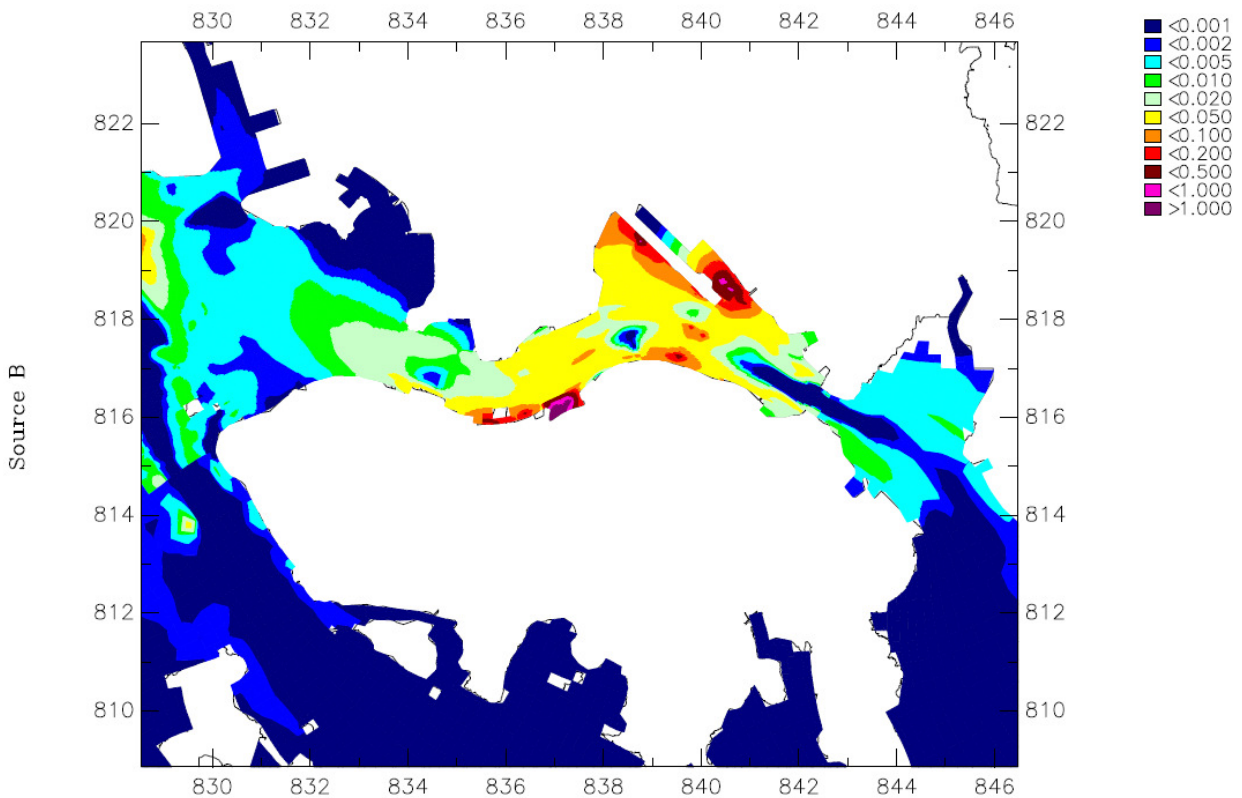
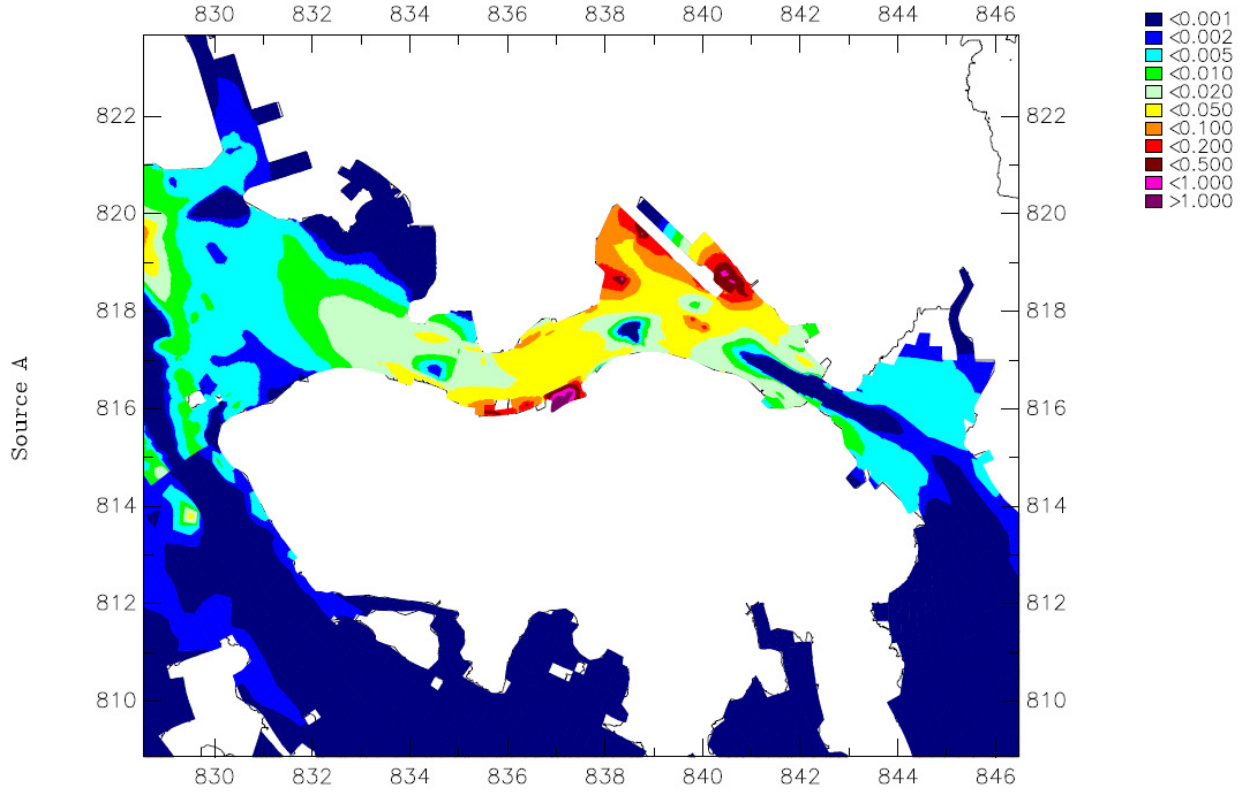


Installation of Submarine Gas Pipelines
and Associated Facilities from
To Kwa Wan to North Point for Former Kai Tak Airport Development
Consultancy Services for Feasibility Study and Detailed Design
Environmental Impact Assessment Report



Appendix B5
Sediment Plume Model Results – Scenario 2 Wet Season



Maximum Deposition Rate (kg/m²/day)

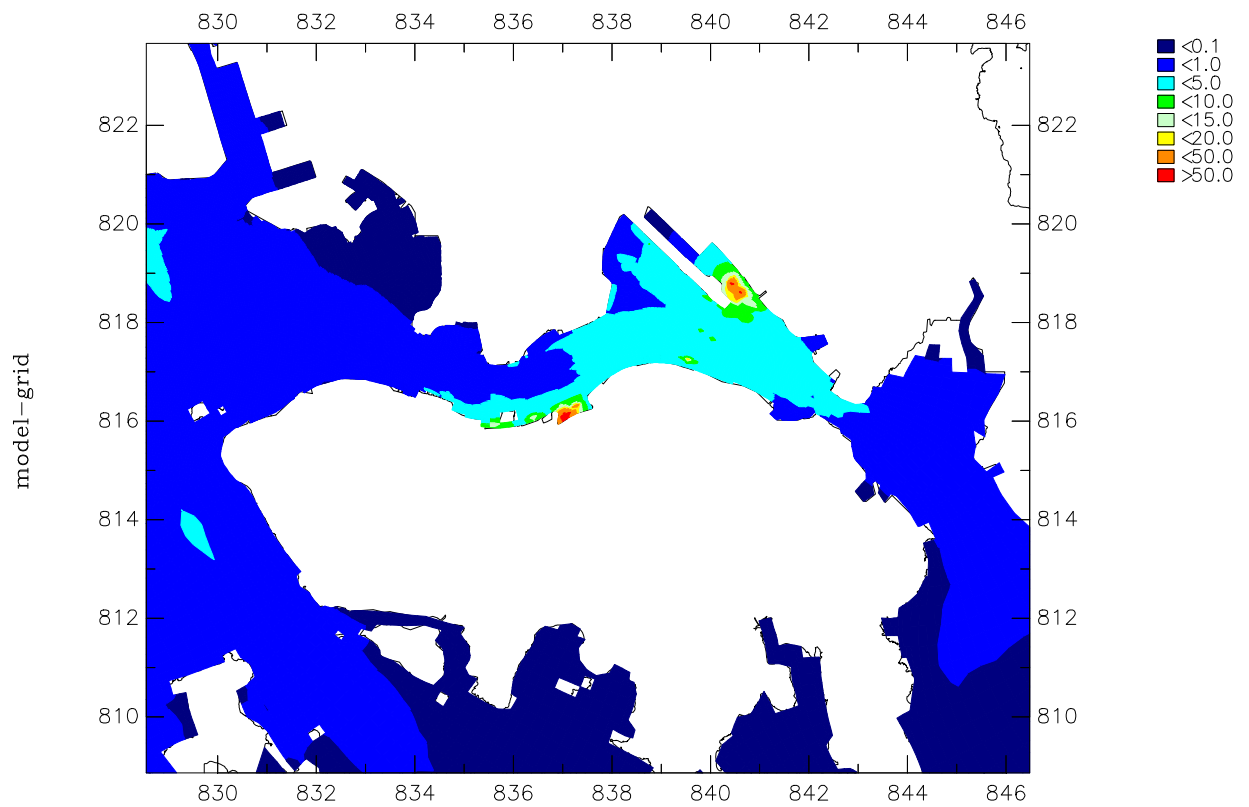
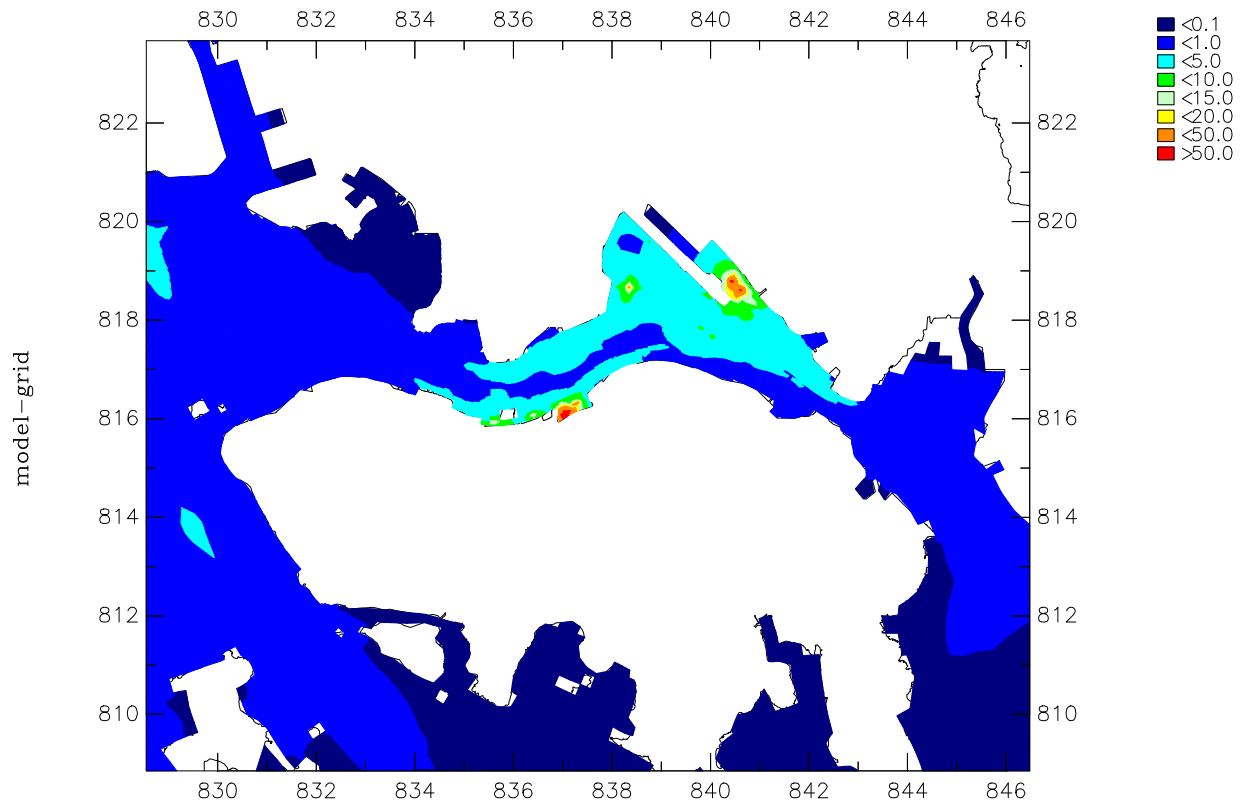
Upper Plot: Dredging Operations at Source A

Lower Plot: Dredging Operations at Source B

Wet Season

Scenario 2

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Maximum Depth-averaged SS Elevations (mg/L)

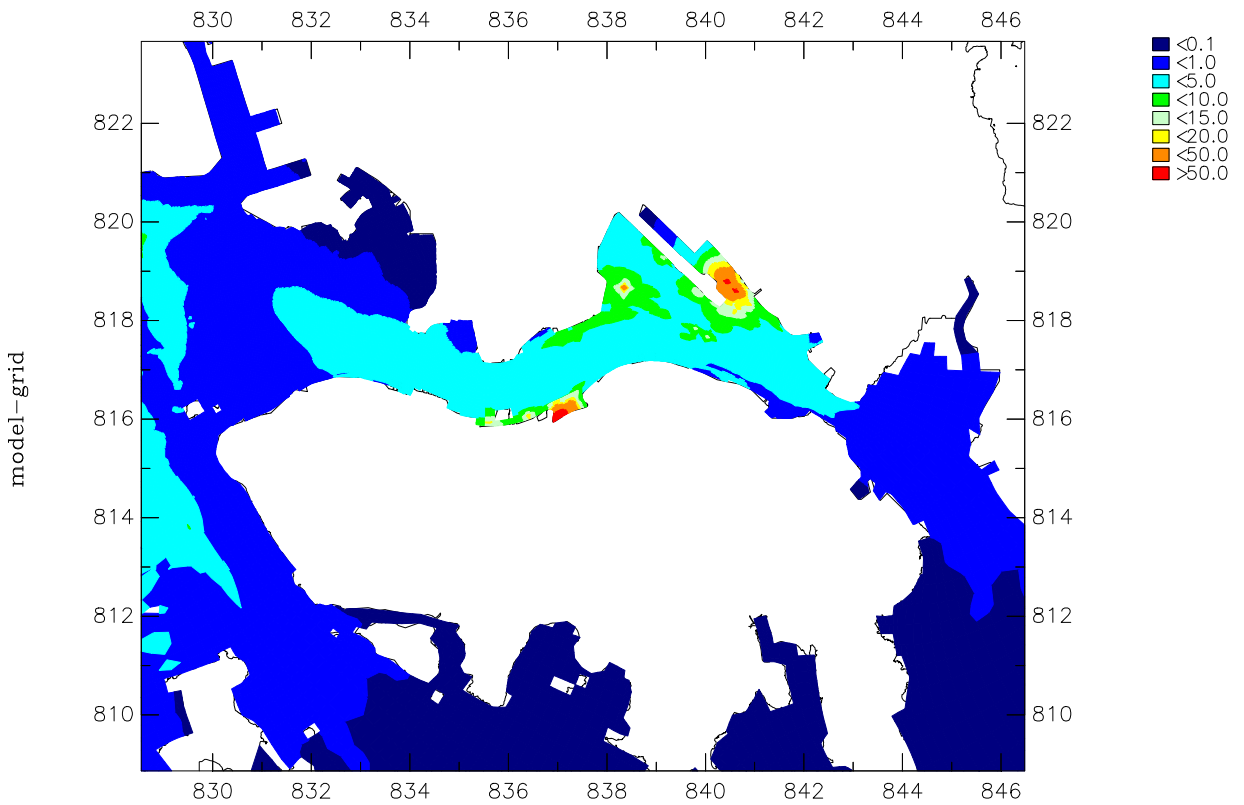
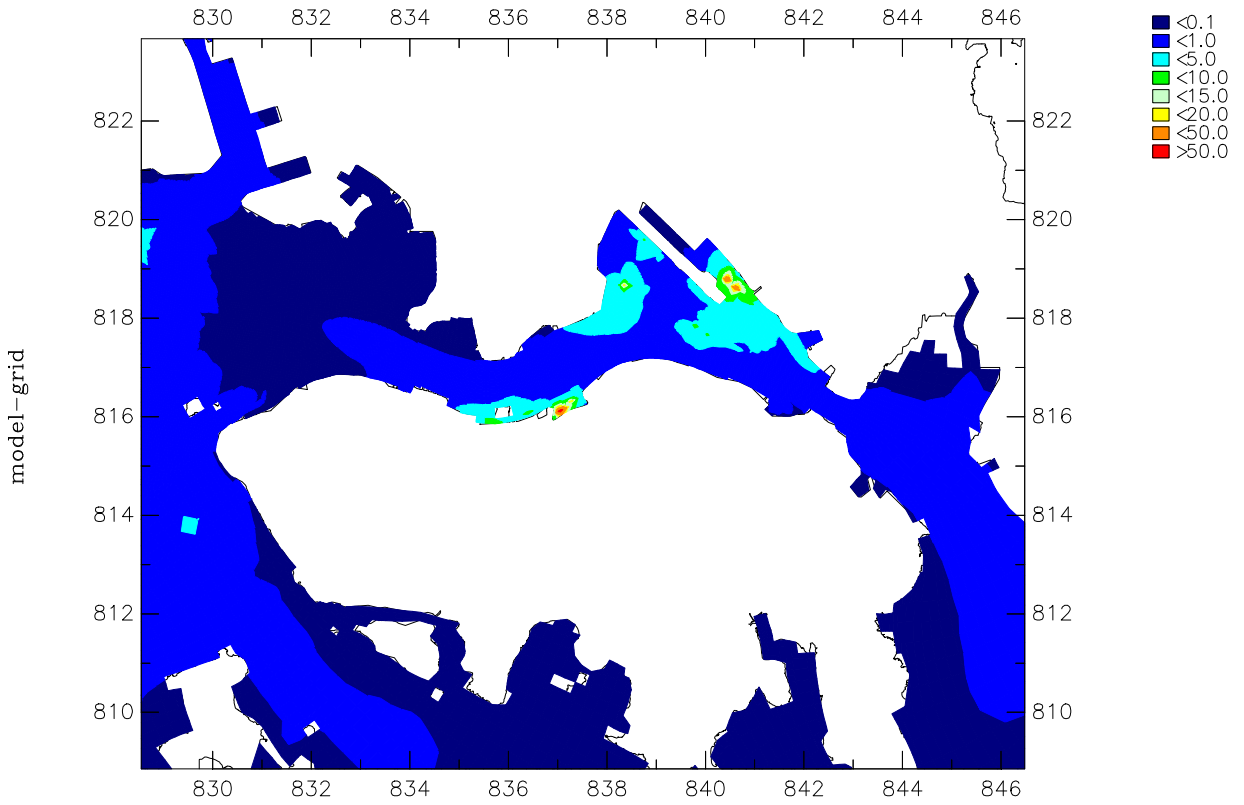
Upper Plot: Source A (Cumulative)

Lower Plot: Source B (Cumulative)

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

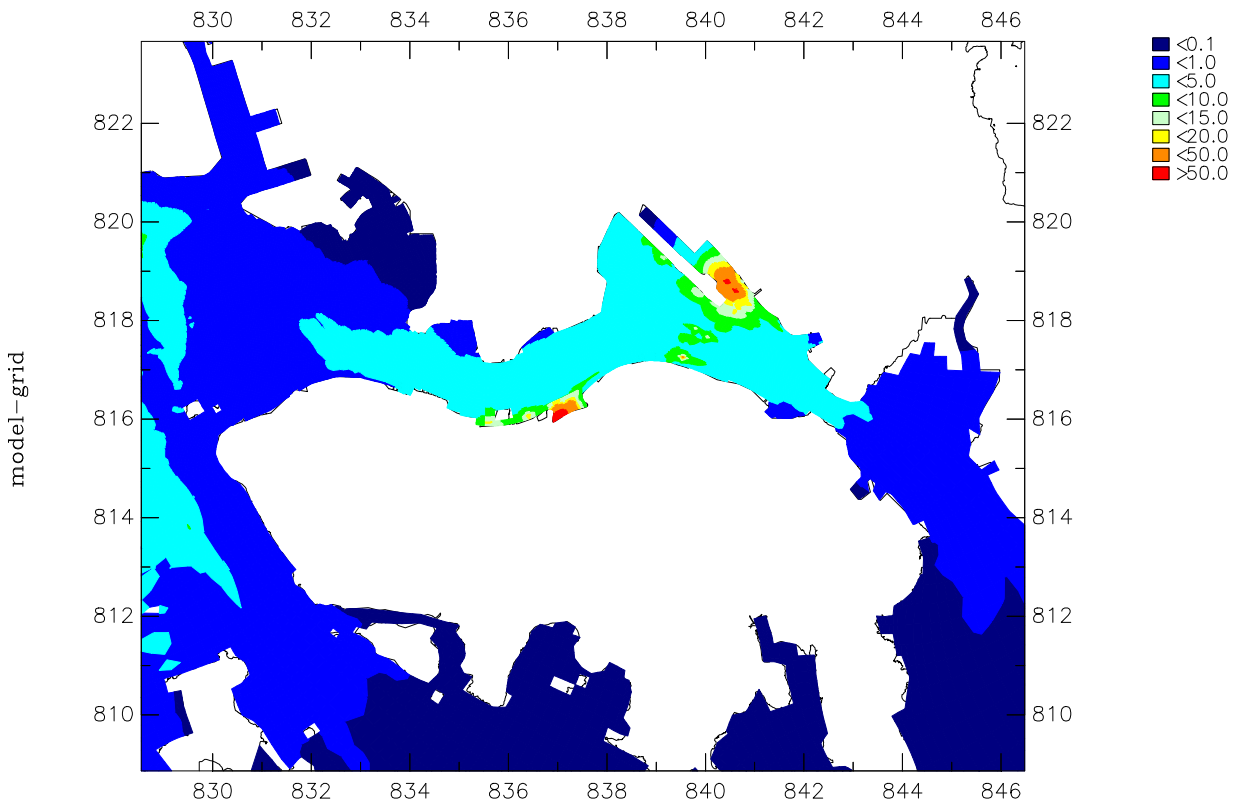
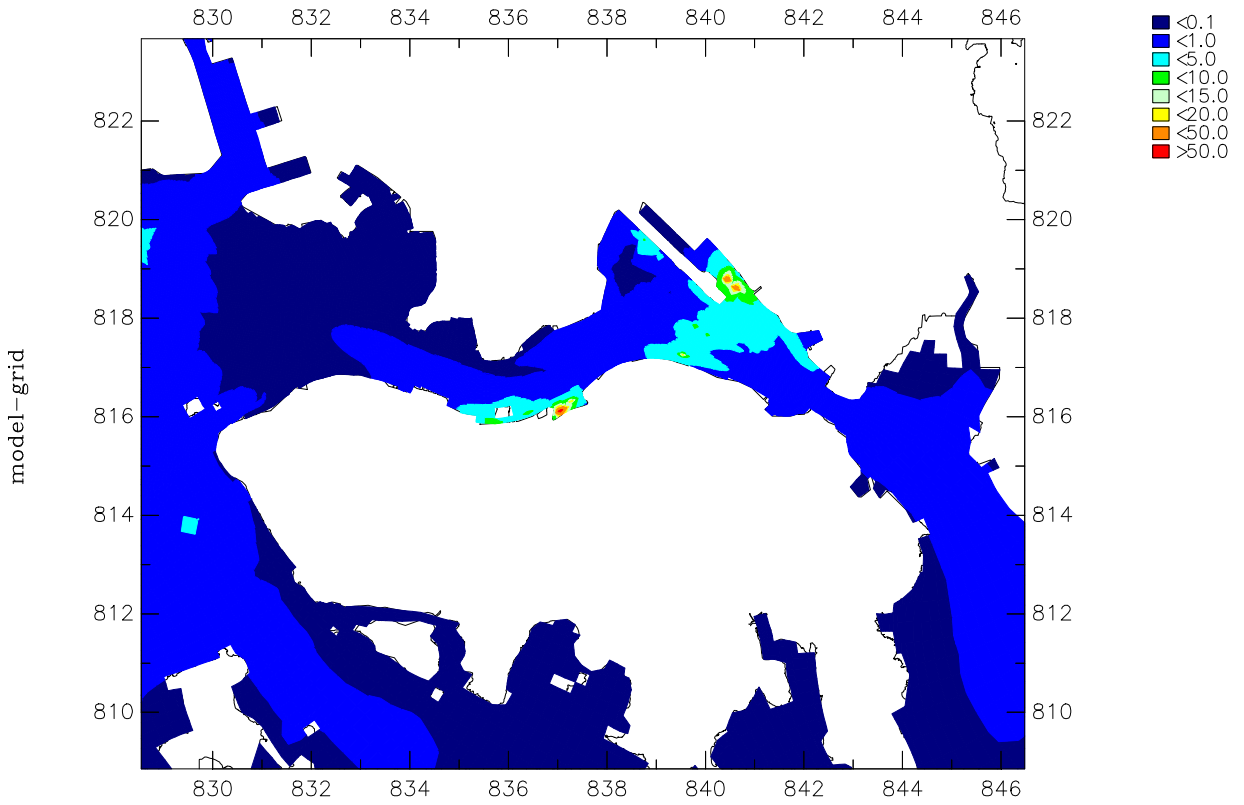


Maximum SS Elevations (mg/L) from Source A
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

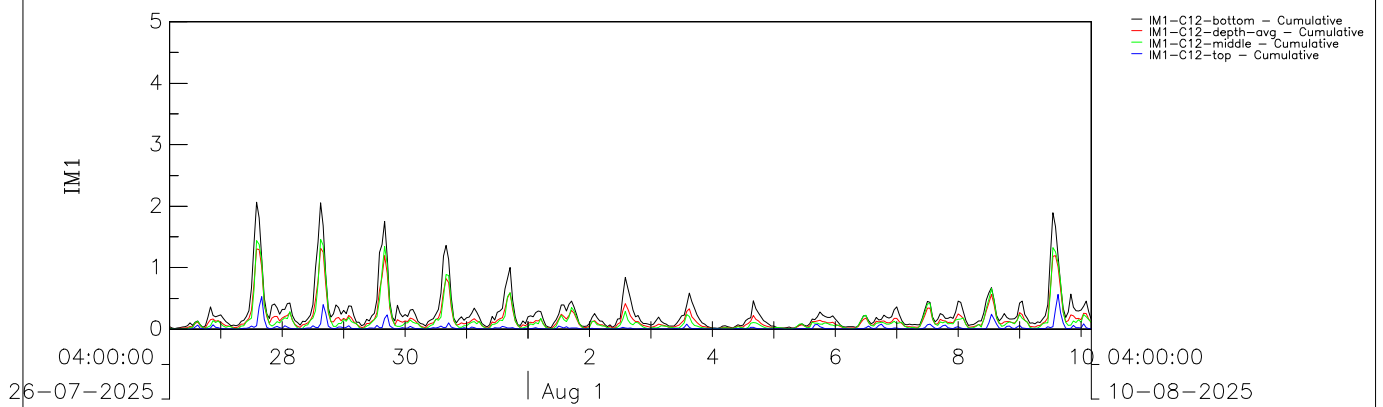
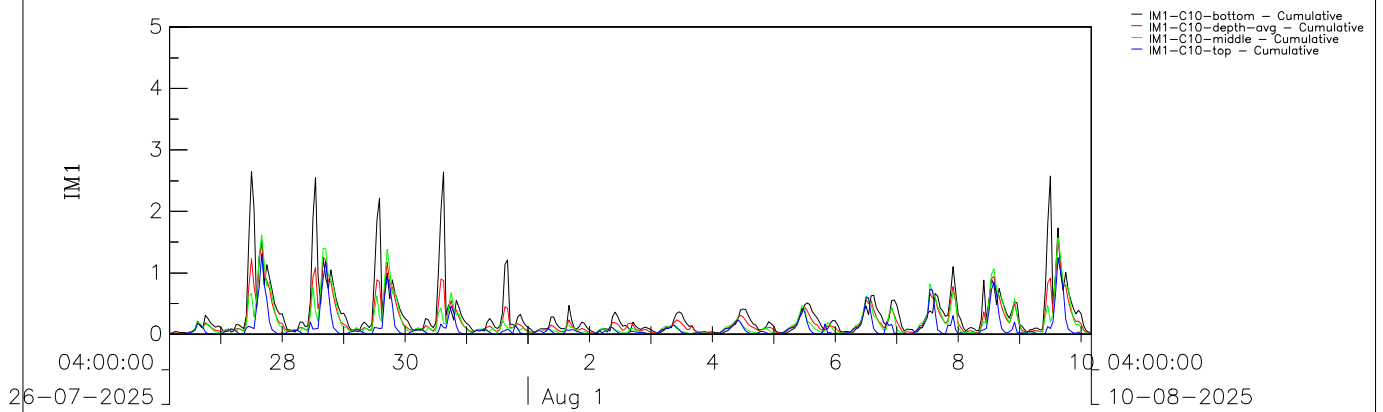
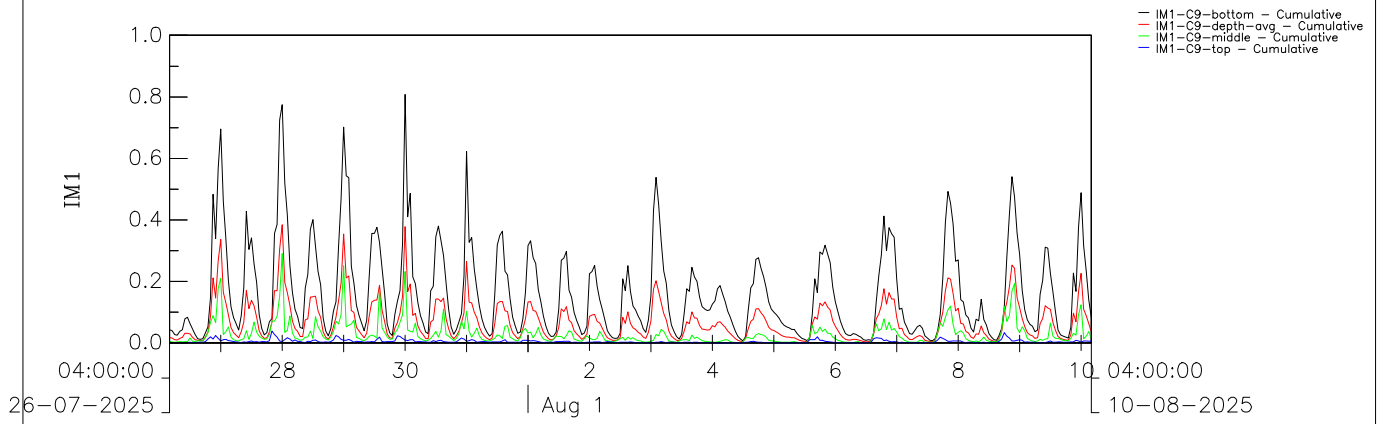
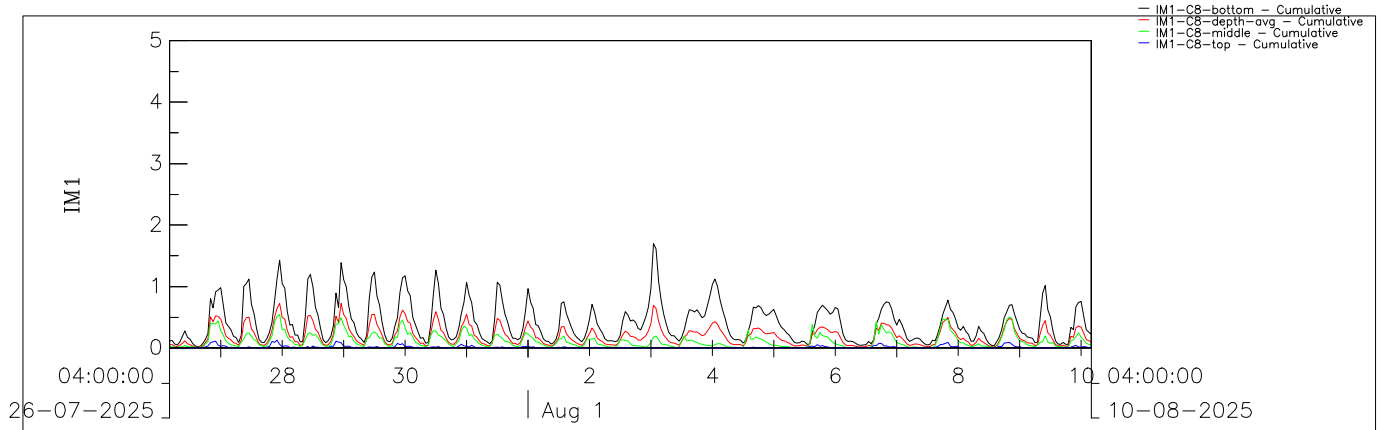


Maximum SS Elevations (mg/L) from Source B
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

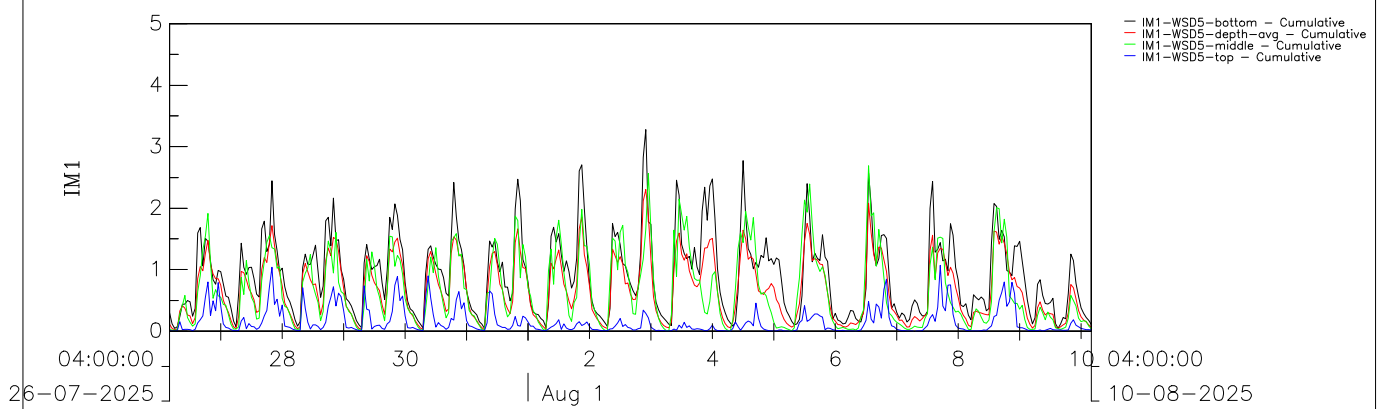
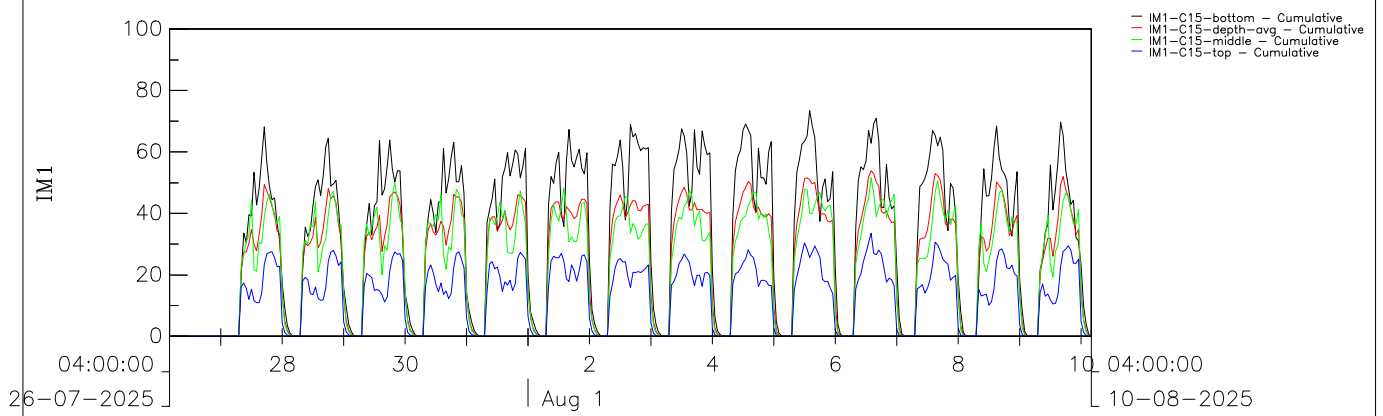
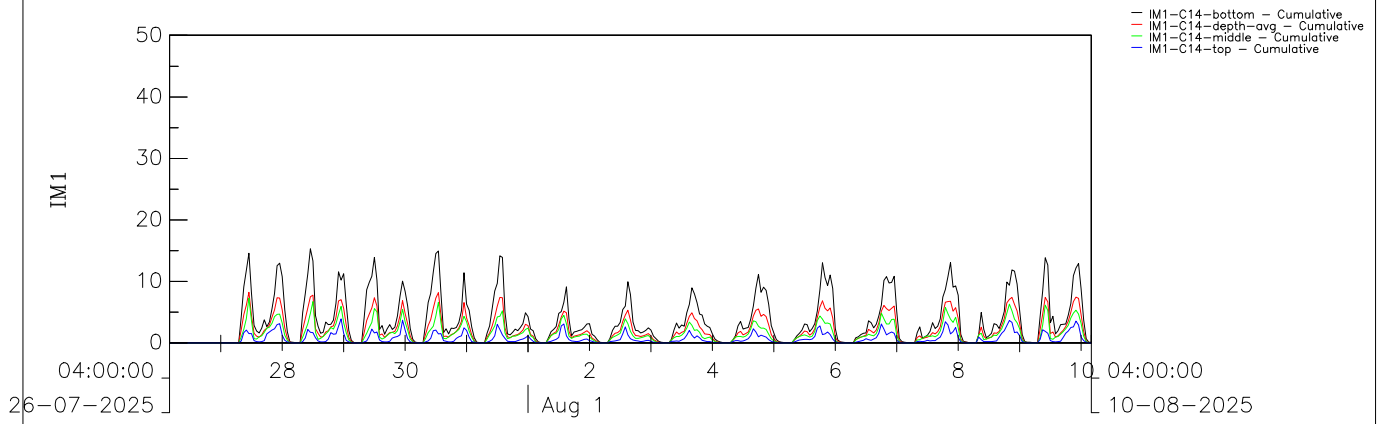
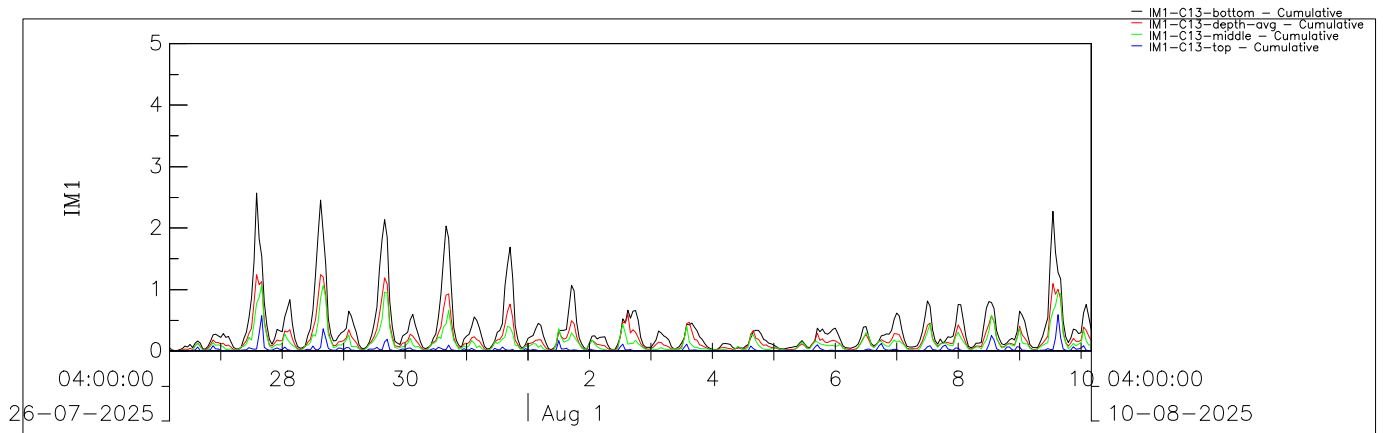


SS Elevations (mg/L) at Stations C8, C9, C10, C12
 from Source A (Cumulative)
 1st Plot: C8; 2nd Plot: C9; 3rd Plot: C10; 4th Plot: C12

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

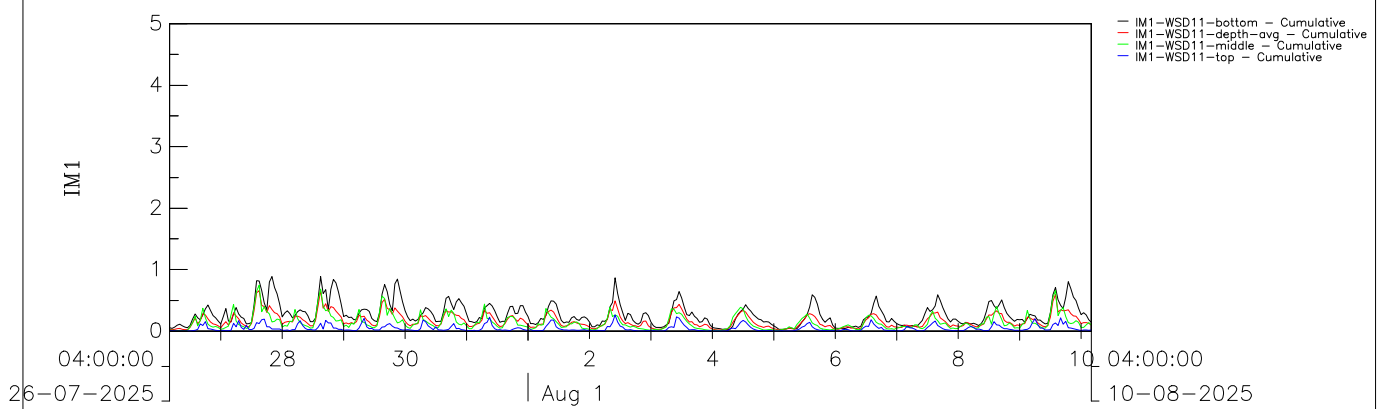
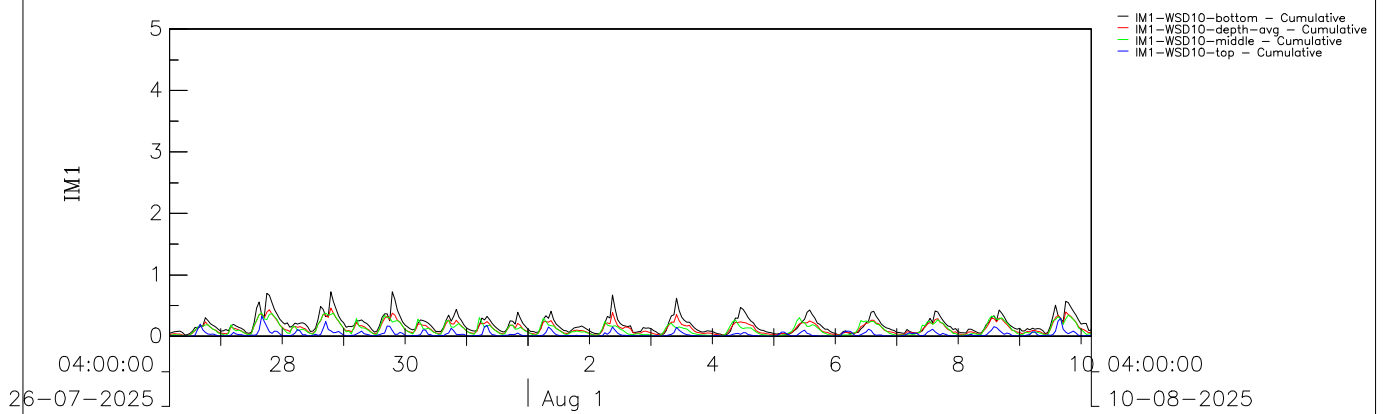
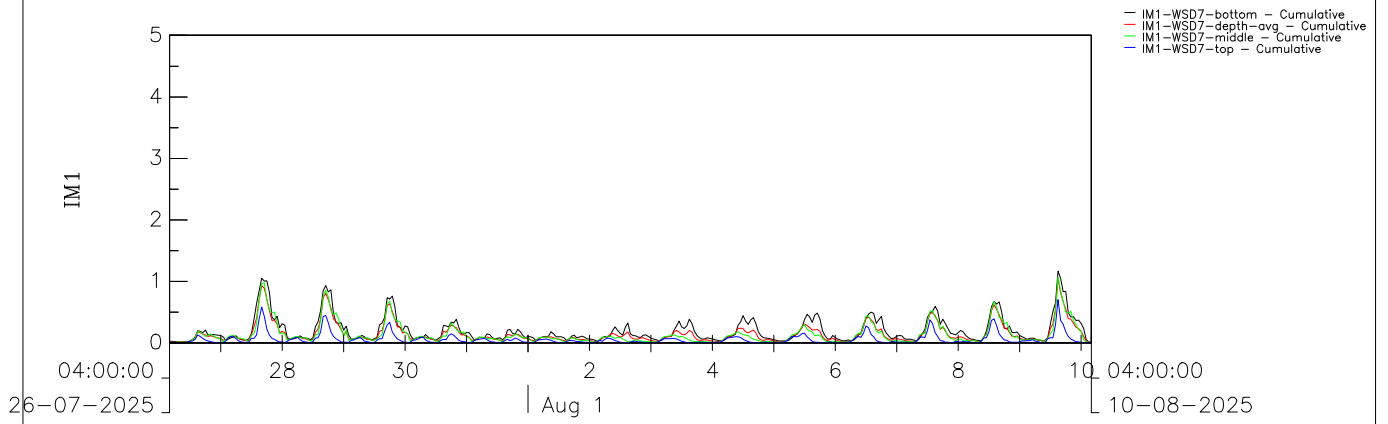
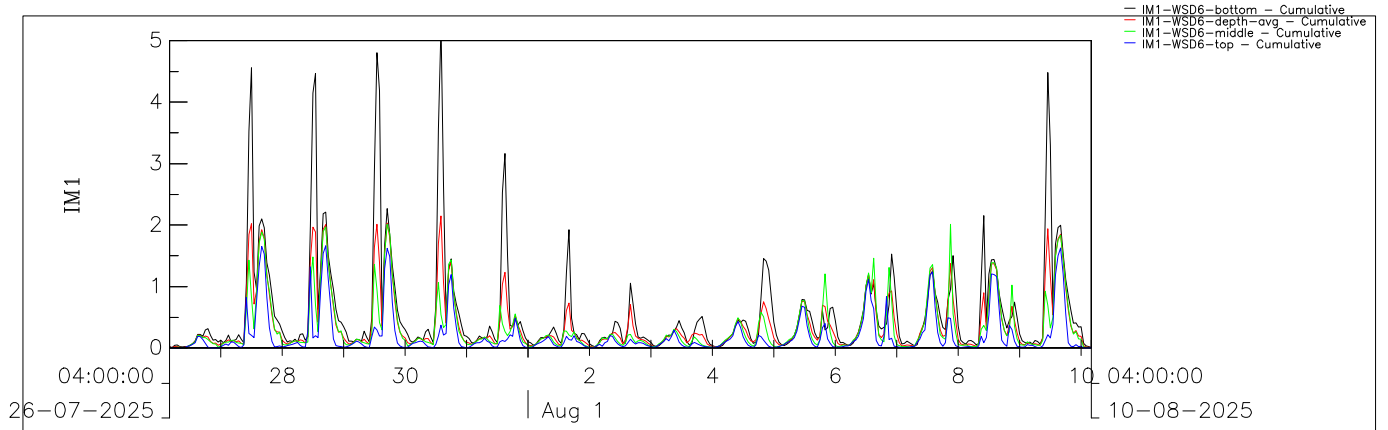


SS Elevations (mg/L) at Stations C13, C14, C15, WSD5
 from Source A (Cumulative)
 1st Plot: C13; 2nd Plot: C14; 3rd Plot: C15; 4th Plot: WSD5

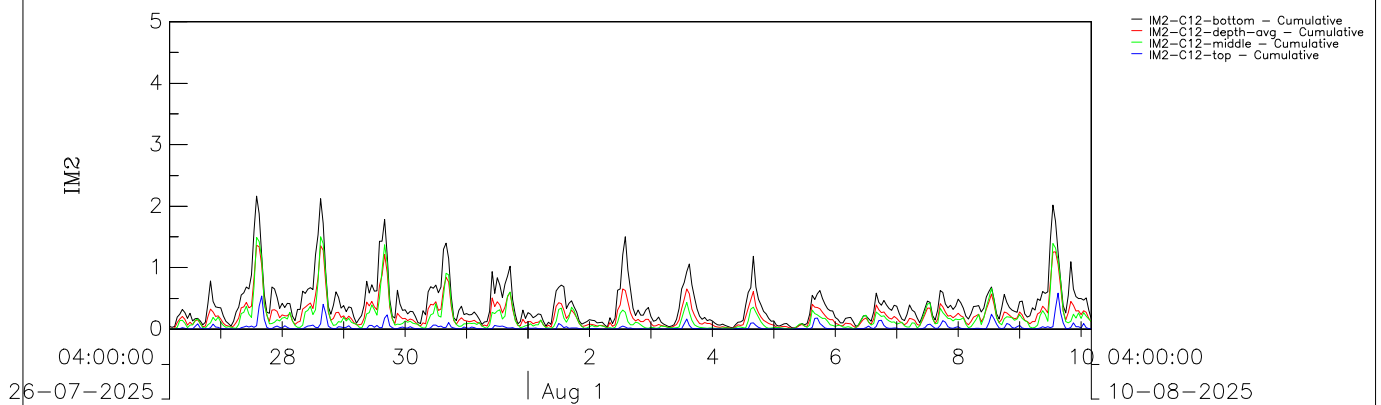
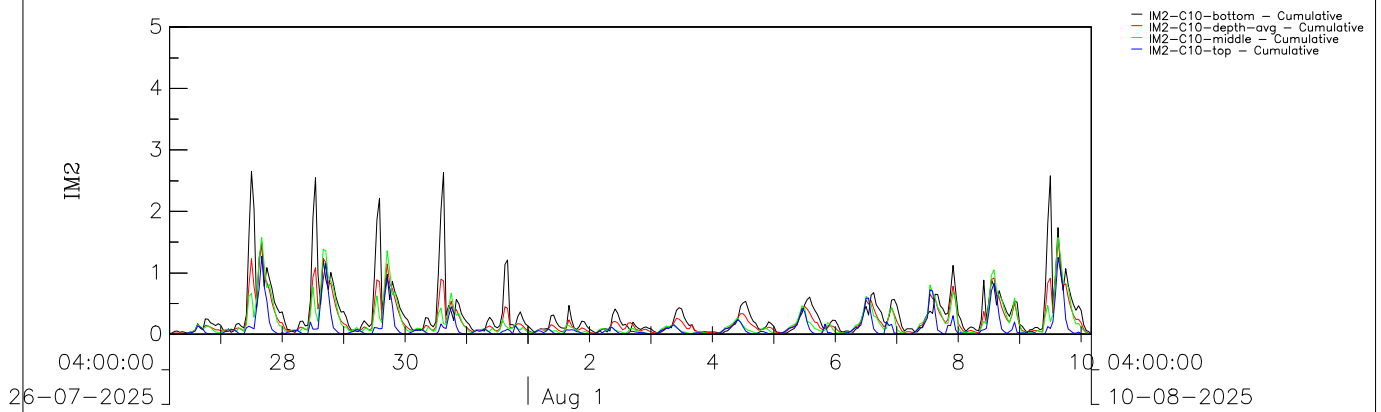
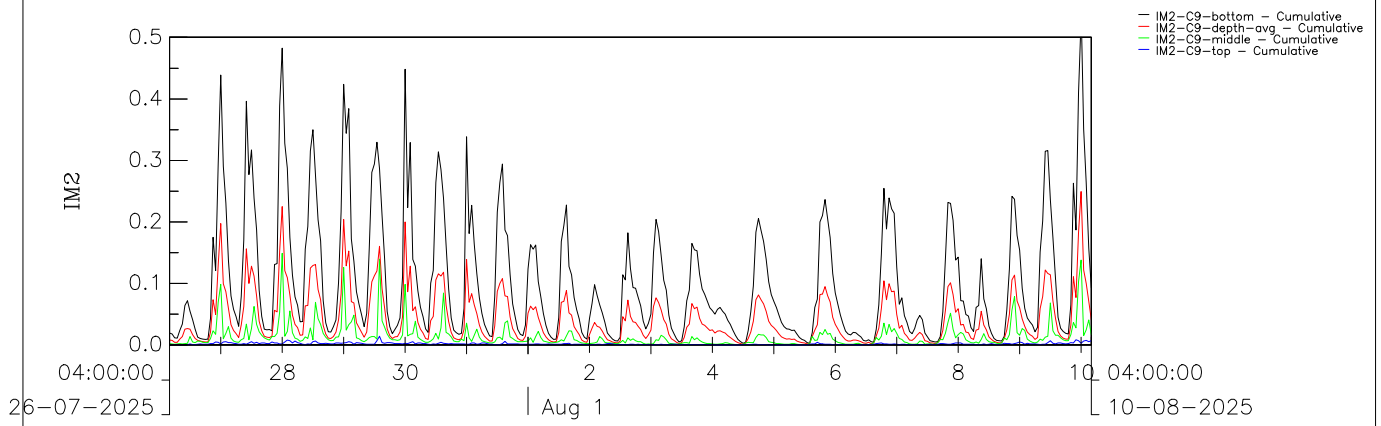
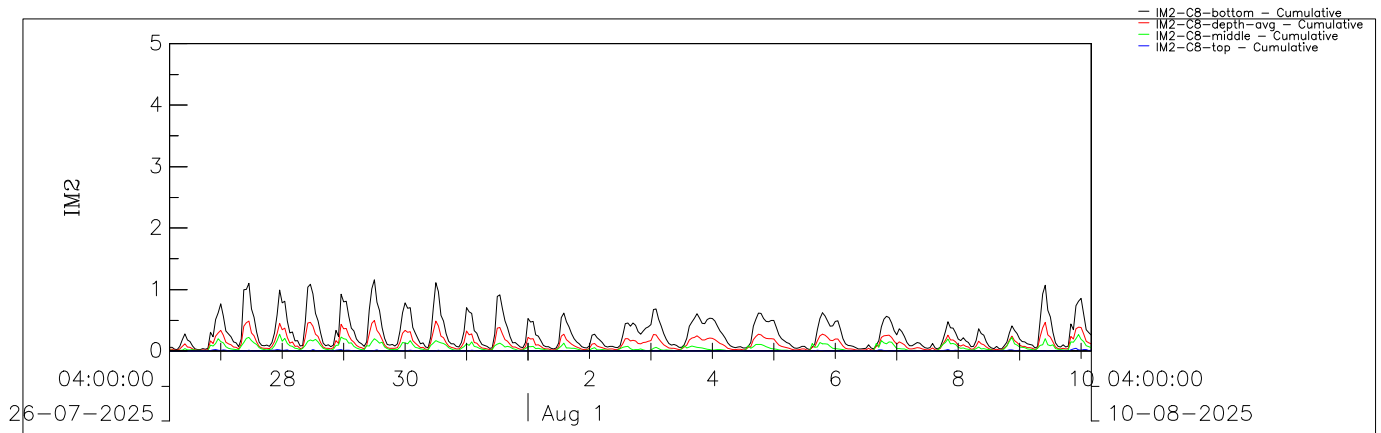
Wet Season

Scenario 2

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

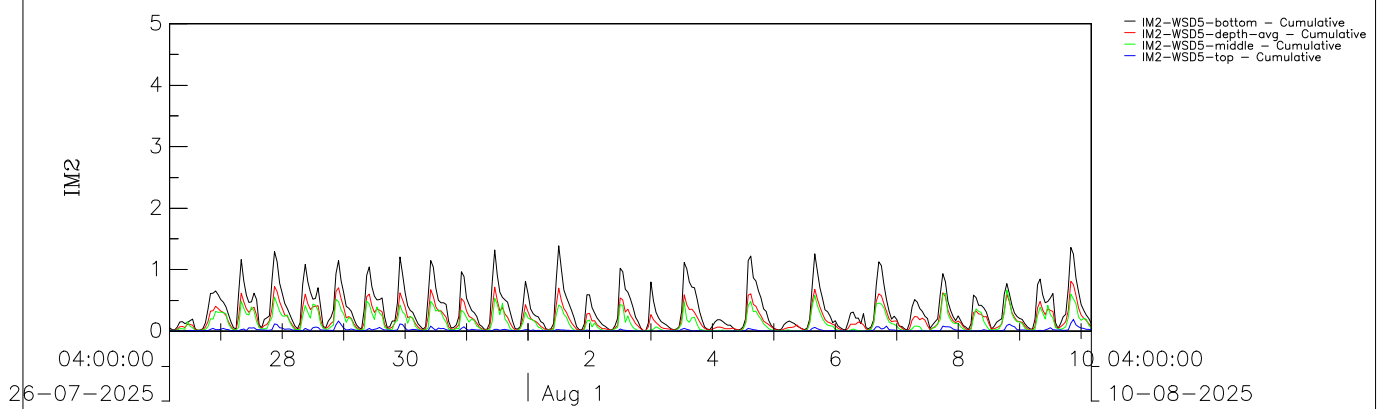
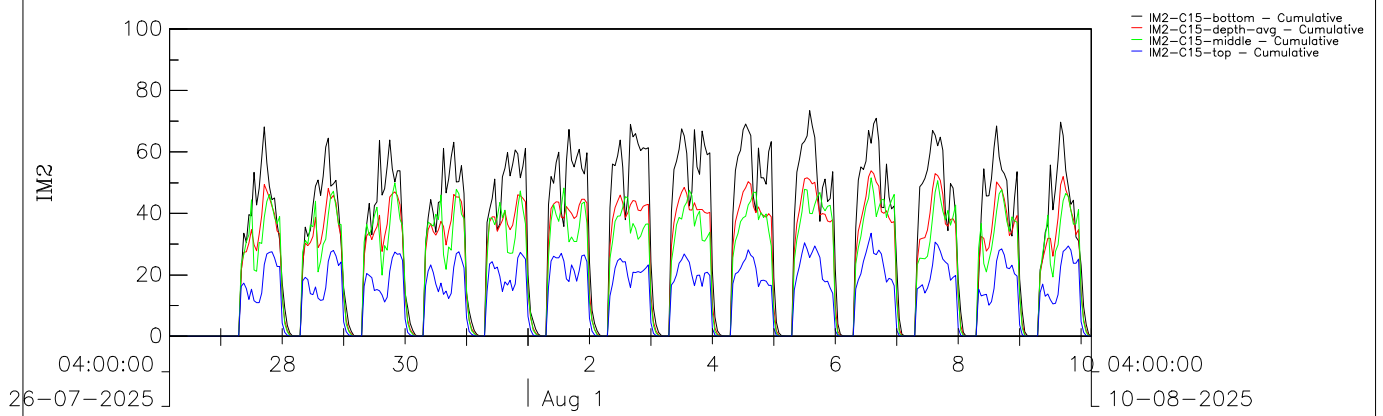
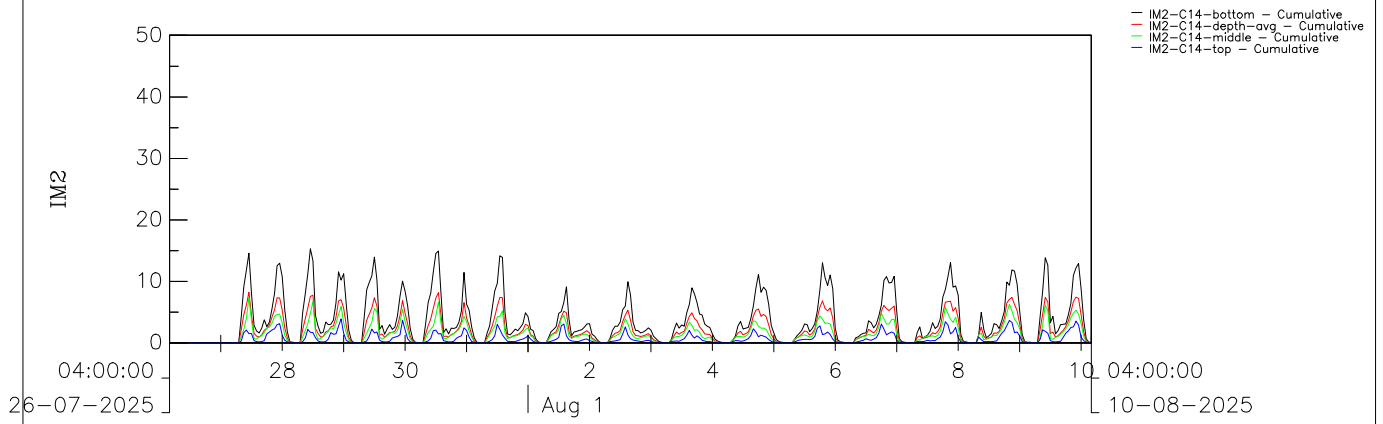
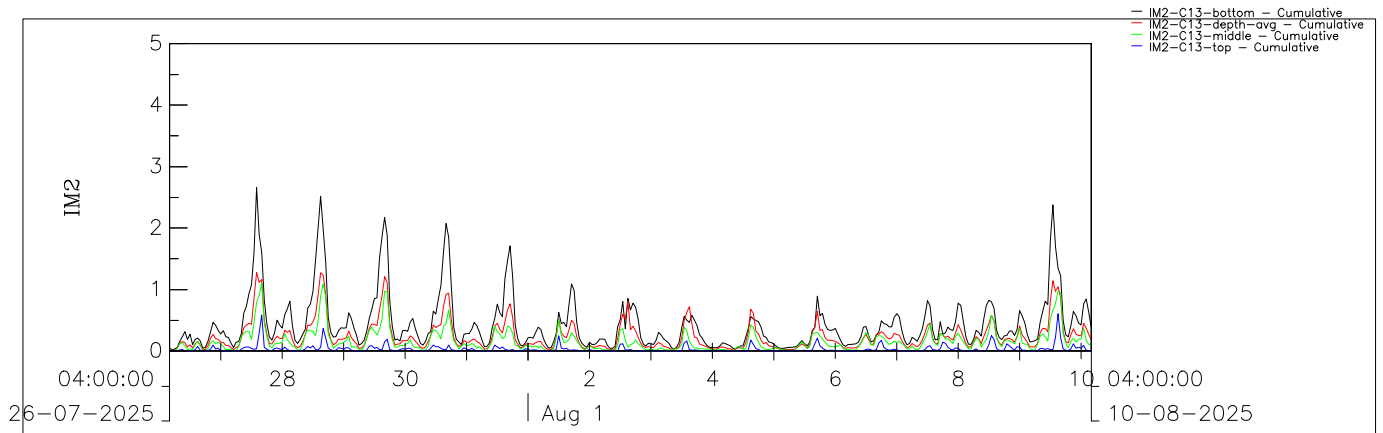


SS Elevations (mg/L) at Stations C8, C9, C10, C12
 from Source B (Cumulative)
 1st Plot: C8; 2nd Plot: C9; 3rd Plot: C10; 4th Plot: C12

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd



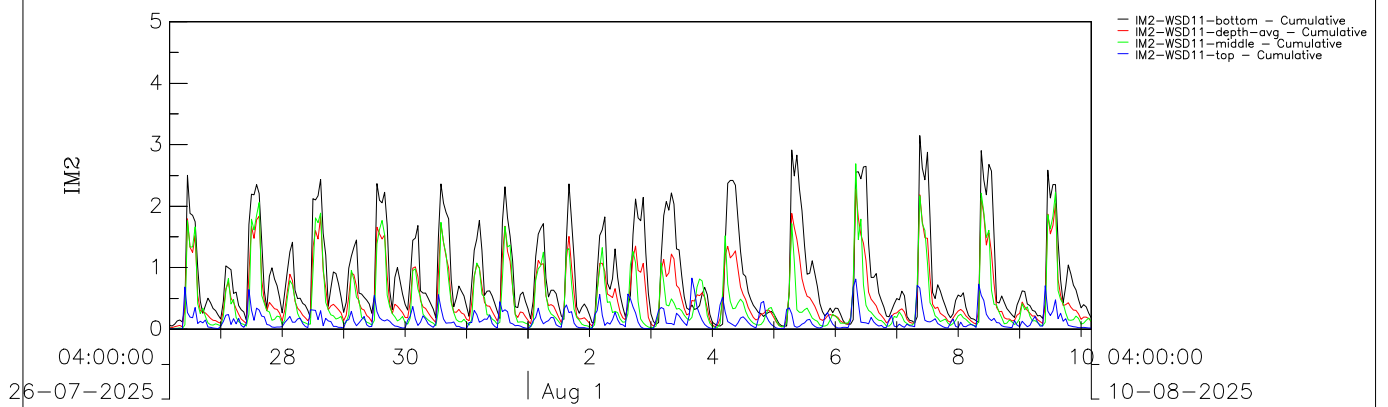
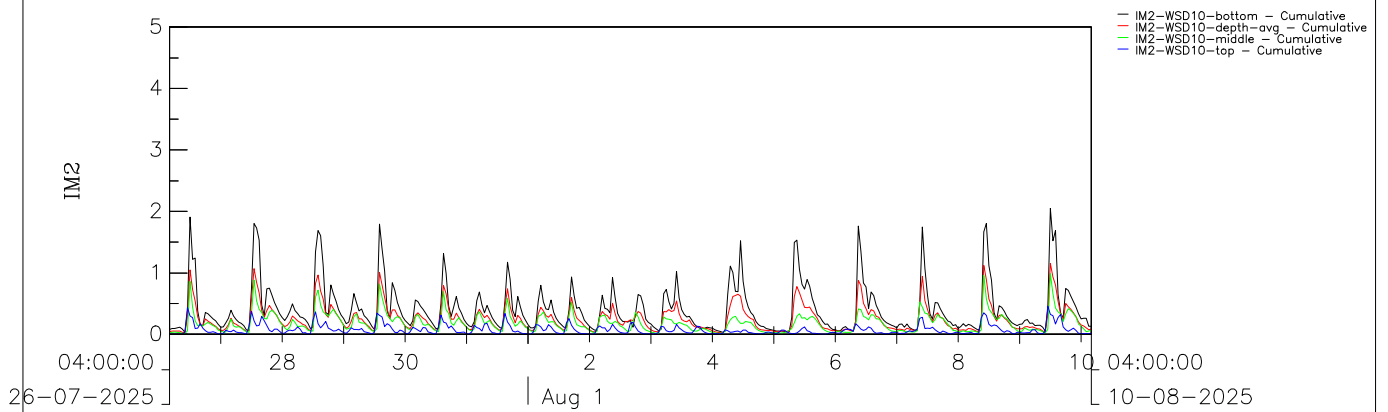
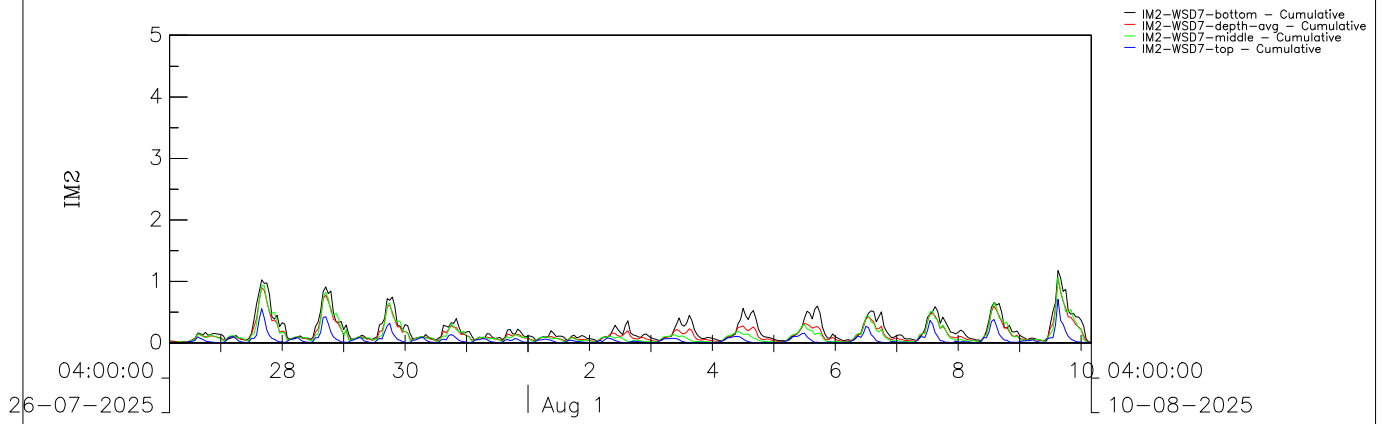
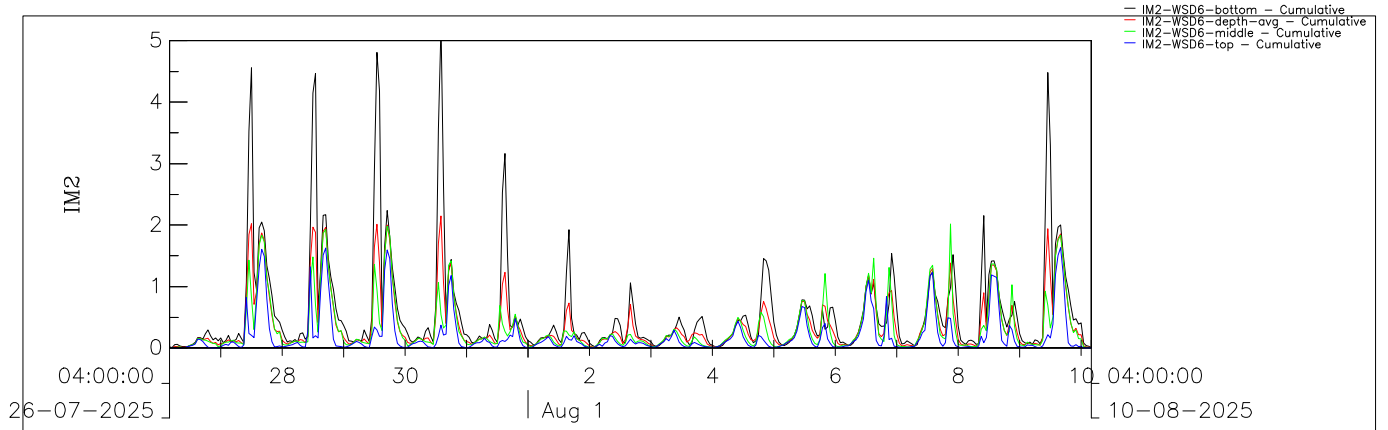
SS Elevations (mg/L) at Stations C13, C14, C15, WSD5
from Source B (Cumulative)

1st Plot: C13; 2nd Plot: C14; 3rd Plot: C15; 4th Plot: WSD5

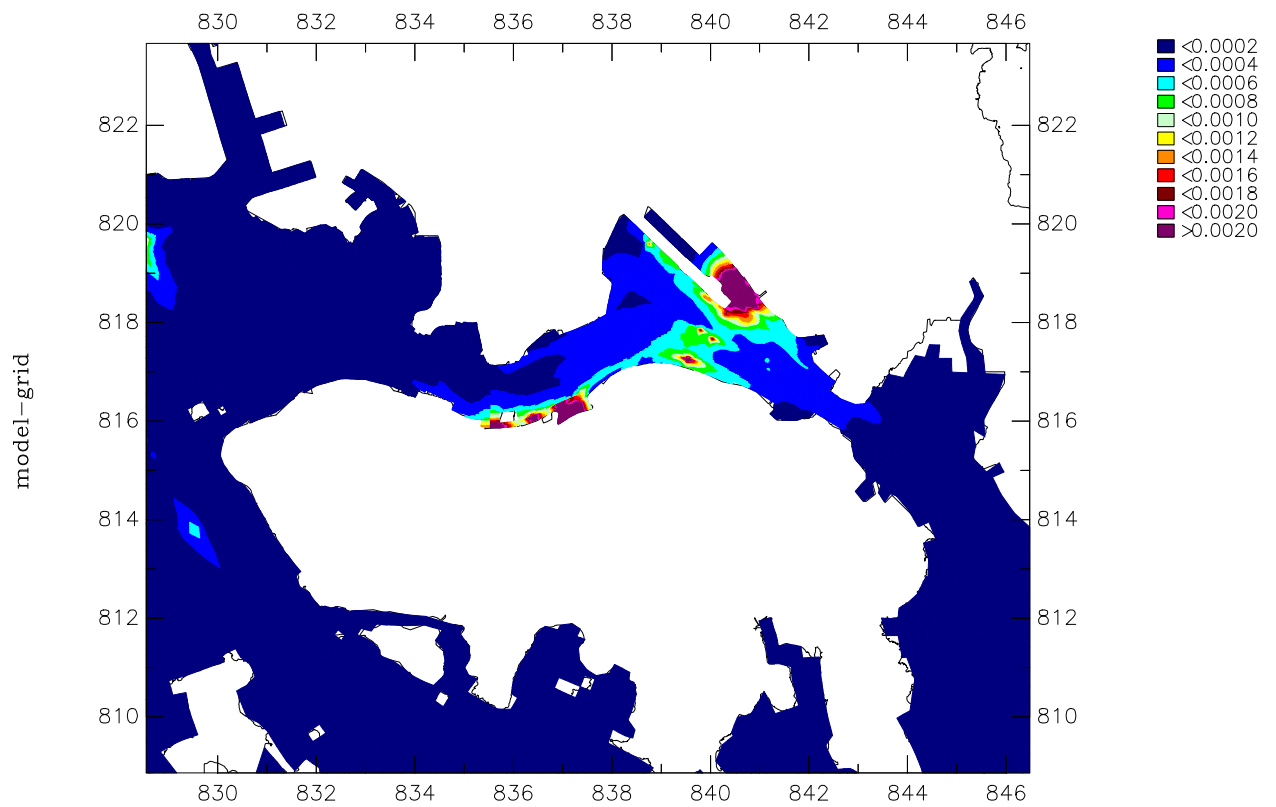
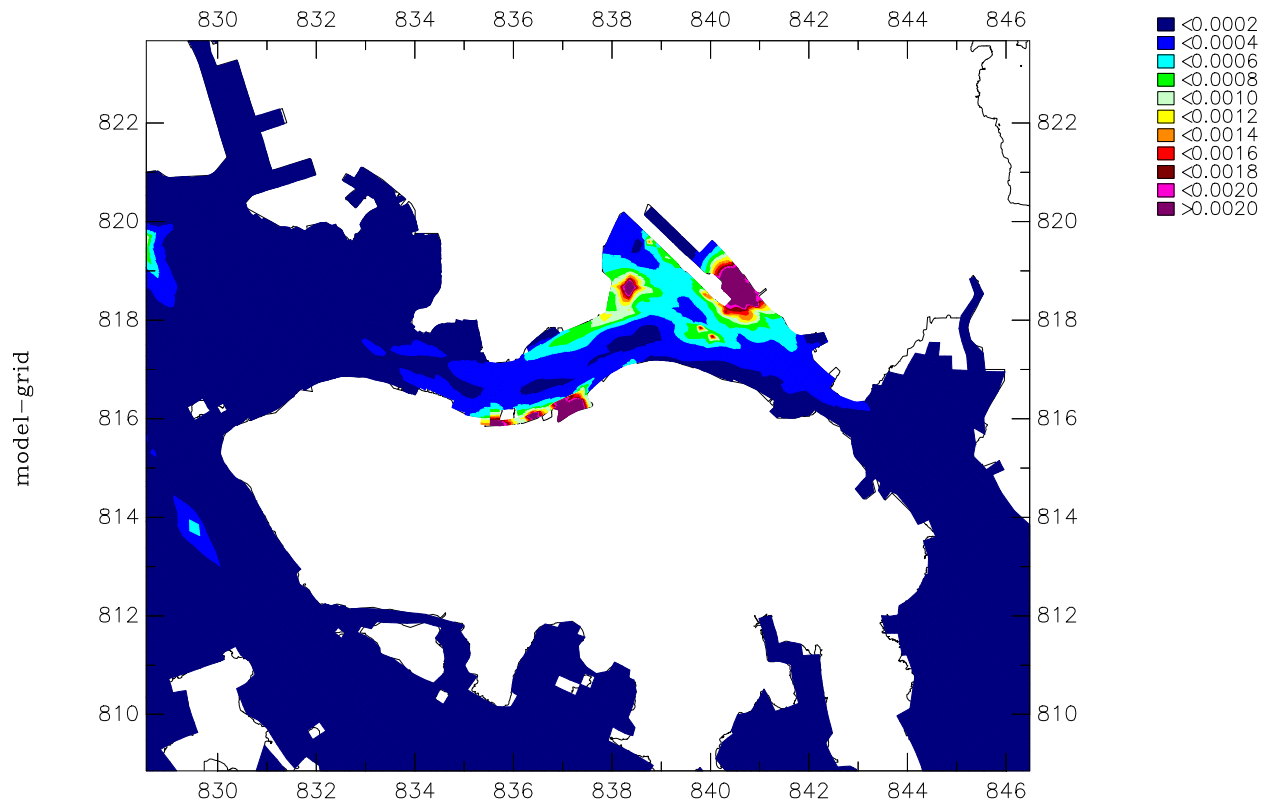
Wet Season

Scenario 2

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

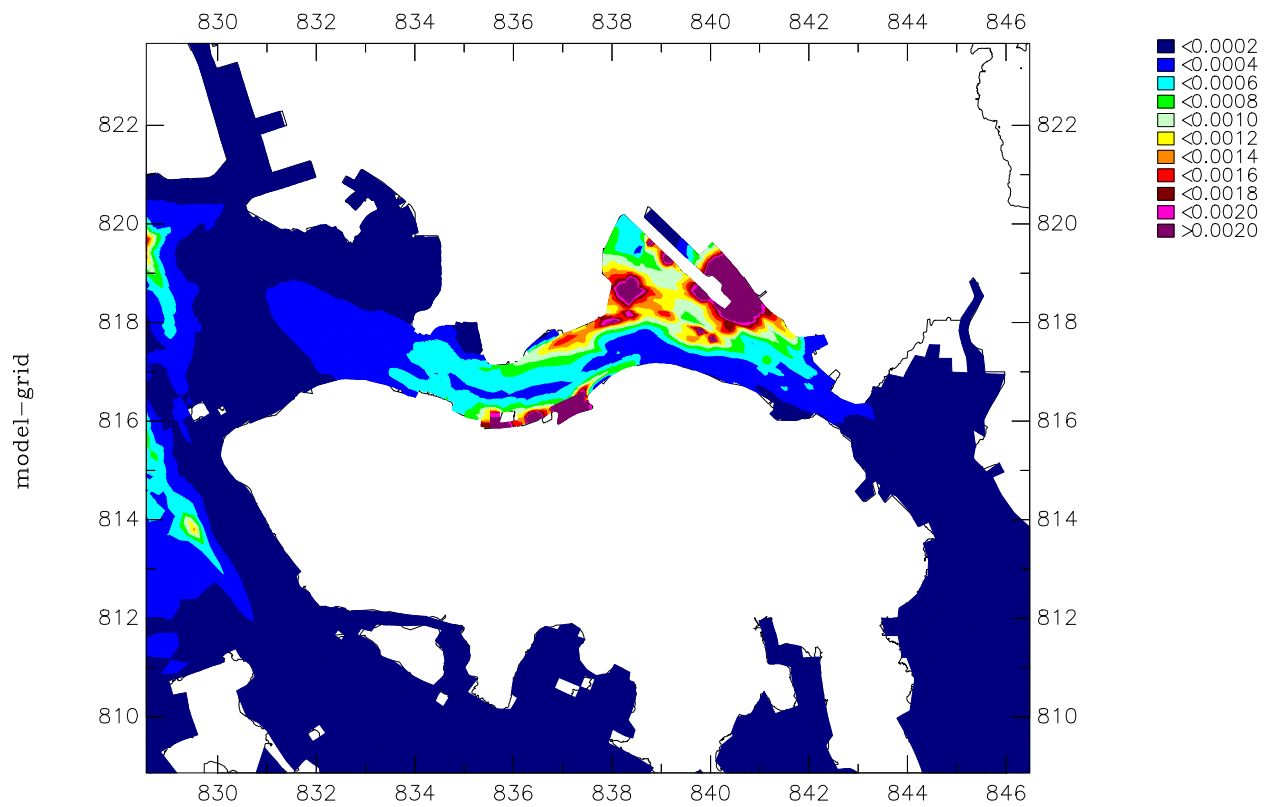
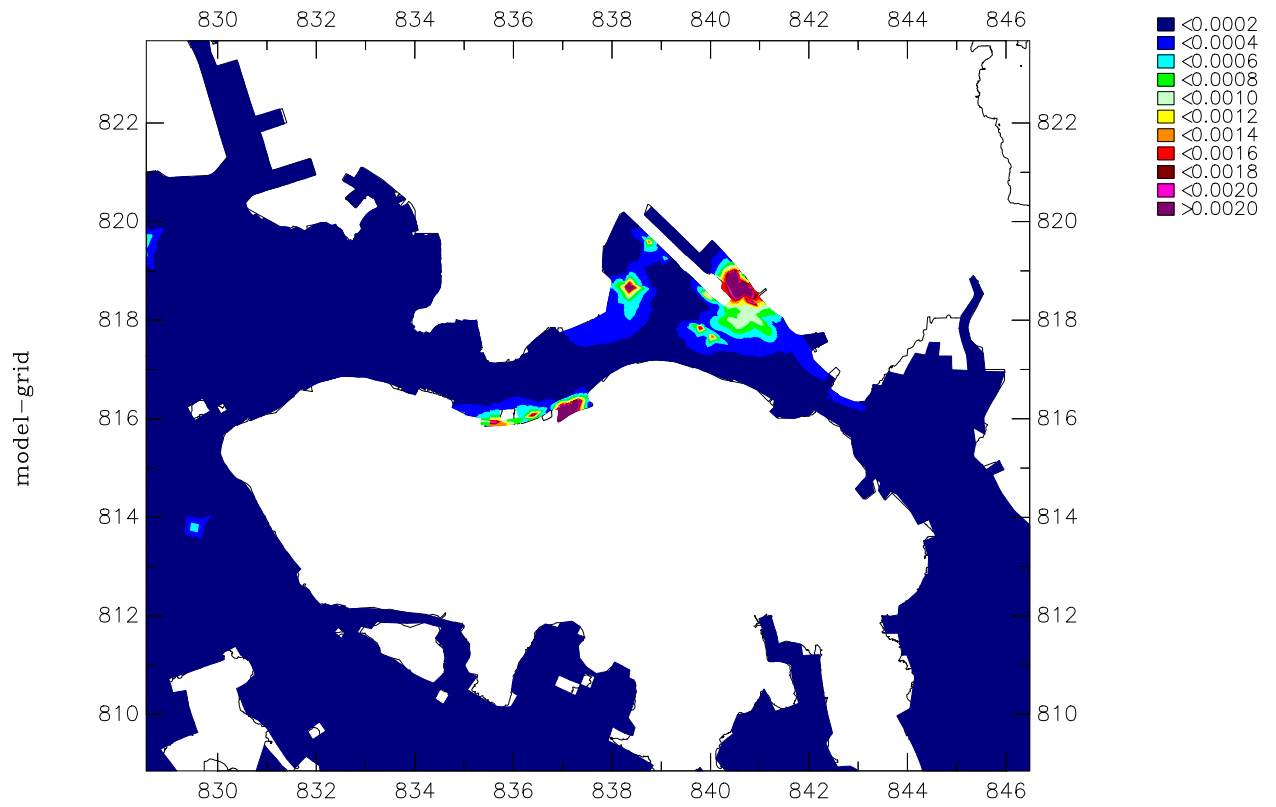


Maximum Depth-averaged Total Inorganic Nitrogen (TIN) (mg/L)
 Upper Plot: Source A (Cumulative)
 Lower Plot: Source B (Cumulative)

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

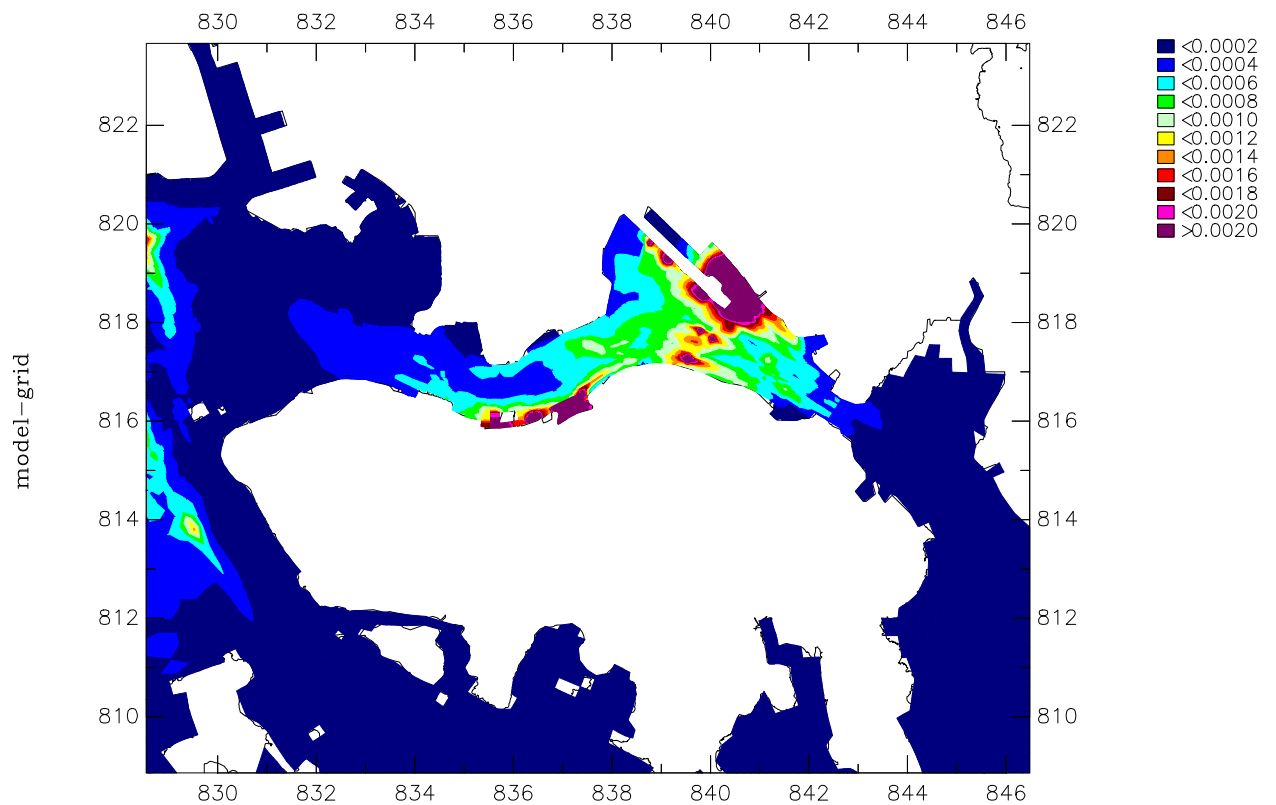
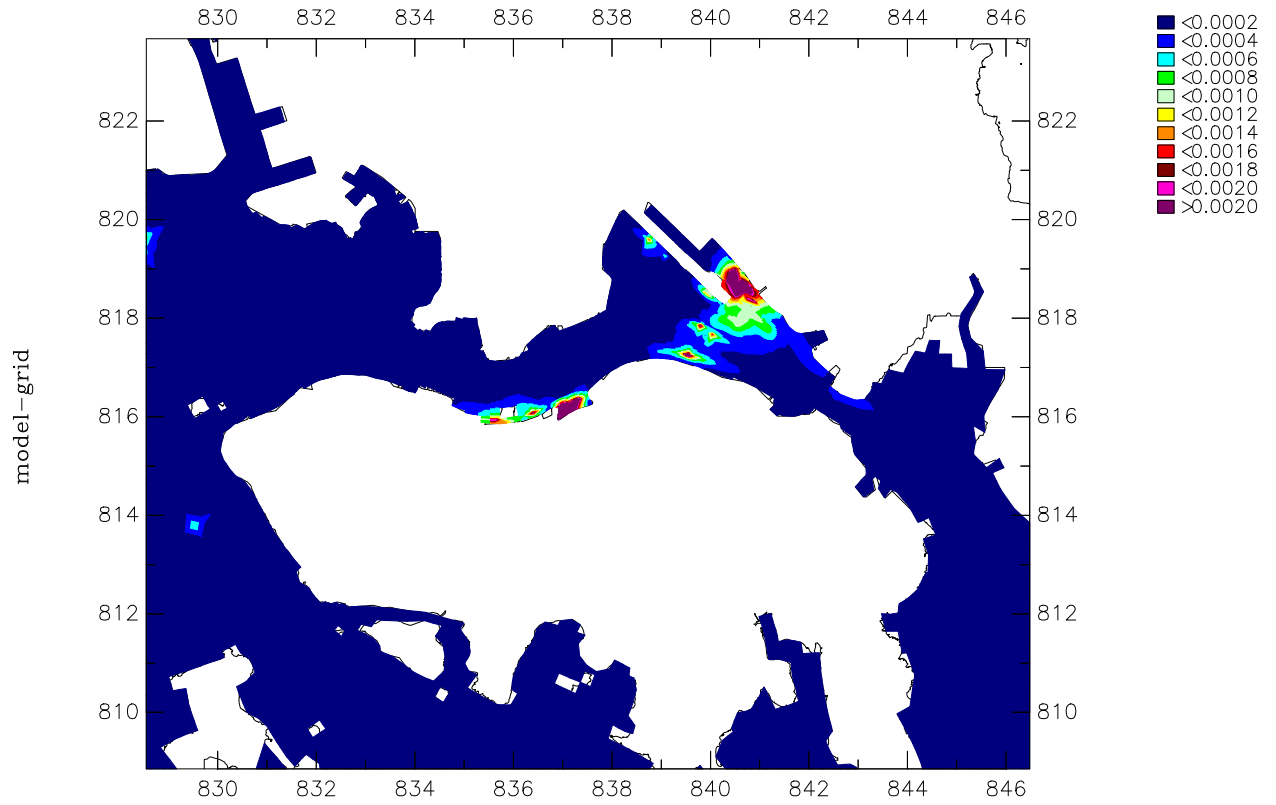


Maximum Total Inorganic Nitrogen (TIN) (mg/L) from Source A
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

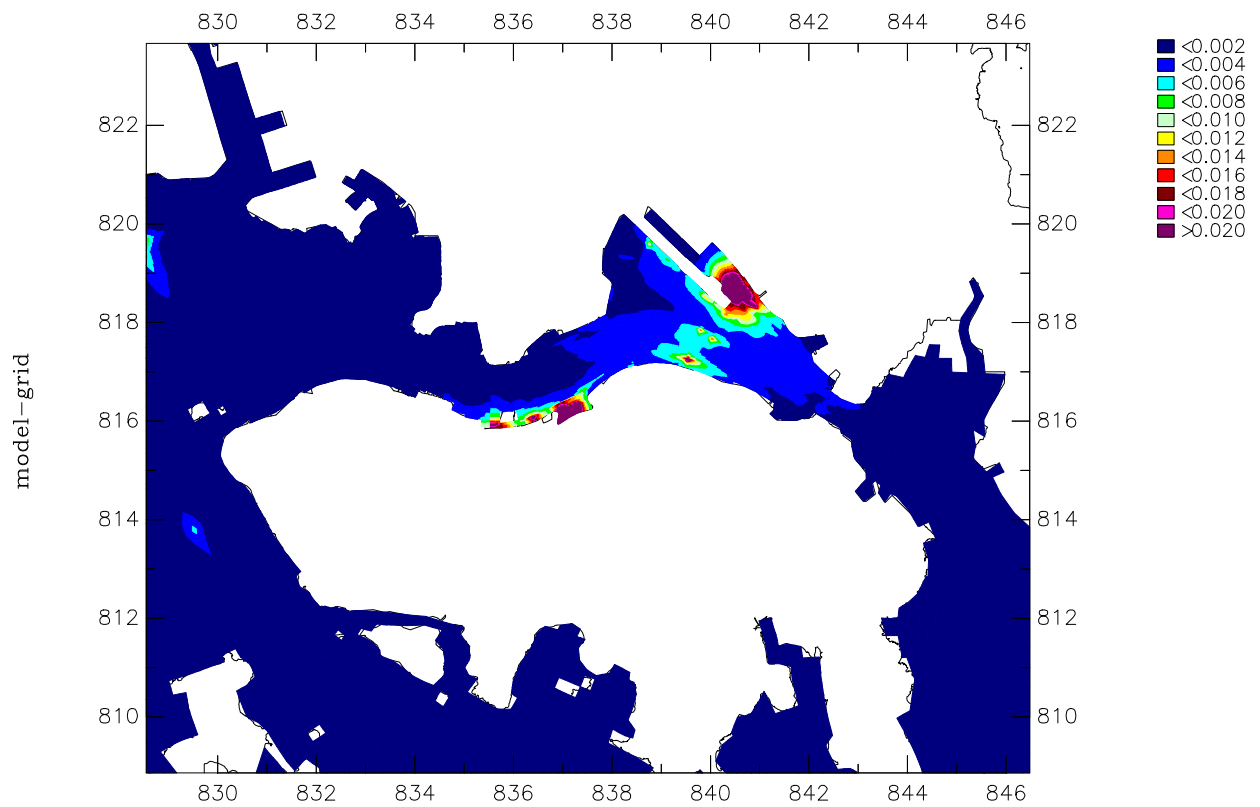
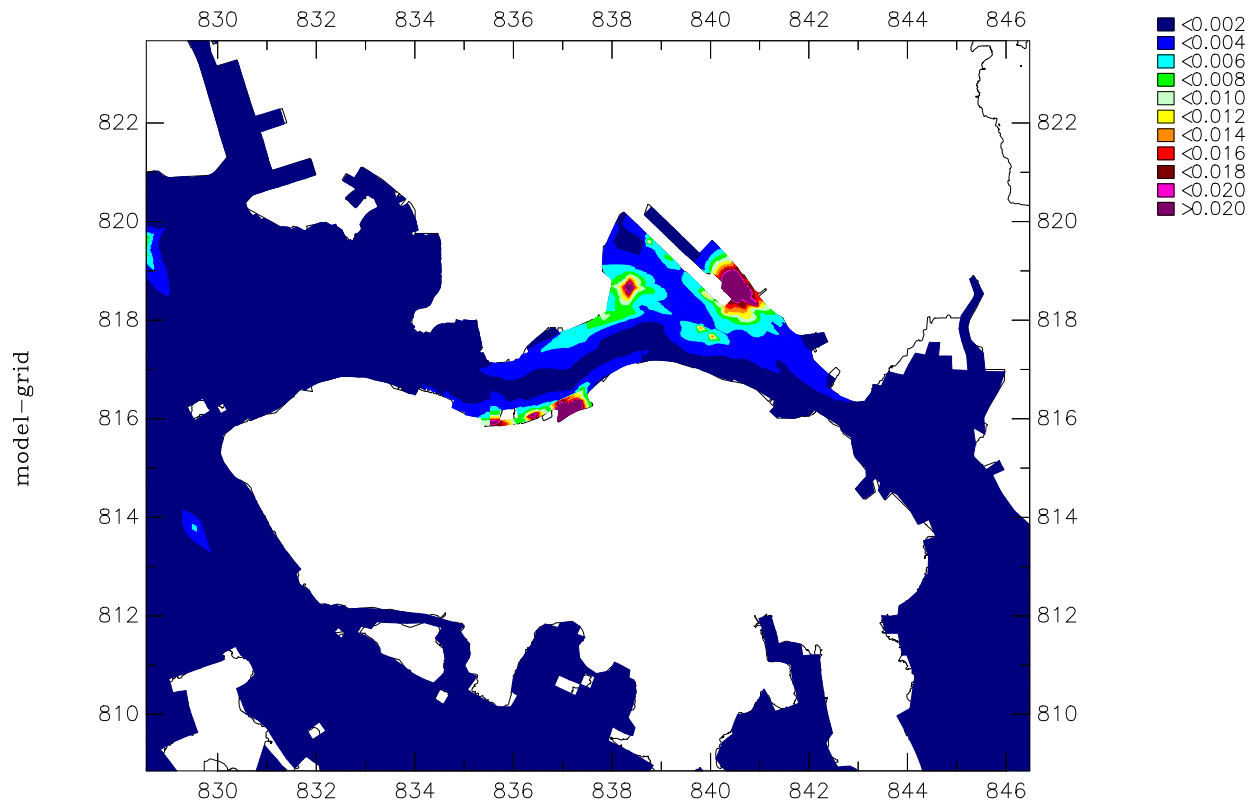


Maximum Total Inorganic Nitrogen (TIN) (mg/L) from Source B
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

Mott MacDonald Hong Kong Ltd

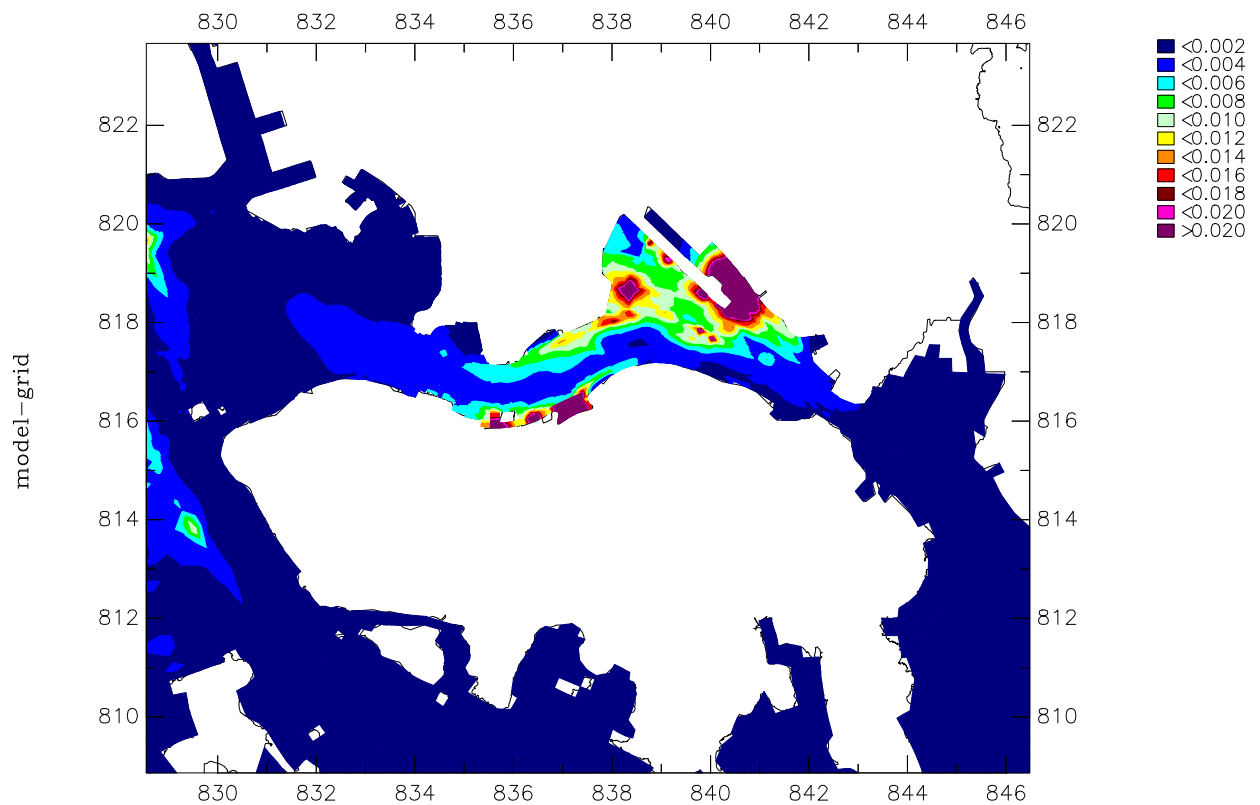
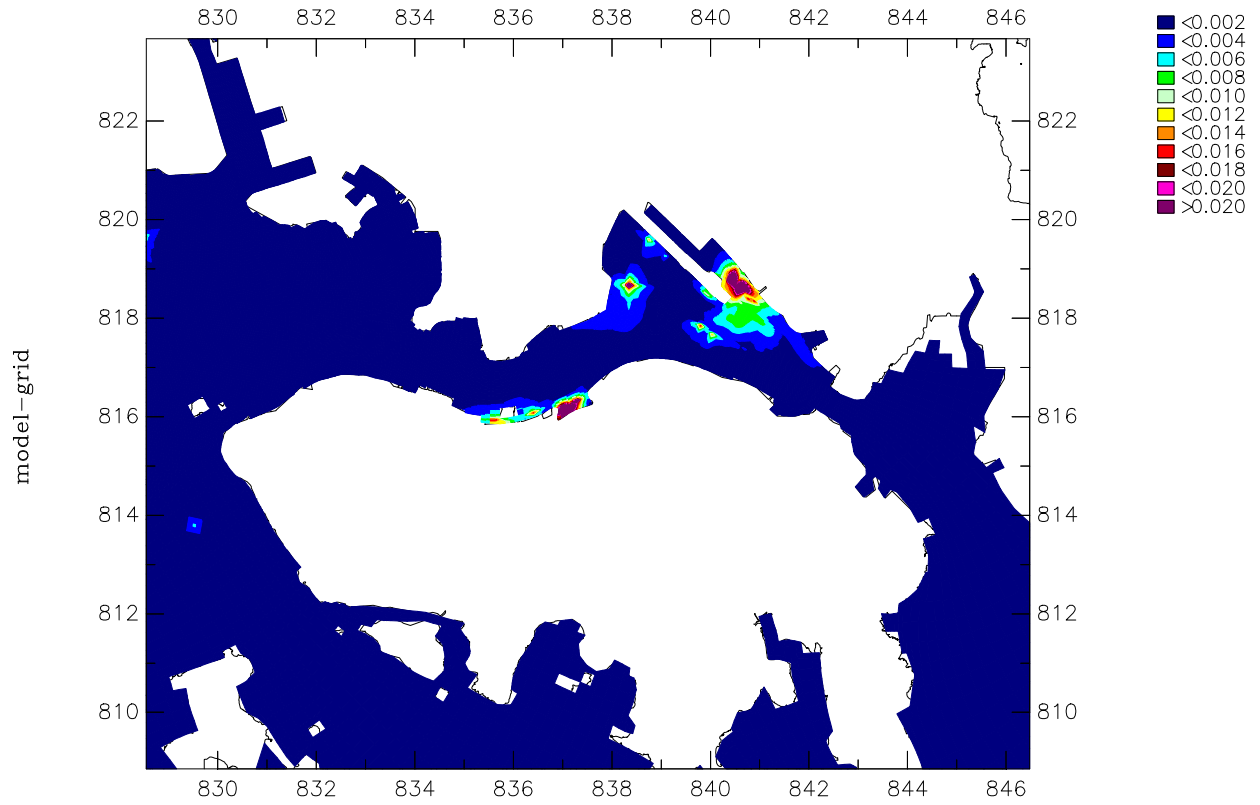


Maximum Depth-averaged Unionized Ammonia (NH₃) (mg/L)
 Upper Plot: Source A (Cumulative)
 Lower Plot: Source B (Cumulative)

Wet Season

Scenario 2

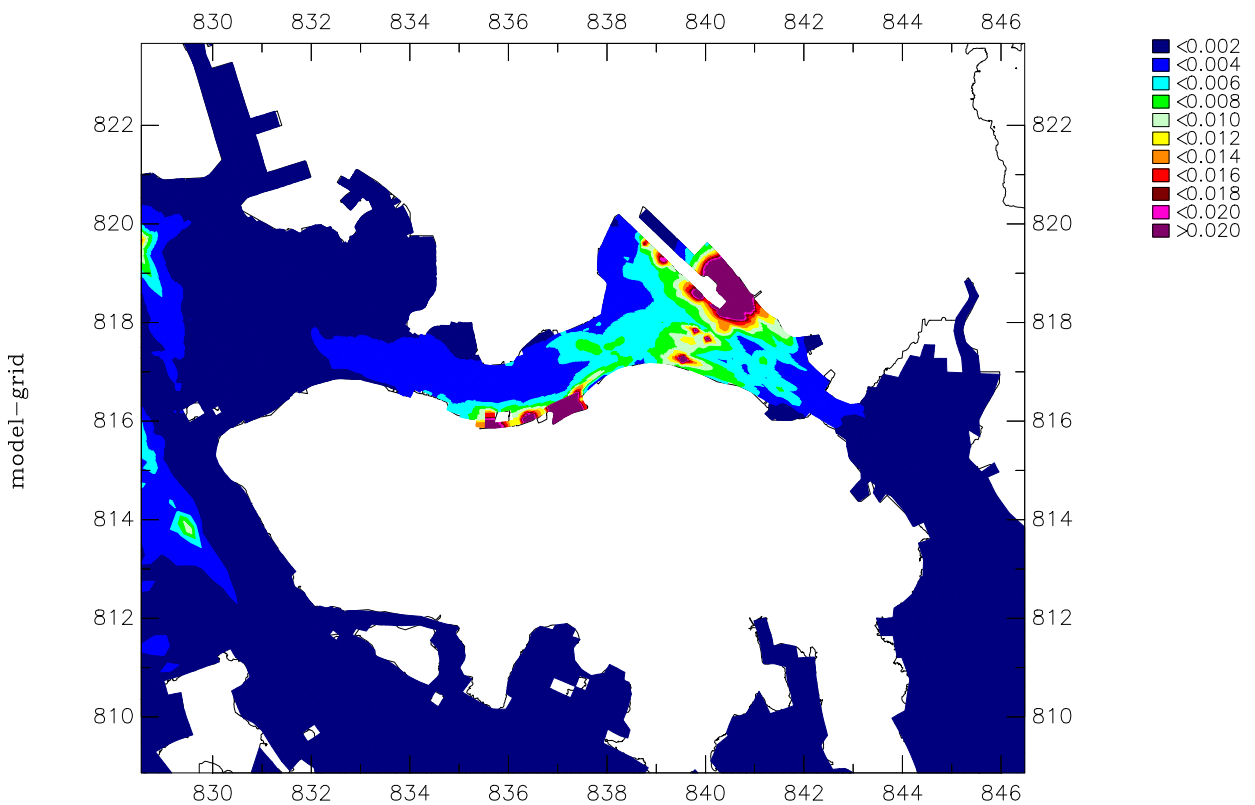
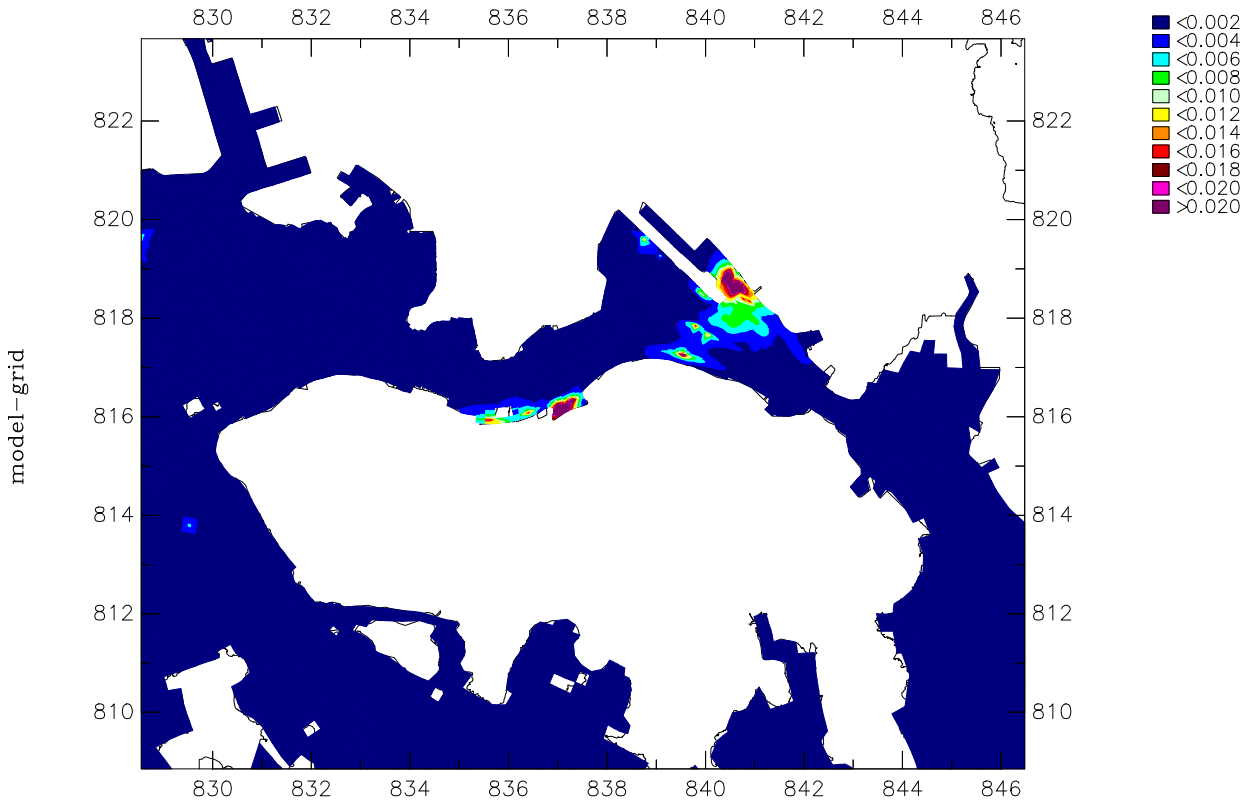
Mott MacDonald Hong Kong Ltd



Maximum Unionized Ammonia (NH₃) (mg/L) from Source A
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season Scenario 2

Mott MacDonald Hong Kong Ltd

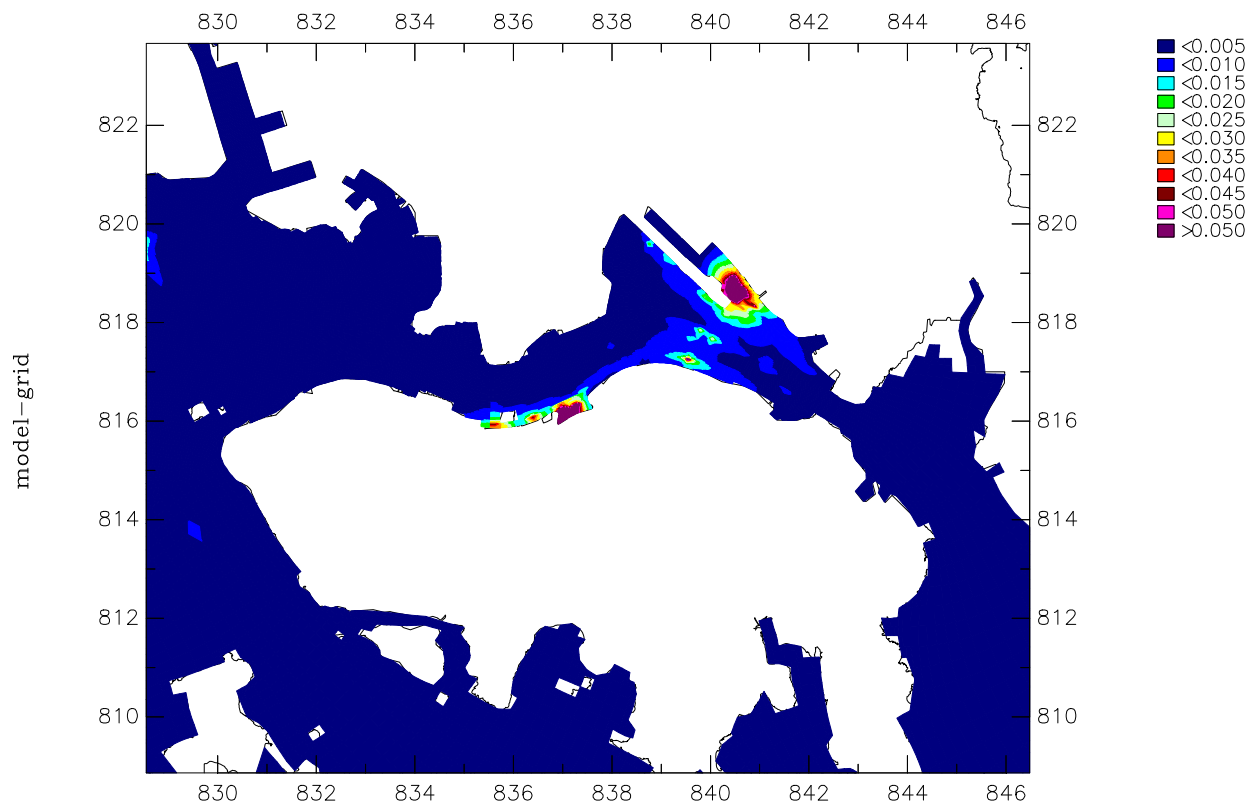
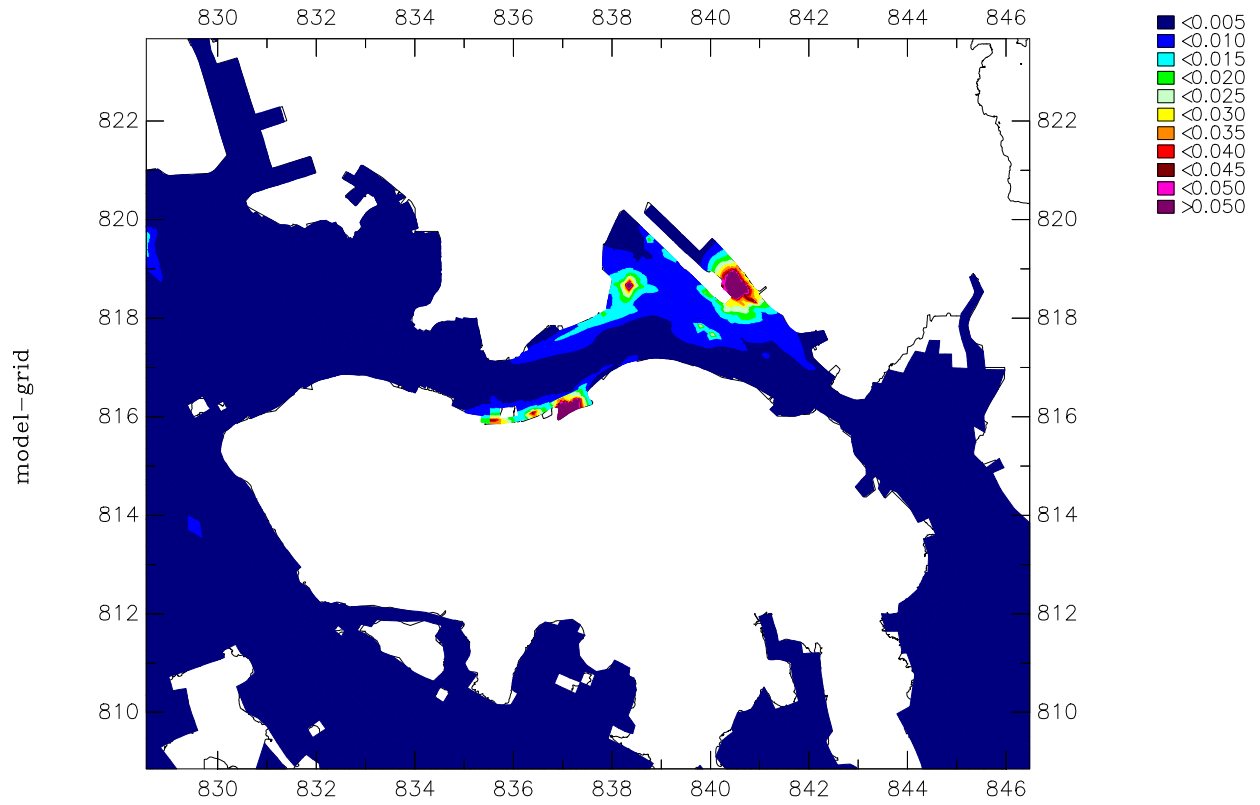


Maximum Unionized Ammonia (NH₃) (mg/L) from Source B
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

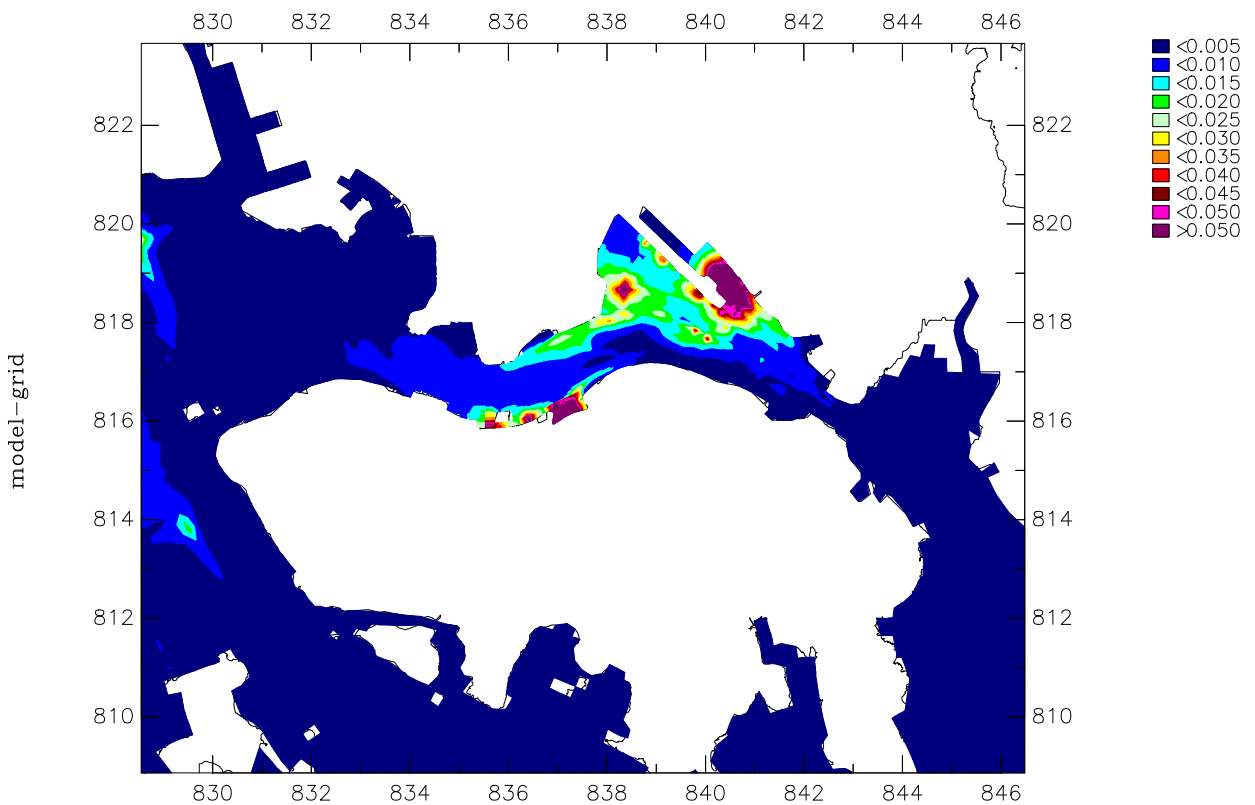
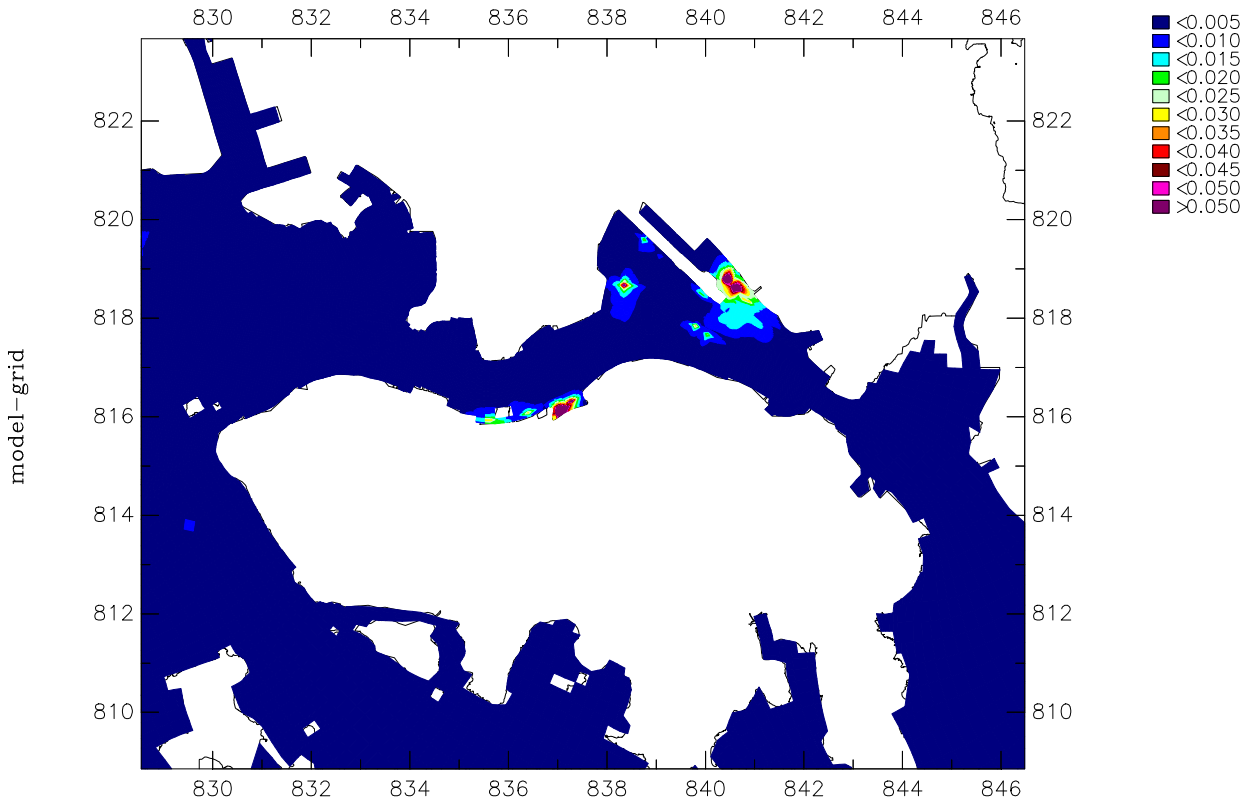
Mott MacDonald Hong Kong Ltd



Maximum Depth-averaged Dissolved Oxygen Decrease (mg/L)
 Upper Plot: Source A (Cumulative)
 Lower Plot: Source B (Cumulative)

Wet Season Scenario 2

Mott MacDonald Hong Kong Ltd

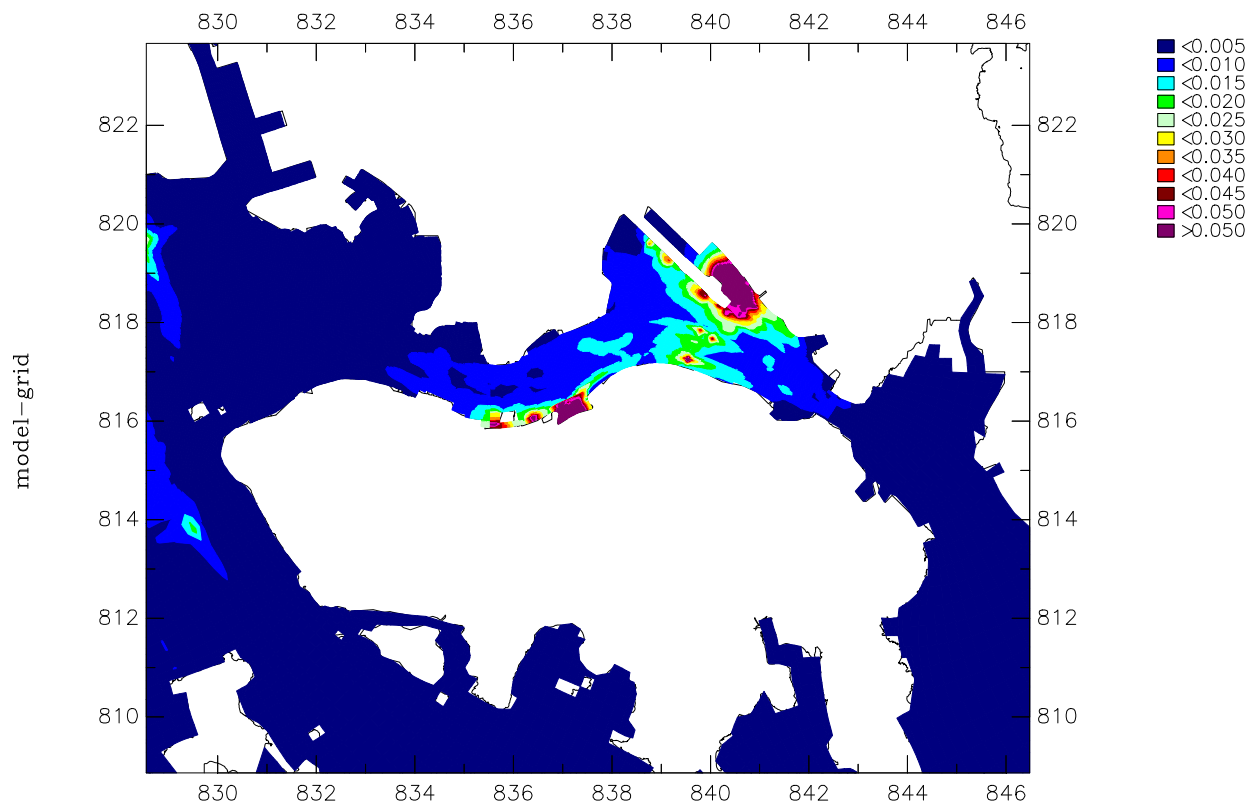
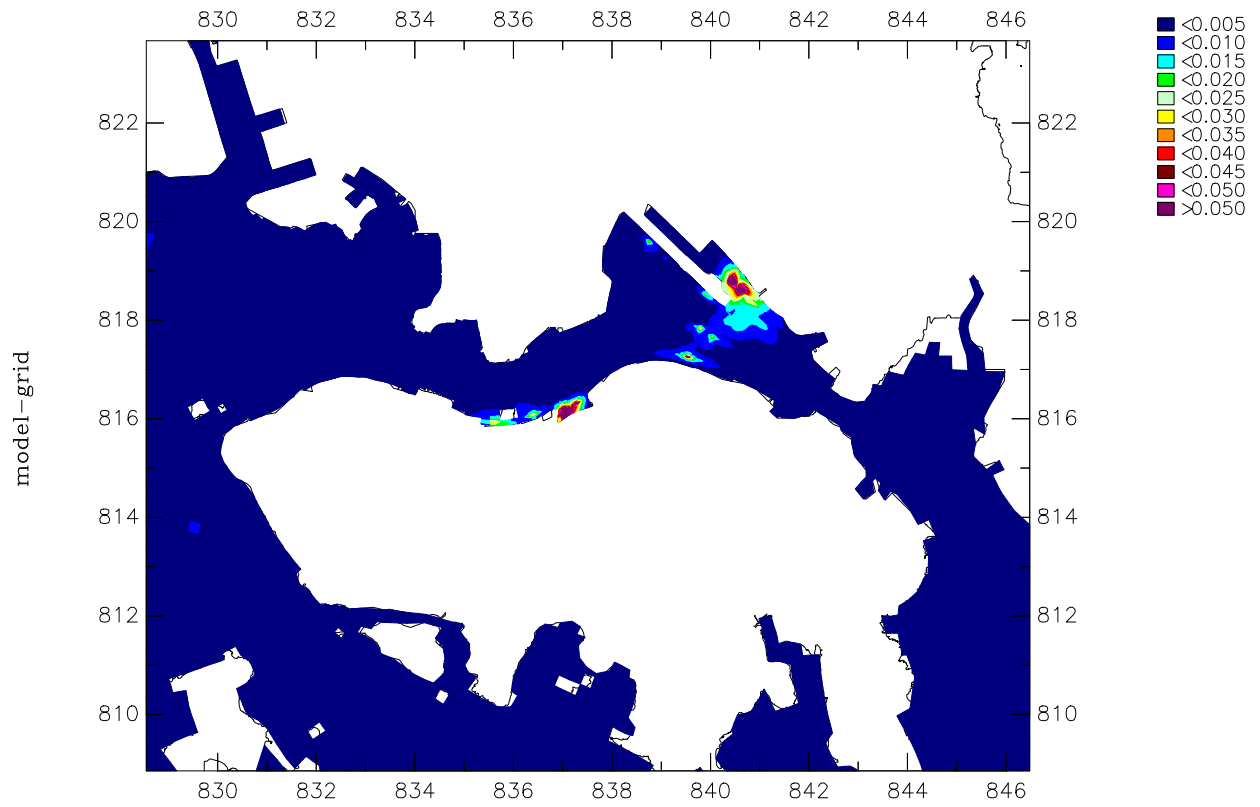


Maximum Dissolved Oxygen Decrease (mg/L) from Source A
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

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Maximum Dissolved Oxygen Decrease (mg/L) from Source B
 (Cumulative impacts from other Dredging Operations)
 Upper Plot: Top Layer; Lower Plot: Bottom Layer

Wet Season

Scenario 2

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