

Appendix 6.8

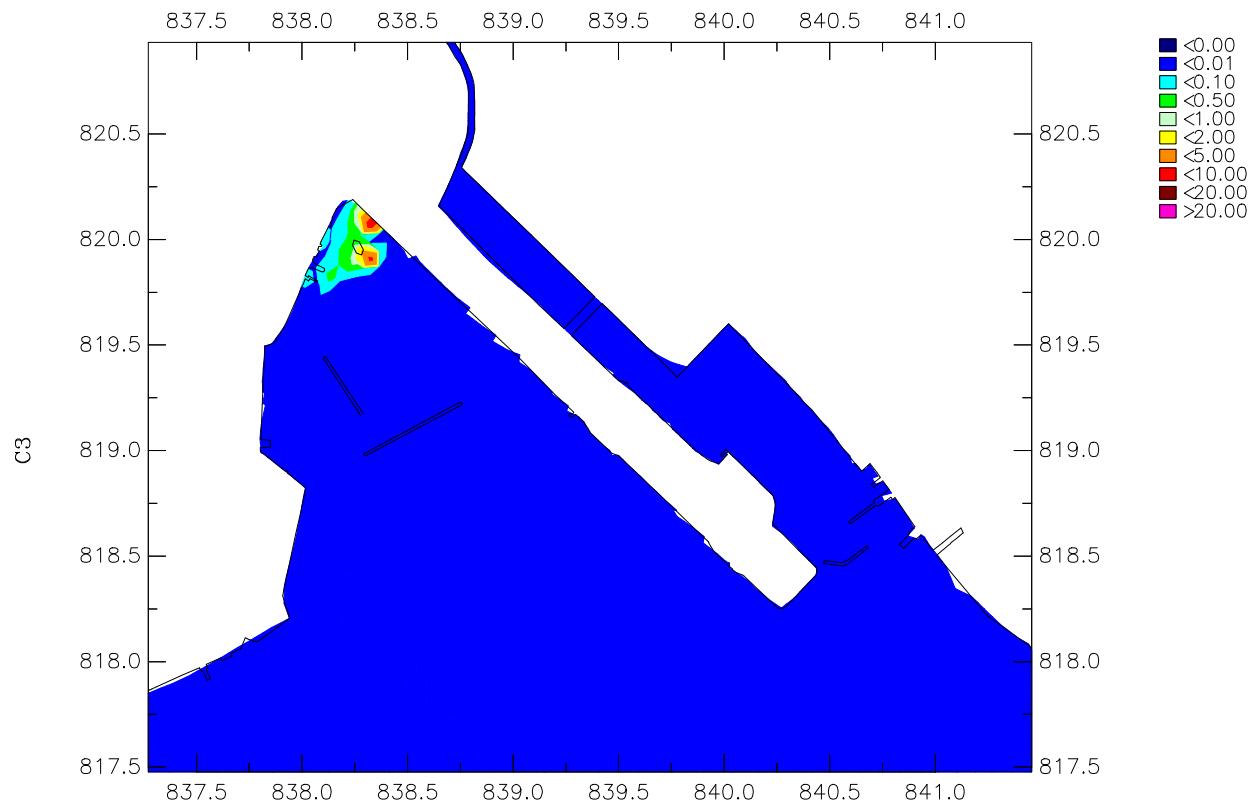
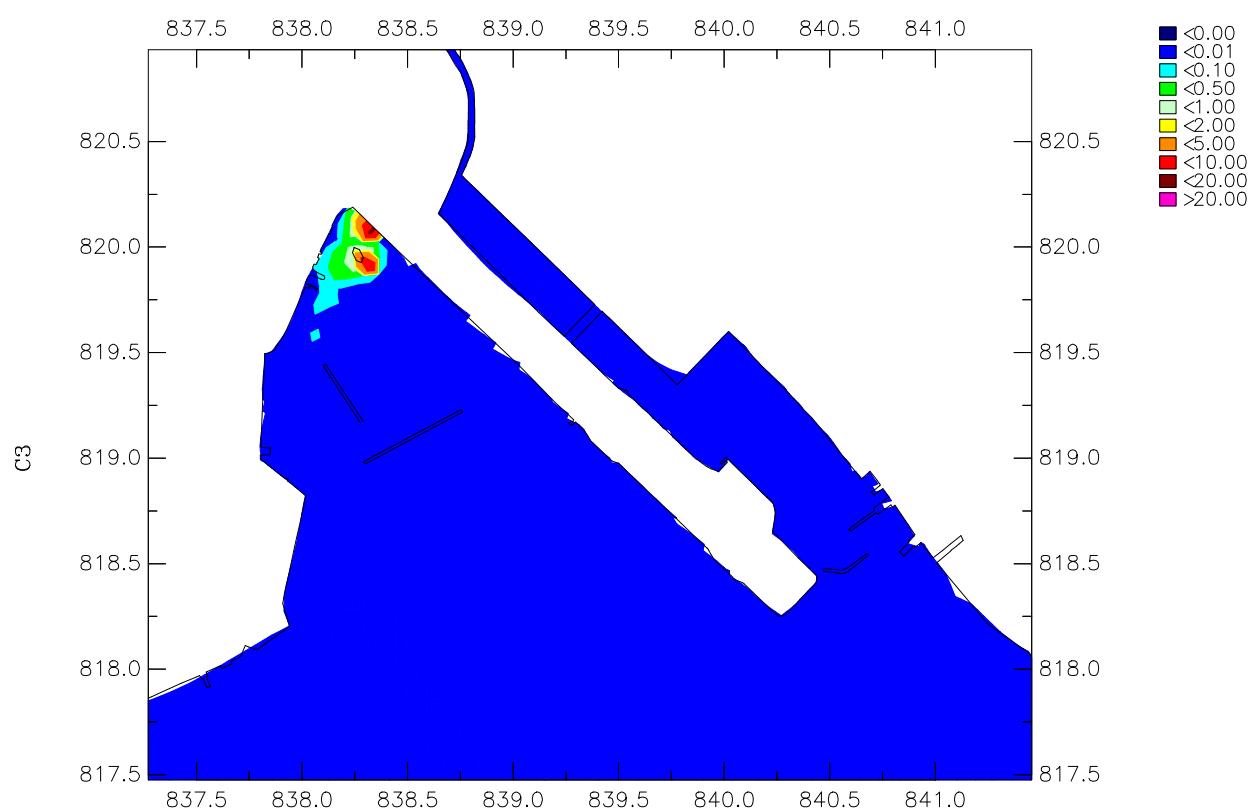
Model Results for Suspended Solids Elevation (Tier 1 Mitigation Measures)

Tier 1 Mitigated Scenario with Silt Curtain – Results for SS Elevation

Drawing No.	Description
C3-D-SET-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during spring ebb tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-D-SFT-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during spring flood tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-D-NET-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during neap ebb tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-D-NFT-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during neap flood tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-D-HHW-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during highest high water, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-D-LLW-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during lowest low water, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-D-SST-M1	Scenario C3- dredging of marine channel for CKR On SS elevation time series plot during dry season with mitigation measures (silt curtain)
C3-W-SET-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during spring ebb tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-W-SFT-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during spring flood tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-W-NET-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during neap ebb tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-W-NFT-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during neap flood tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)

Drawing No.	Description
C3-W-HHW-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during highest high water, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-W-LLW-M1	Scenario C3- dredging of marine channel for CKR on SS elevation during lowest low water, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C3-W-SST-M1	Scenario C3- dredging of marine channel for CKR On SS elevation time series plot during wet season with mitigation measures (silt curtain)
C4-D-SET-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during spring ebb tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-D-SFT-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during spring flood tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-D-NET-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during neap ebb tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-D-NFT-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during neap flood tide, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-D-HHW-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during highest high water, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-D-LLW-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during lowest low water, dry season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-D-SST-M1	Scenario C4- dredging of marine channel for CKR & T2 On SS elevation time series plot during dry season without mitigation
C4-W-SET-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during spring ebb tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-W-SFT-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during spring flood tide, wet season with mitigation measures (silt curtain)

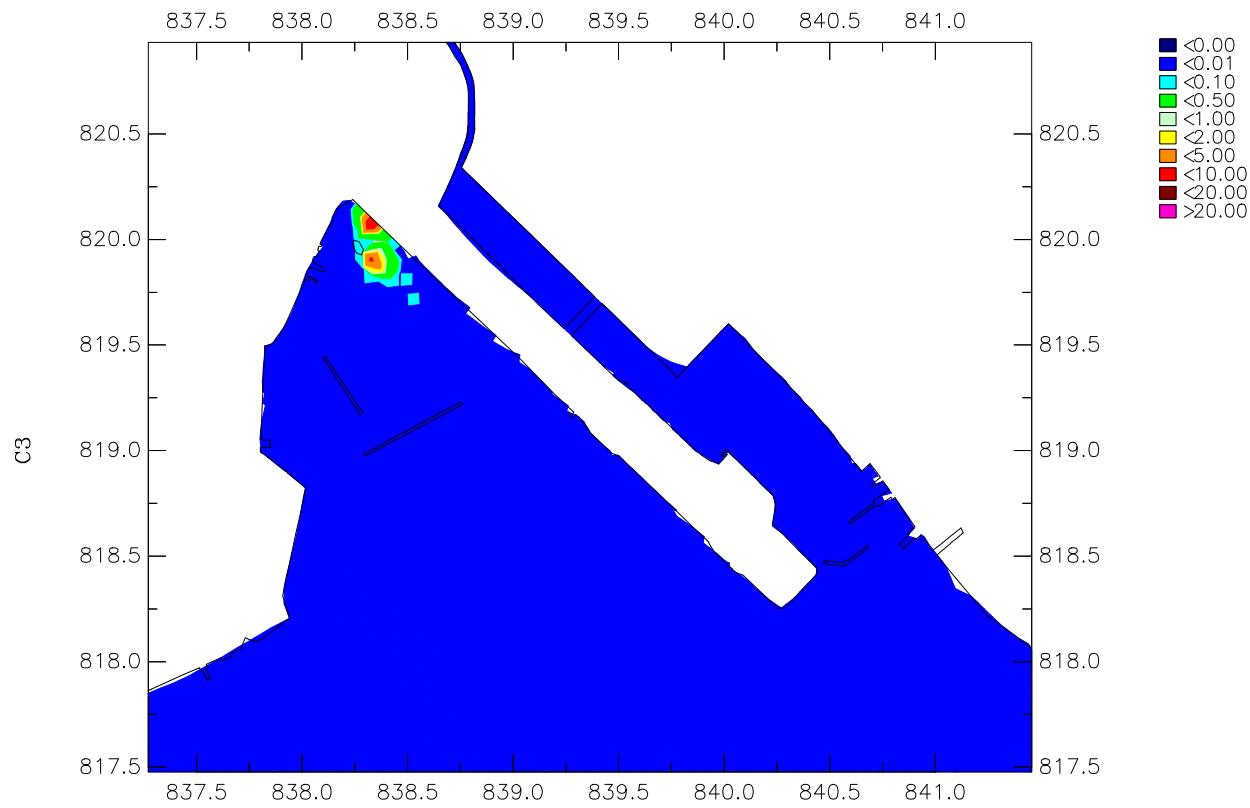
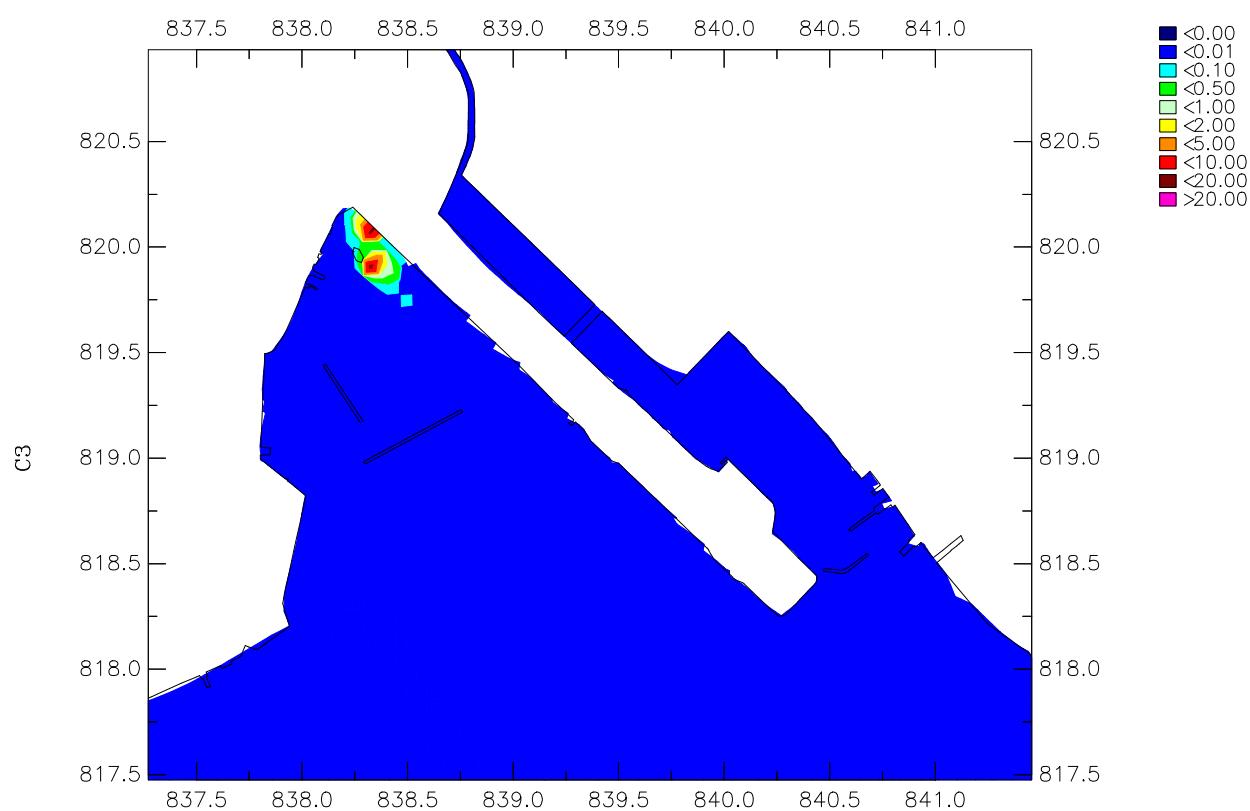
Drawing No.	Description
	(upper: surface layer; lower: bottom layer)
C4-W-NET-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during neap ebb tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-W-NFT-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during neap flood tide, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-W-HHW-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during highest high water, wet season with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-W-LLW-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation during lowest low water, wet with mitigation measures (silt curtain) (upper: surface layer; lower: bottom layer)
C4-W-SST-M1	Scenario C4- dredging of marine channel for CKR & T2 on SS elevation time series plot during wet season with mitigation measures (silt curtain)



SS Elevation (mg/L) – Spring Ebb Tide (2006/1/12 19:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C3-D-SET-M1	

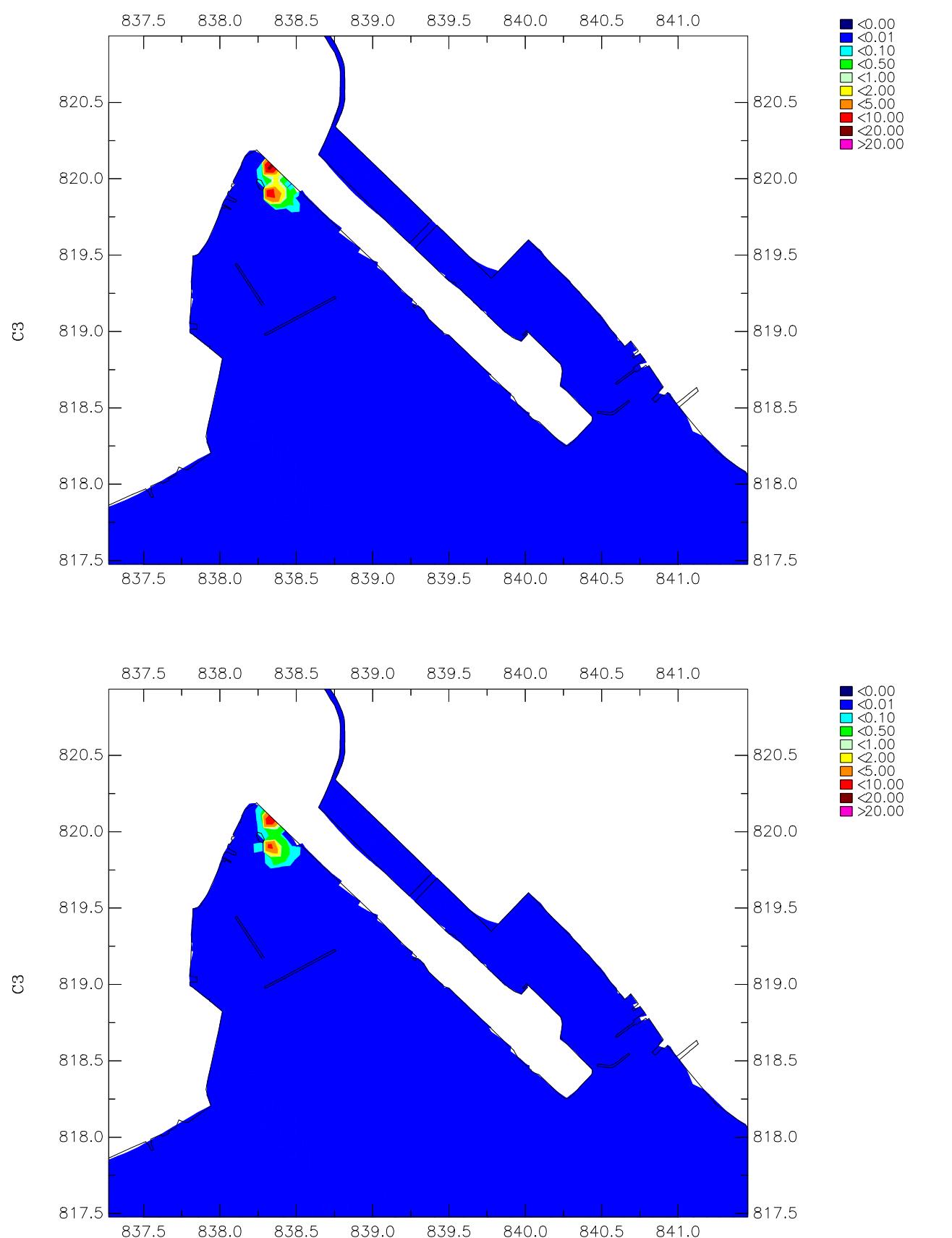
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SS Elevation (mg/L) – Spring Flood Tide (2006/1/13 14:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C3-D-SFT-M1	

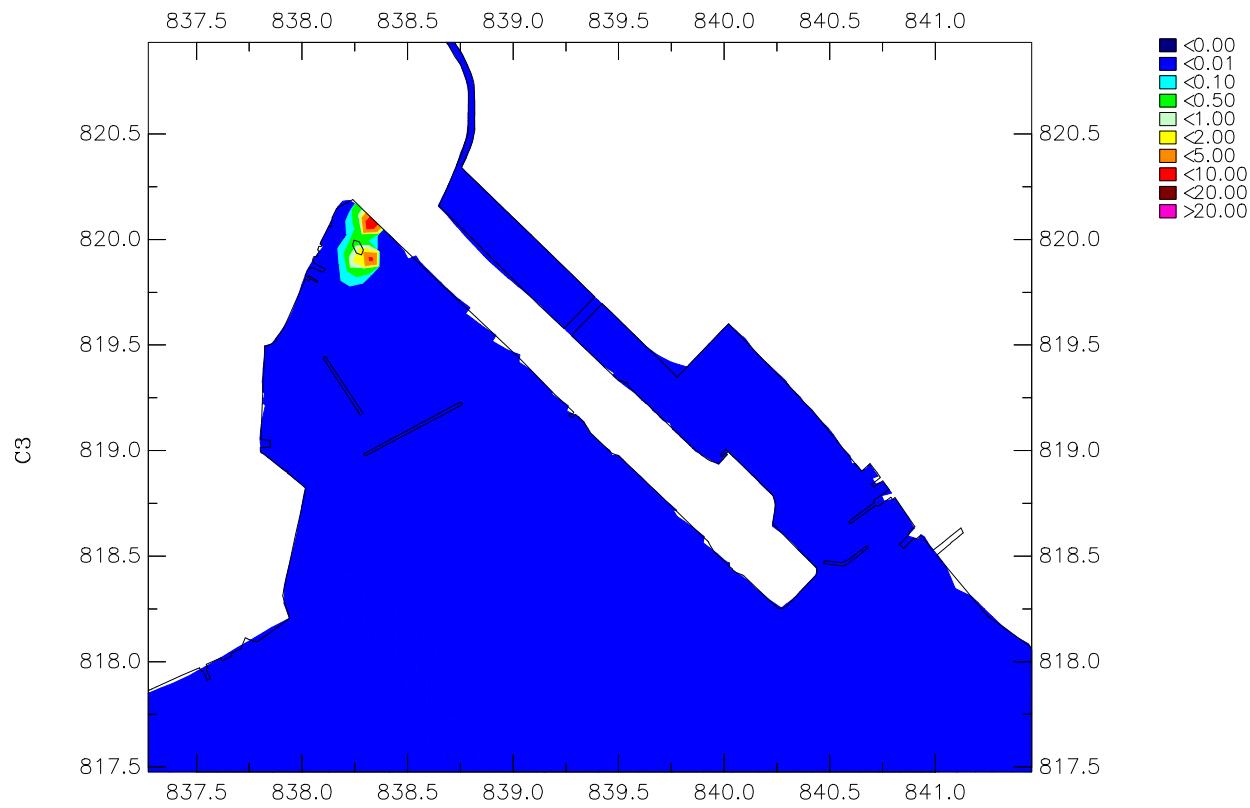
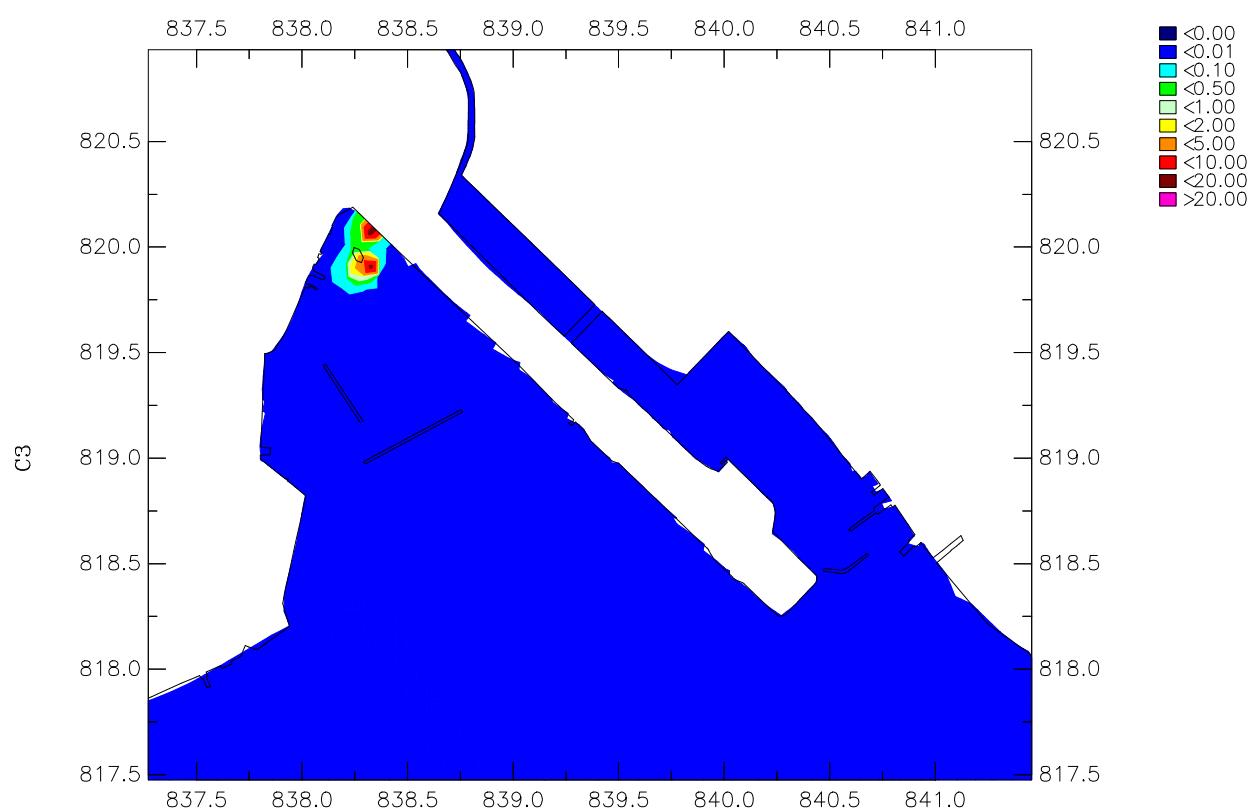
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SS Elevation (mg/L) – Neap Ebb Tide (2006/1/12 18:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C3-D-NET-M1	

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SS Elevation (mg/L) – Neap Flood Tide (2006/1/12 11:00)

Scenario C3 with Silt Curtain

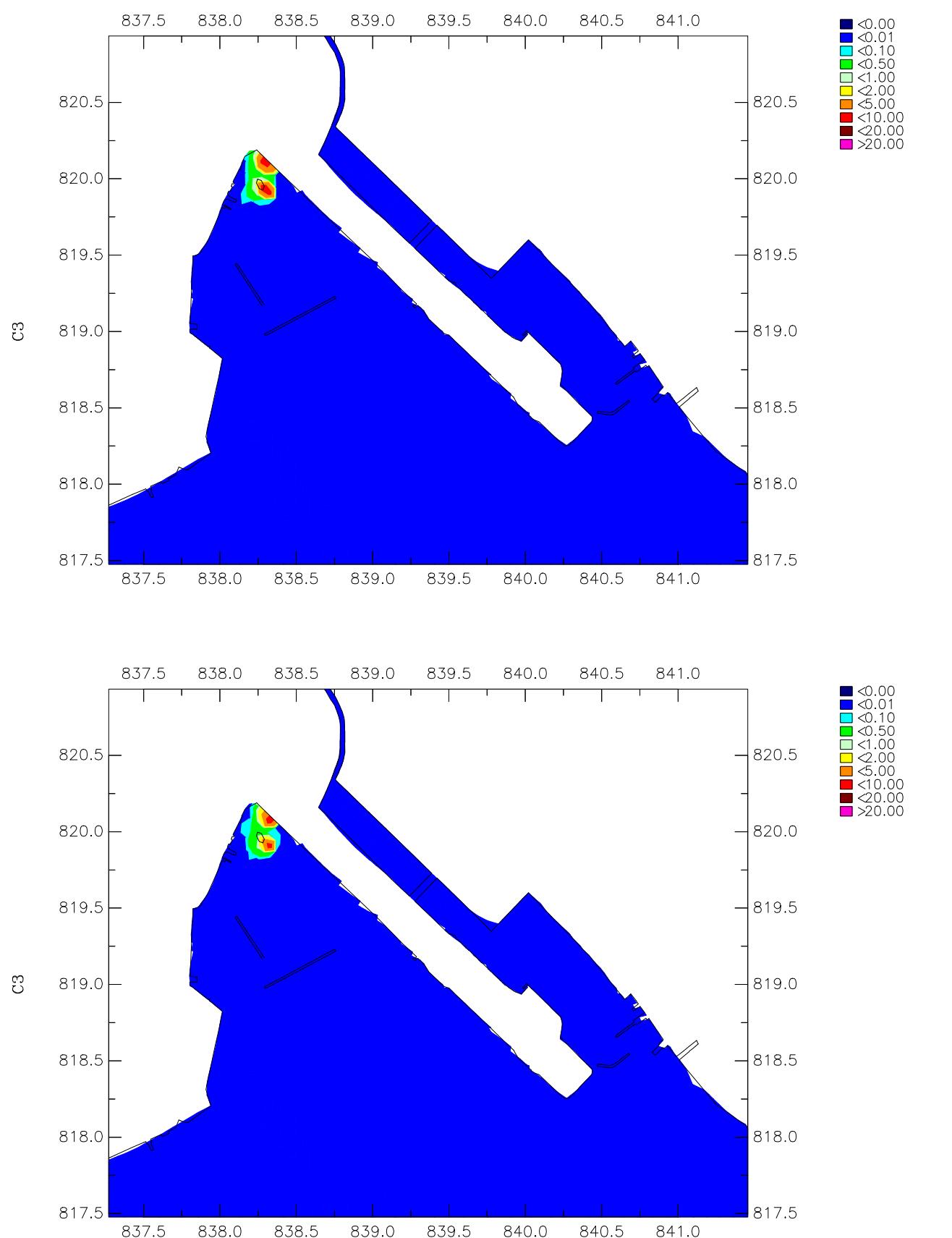
Upper: Surface layer; Lower: Bottom Layer

Dry Season

Mitigated

Drawing: C3-D-NFT-M1

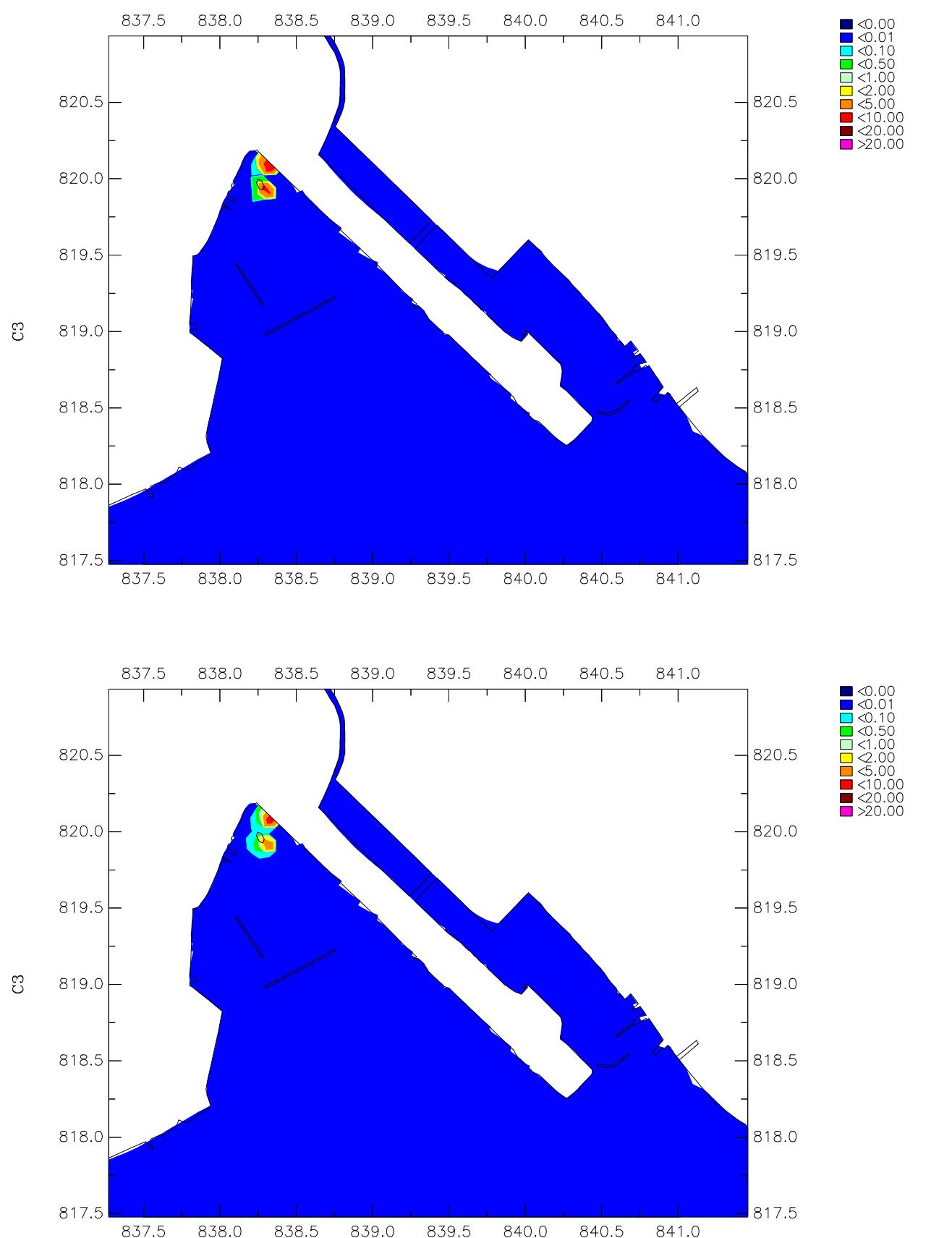
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SS Elevation (mg/L) – Highest High Water (2006/1/15 18:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C3-D-HHW-M1	

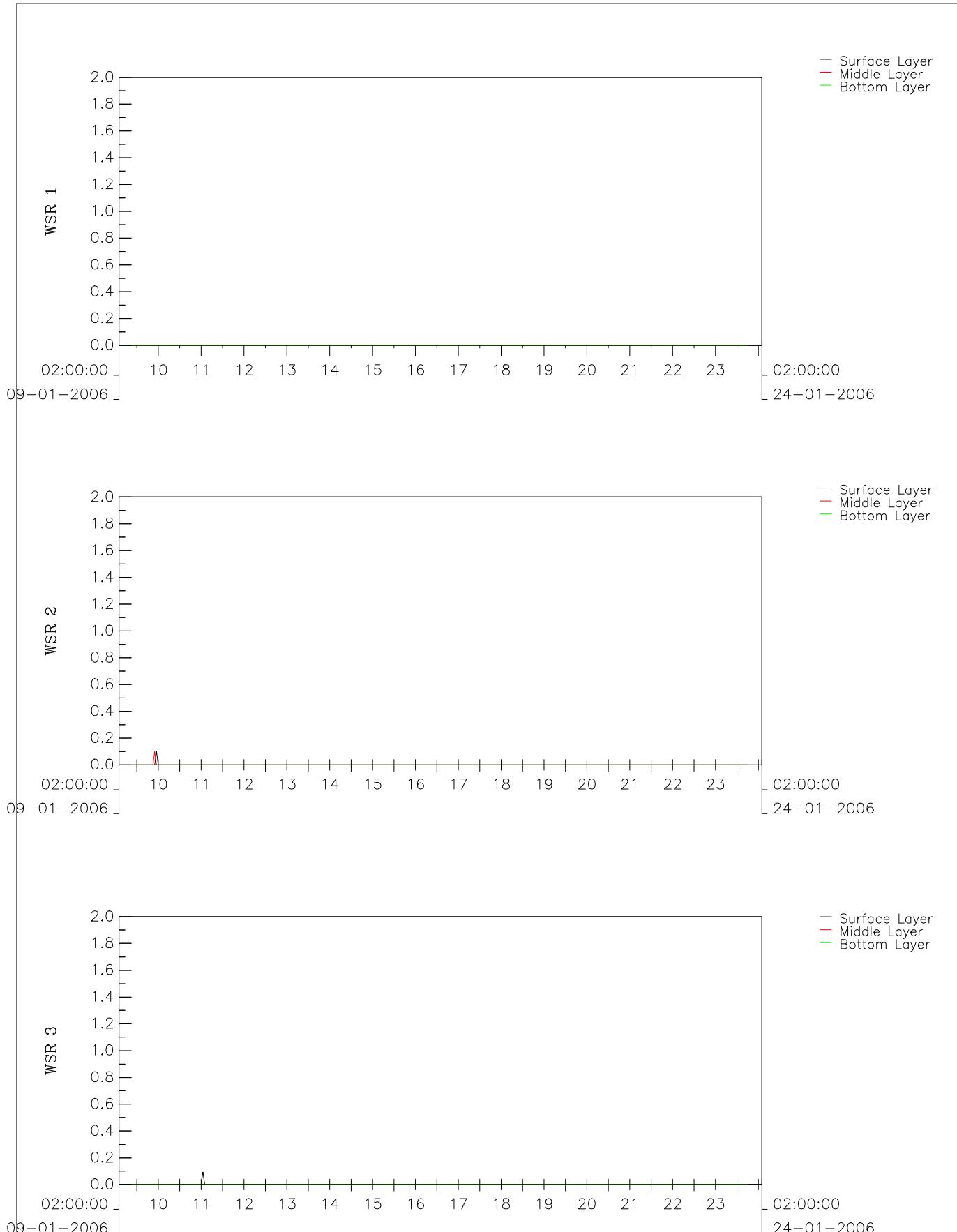
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SS Elevation (mg/L) – Lowest Low Water (2006/1/16 08:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
	Drawing: C3-D-LLW-M1

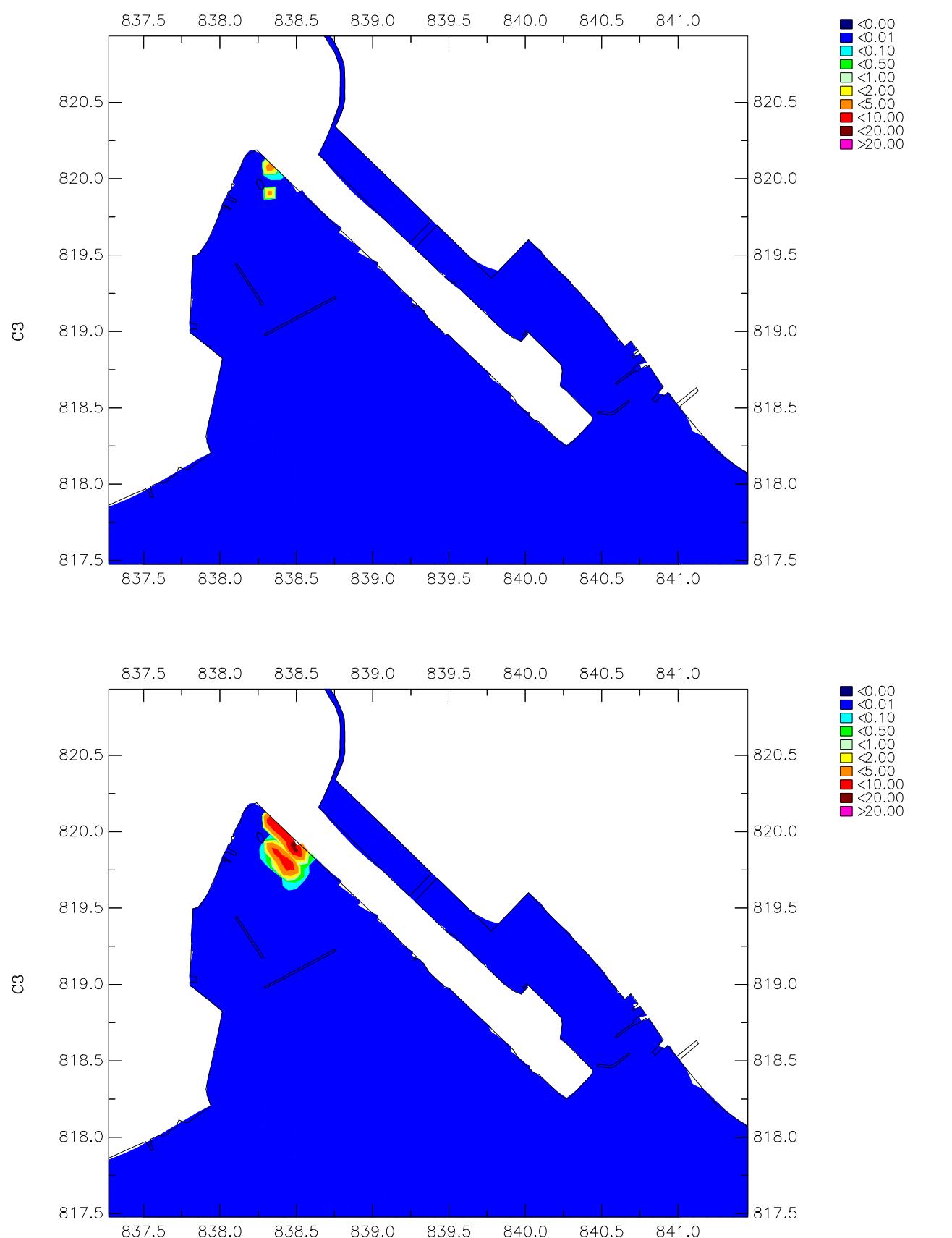
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SS Elevation (mg/L) – Time Series Plot
 Scenario C3
 With Silt Curtain

Dry Season	Mitigated
Drawing: C3-D-SST-M1	

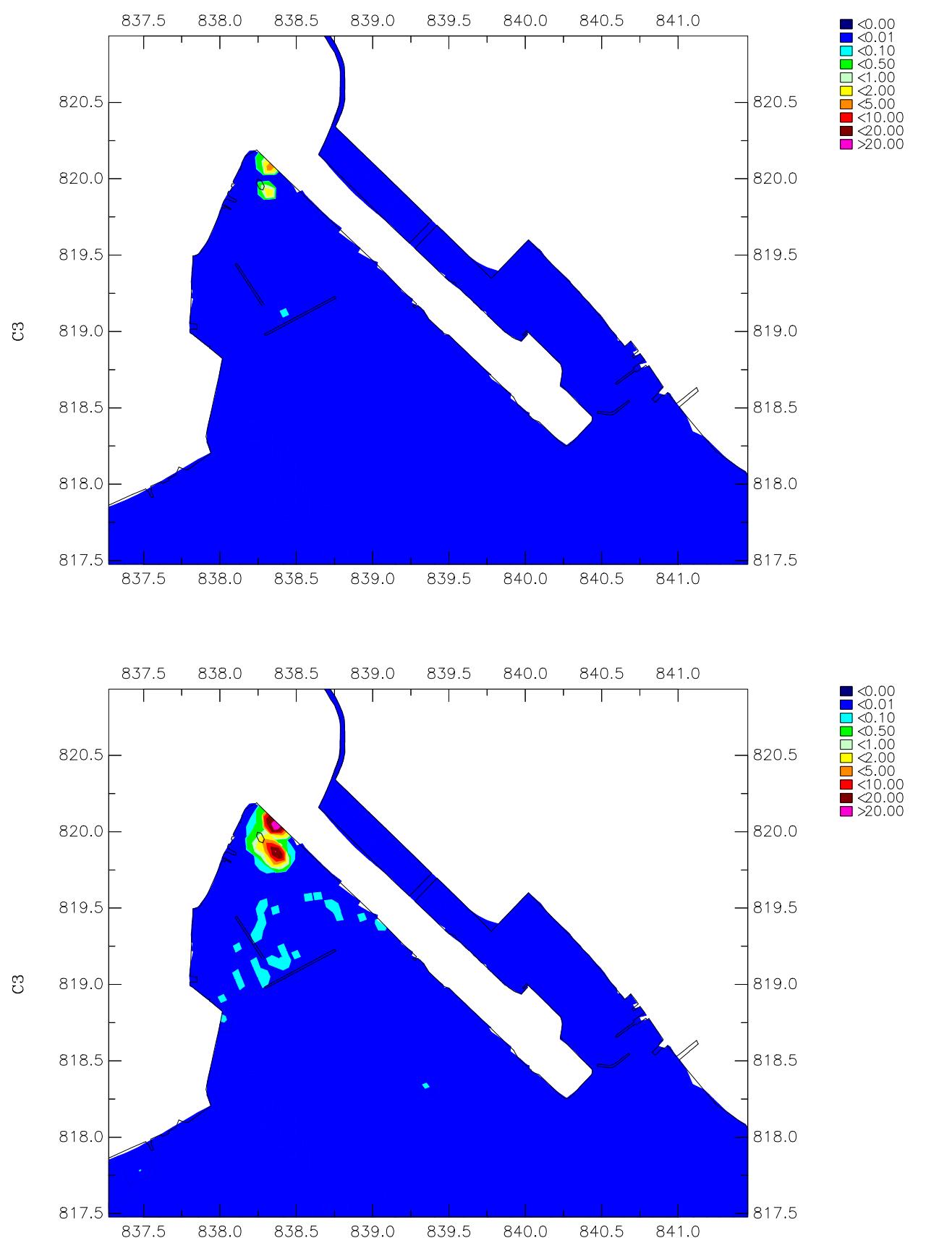
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SS Elevation (mg/L) – Spring Ebb Tide (2005/10/12 09:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C3-W-SET-M1	

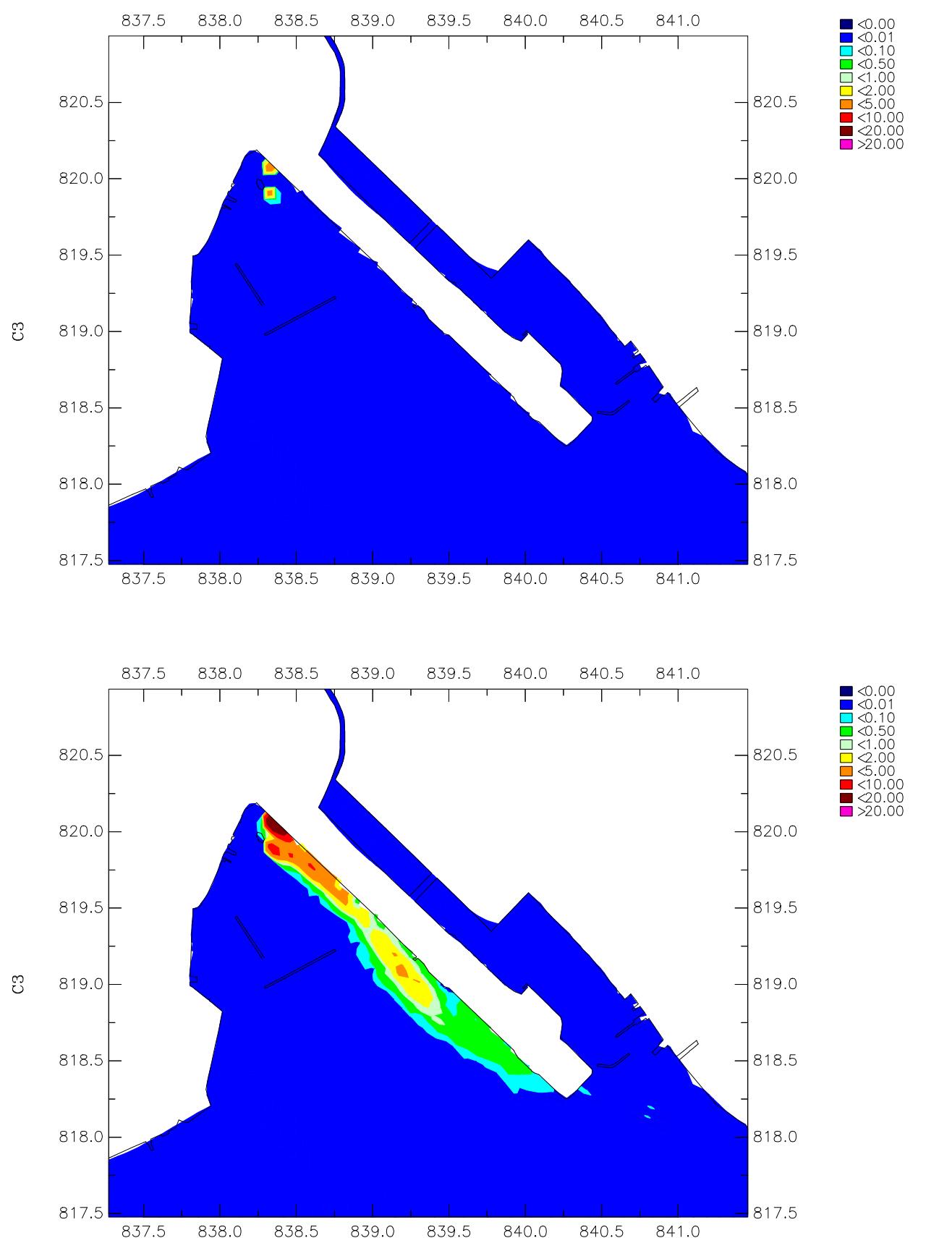
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SS Elevation (mg/L) – Spring Flood Tide (2005/10/11 12:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C3-W-SFT-M1	

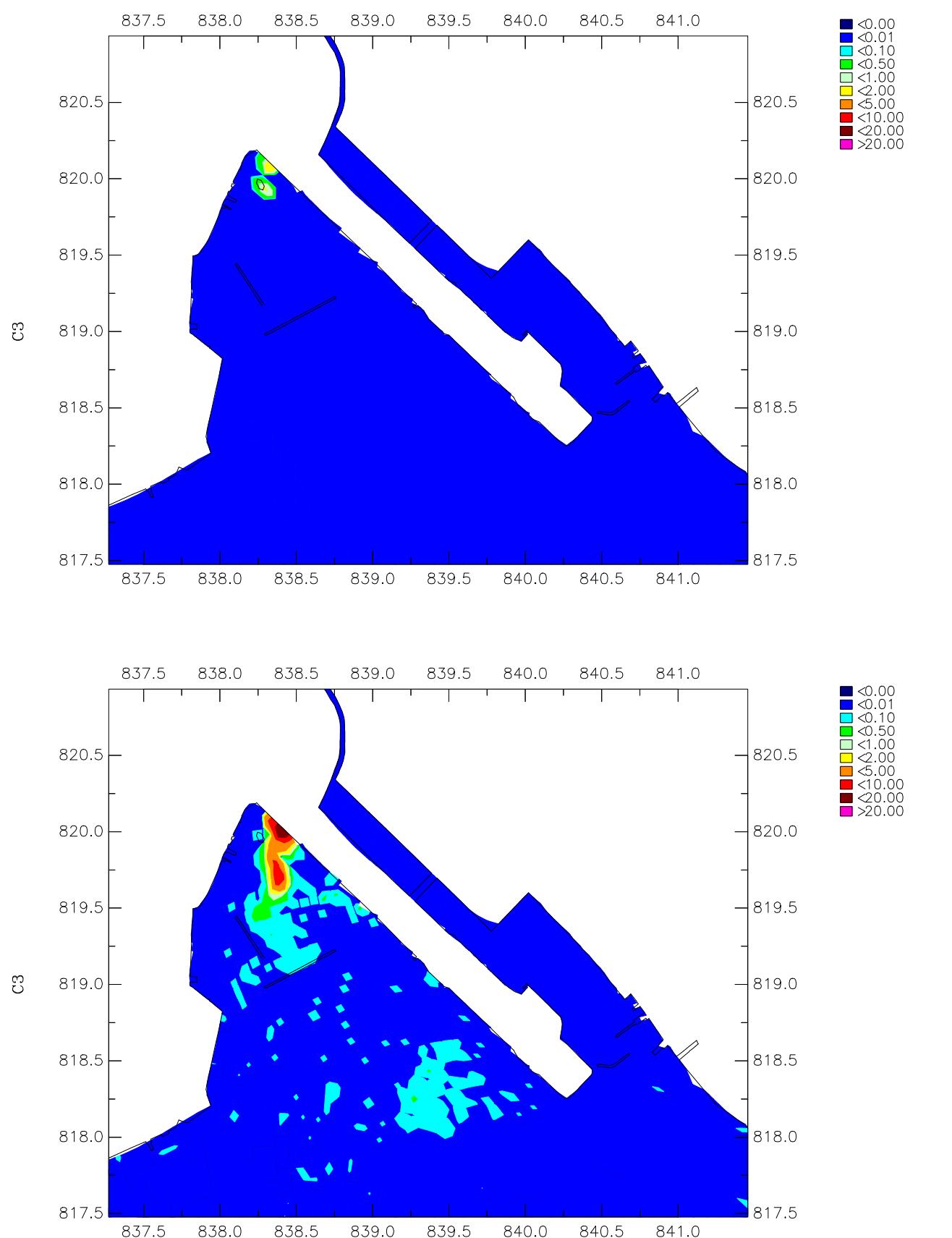
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SS Elevation (mg/L) – Neap Ebb Tide (2005/10/03 18:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C3-W-NET-M1	

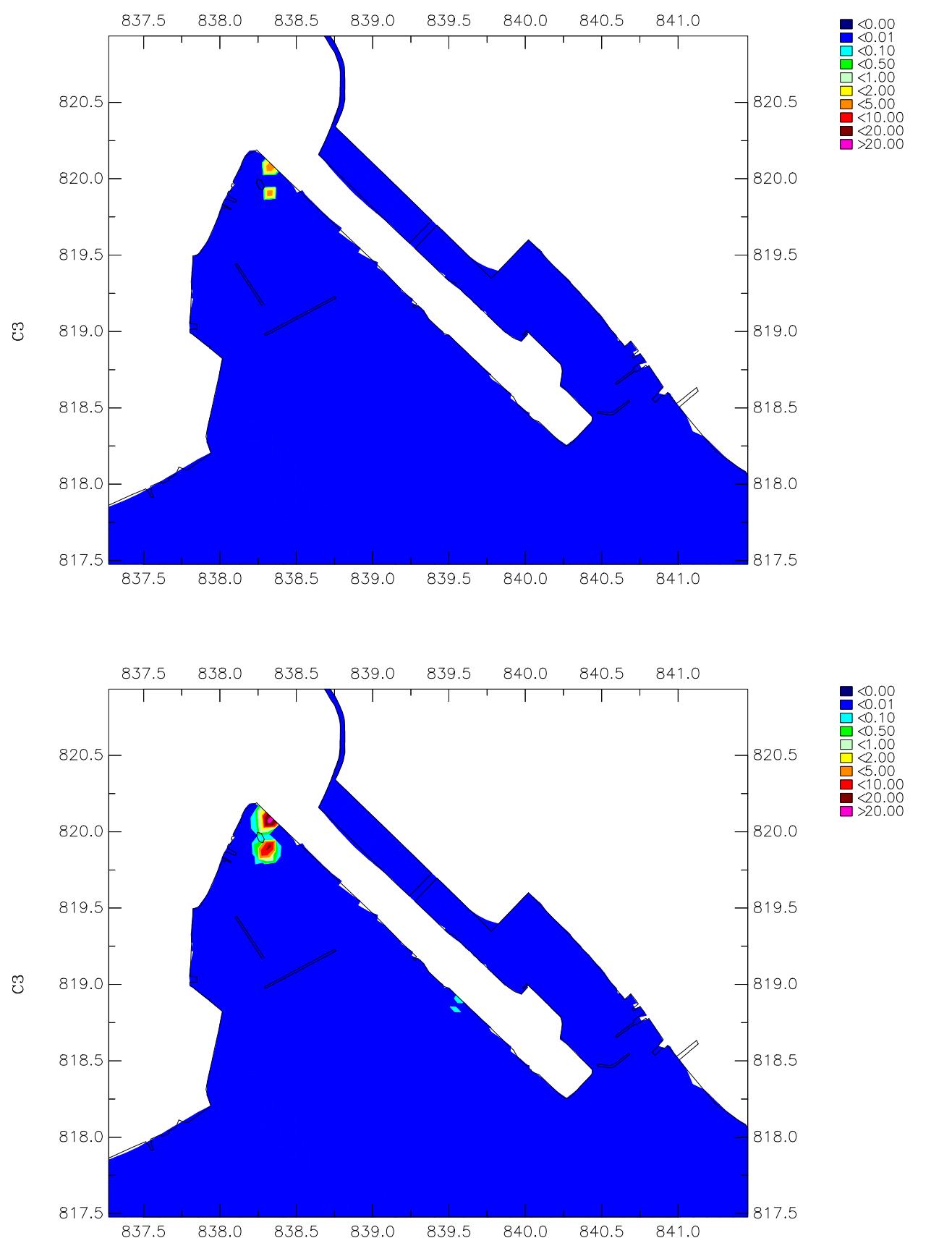
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SS Elevation (mg/L) – Neap Flood Tide(2005/10/3 18:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C3-W-NFT-M1	

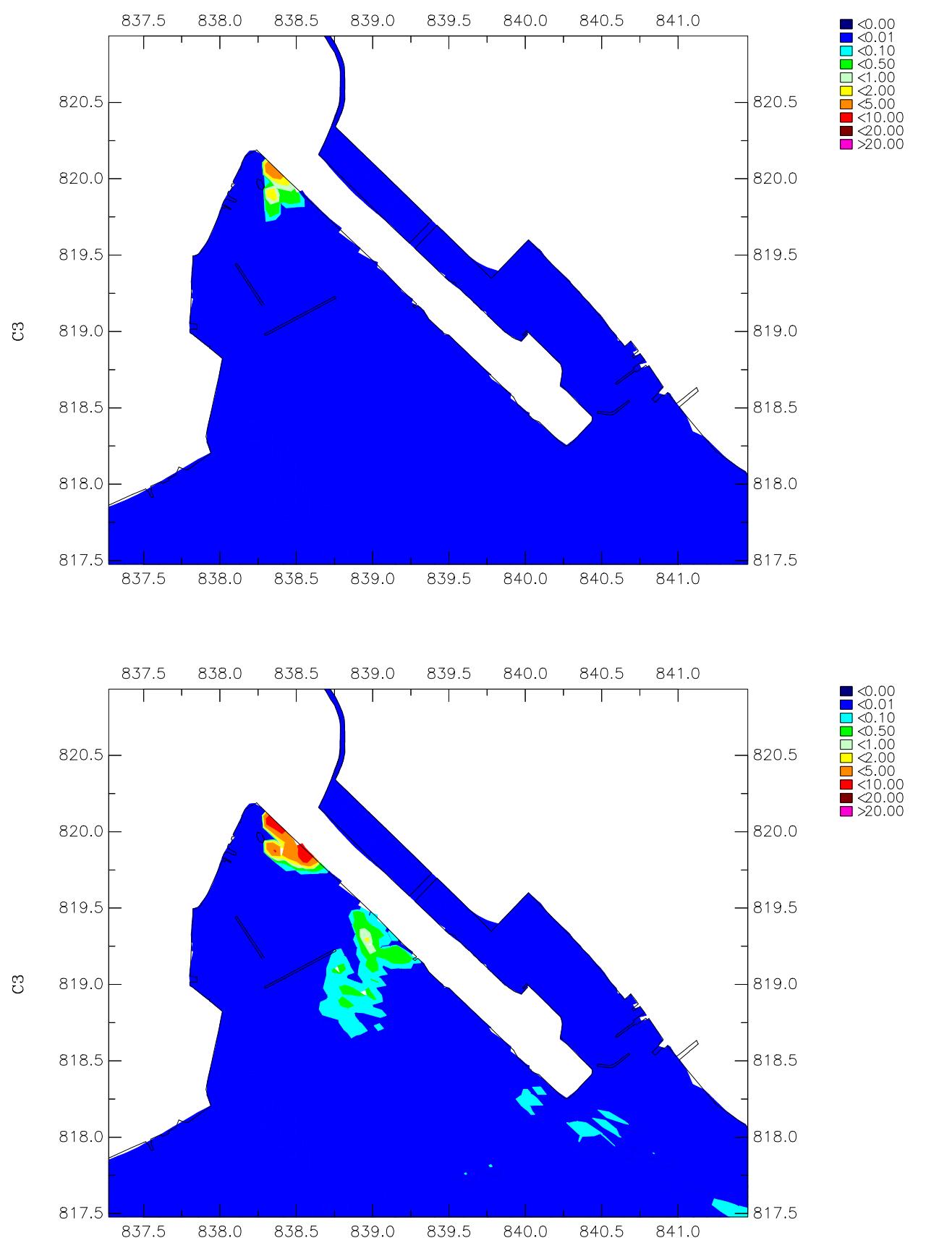
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SS Elevation (mg/L) – Highest High Water (2005/10/13 08:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
	Drawing: C3-W-HHW-M1

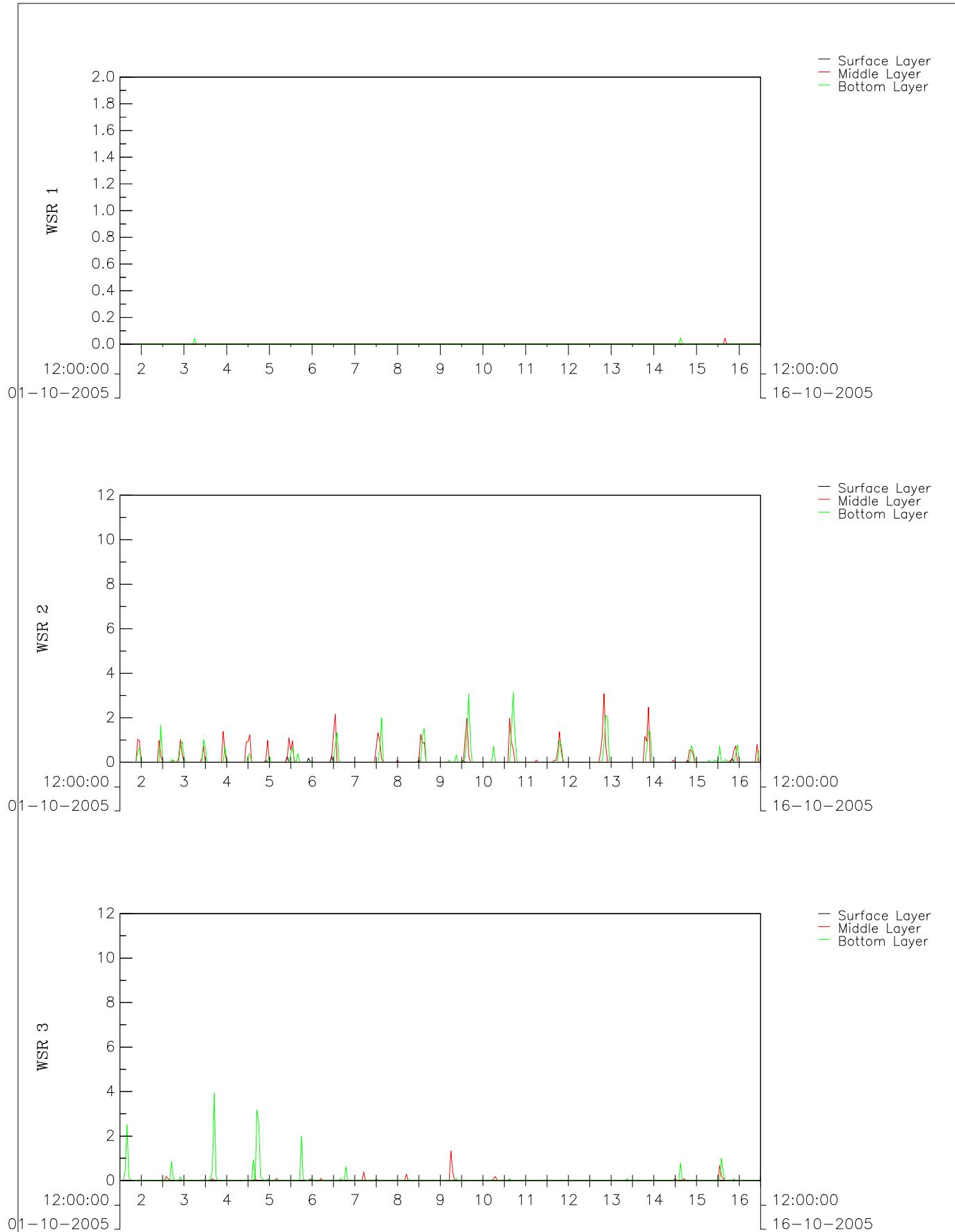
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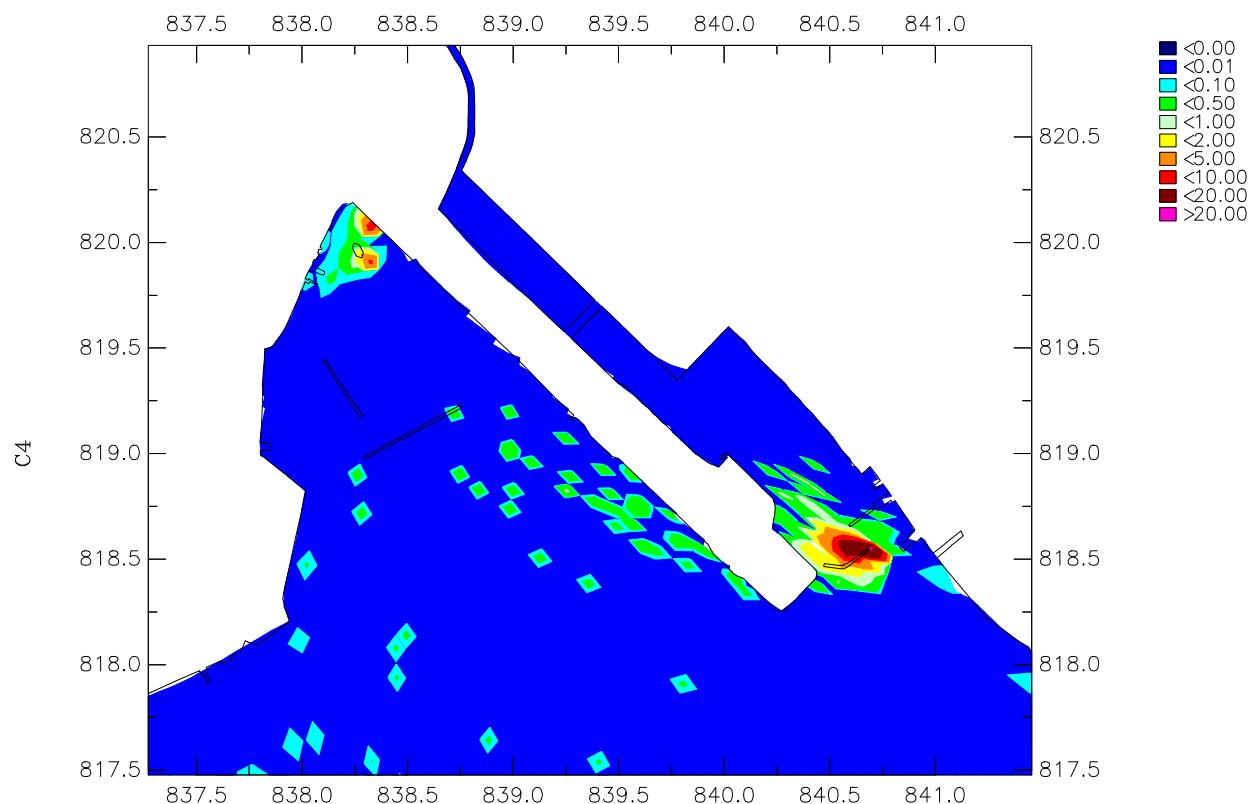
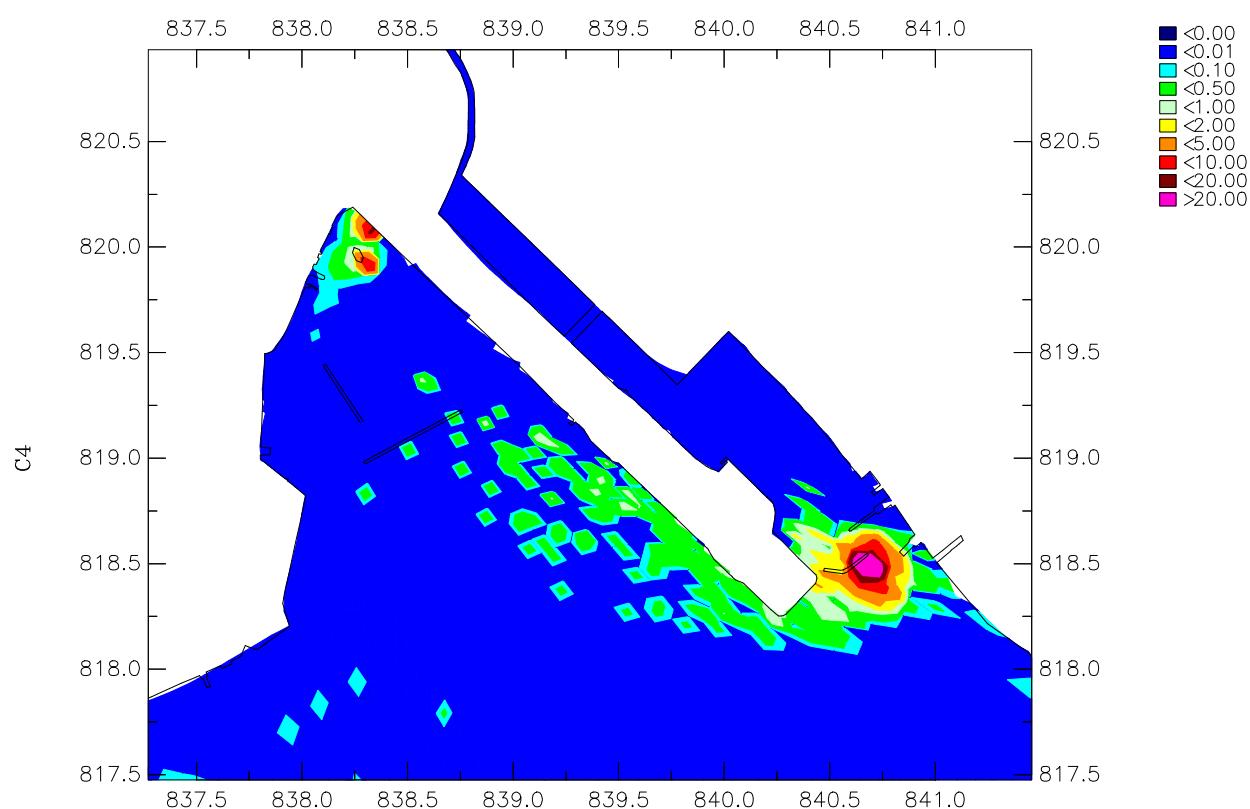
SS Elevation (mg/L) – Lowest Low Water (2005/10/14 12:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
	Drawing: C3-W-LLW-M1

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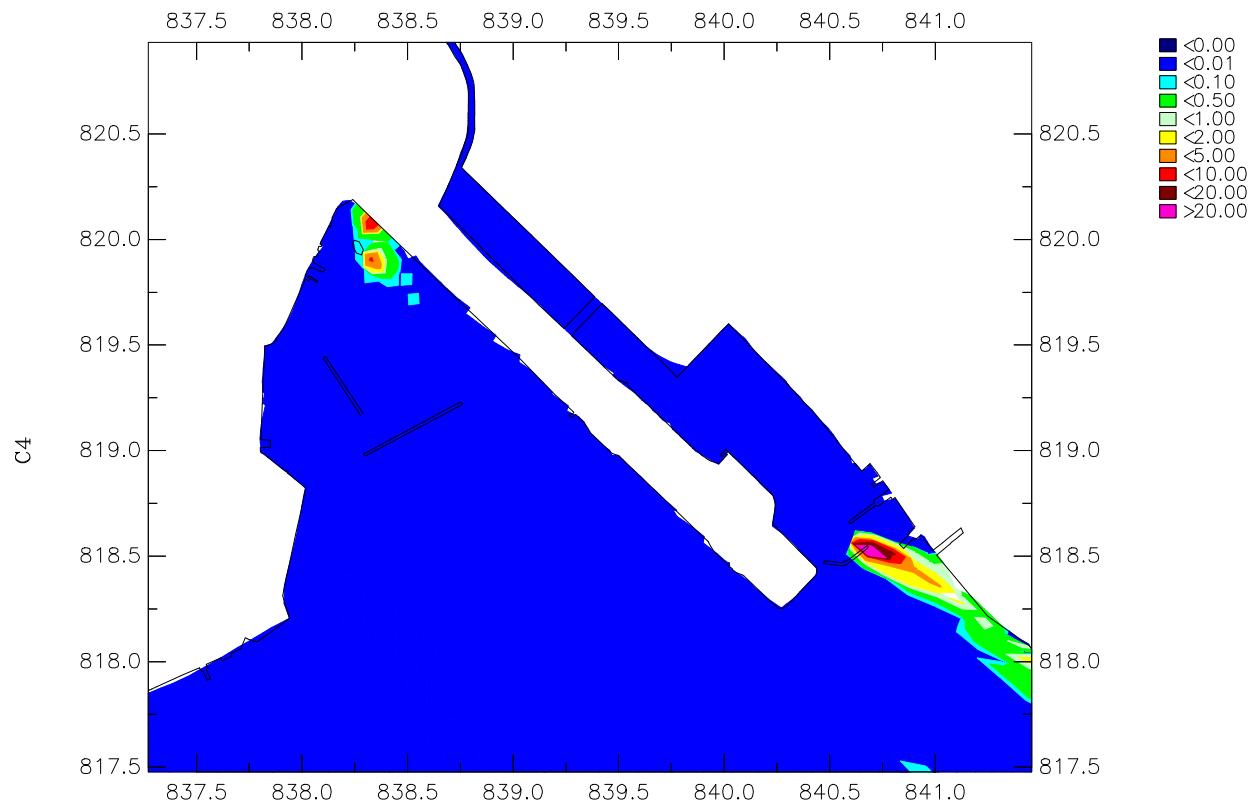
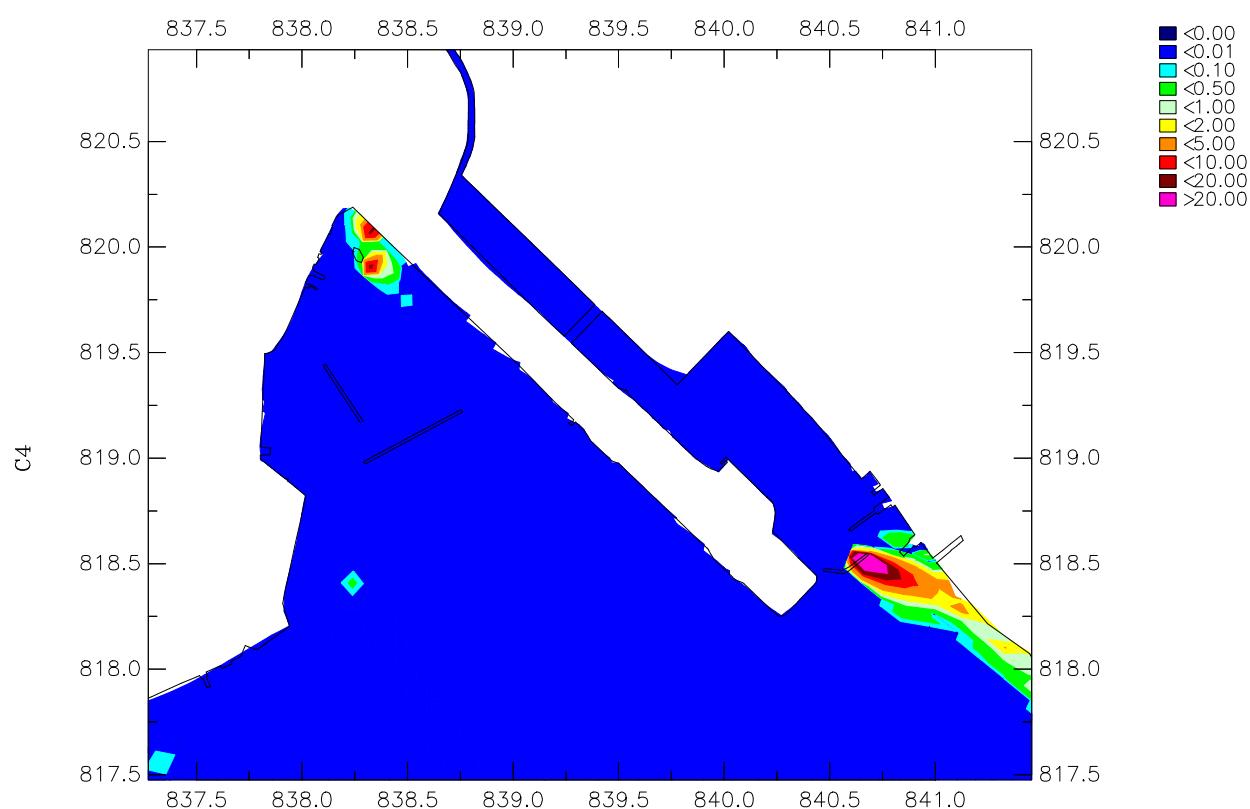
SS Elevation (mg/L) – Time Series Plot Scenario C3 With Silt Curtain	Wet Season	Mitigated
	Drawing: C3-W-SST-M1	
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SS Elevation (mg/L) – Spring Ebb Tide (2006/1/12 19:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C4-D-SET-M1	

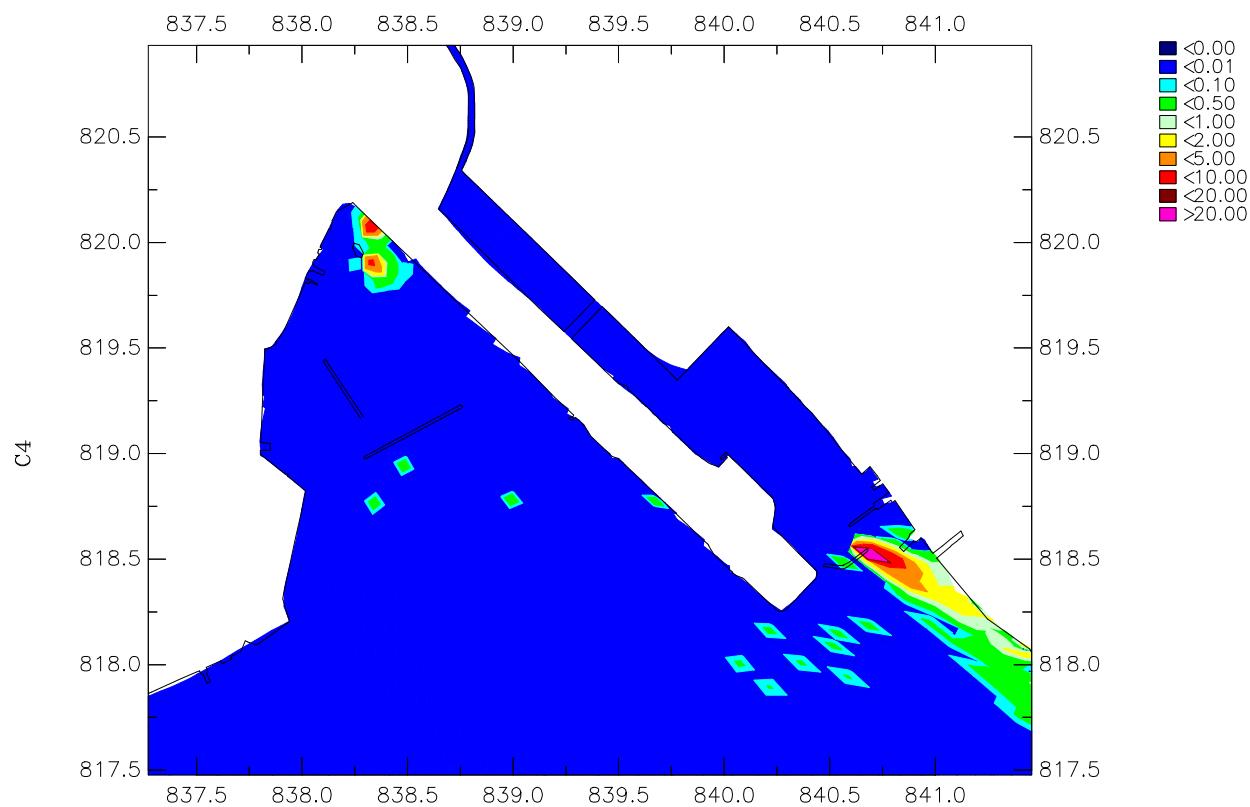
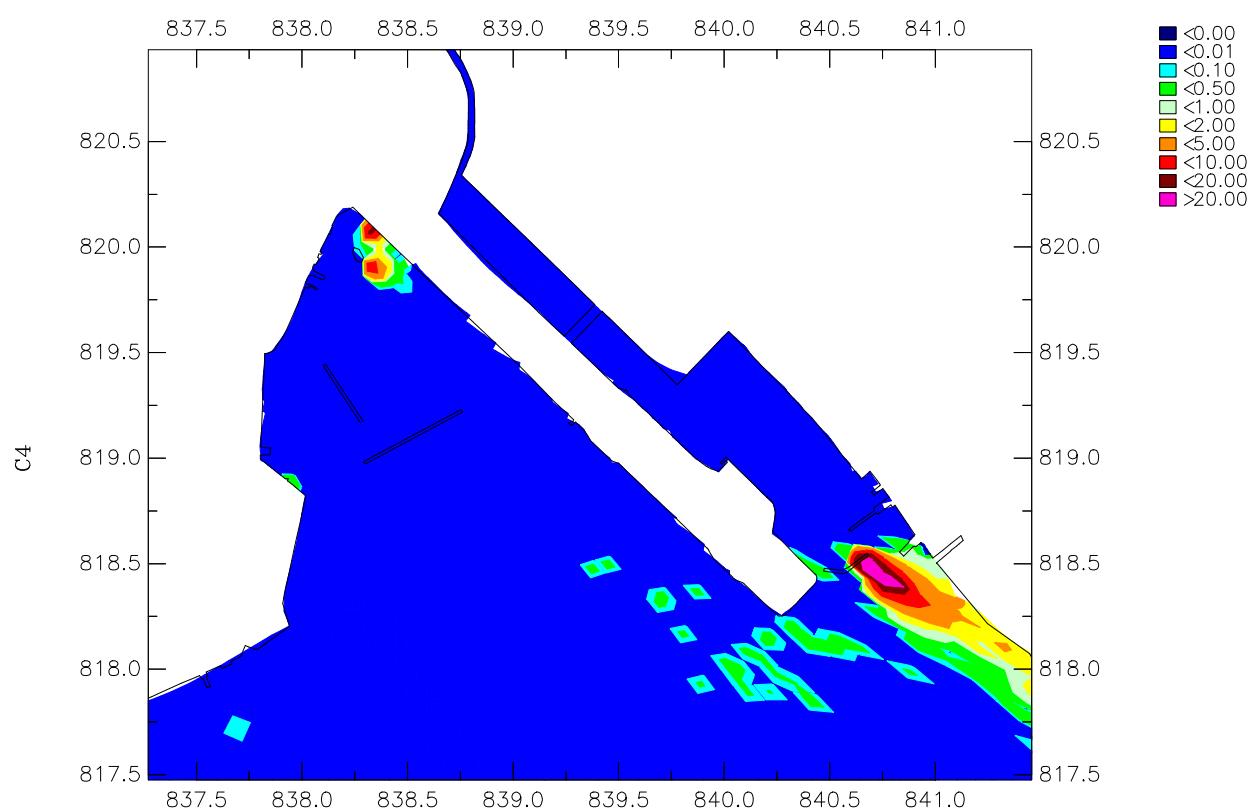
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SS Elevation (mg/L) – Spring Flood Tide (2006/1/13 14:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C4-D-SFT-M1	

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SS Elevation (mg/L) – Neap Ebb Tide (2006/1/22 18:00)

Scenario C4 with Silt Curtain

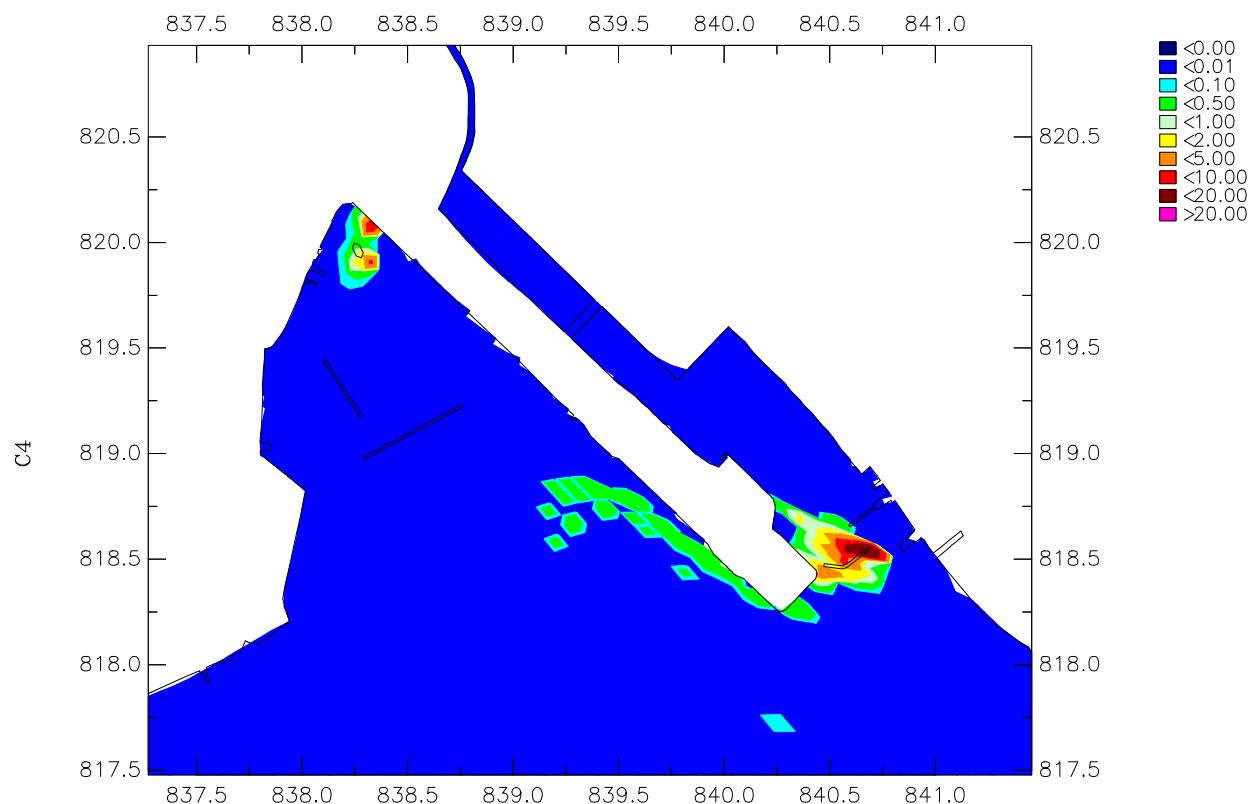
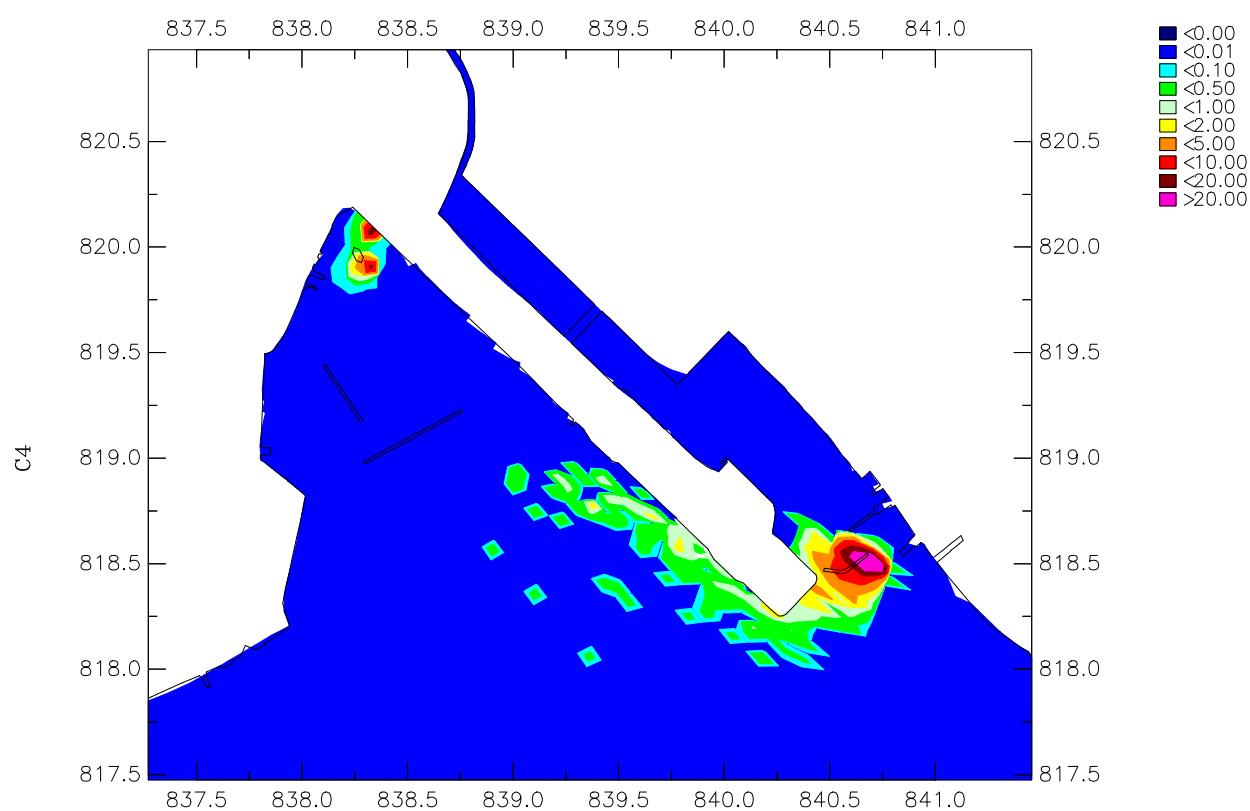
Upper: Surface layer; Lower: Bottom Layer

Dry Season

Mitigated

Drawing: C4-D-NET-M1

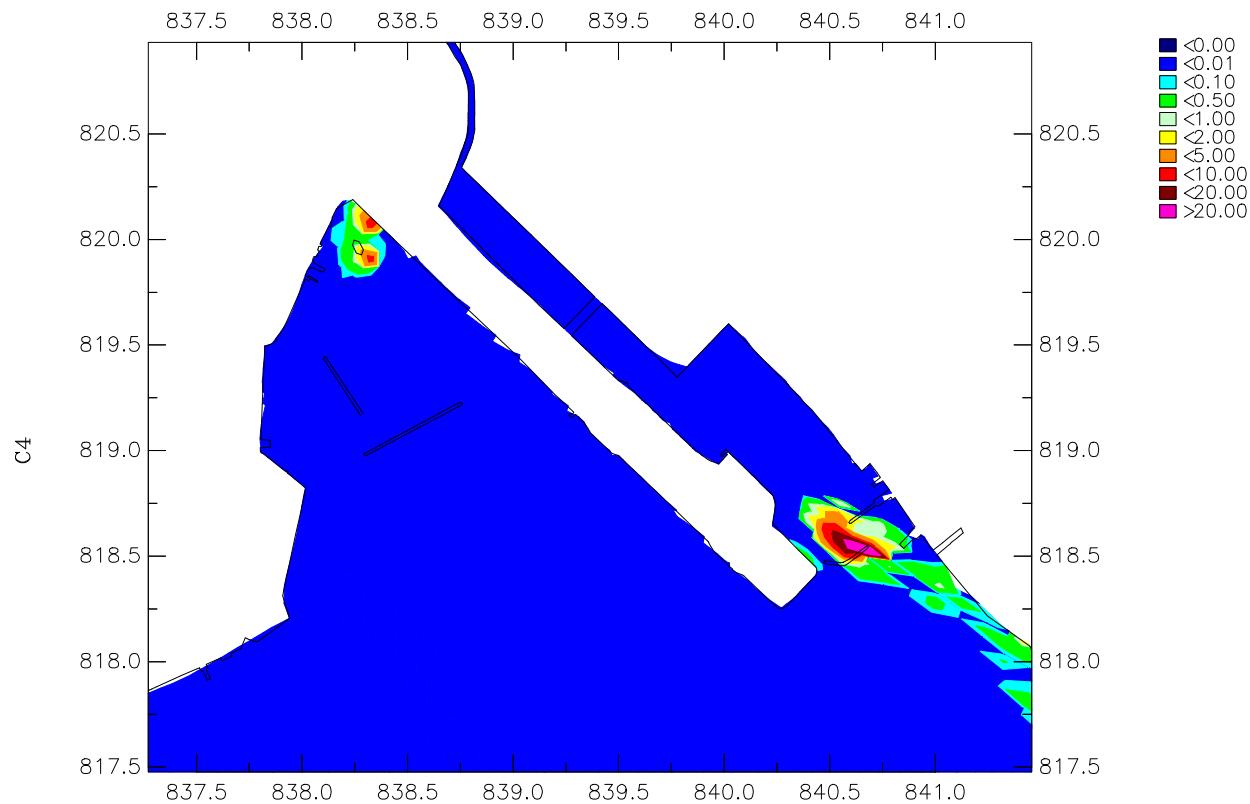
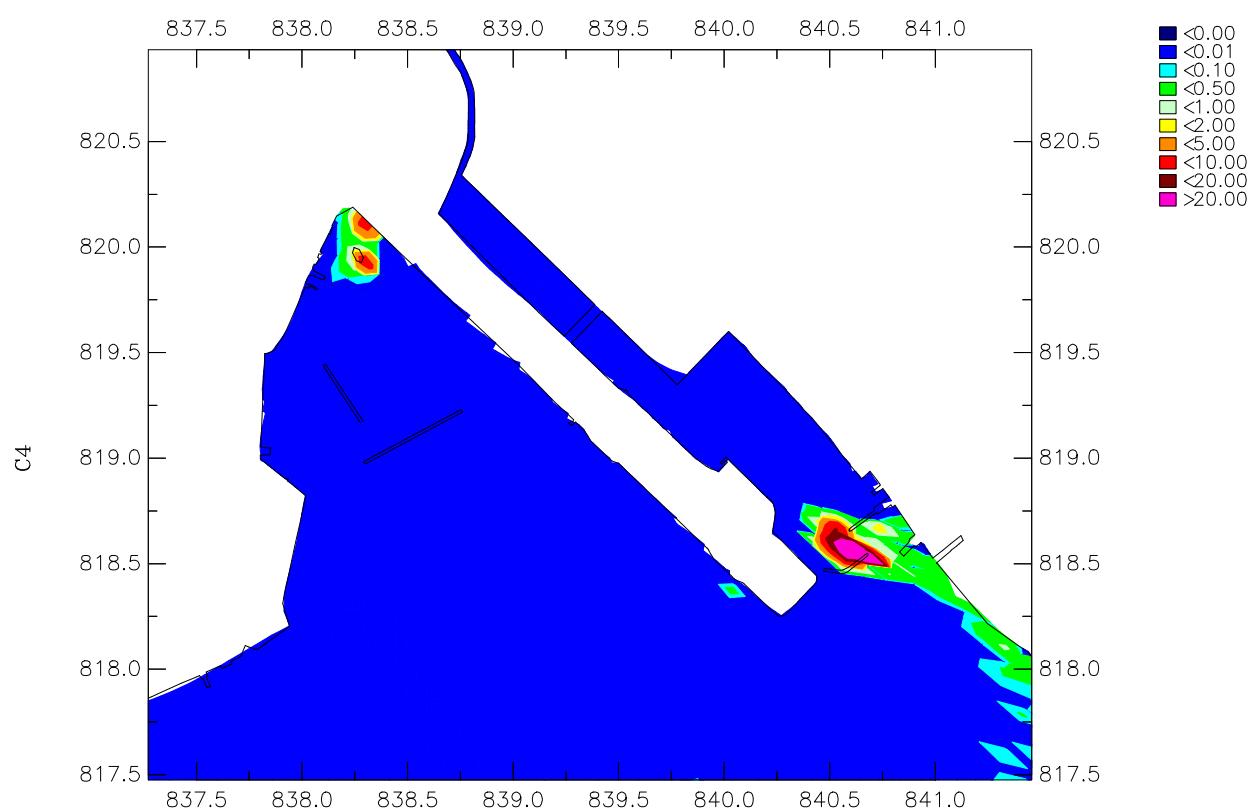
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SS Elevation (mg/L) – Neap Flood Tide (2006/1/22 11:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C4-D-NFT-M1	

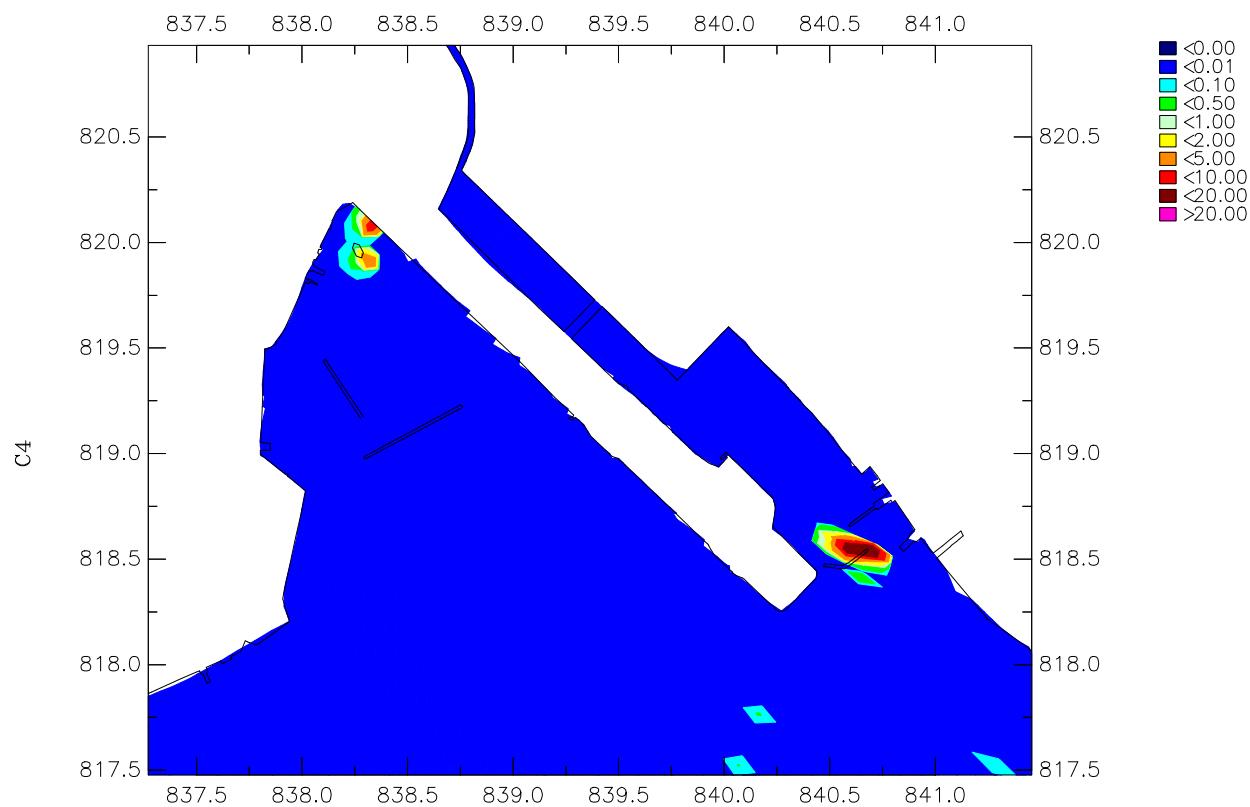
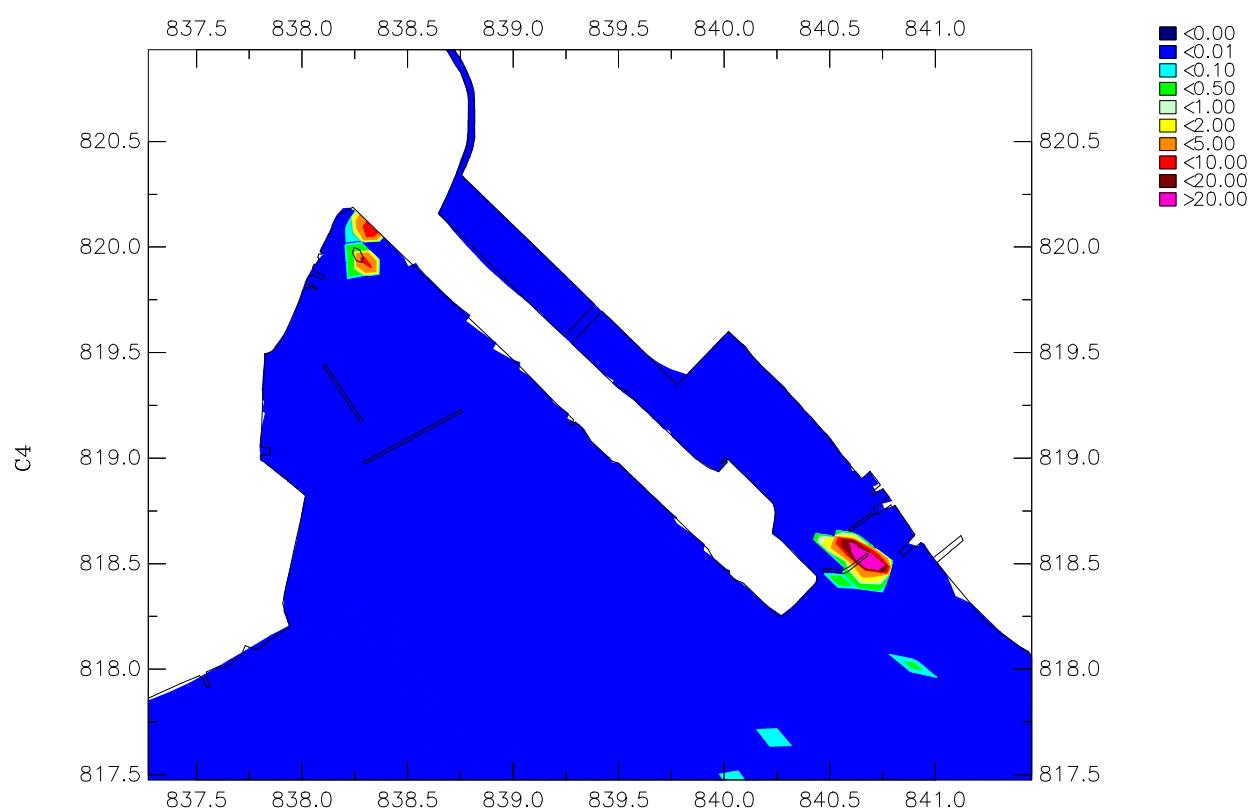
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SS Elevation (mg/L) – Highest High Water (2006/1/15 18:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C4-D-HHW-M1	

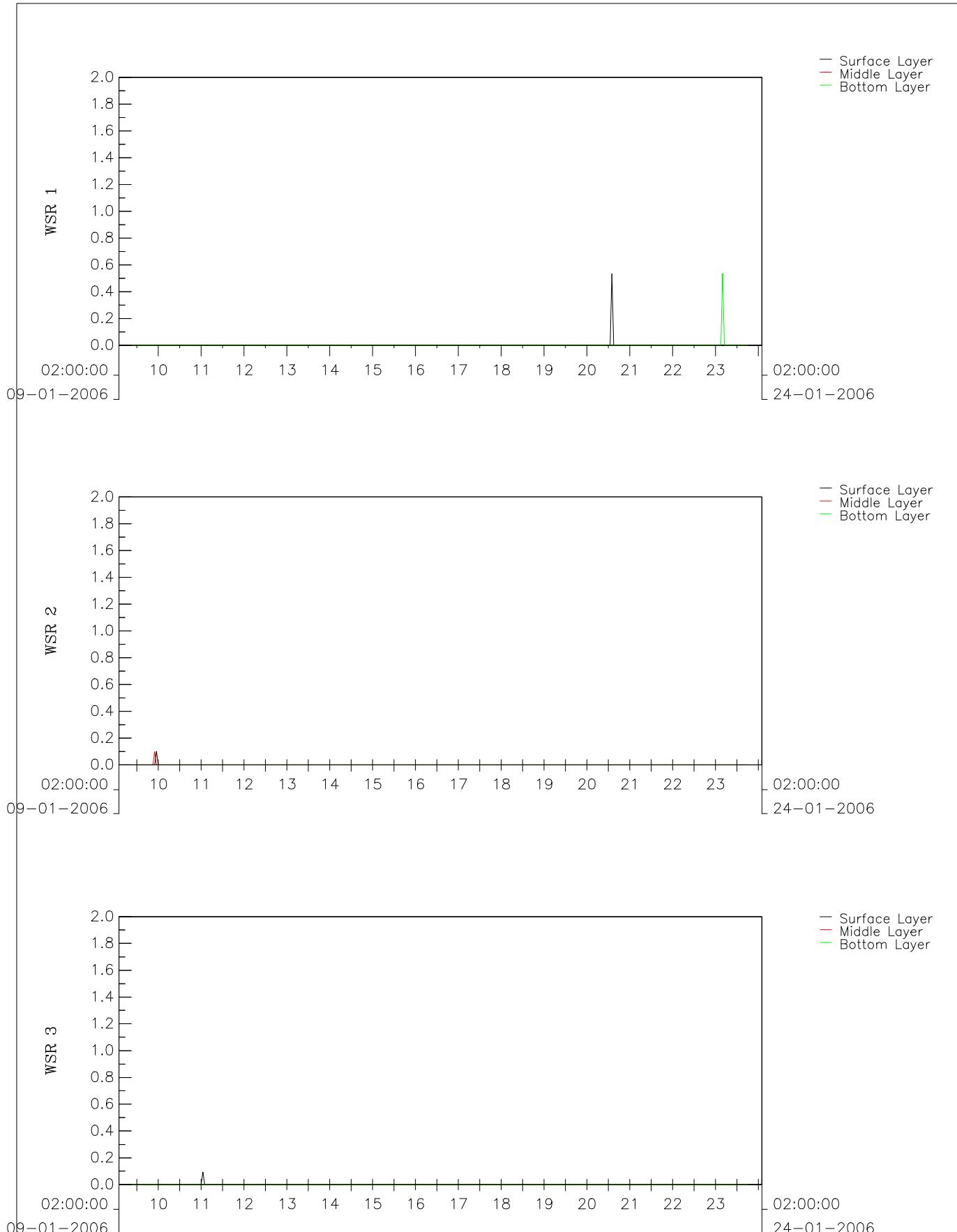
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SS Elevation (mg/L) – Lowest Low Water (2006/1/16 08:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Dry Season	Mitigated
Drawing: C4-D-LLW-M1	

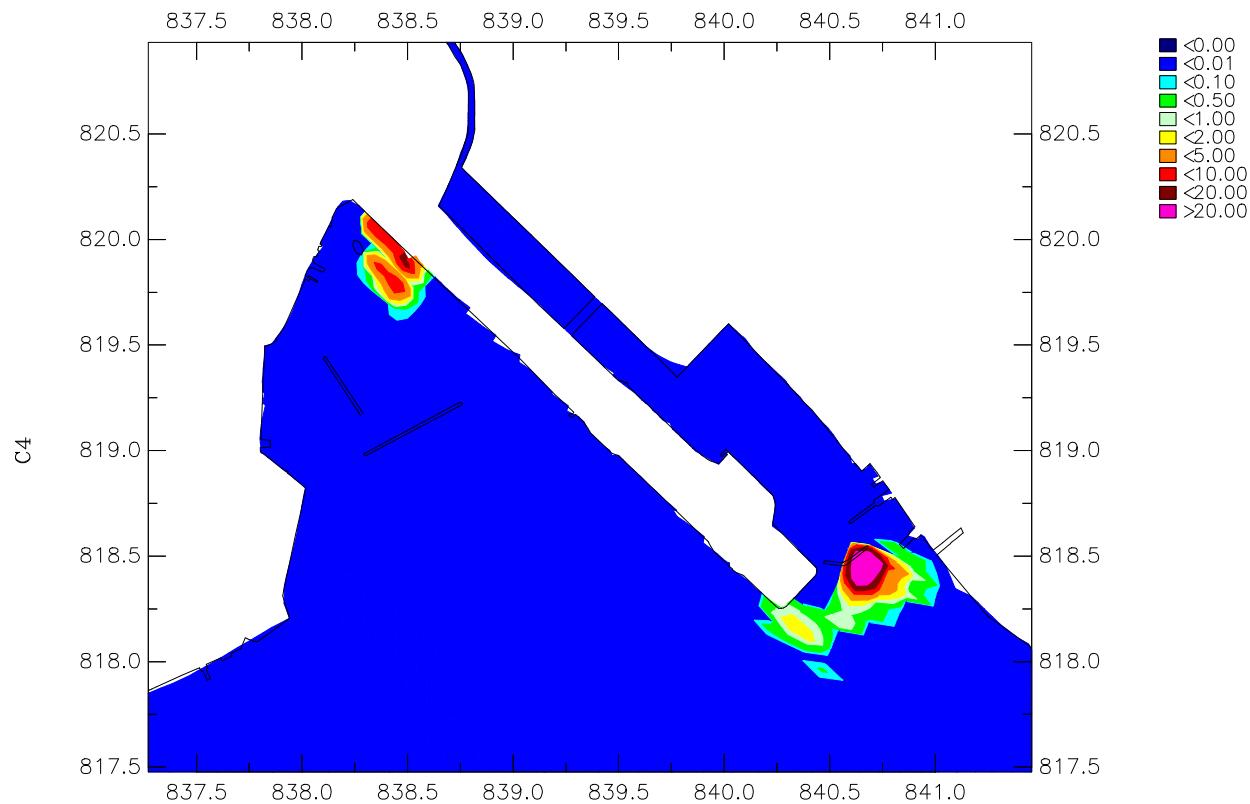
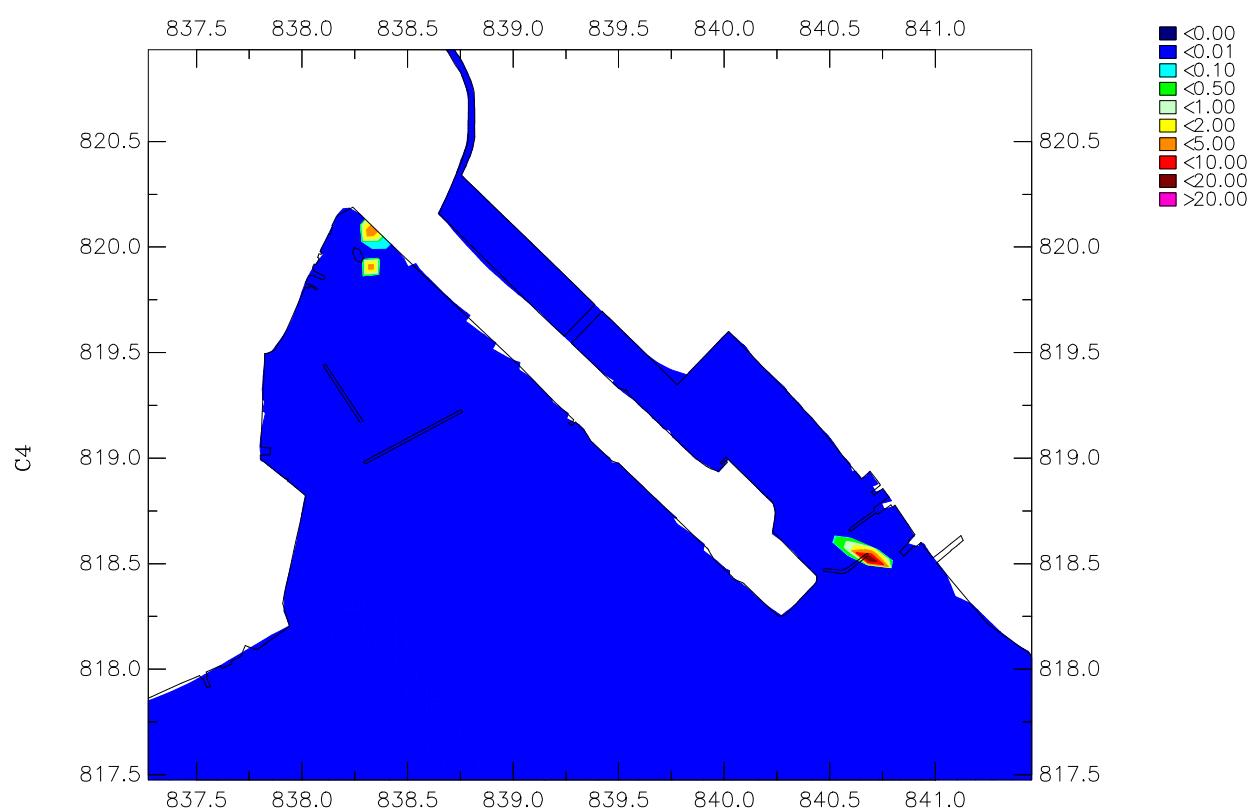
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SS Elevation (mg/L) – Time Series Plot
Scenario C4
With Silt Curtain

Dry Season	Mitigated
Drawing: C4-D-SST-M1	

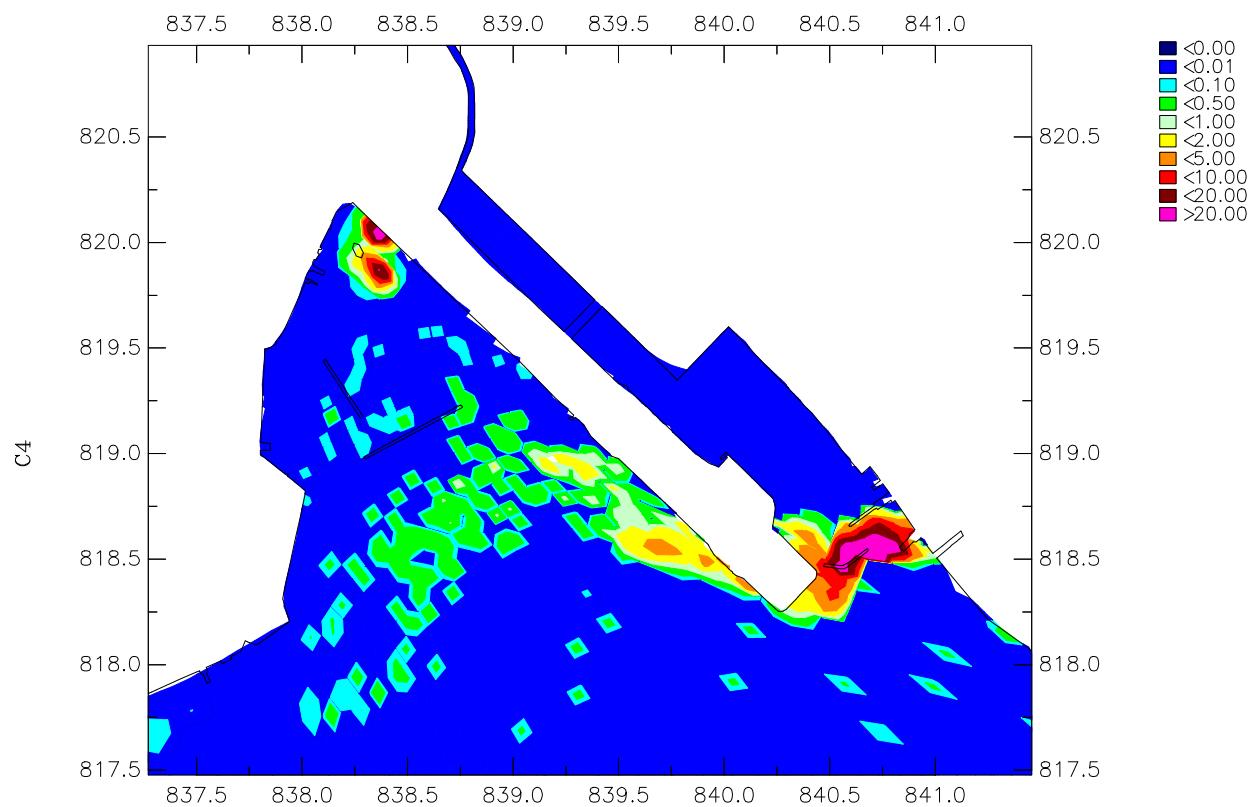
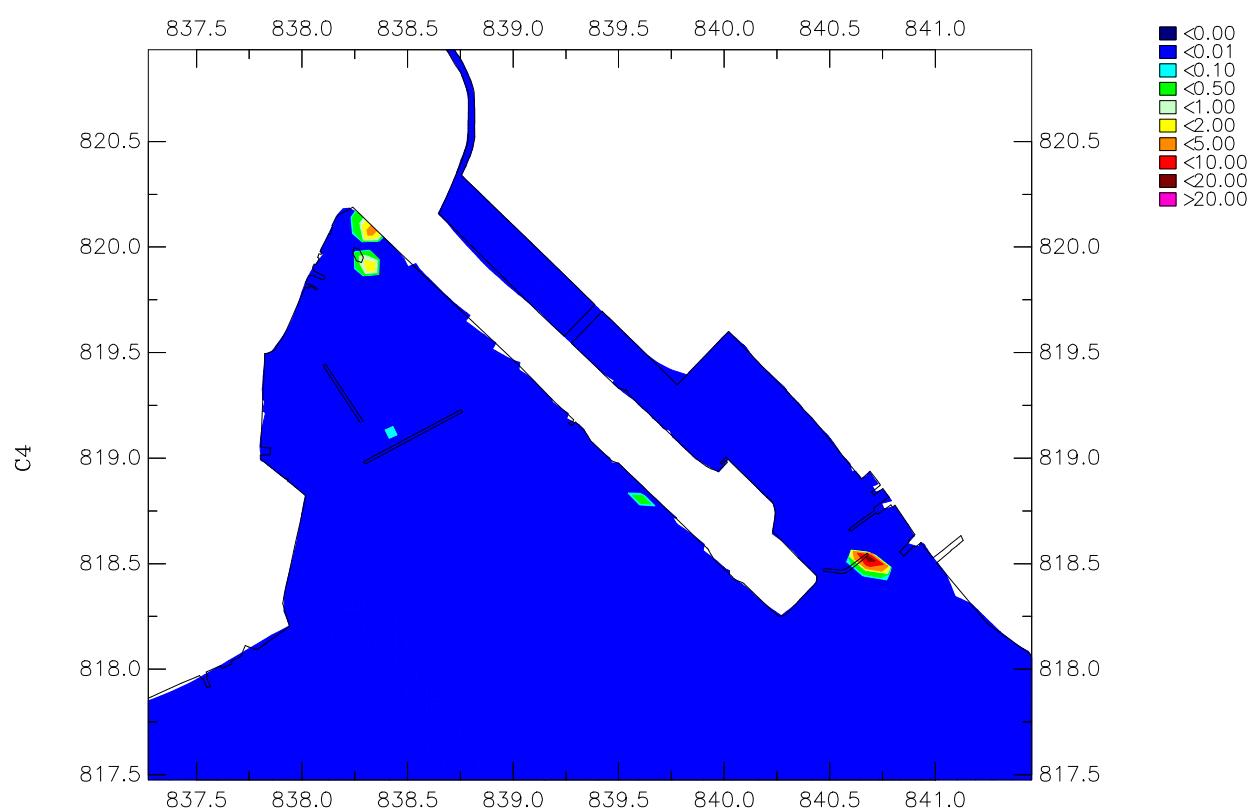
ARUP



SS Elevation (mg/L) – Spring Ebb Tide (2005/10/12 09:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C4-W-SET-M1	

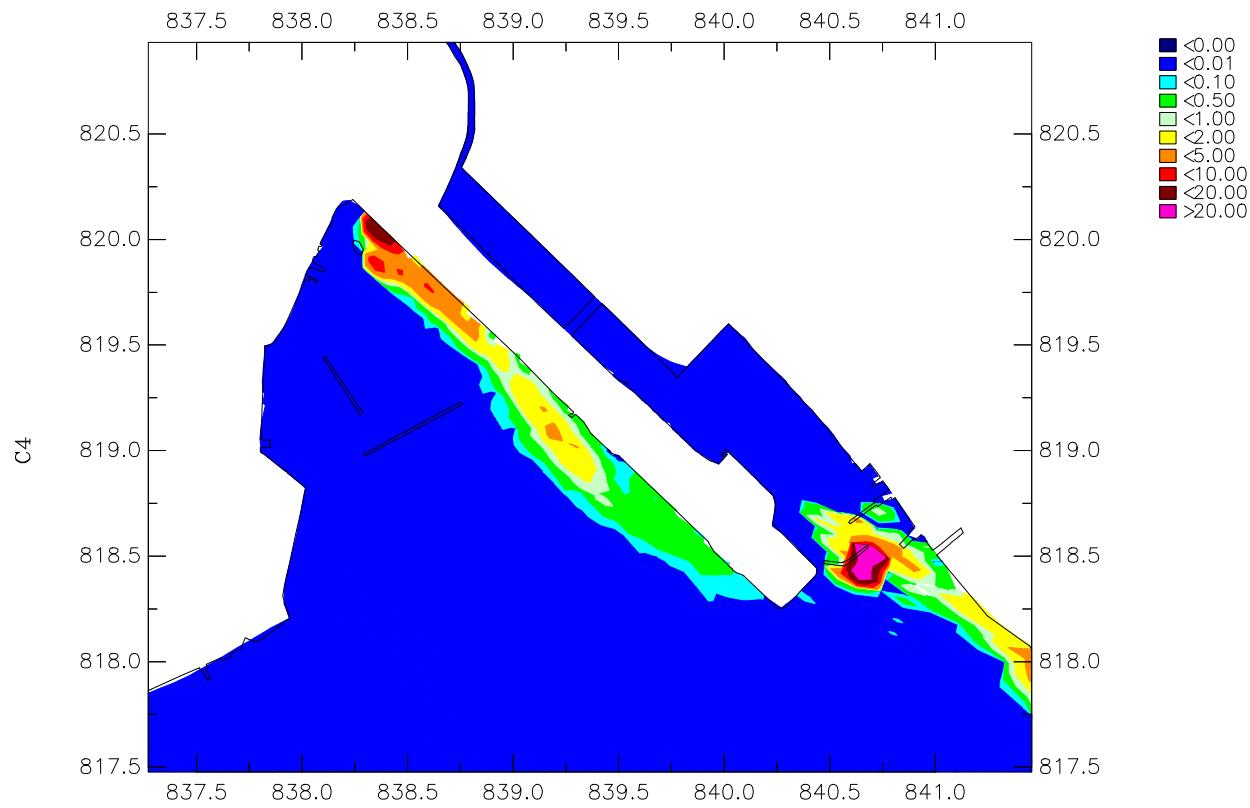
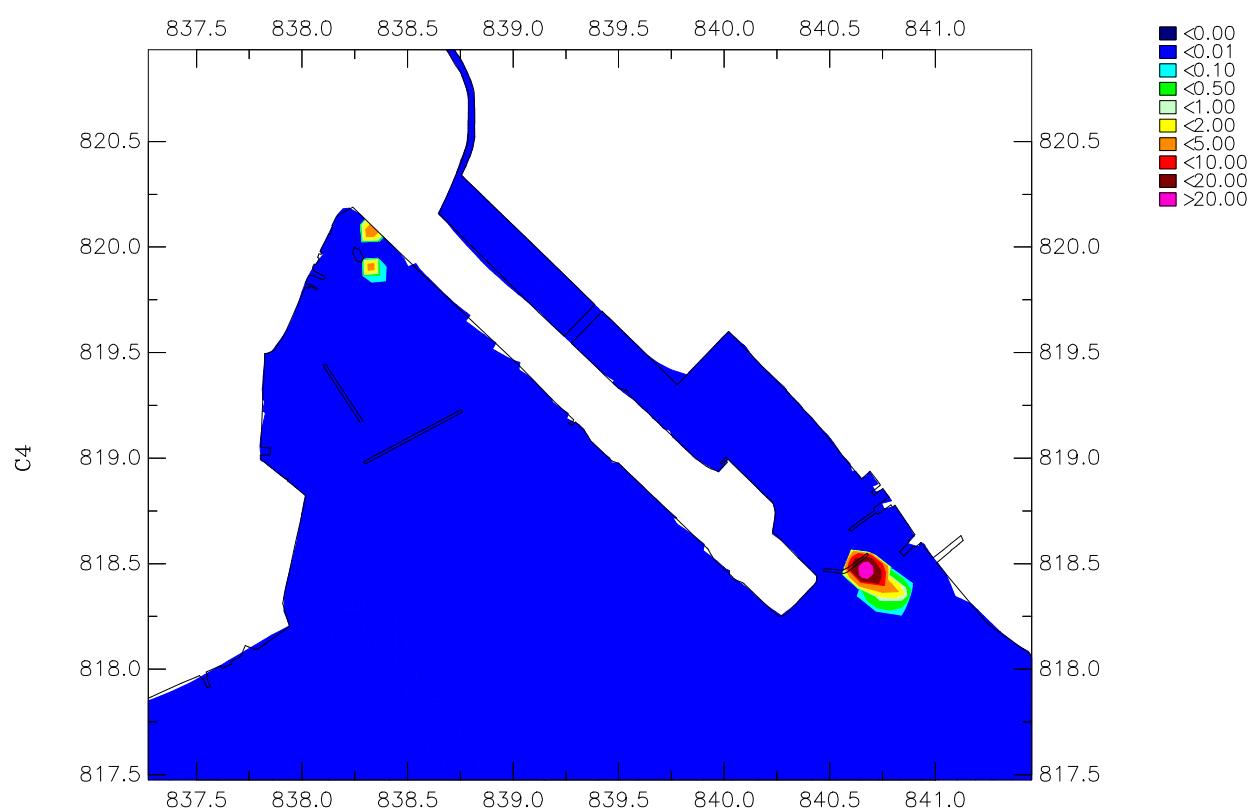
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SS Elevation (mg/L) – Spring Flood Tide (2005/10/11 12:00)
 Scenario C3 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C4-W-SFT-M1	

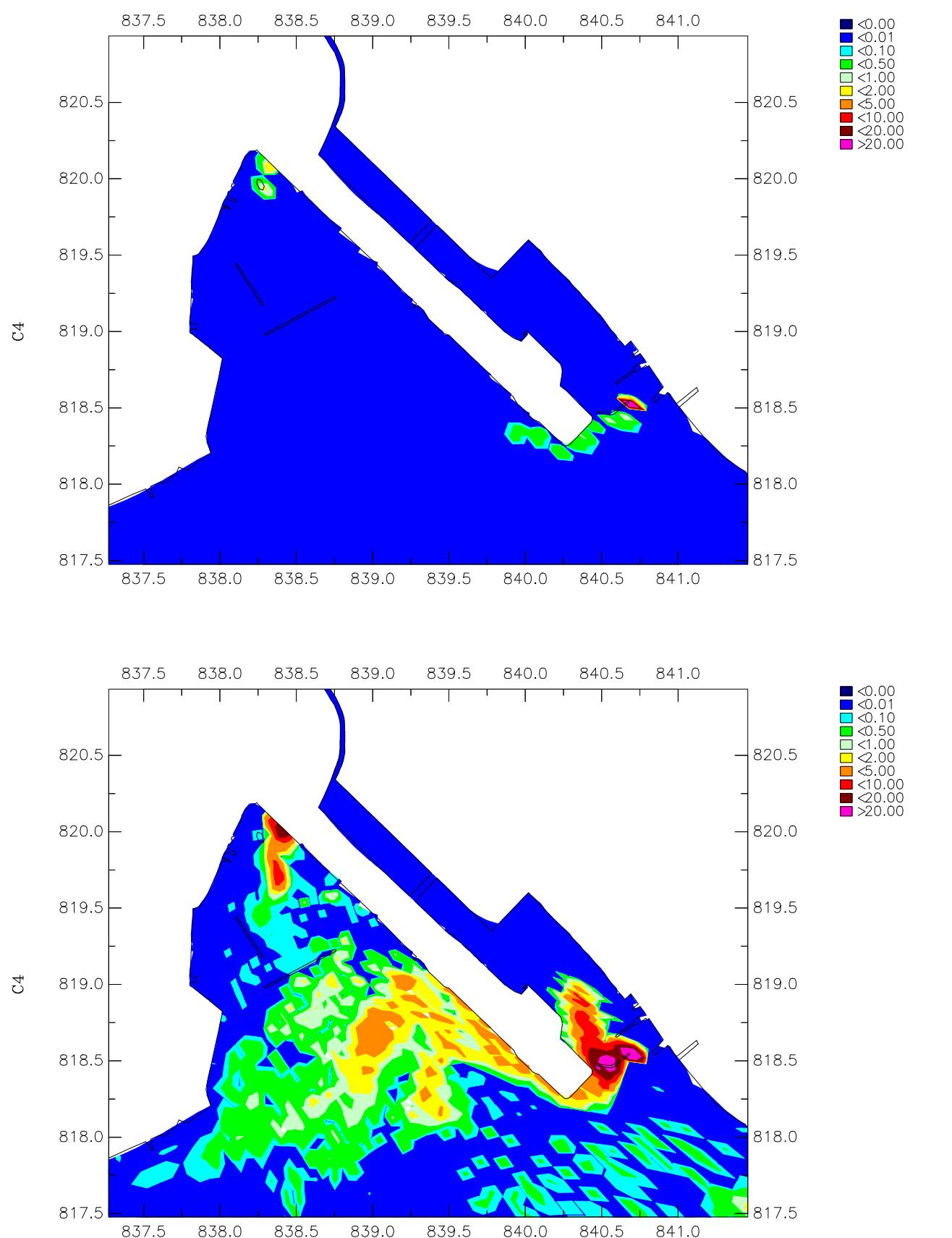
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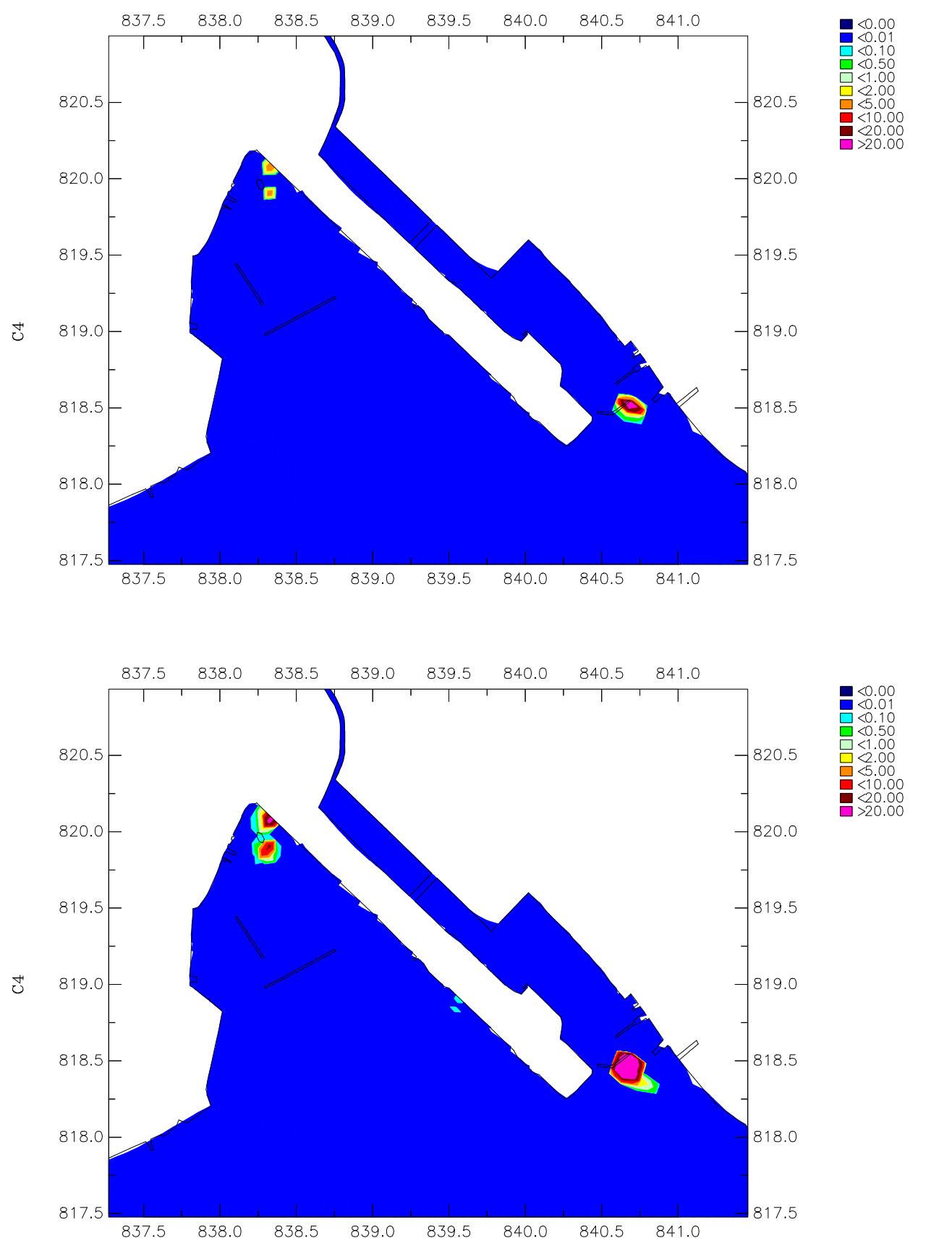
SS Elevation (mg/L) – Neap Ebb Tide (2005/10/3 12:00)
 Scenario C4 with Silt Curtain
 Upper: Surface layer; Lower: Bottom Layer

Wet Season	Mitigated
Drawing: C4-W-NET-M1	

ARUP



SS Elevation (mg/L) – Neap Flood Tide (2005/10/3 18:00) Scenario C4 with Silt Curtain Upper: Surface layer; Lower: Bottom Layer	Wet Season	Mitigated
Drawing: C4-W-NFT-M1		
ARUP		



SS Elevation (mg/L) – Highest High Water (2005/10/13 08:00)

Scenario C4 with Silt Curtain

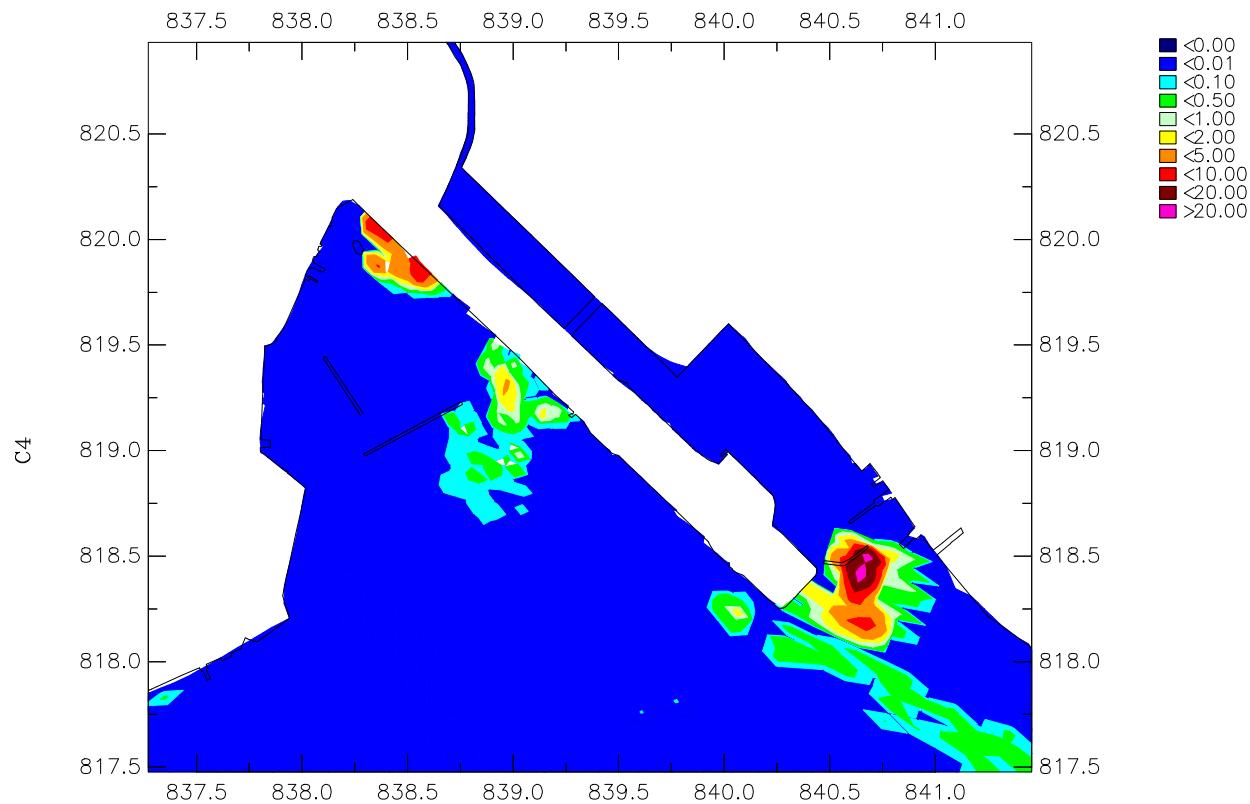
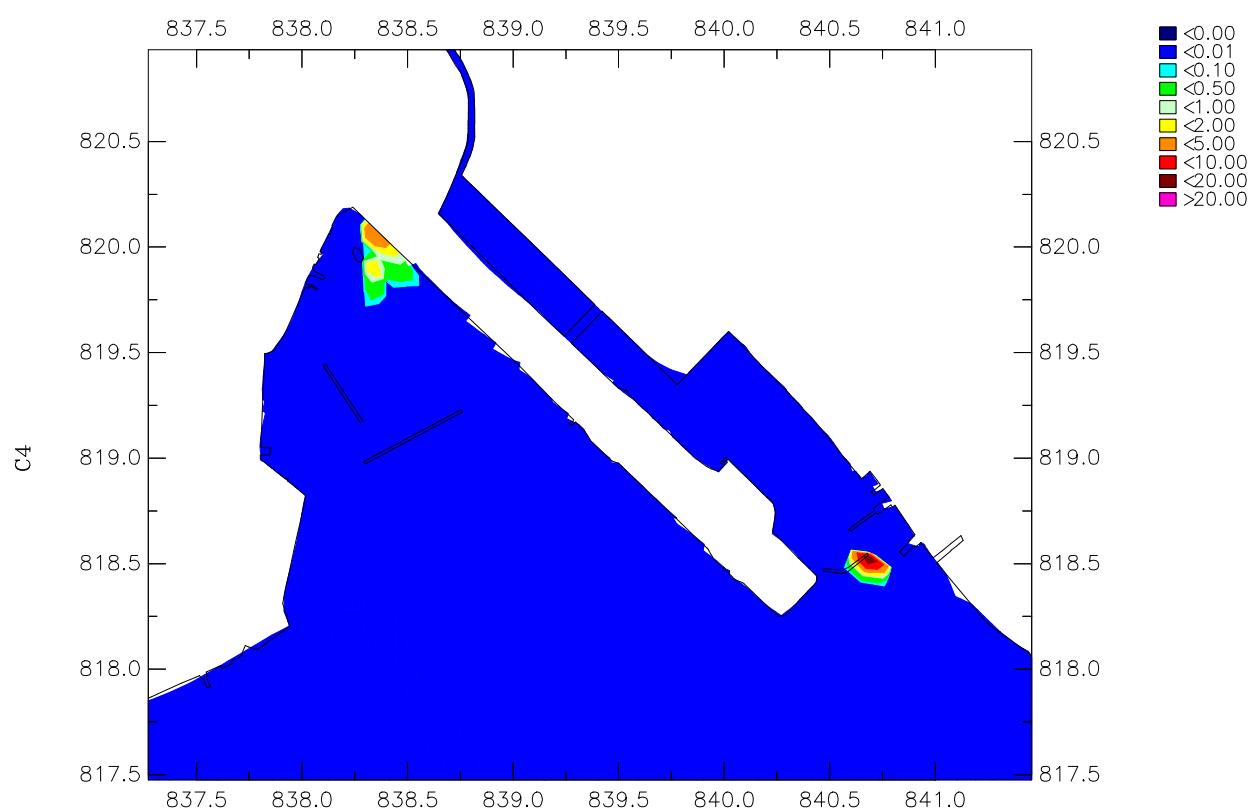
Upper: Surface layer; Lower: Bottom Layer

Wet Season

Mitigated

Drawing: C4-W-HHW-M1

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SS Elevation (mg/L) – Lowest Low Water (2005/10/14 12:00)

Scenario C4 with Silt Curtain

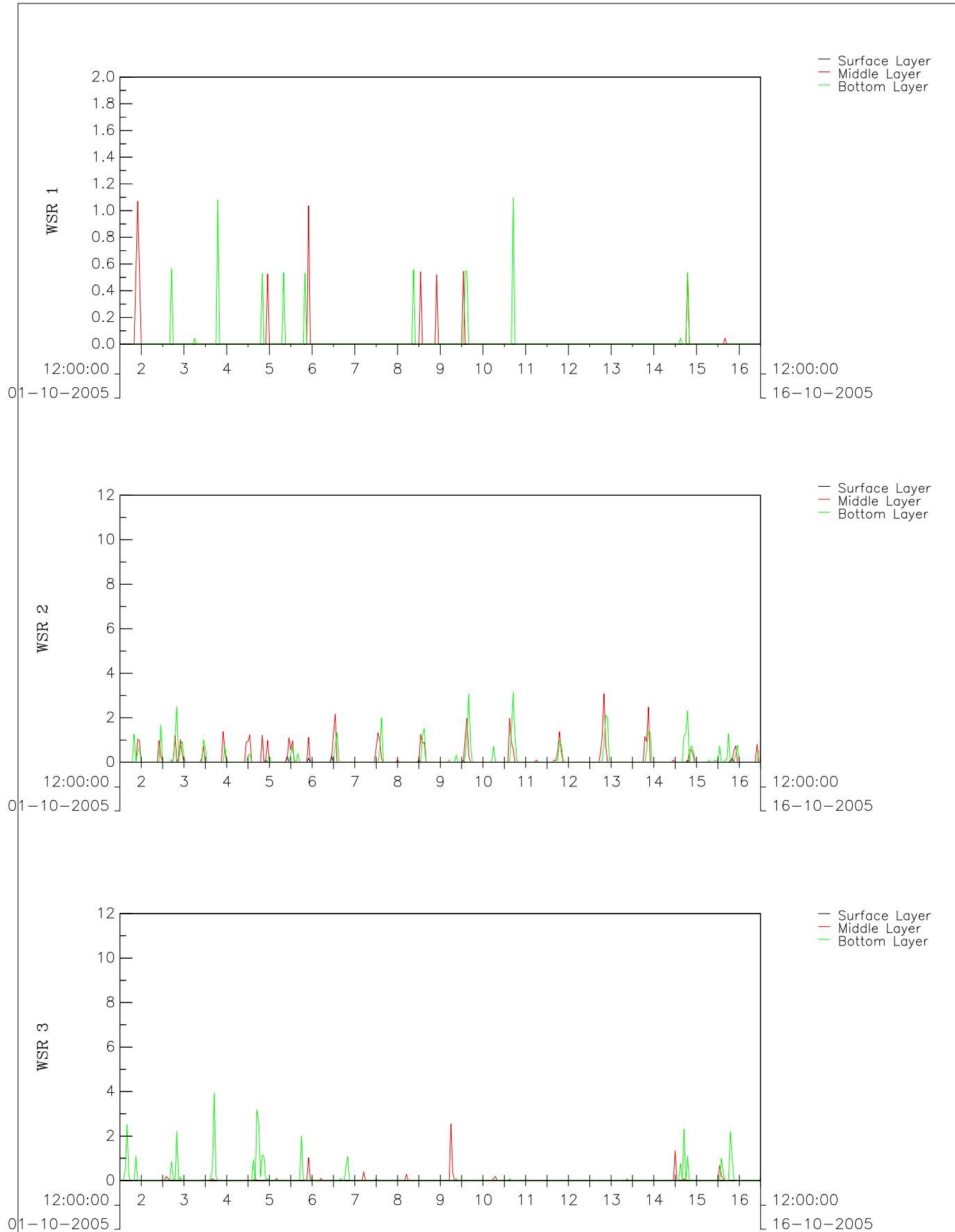
Upper: Surface layer; Lower: Bottom Layer

Wet Season

Mitigated

Drawing: C4-W-LLW-M1

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SS Elevation (mg/L) – Time Series Plot Scenario C4 With Silt Curtain	Wet Season	Mitigated
	Drawing: C4-W-SST-M1	
ARUP		