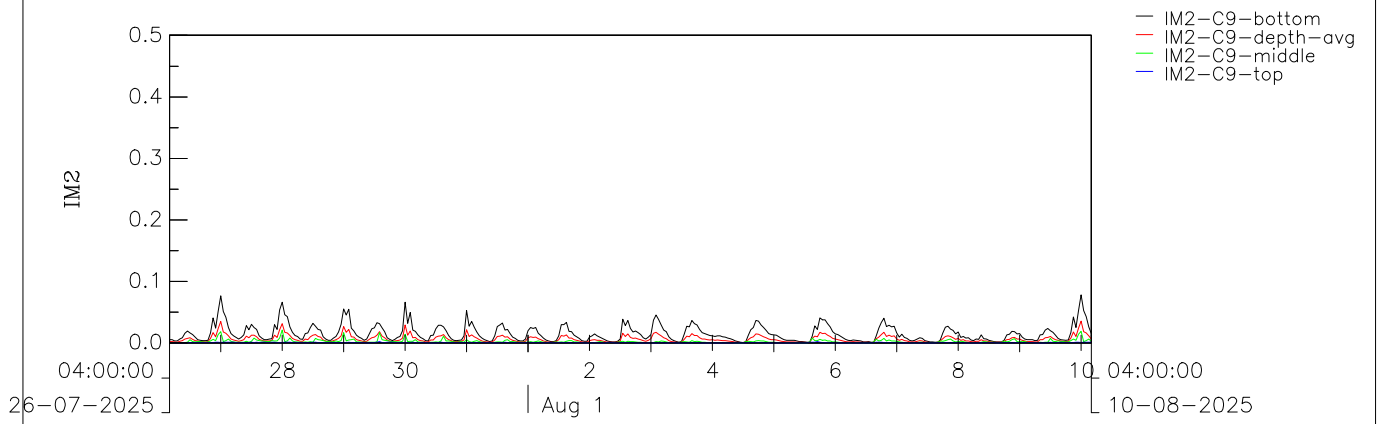
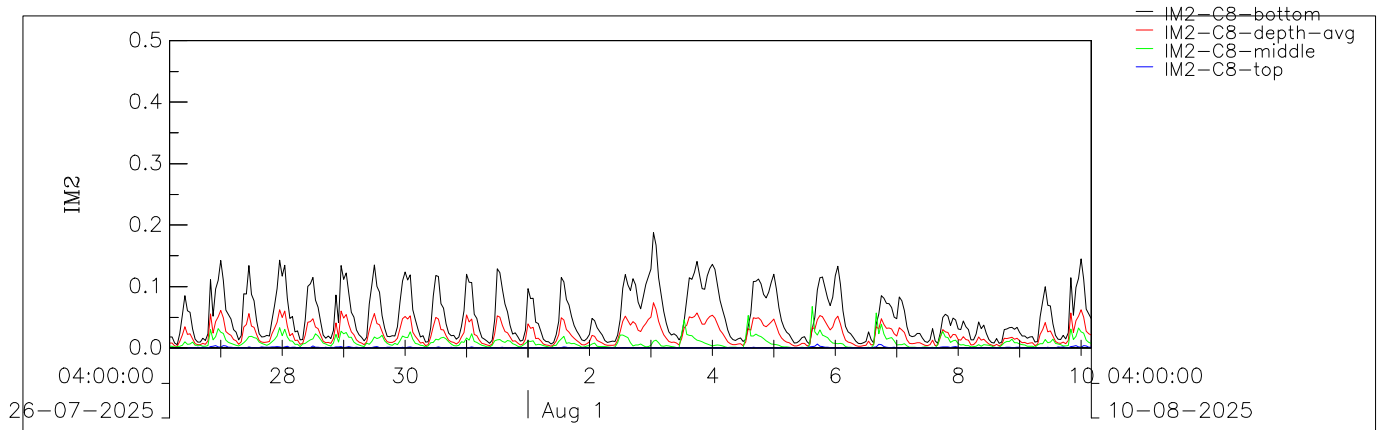
SS Elevations (mg/L) at Stations C8, C9, C10, C12 from Source A 1st Plot: C8; 2nd Plot: C9; 3rd Plot: C10; 4th Plot: C12	Wet Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



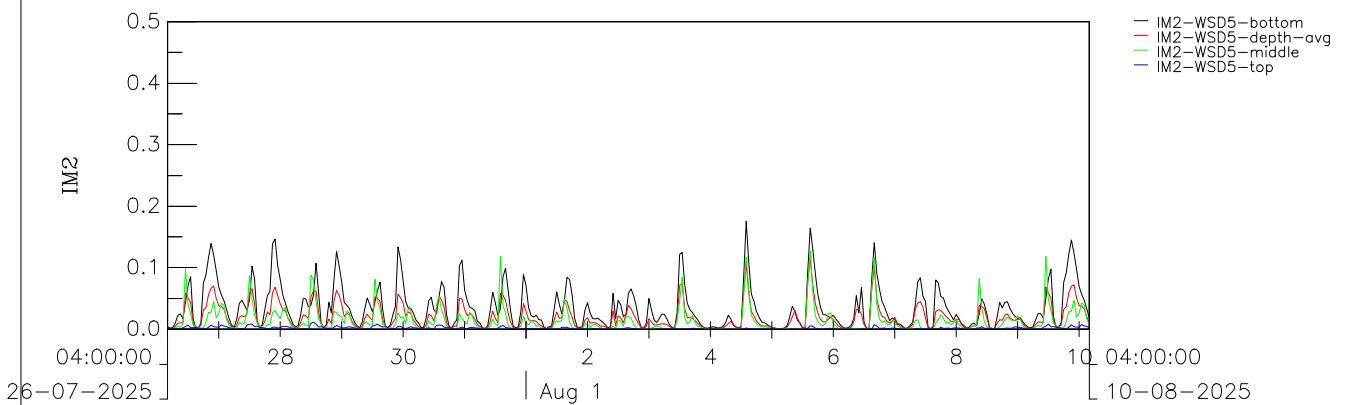
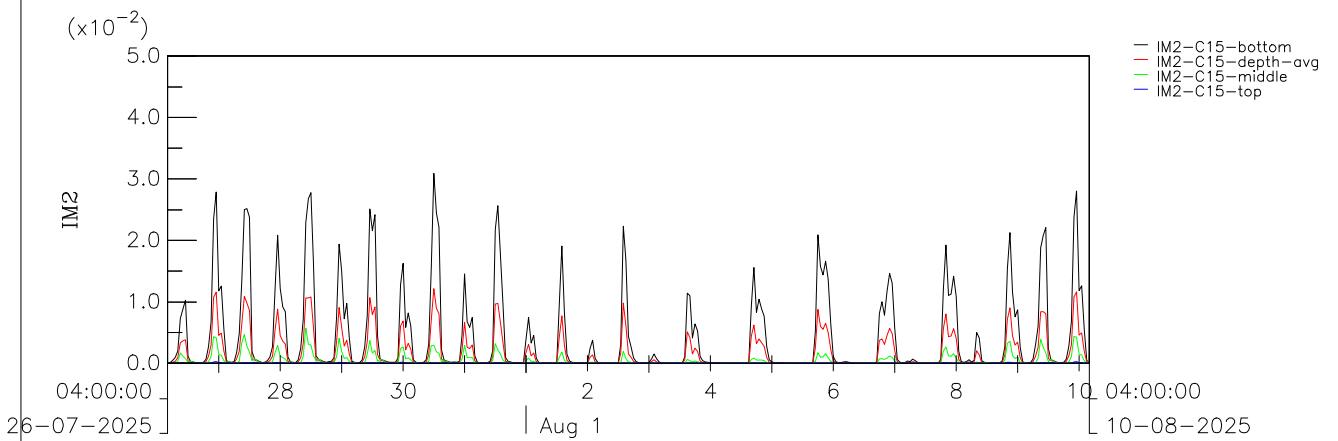
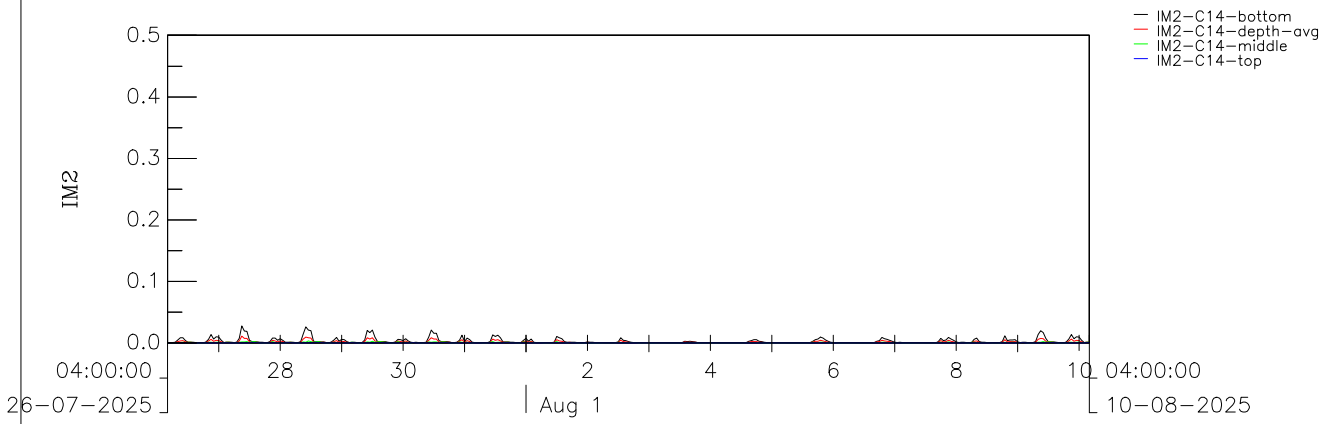
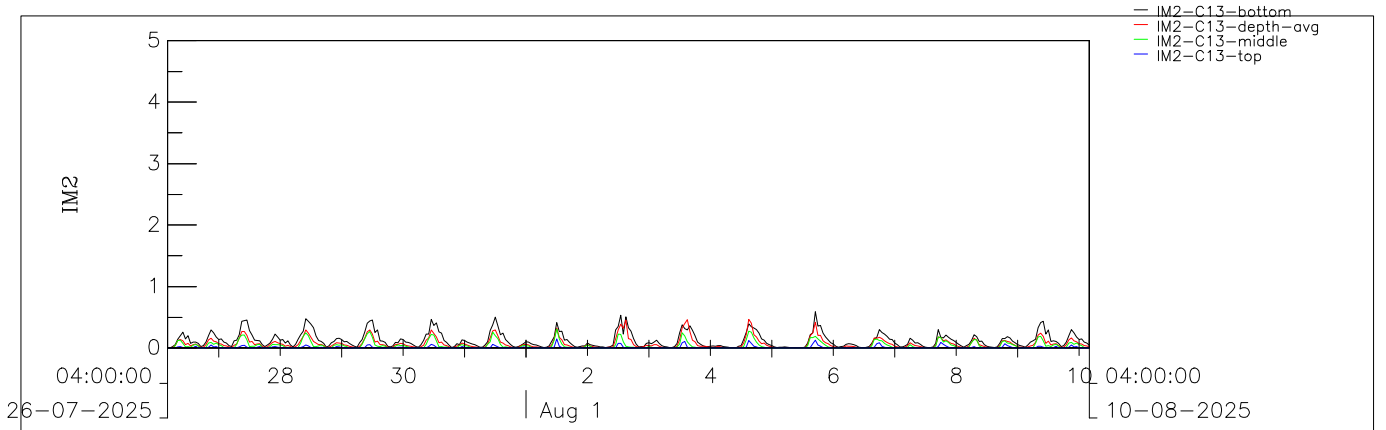
SS Elevations (mg/L) at Stations C13, C14, C15, WSD5 from Source A 1st Plot: C13; 2nd Plot: C14; 3rd Plot: C15; 4th Plot: WSD5	Wet Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



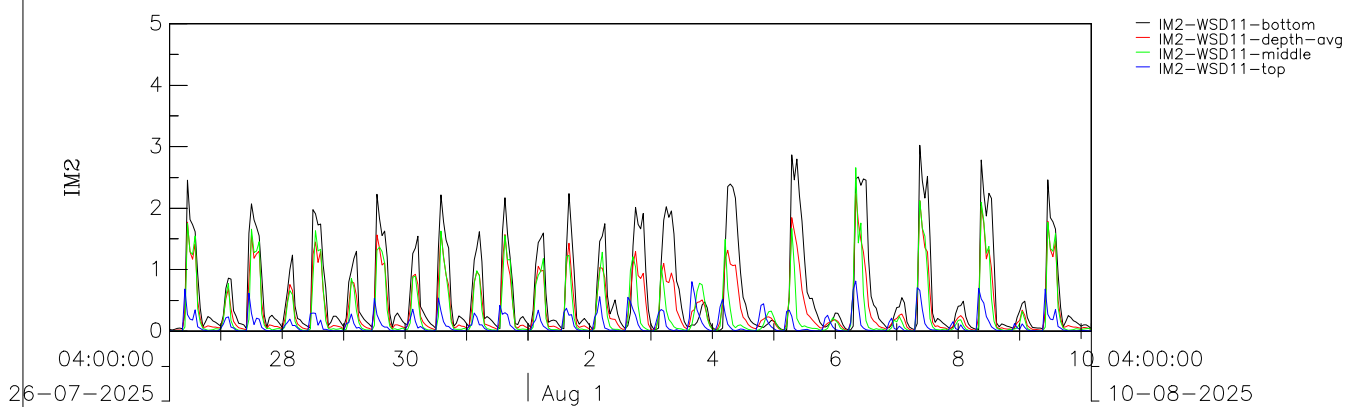
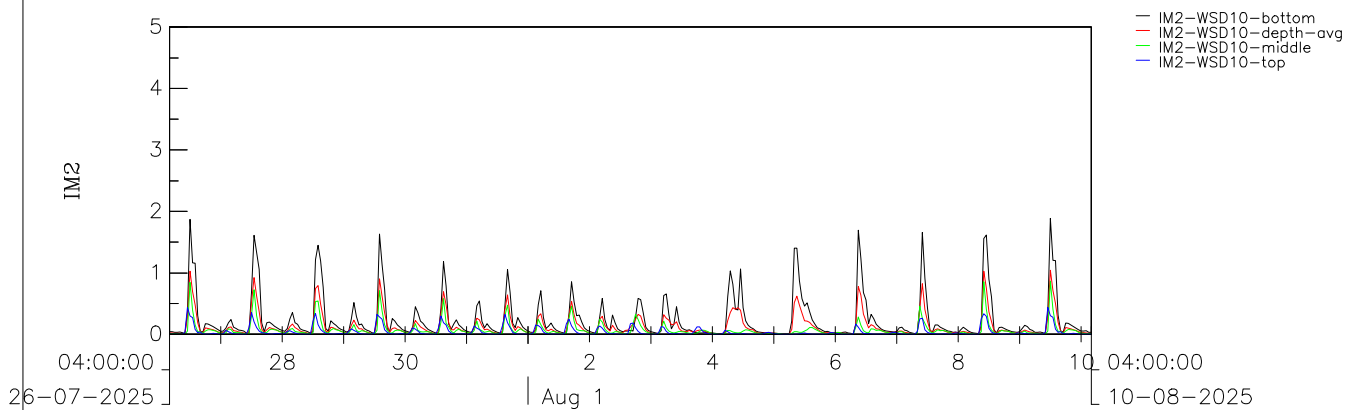
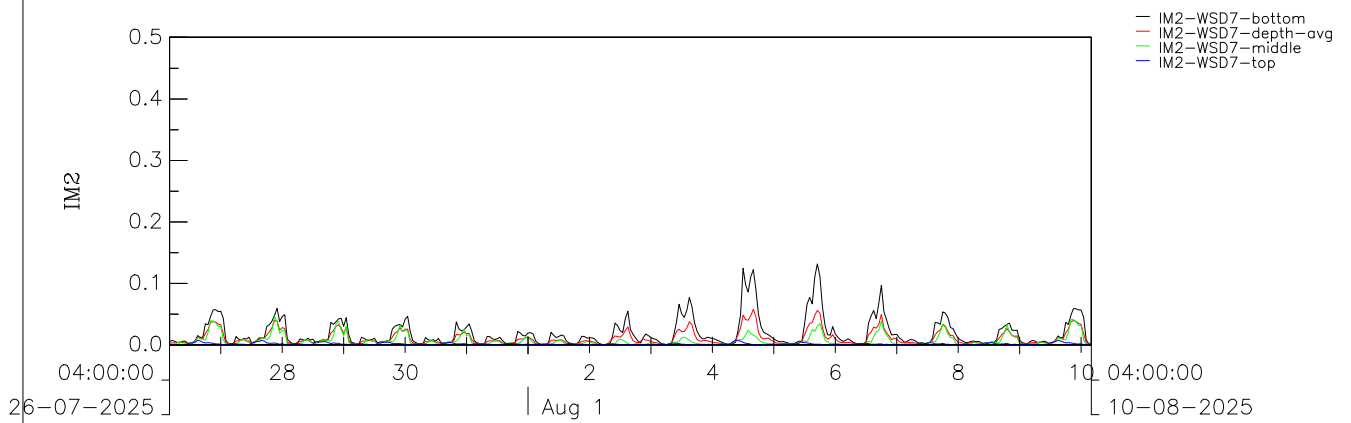
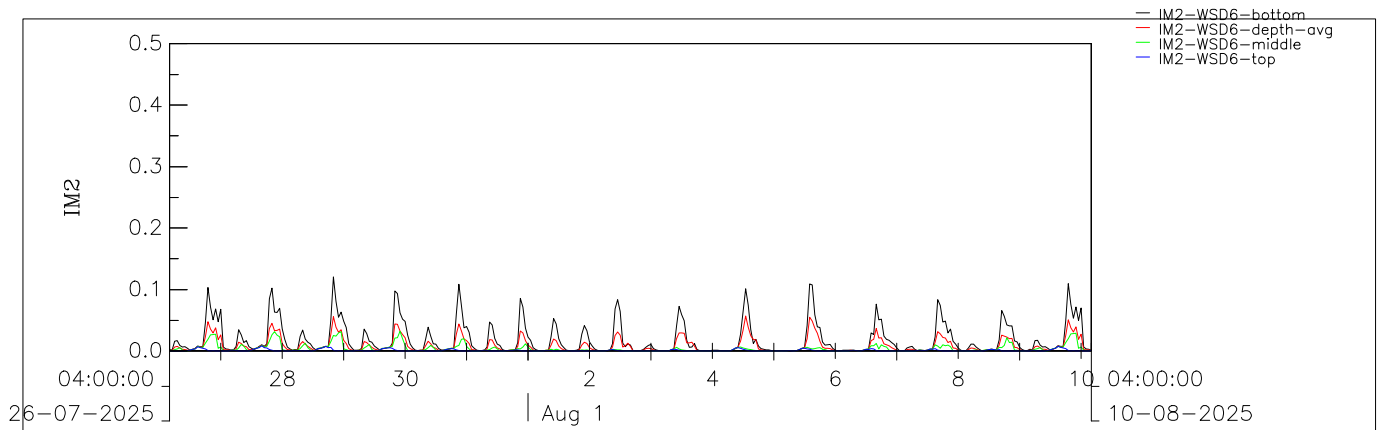
SS Elevations (mg/L) at Stations WSD6, WSD7, WSD10, WSD11 from Source A 1st Plot: WSD6; 2nd Plot: WSD7; 3rd Plot: WSD10; 4th Plot: WSD11	Wet Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



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	Wet Season	Scenario 1
Mott MacDonald Hong Kong Ltd		



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



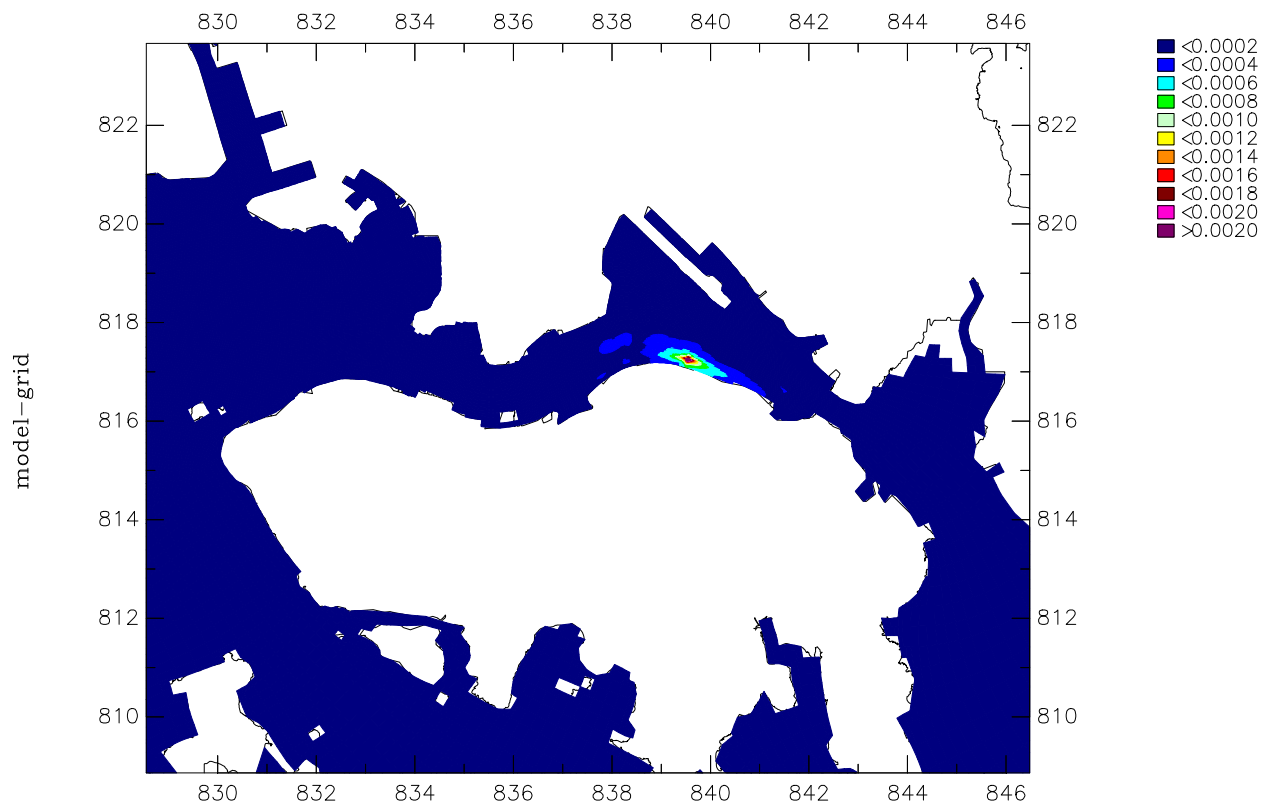
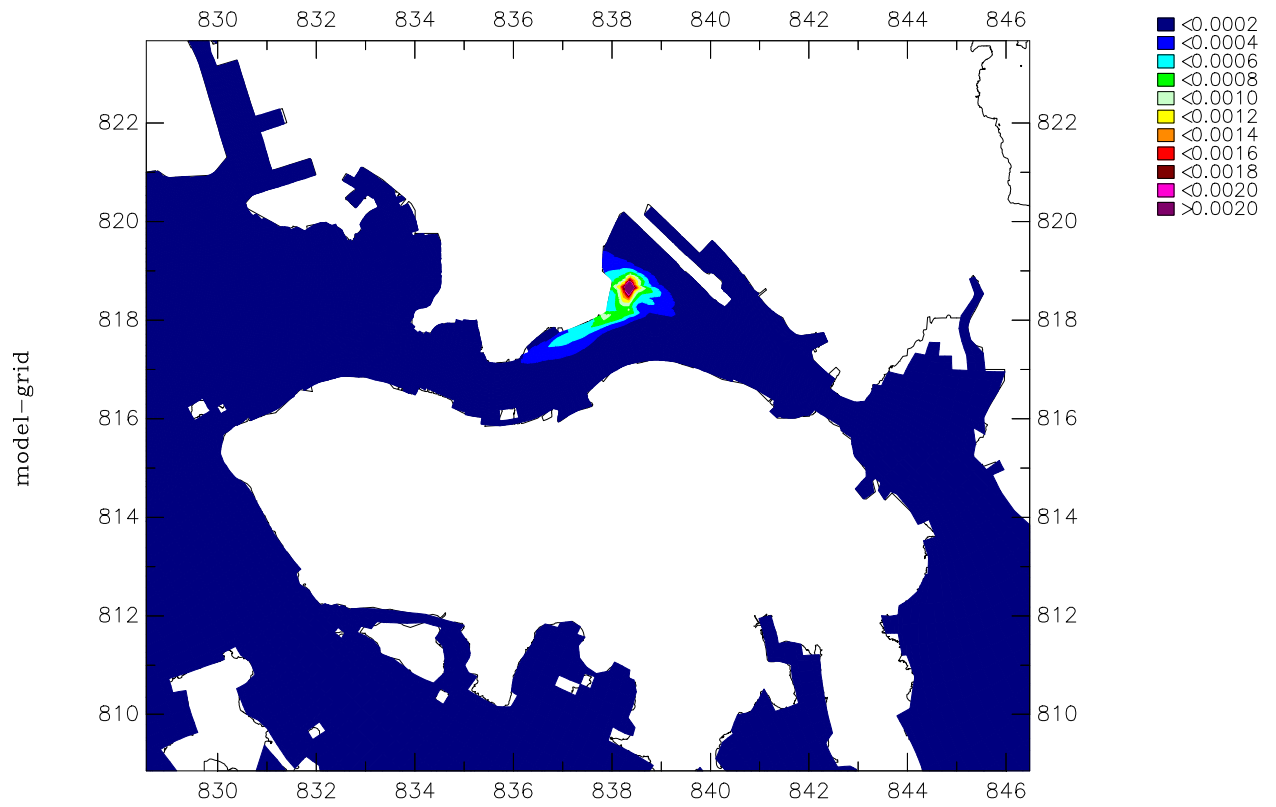
SS Elevations (mg/L) at Stations WSD6, WSD7, WSD10, WSD11
from Source B

1st Plot: WSD6; 2nd Plot: WSD7; 3rd Plot: WSD10; 4th Plot: WSD11

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd

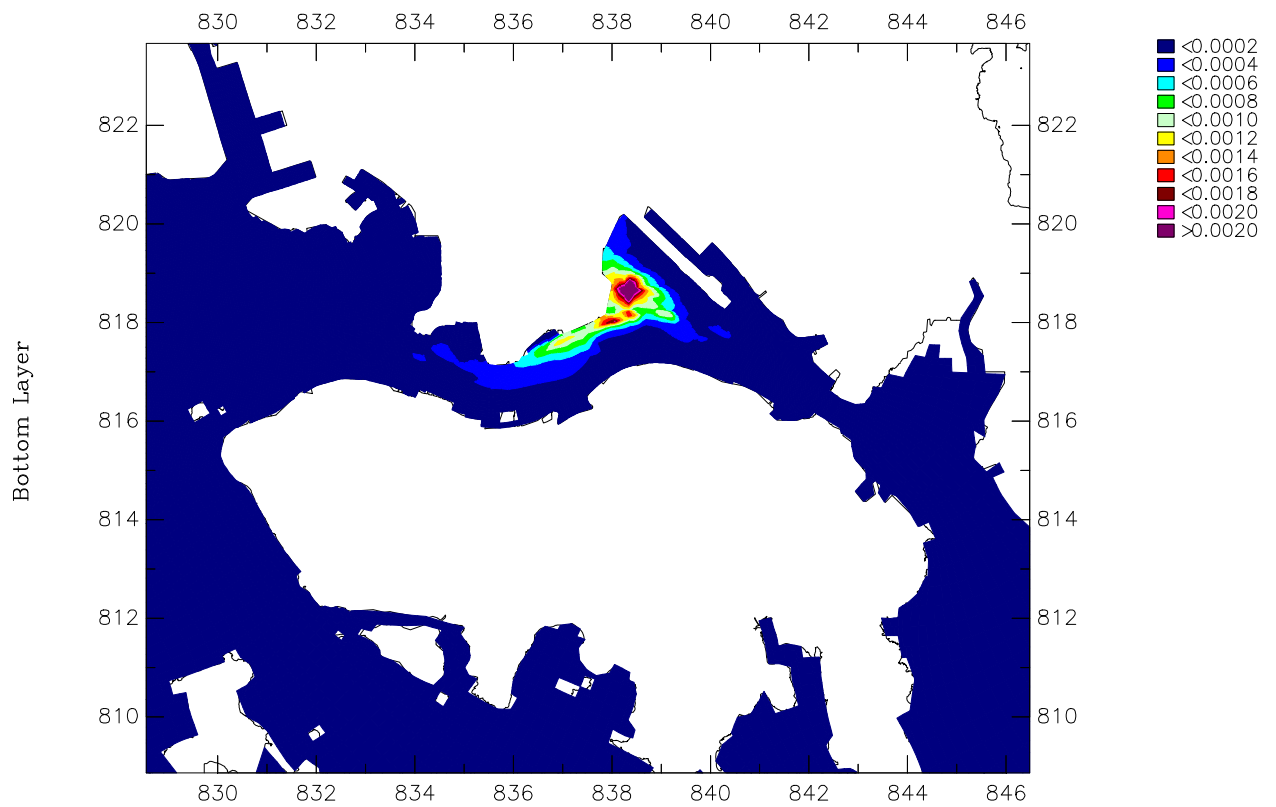
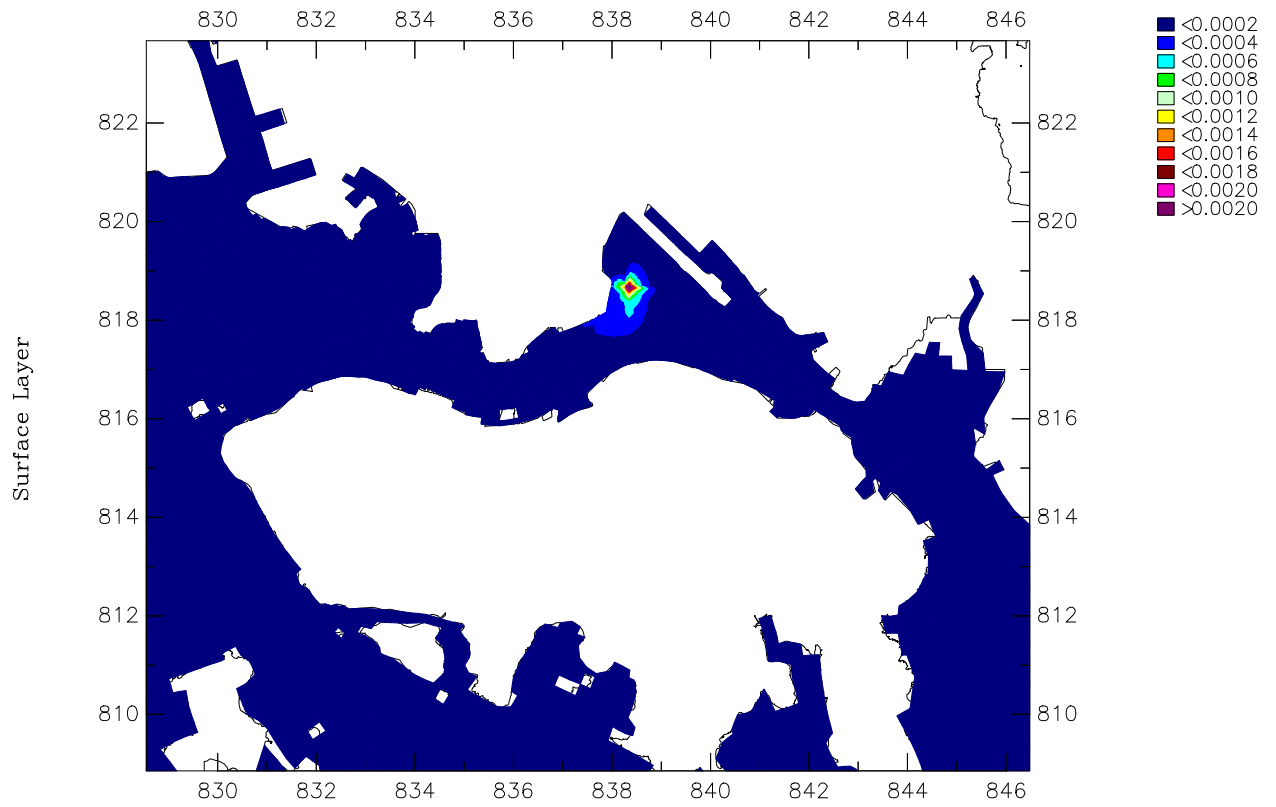


Maximum Depth-averaged Total Inorganic Nitrogen (TIN) (mg/L)
 Upper Plot: Source A
 Lower Plot: Source B

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd

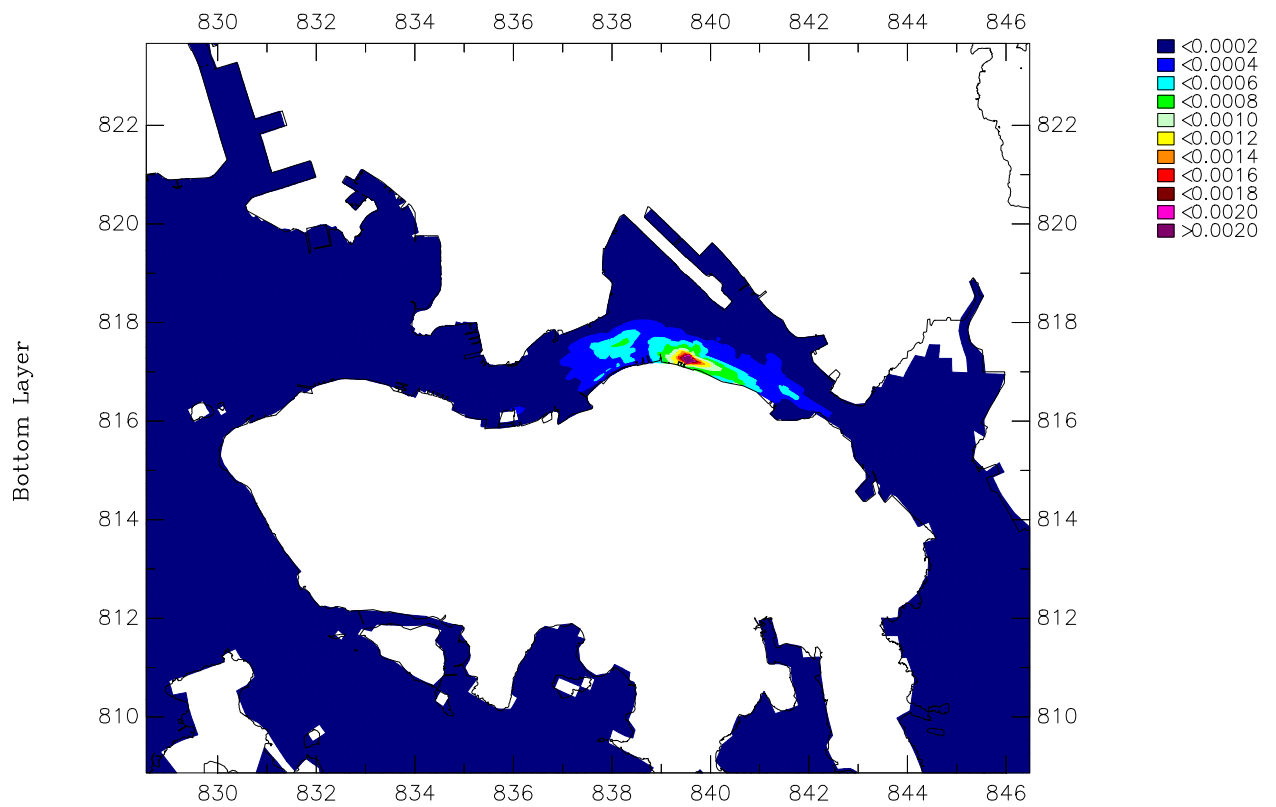
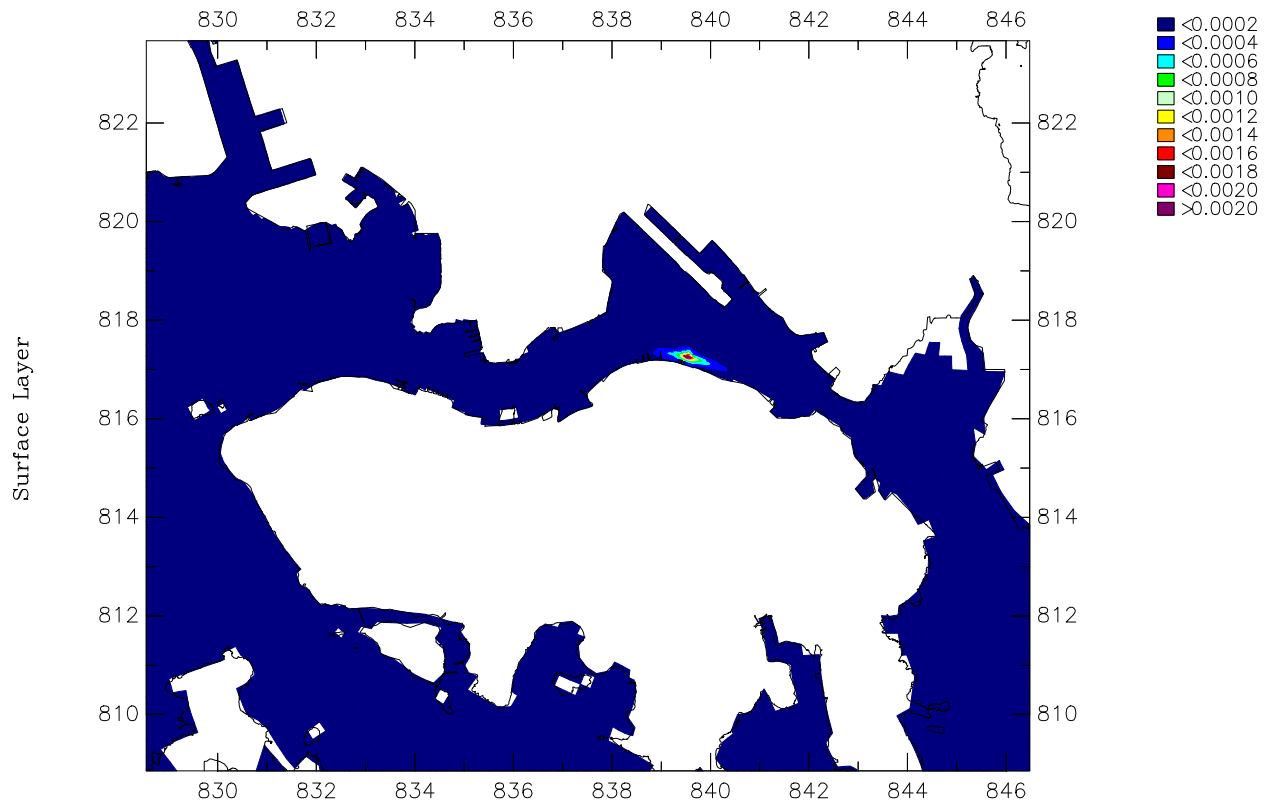


Maximum Total Inorganic Nitrogen (TIN) (mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd

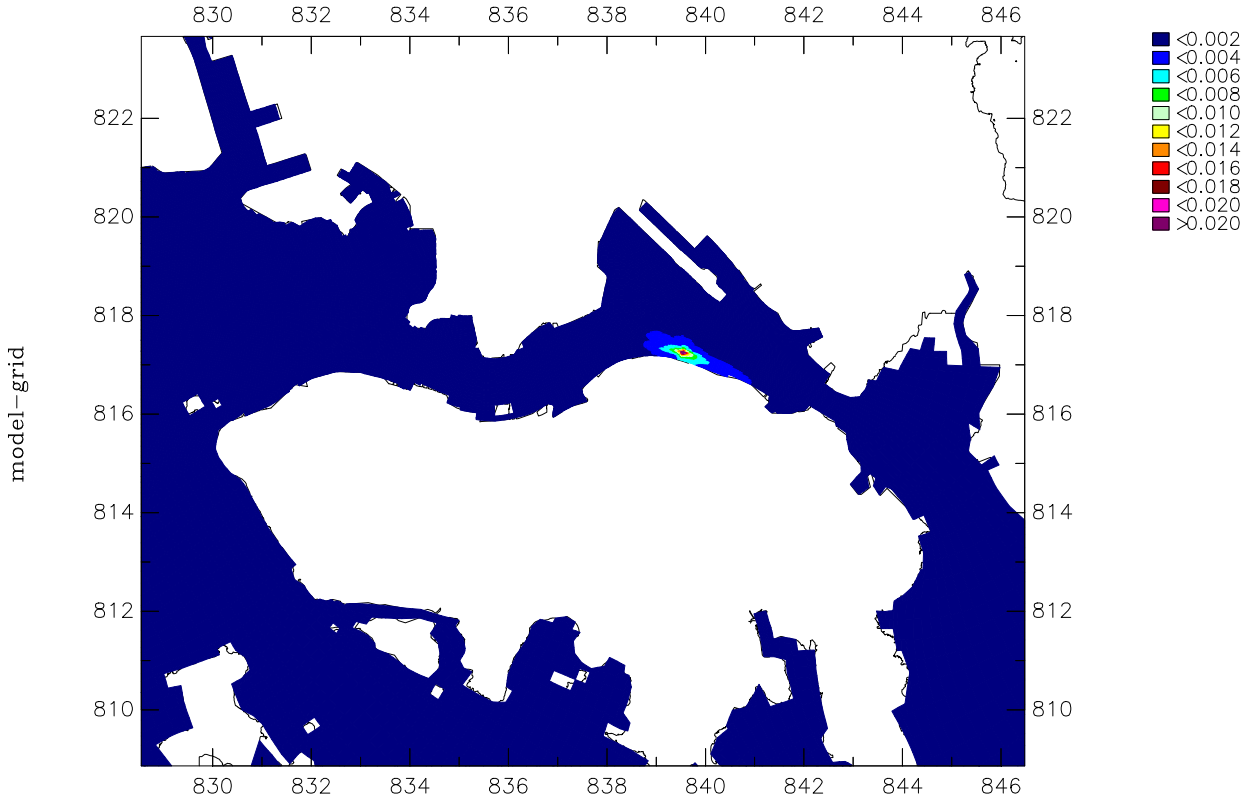
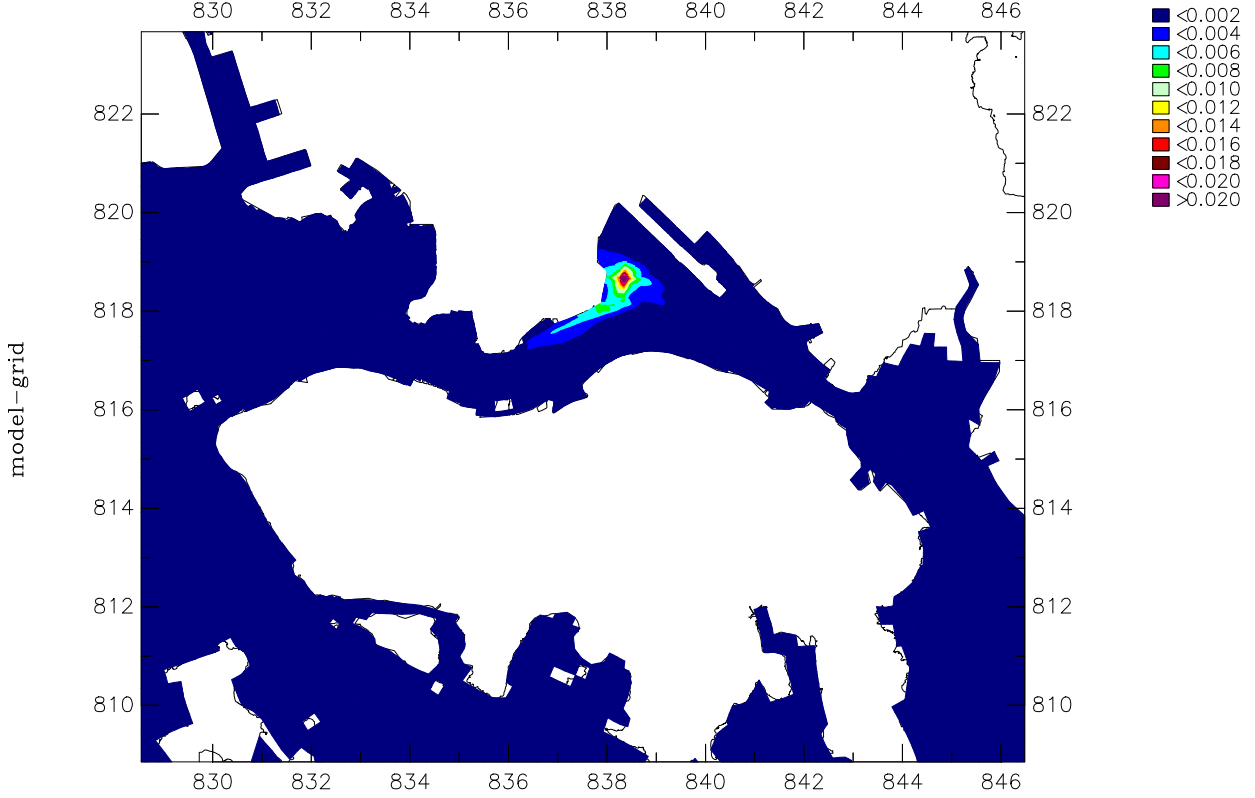


Maximum Total Inorganic Nitrogen (TIN) (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Wet Season

Scenario 1

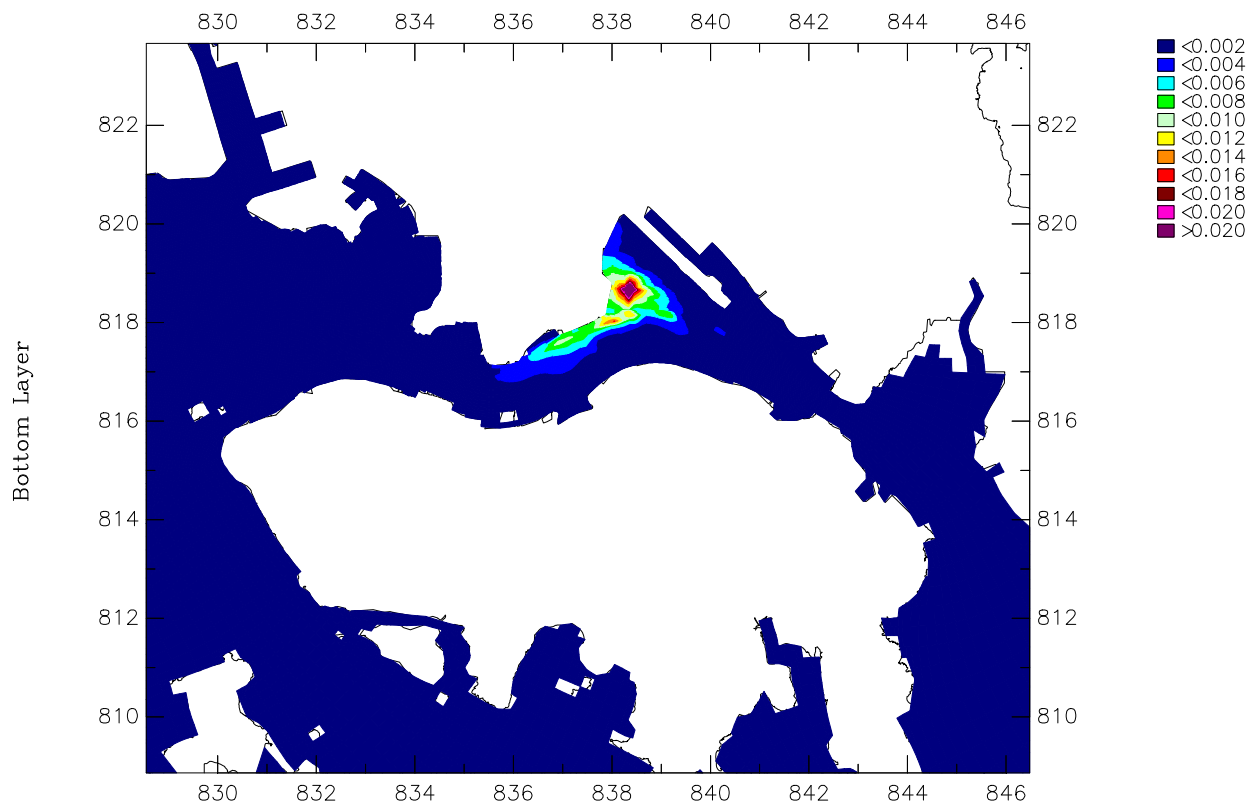
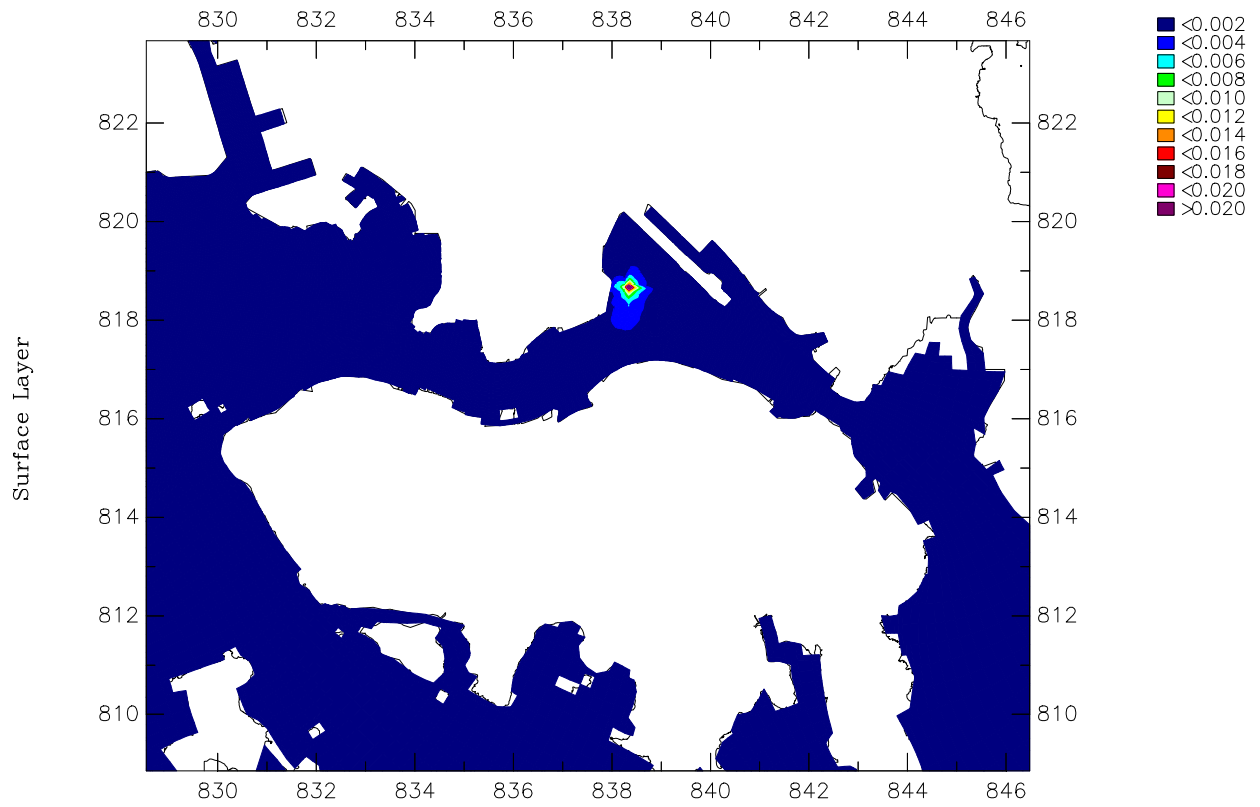
Mott MacDonald Hong Kong Ltd



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

Wet Season Scenario 1

Mott MacDonald Hong Kong Ltd

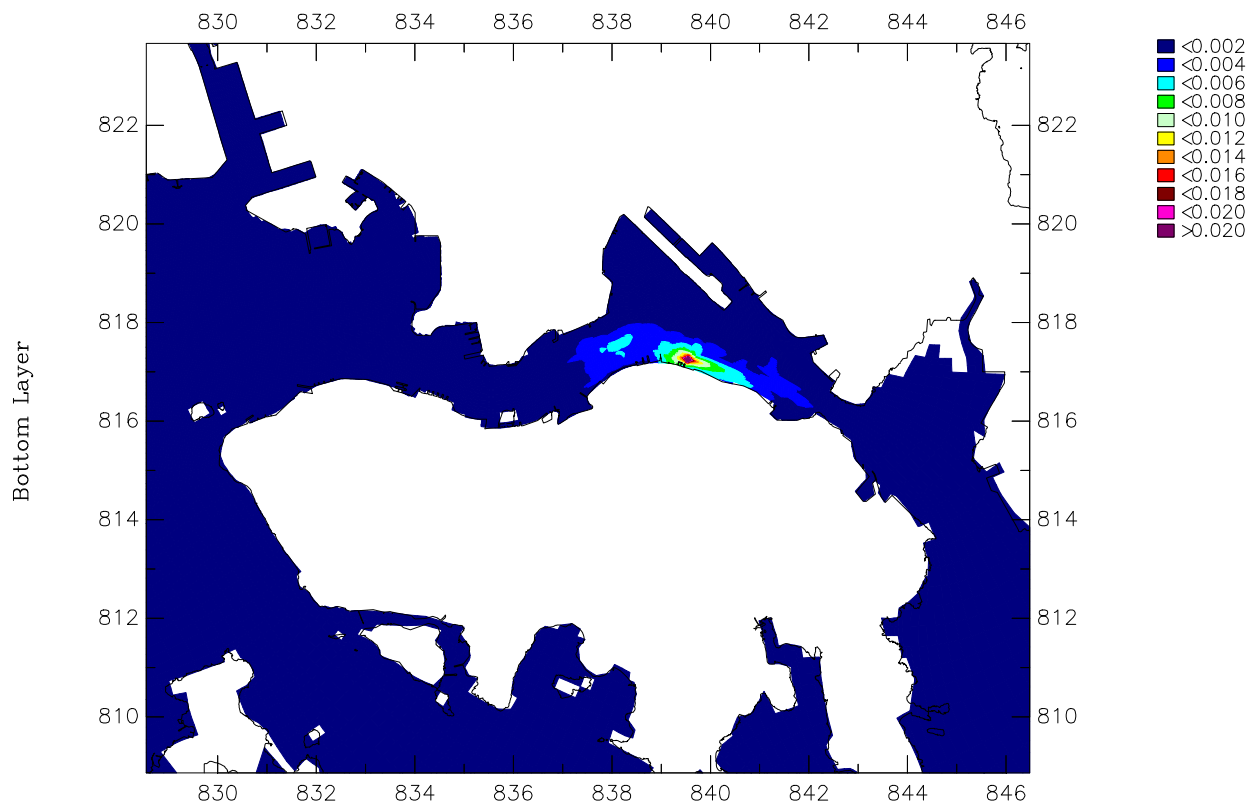
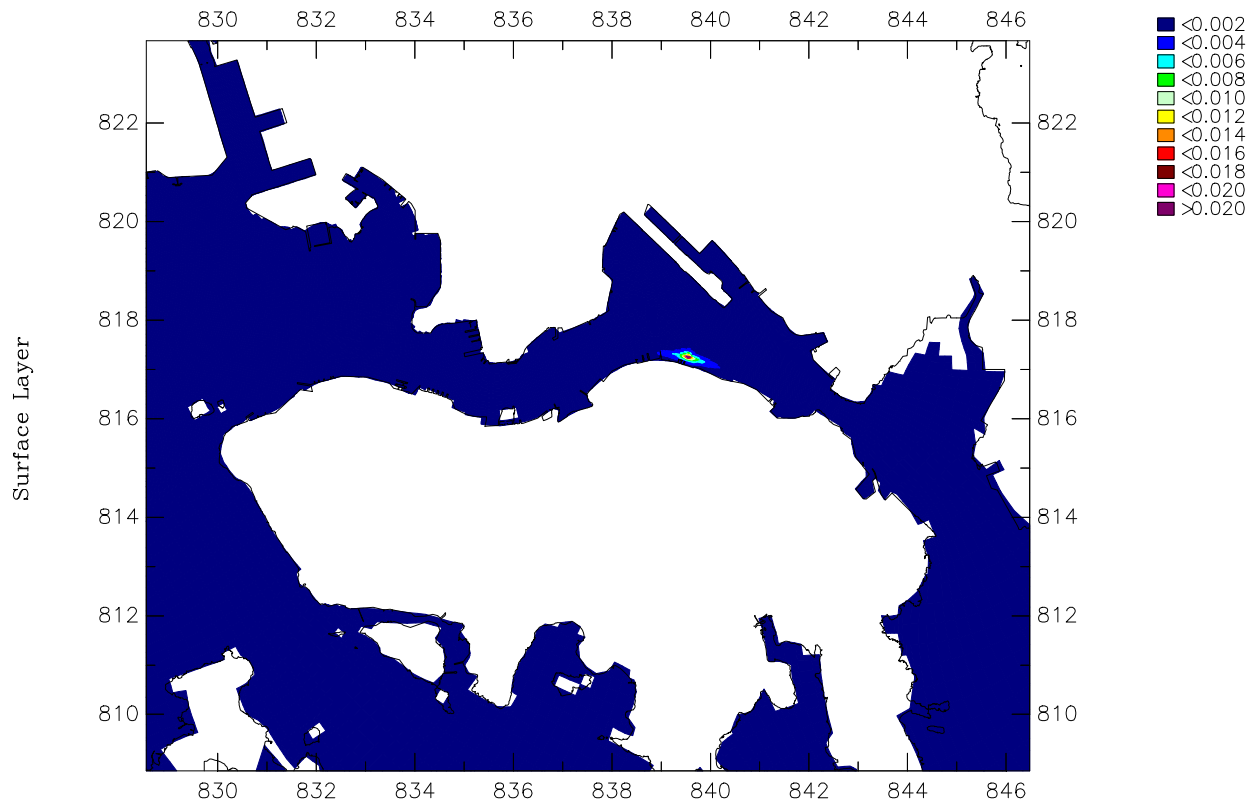


Maximum Unionized Ammonia (NH₃)(mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd

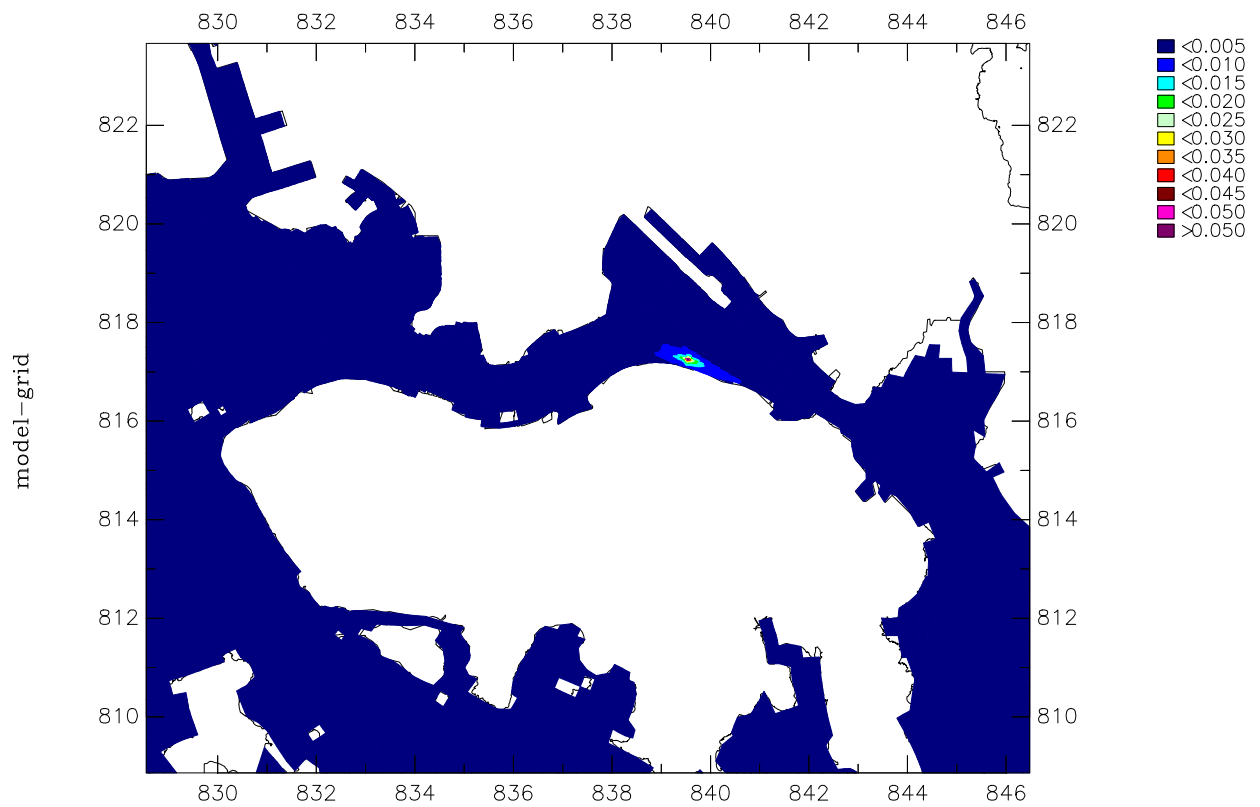
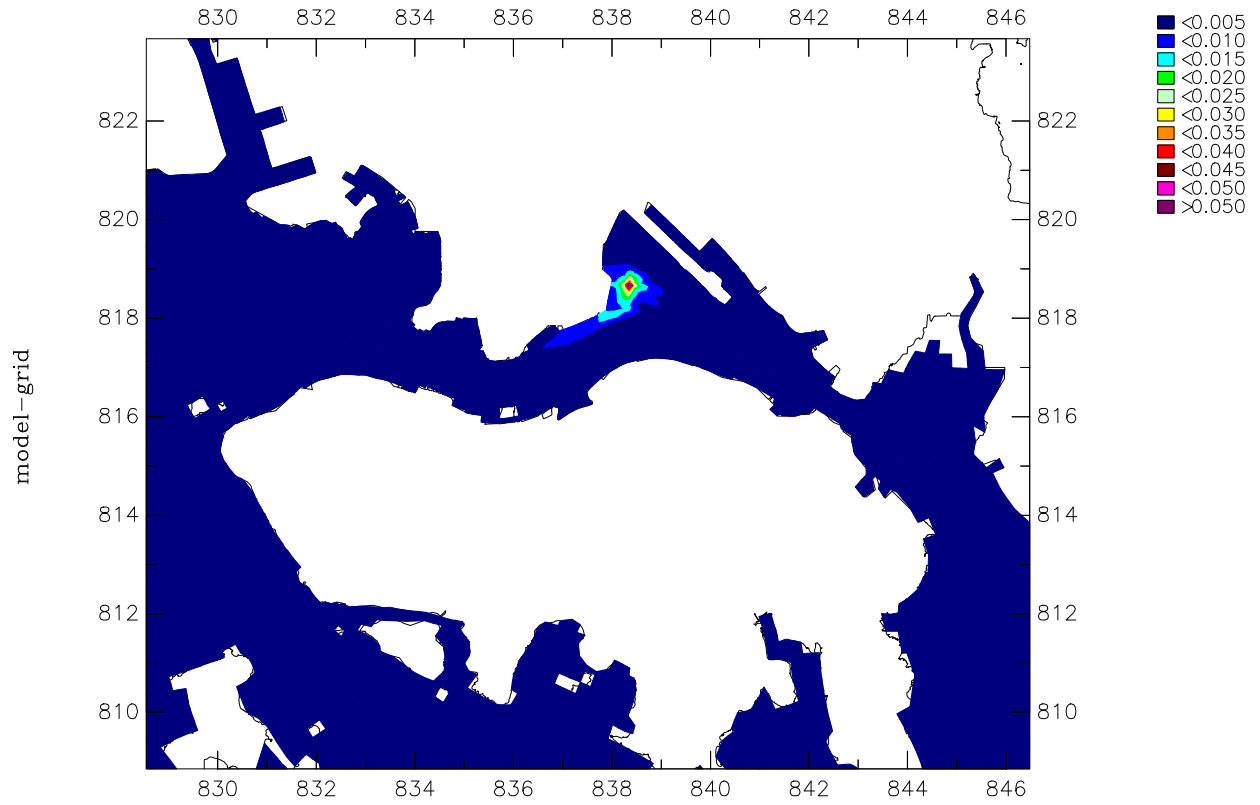


Maximum Unionized Ammonia (NH₃) (mg/L) from Source B
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Wet Season

Scenario 1

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

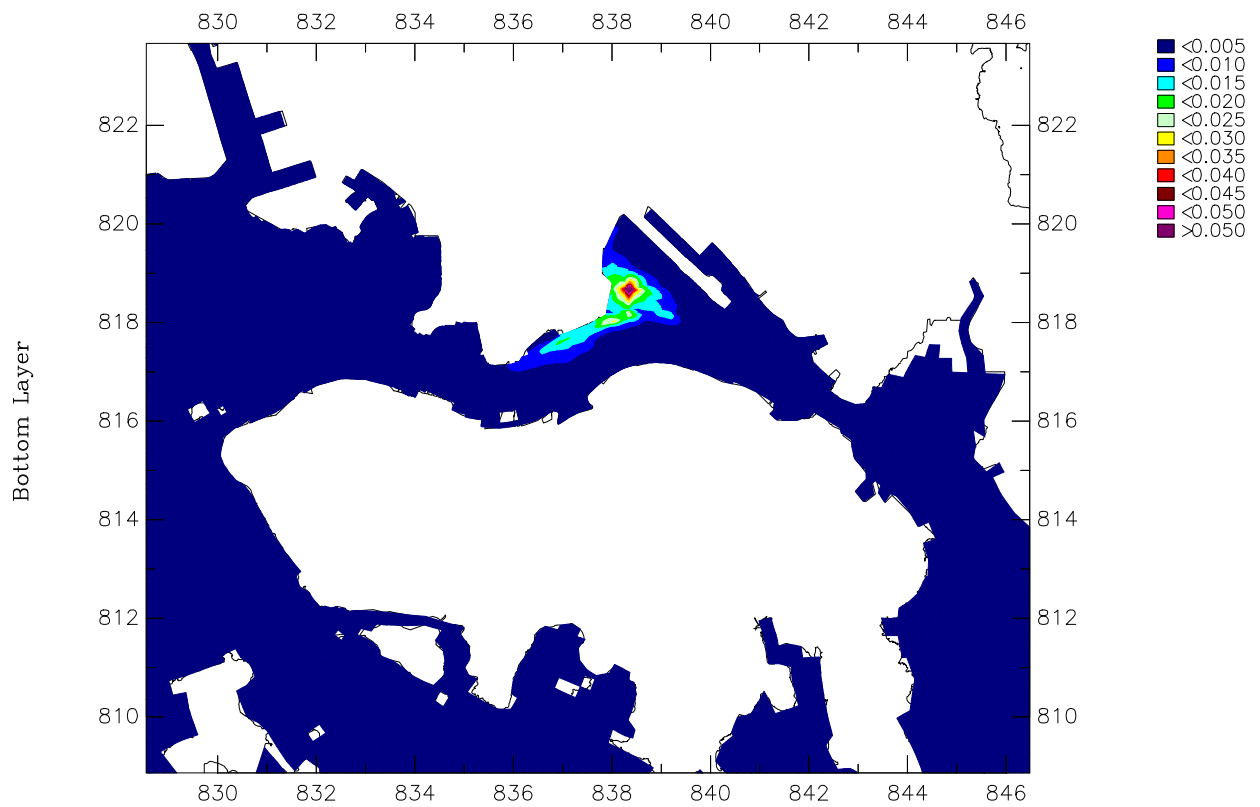
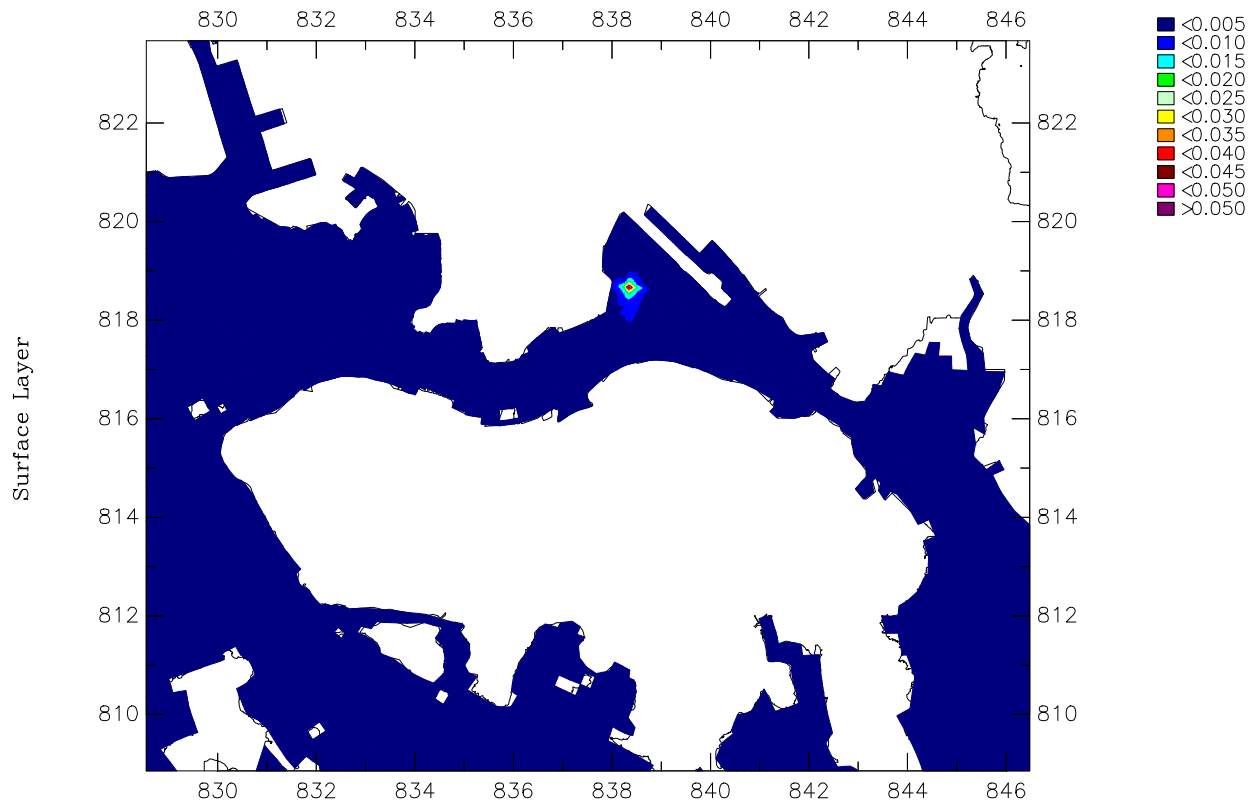
Wet Season

Scenario 1

Upper Plot: Source A

Lower Plot: Source B

Mott MacDonald Hong Kong Ltd

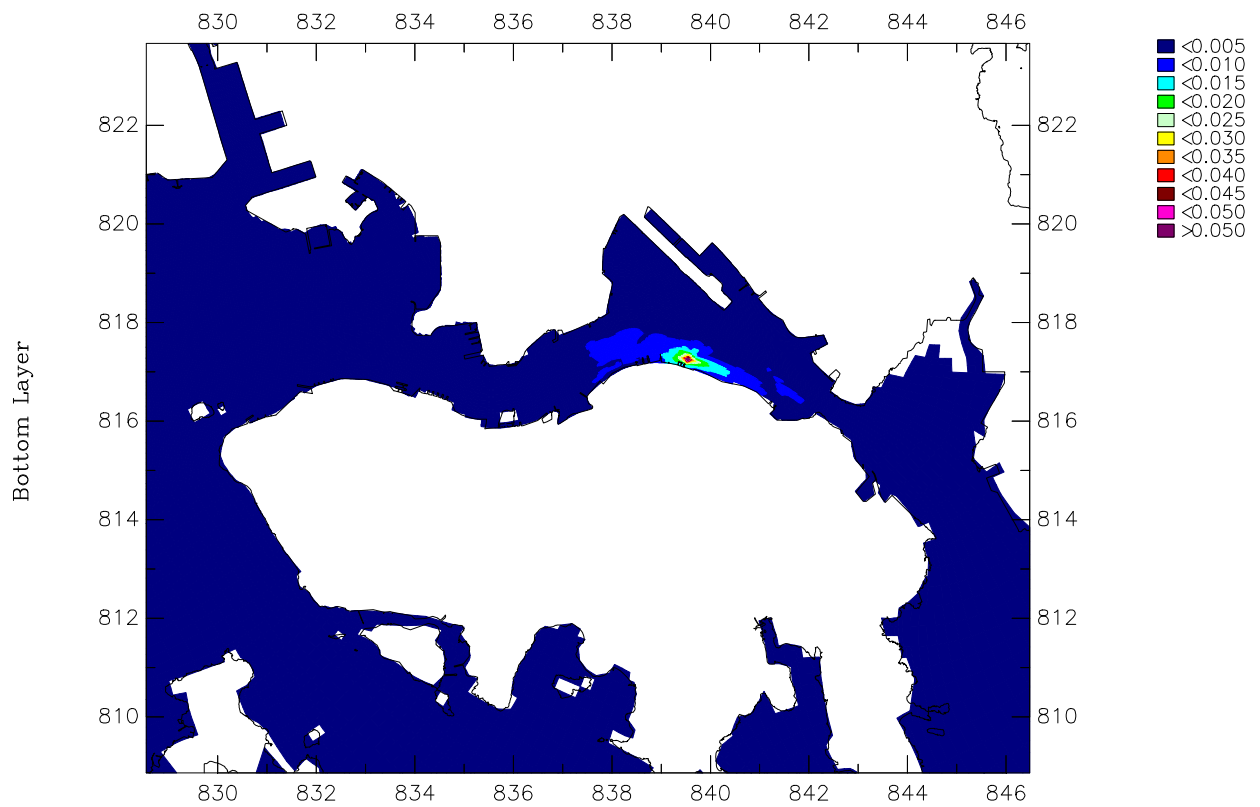
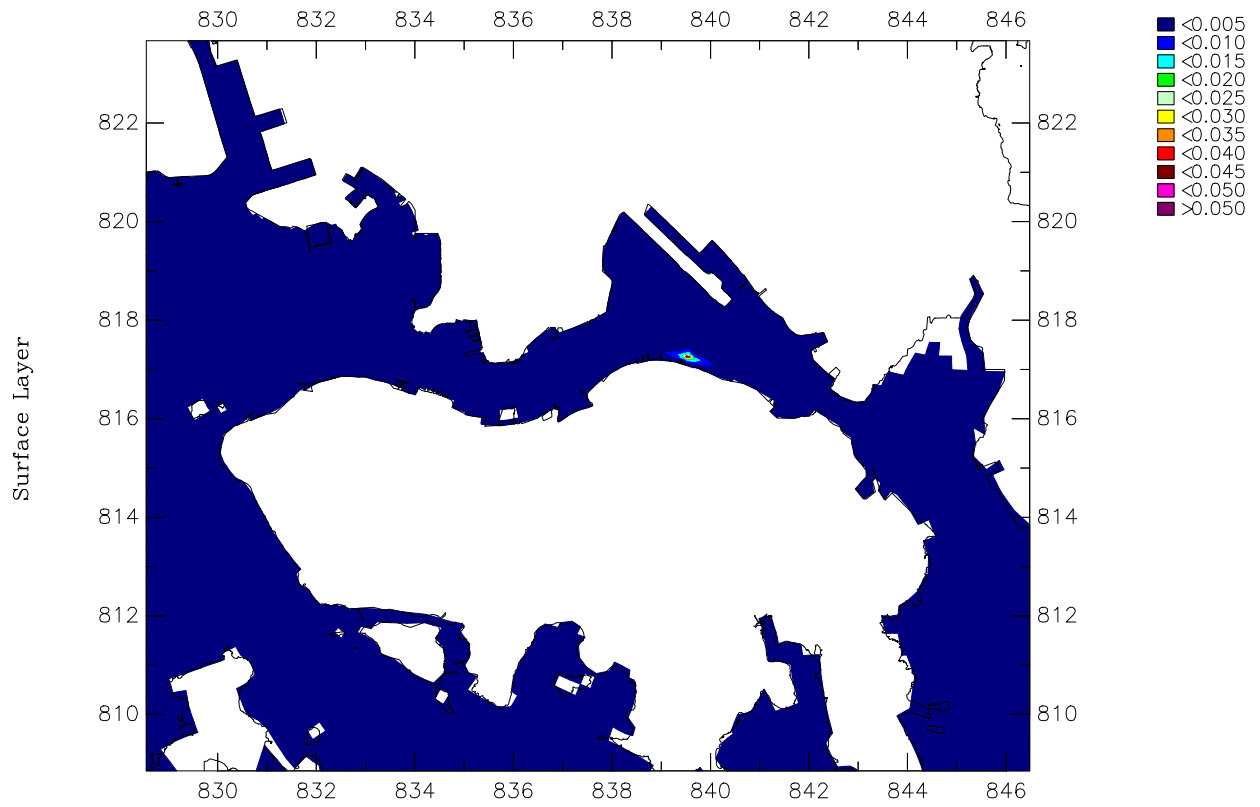


Maximum Dissolved Oxygen Decrease (mg/L) from Source A
 Upper Plot: Top Layer
 Lower Plot: Bottom Layer

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd



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

Wet Season

Scenario 1

Mott MacDonald Hong Kong Ltd