

APPENDIX A

Observations of Suspended Sediment Concentration (TSS) Measured with ADCP

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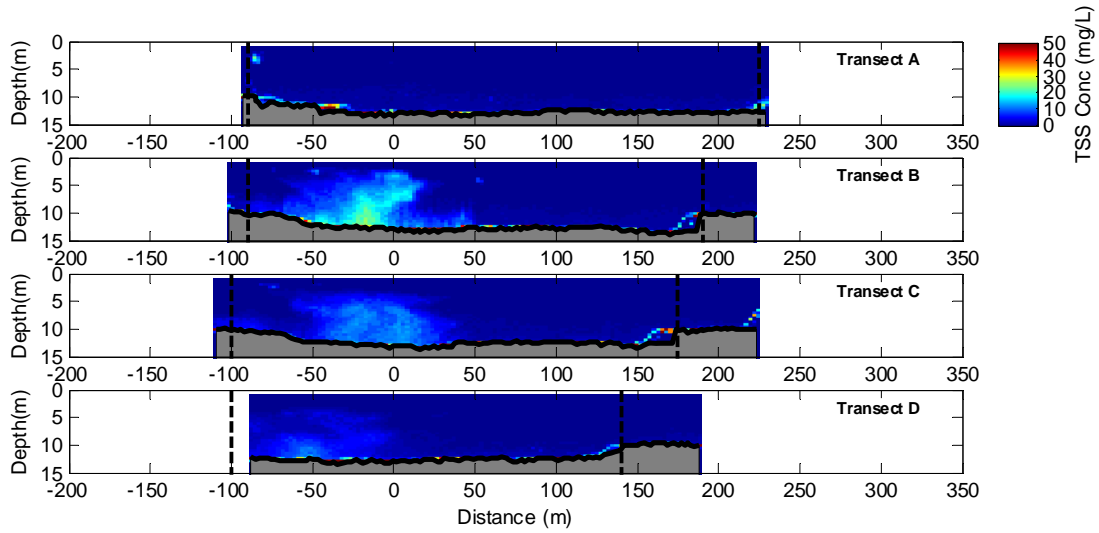


Figure A-1. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

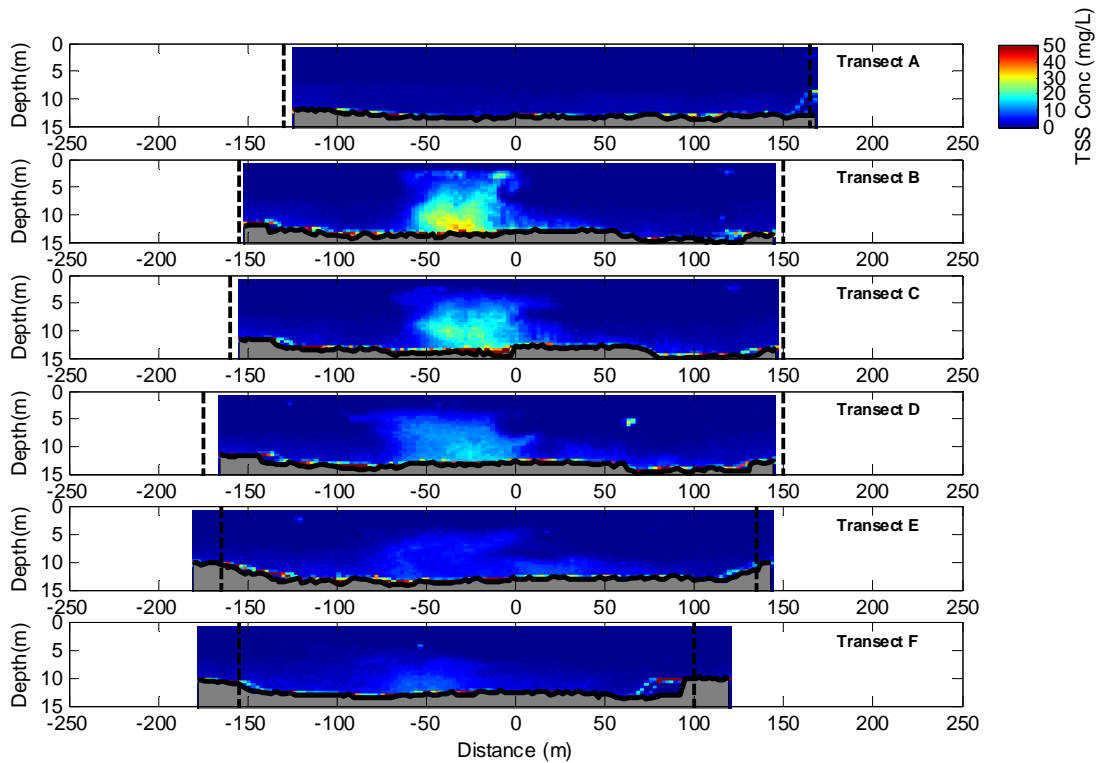


Figure A-2. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

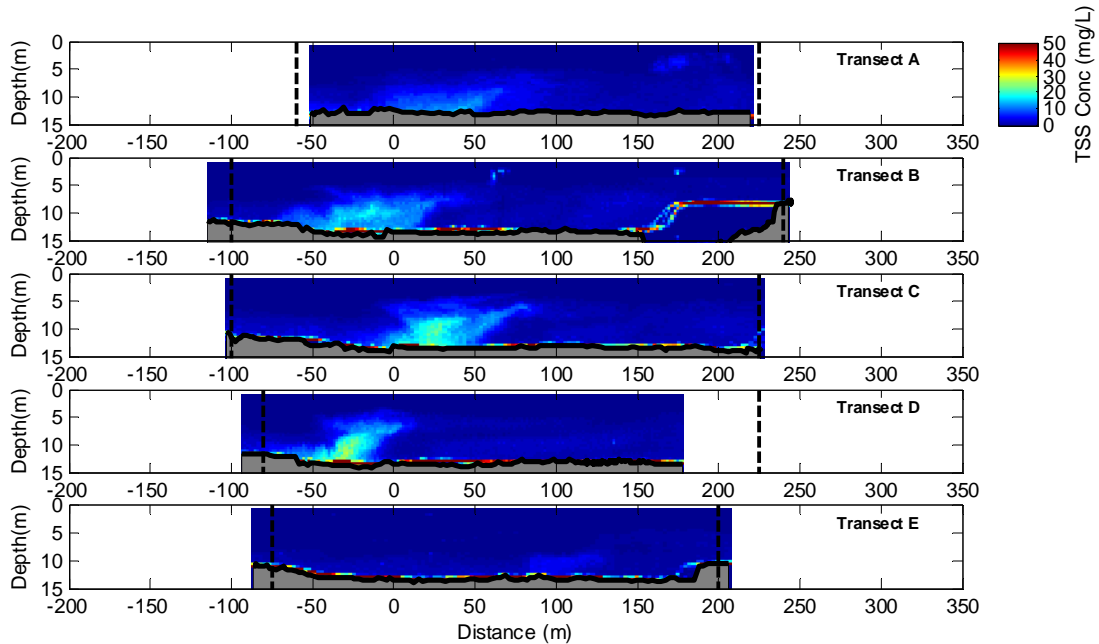


Figure A-3. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

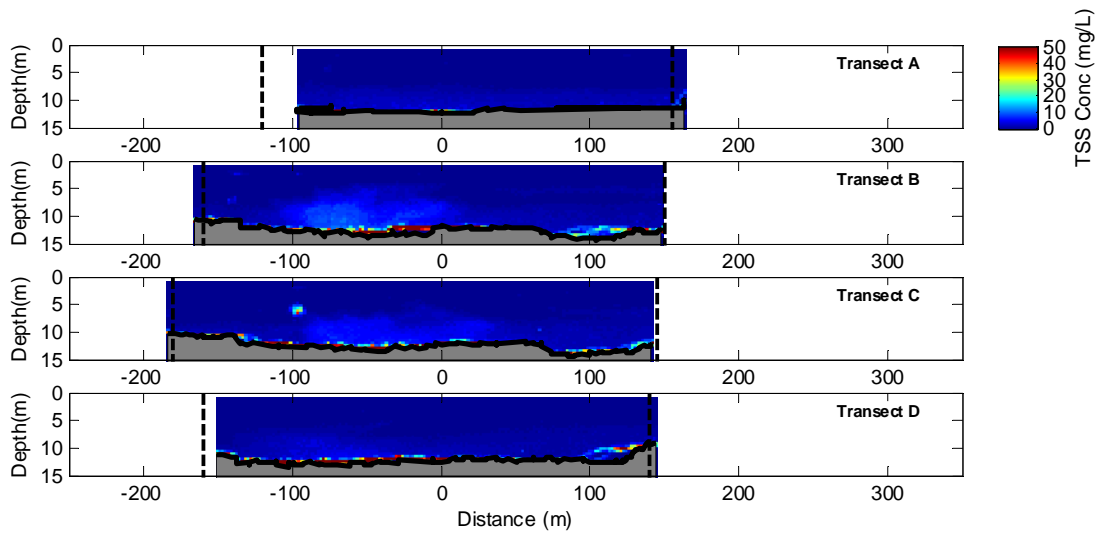


Figure A-4. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

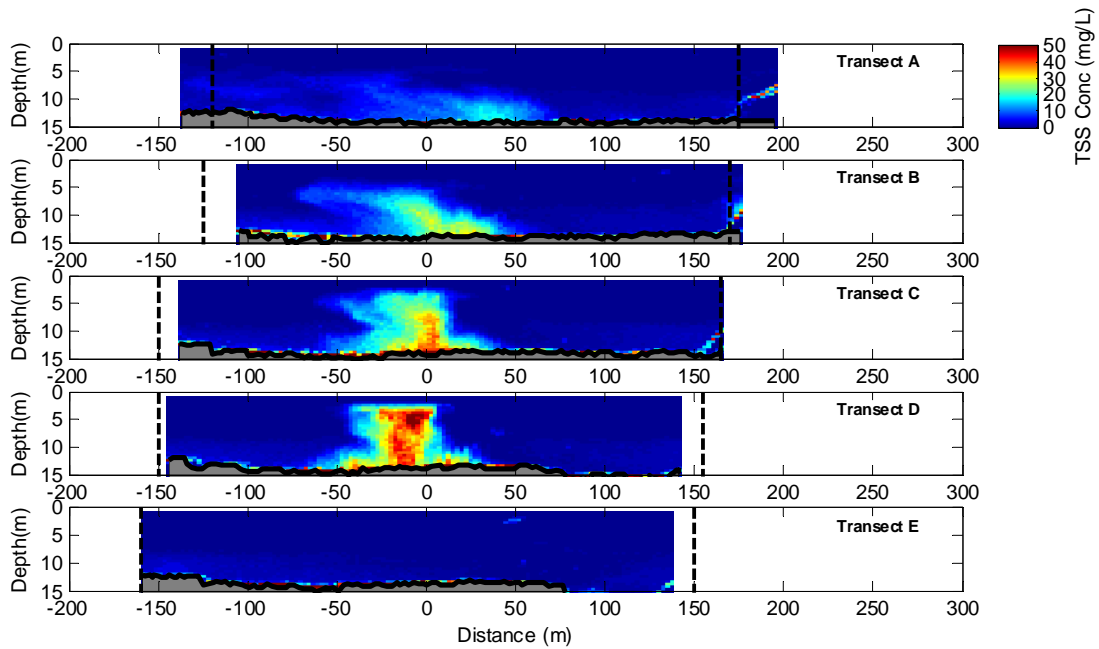


Figure A-5. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

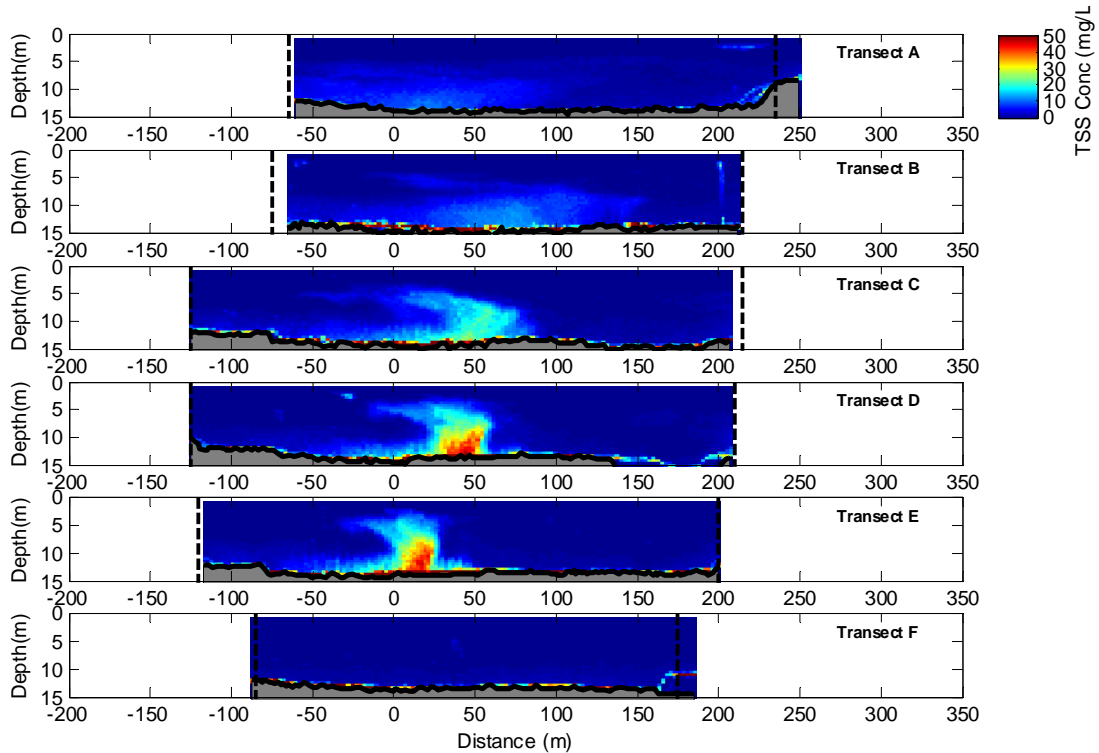


Figure A-6. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

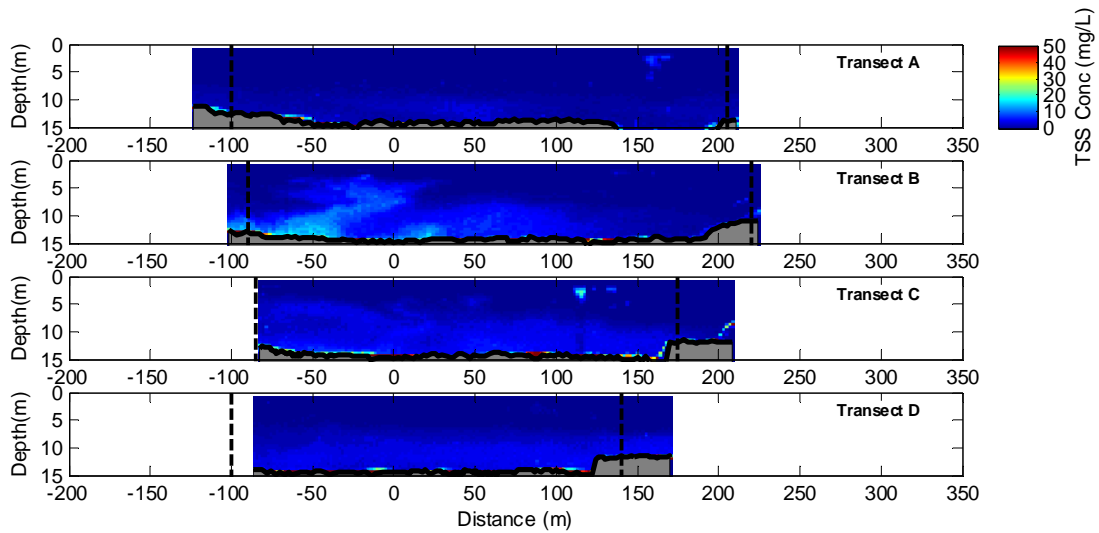


Figure A-7. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

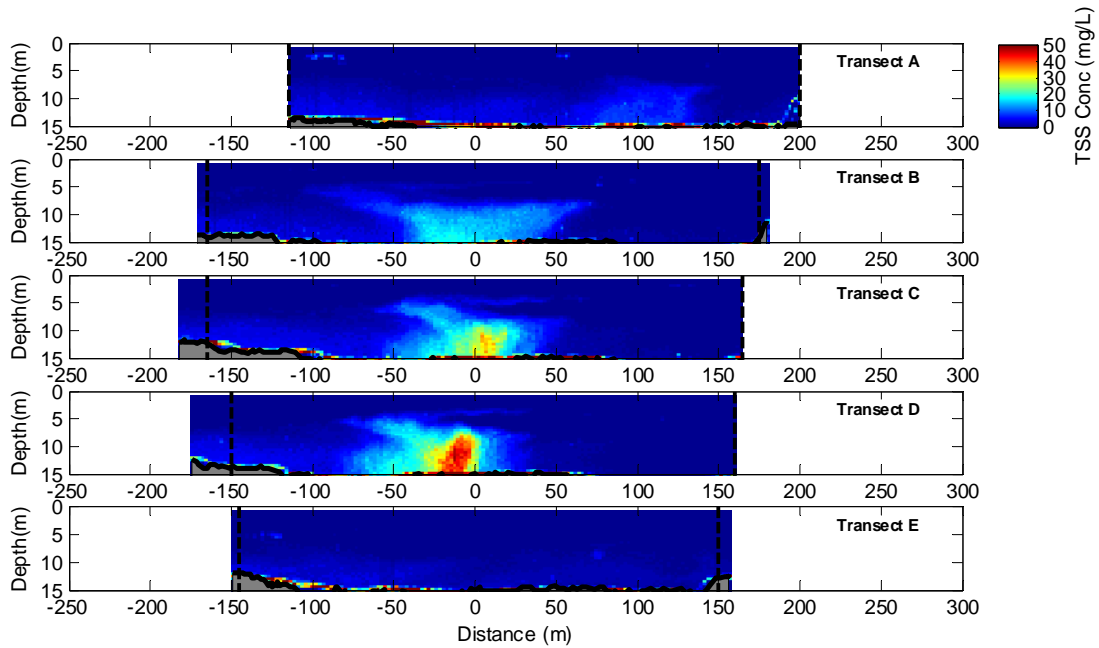


Figure A-8. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Northern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

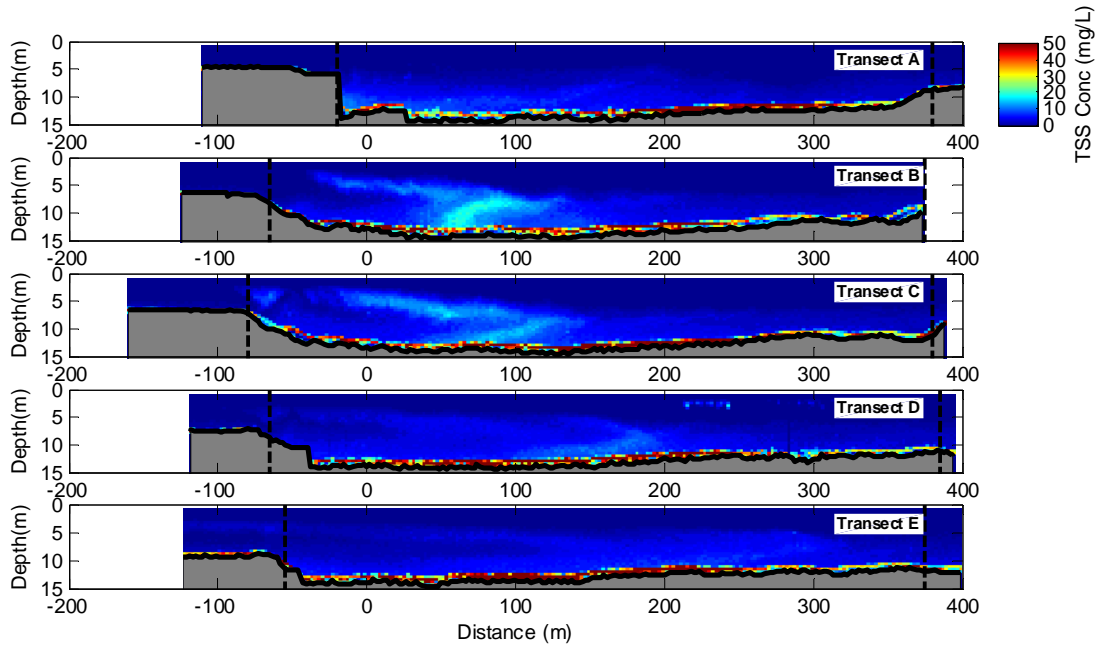


Figure A-9. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

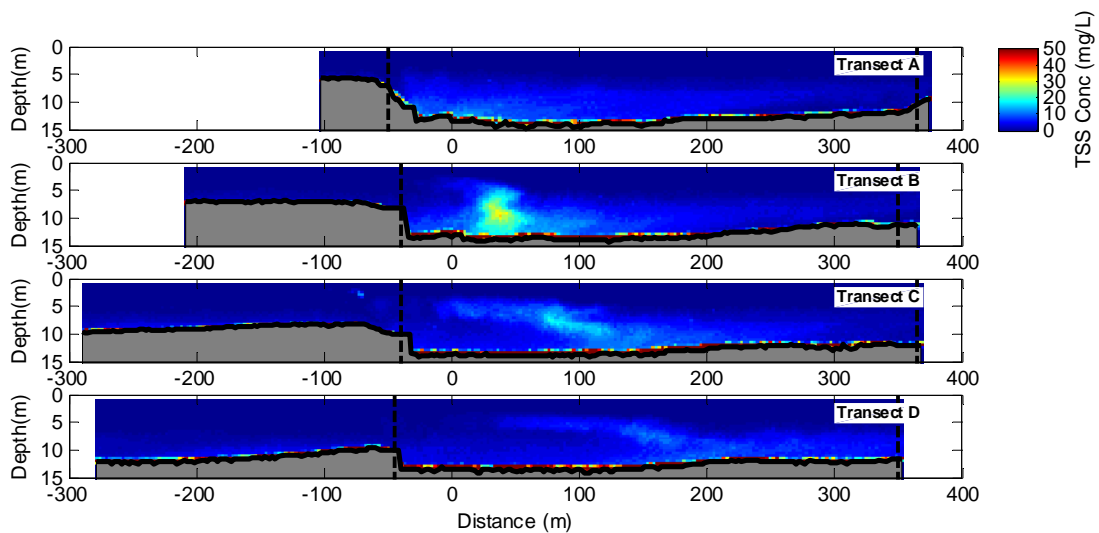


Figure A-10. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

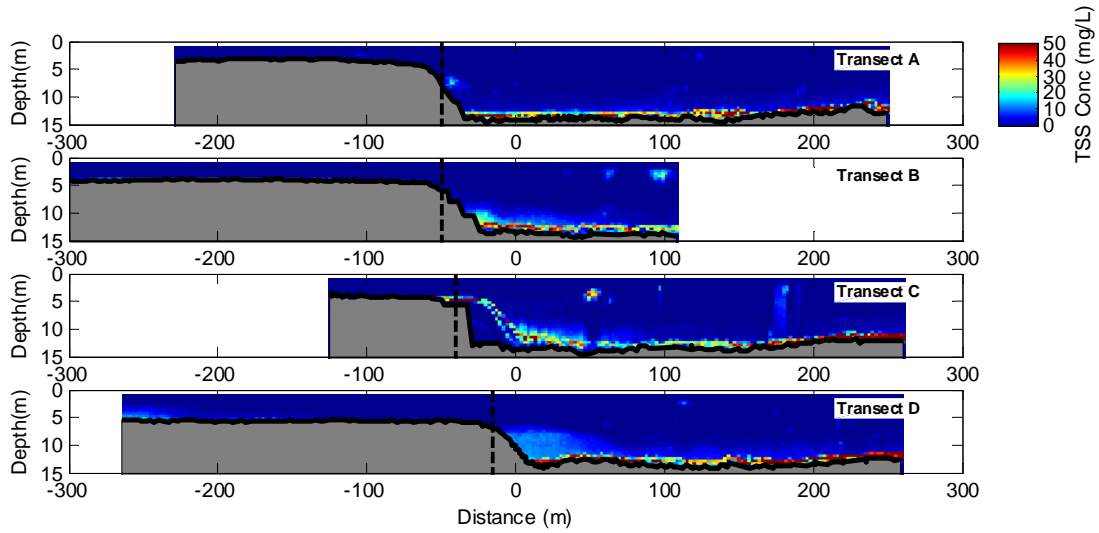


Figure A-11. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

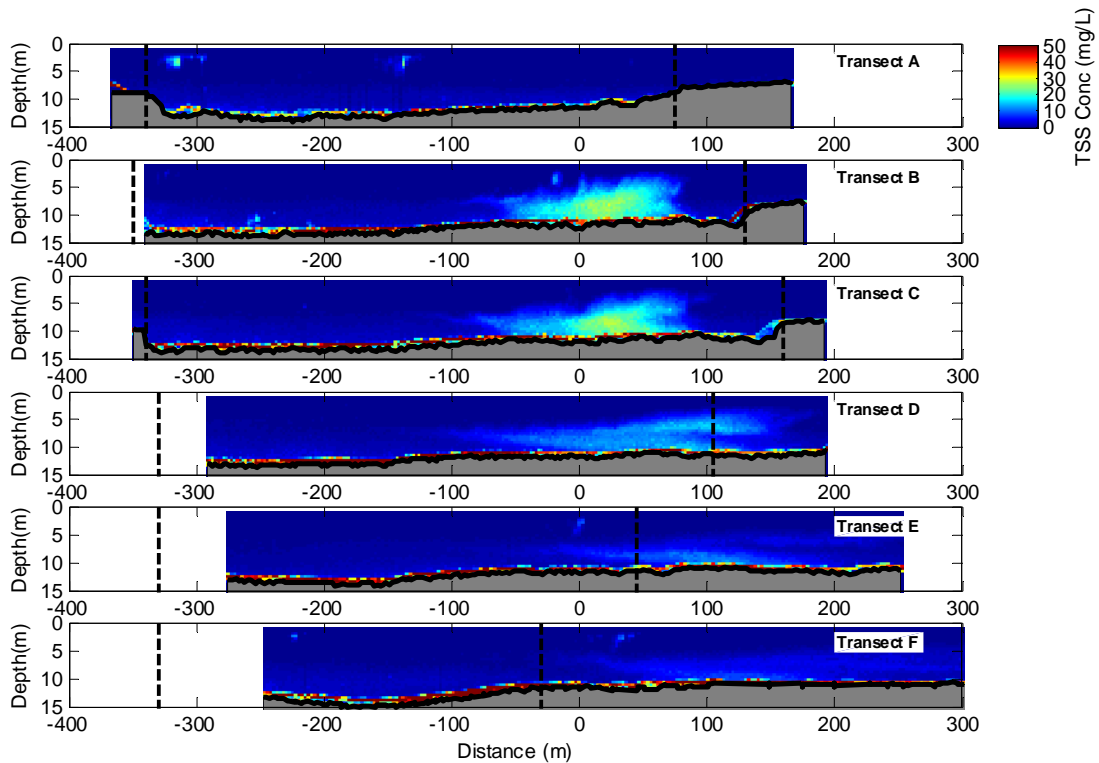


Figure A-12. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

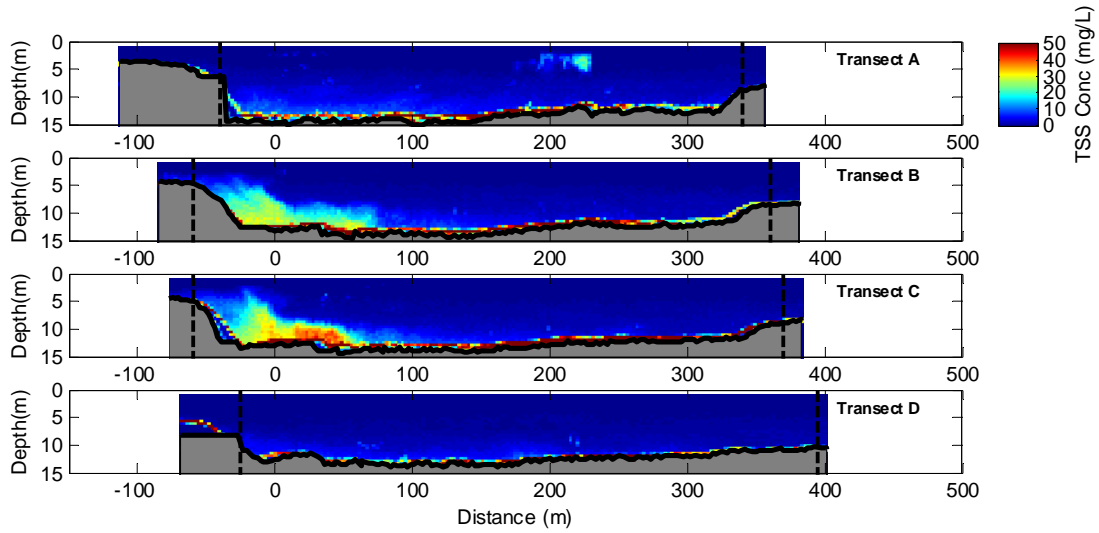


Figure A-13. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

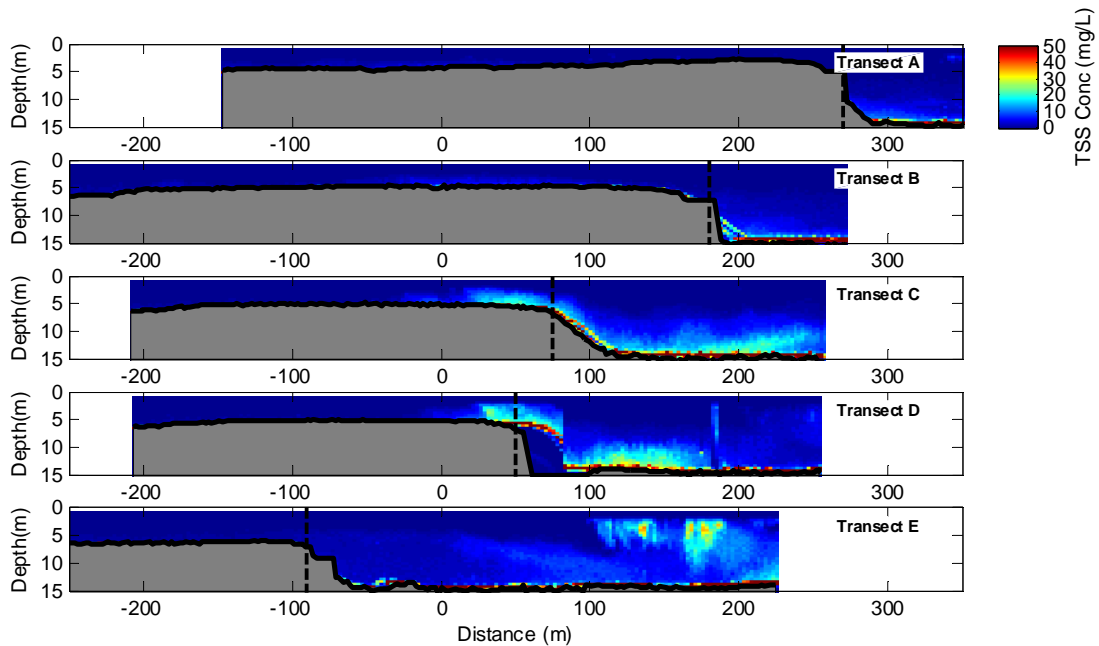


Figure A-14. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

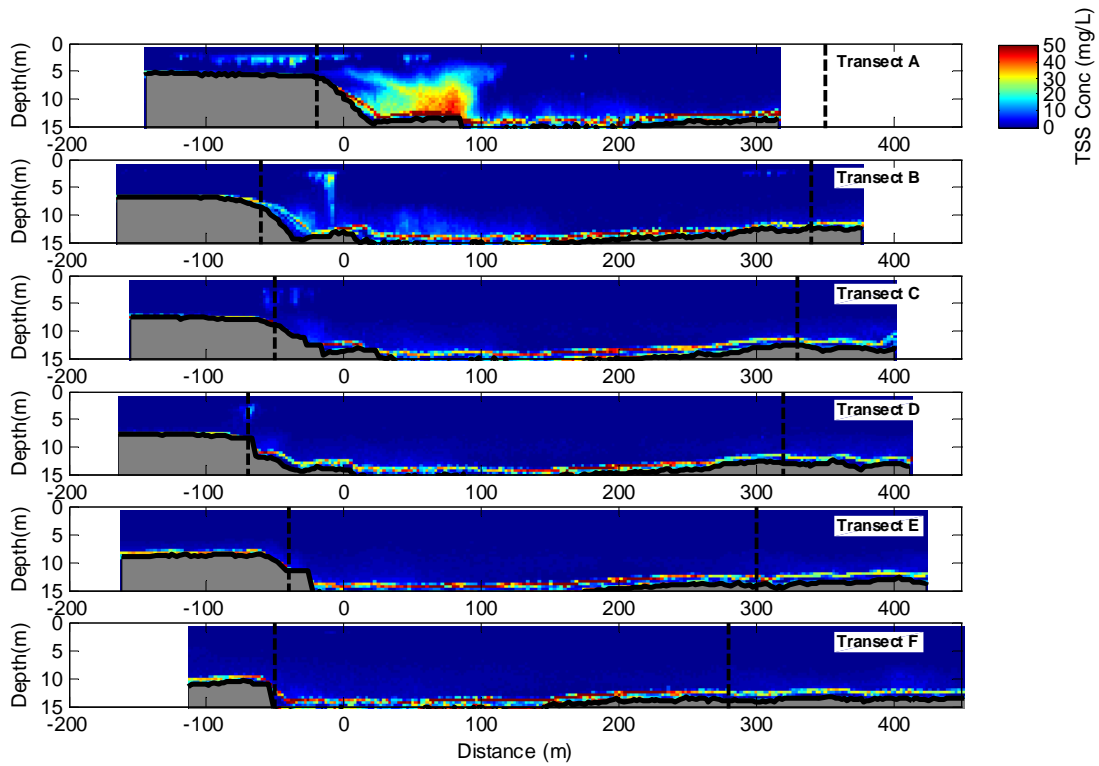


Figure A-15. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

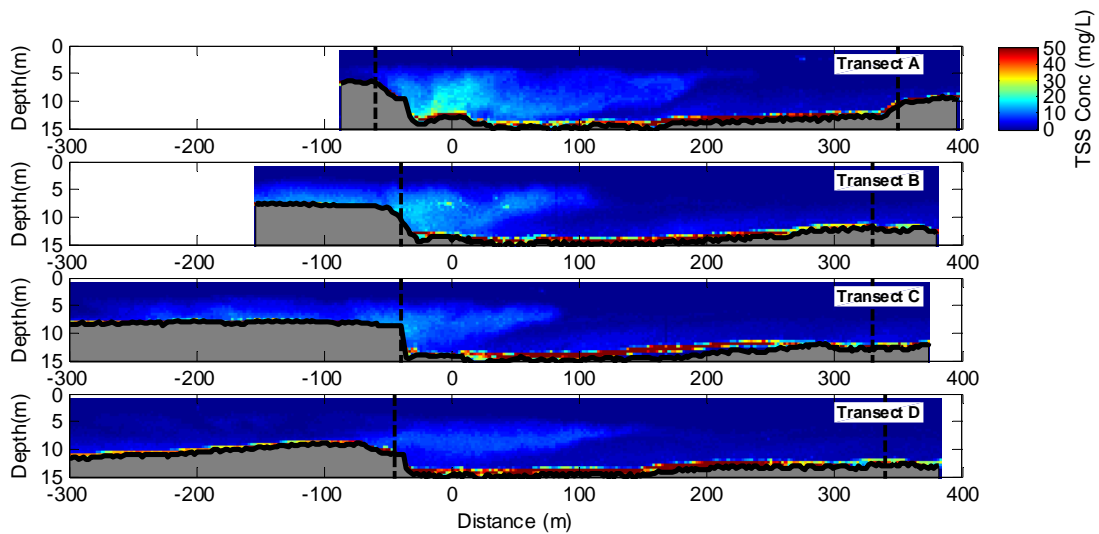


Figure A-16. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Southern MSC. Presented are vertical slices of turbidity measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

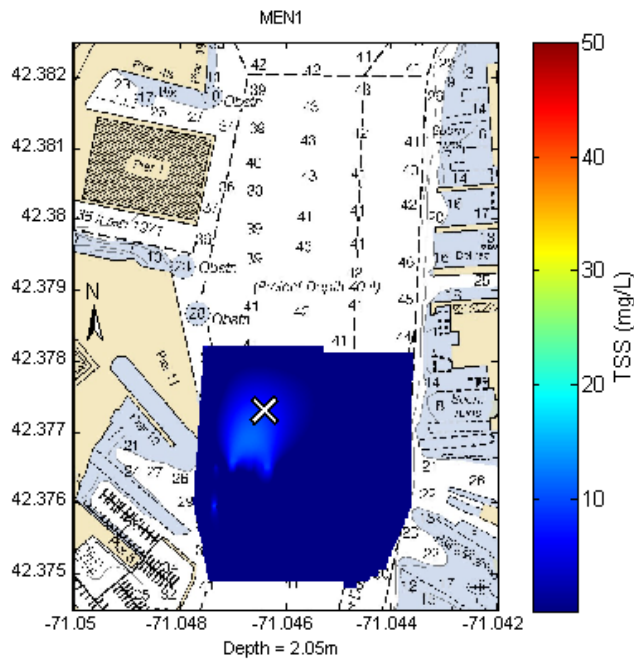


Figure A-17-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

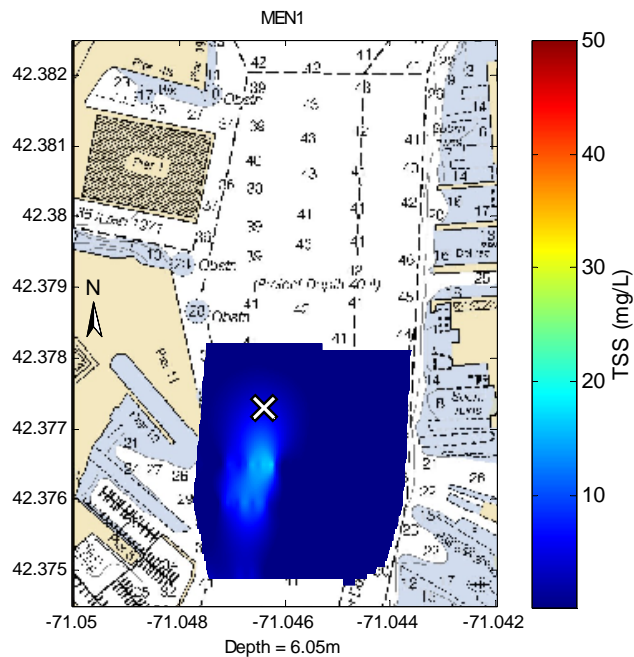


Figure A-17-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

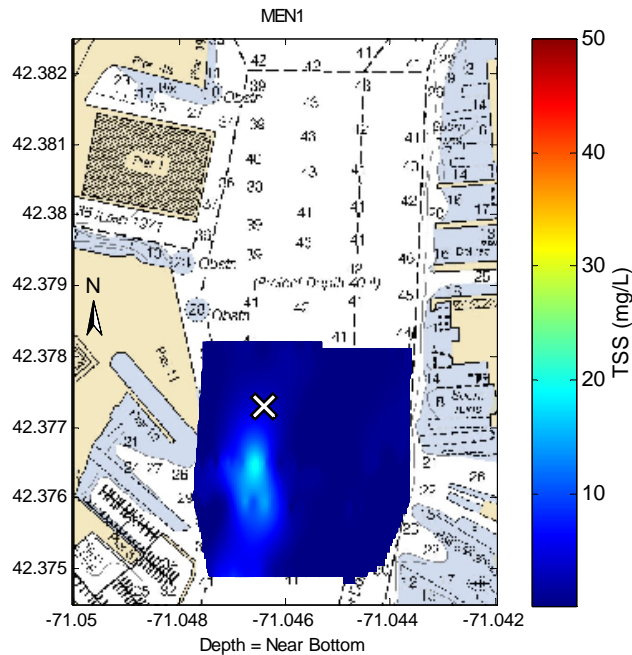


Figure A-17-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

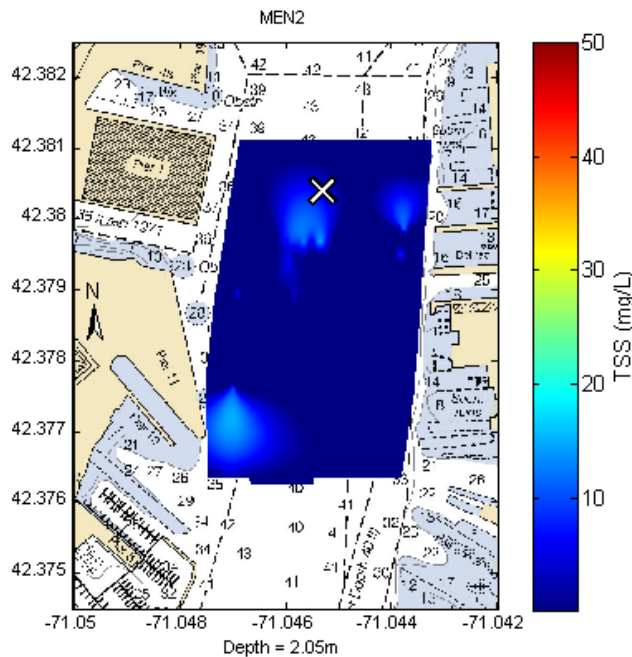


Figure A-18-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

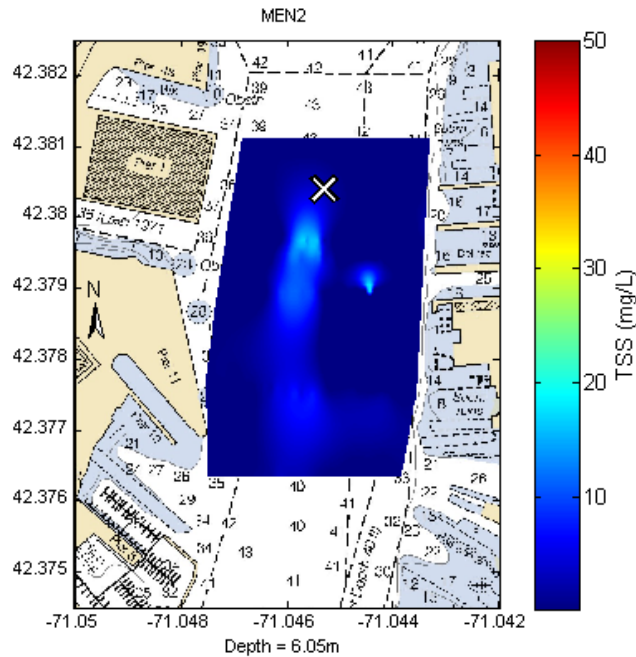


Figure A-18-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

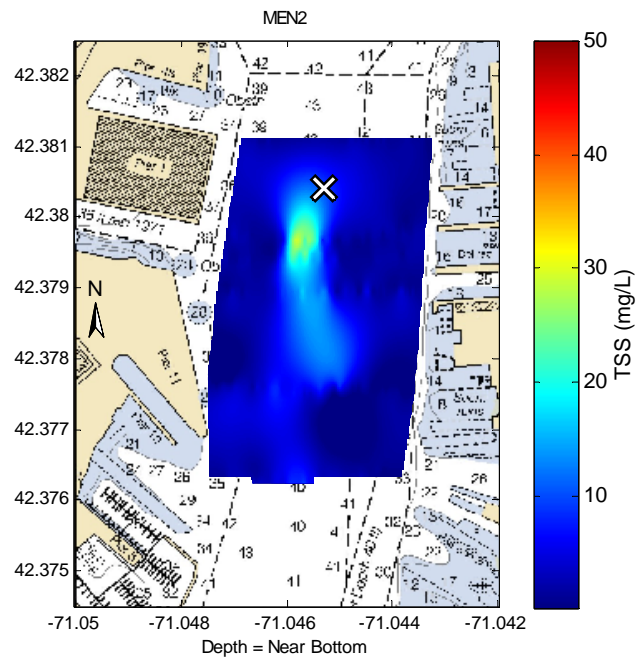


Figure A-18-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

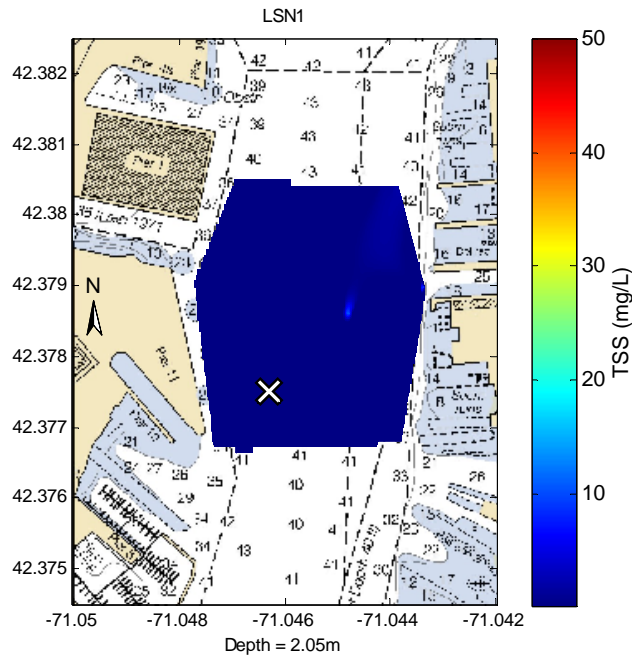


Figure A-19-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

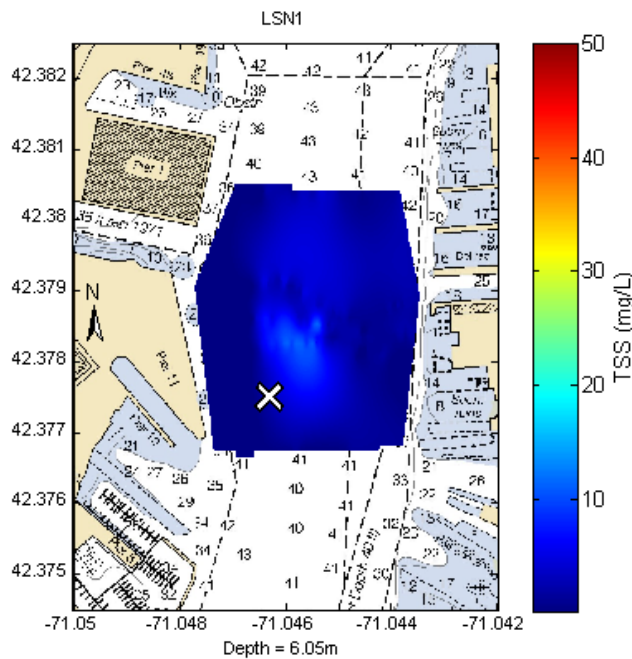


Figure A-19-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

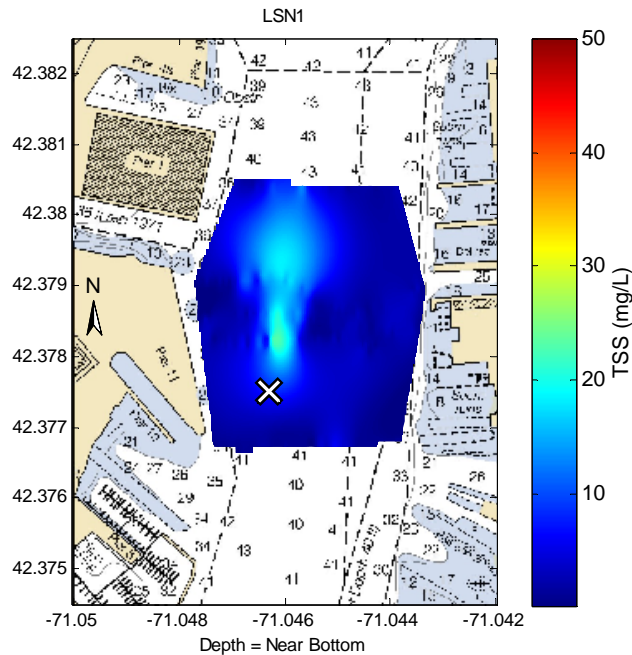


Figure A-19-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

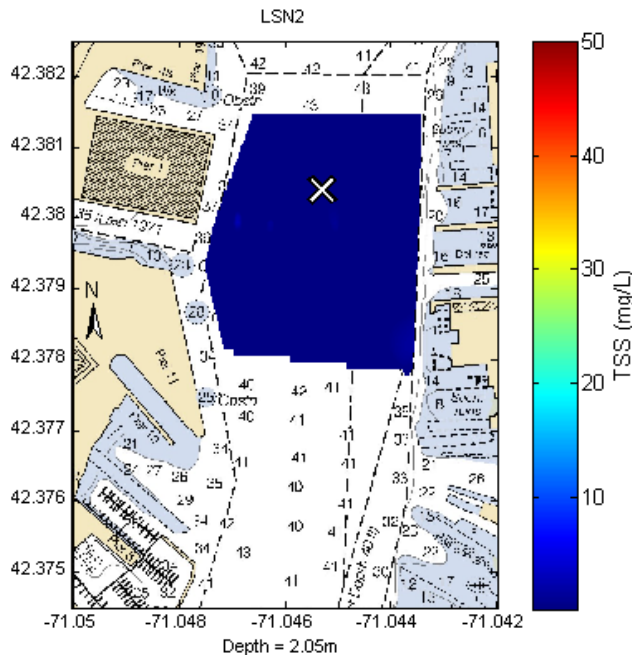


Figure A-20-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

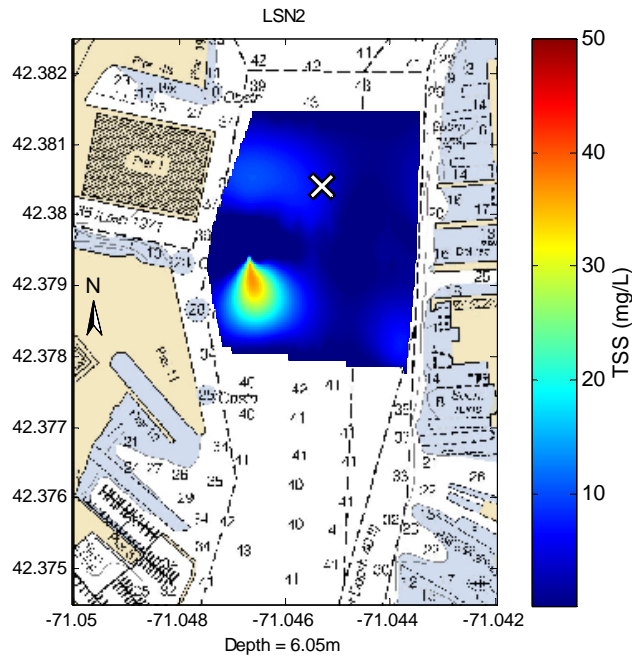


Figure A-20-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

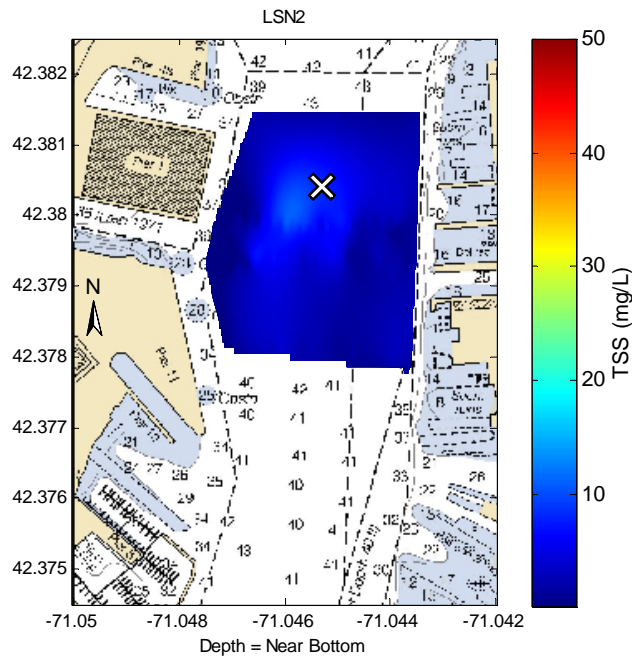


Figure A-20-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

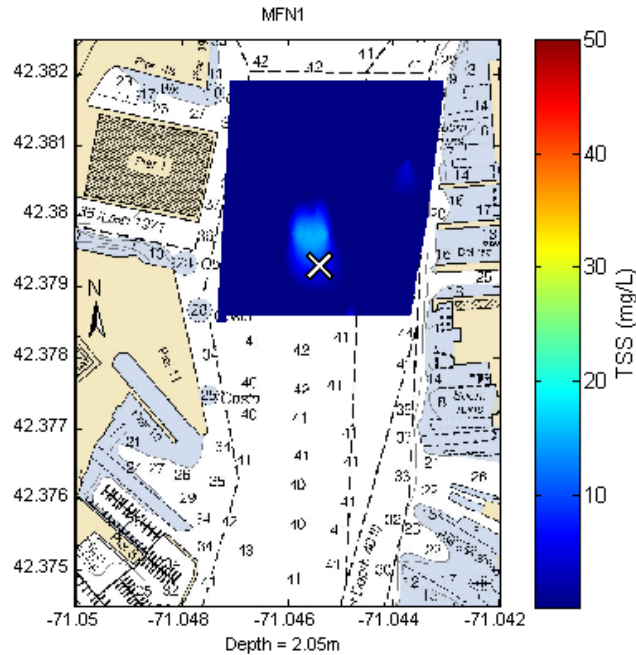


Figure A-21-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

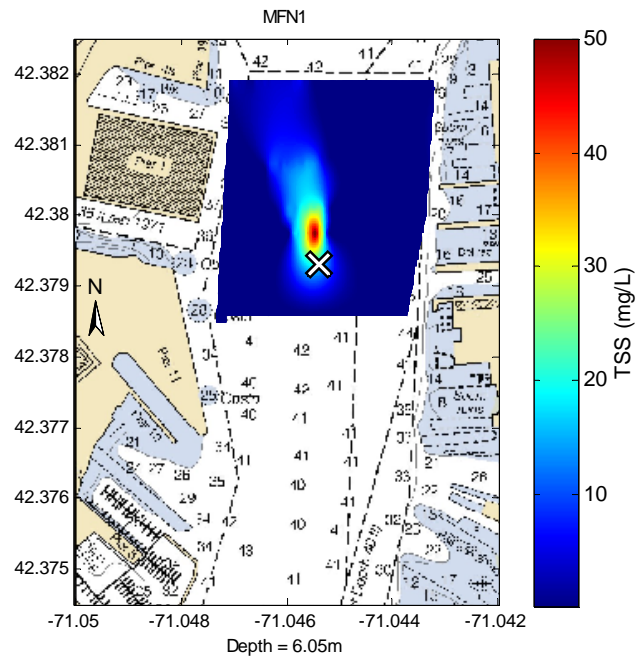


Figure A-21-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

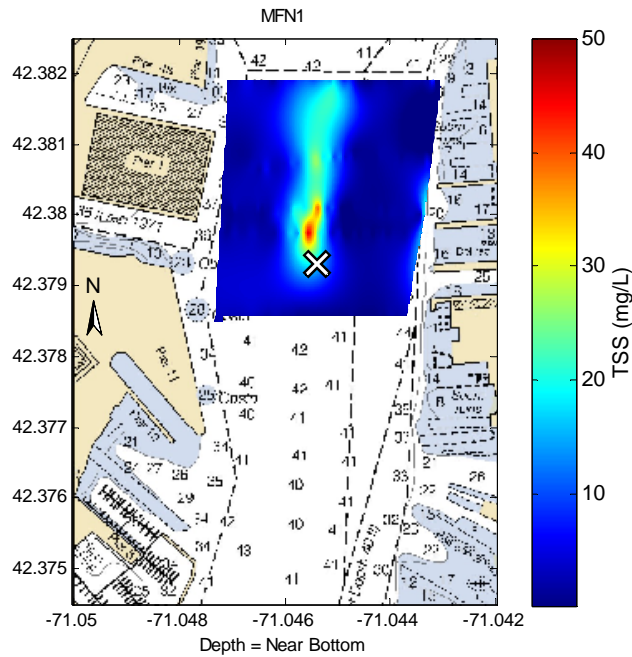


Figure A-21-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

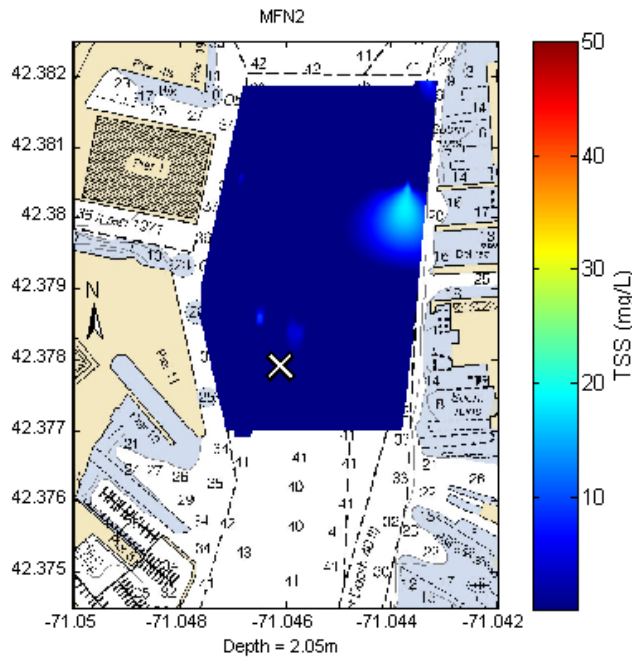


Figure A-22-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

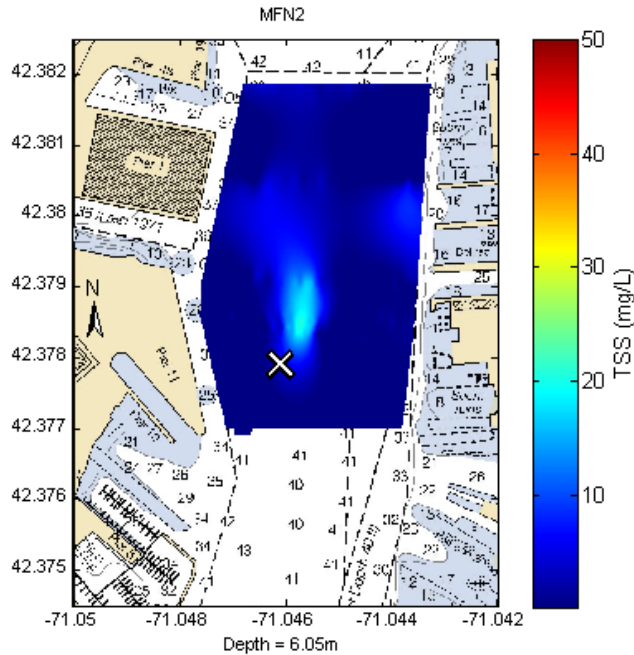


Figure A-22-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

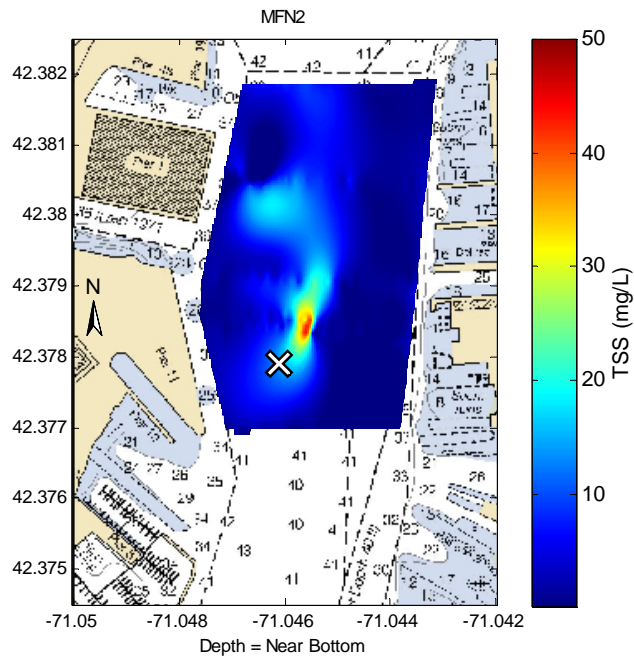


Figure A-22-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

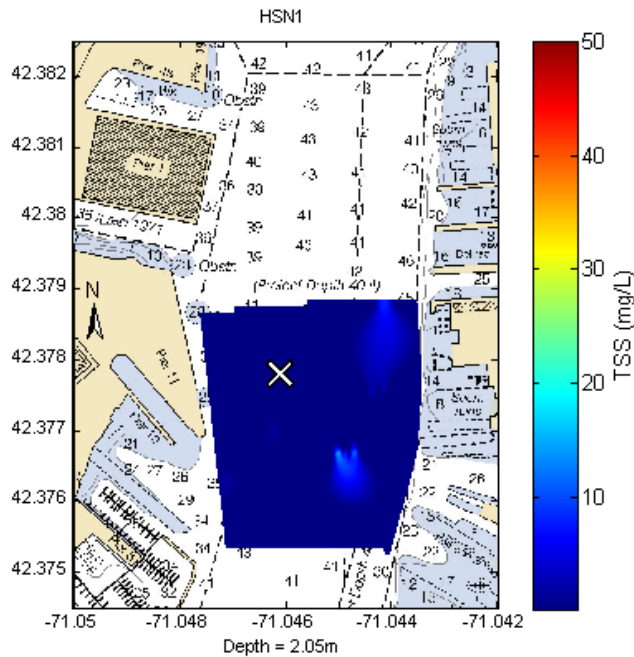


Figure A-23-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

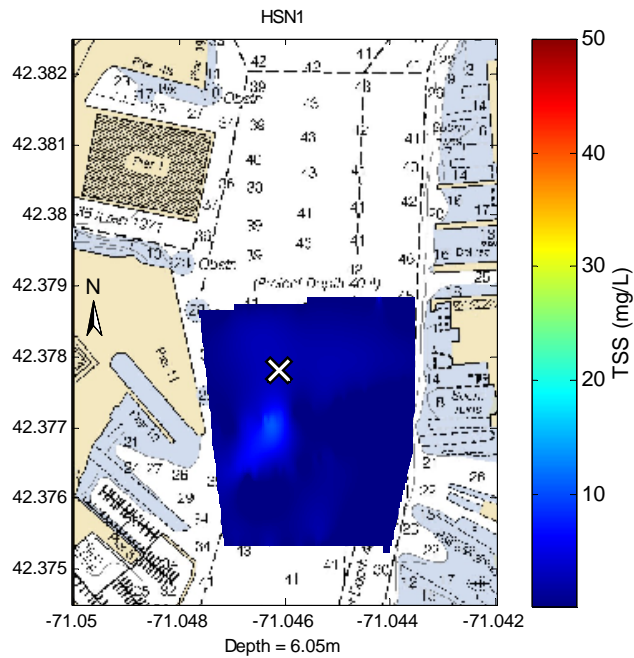


Figure A-23-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

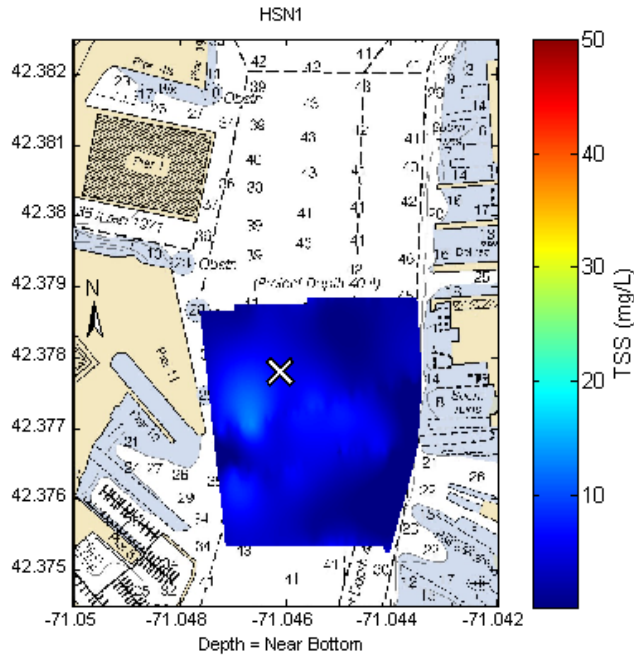


Figure A-23-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

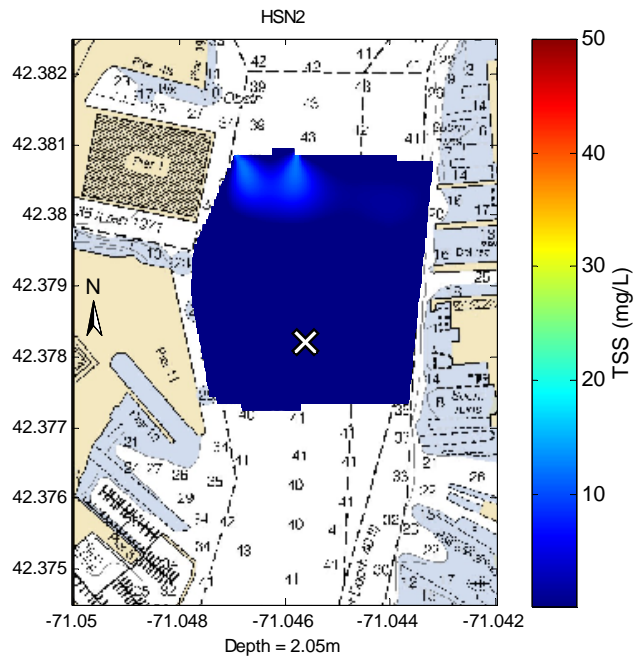


Figure A-24-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

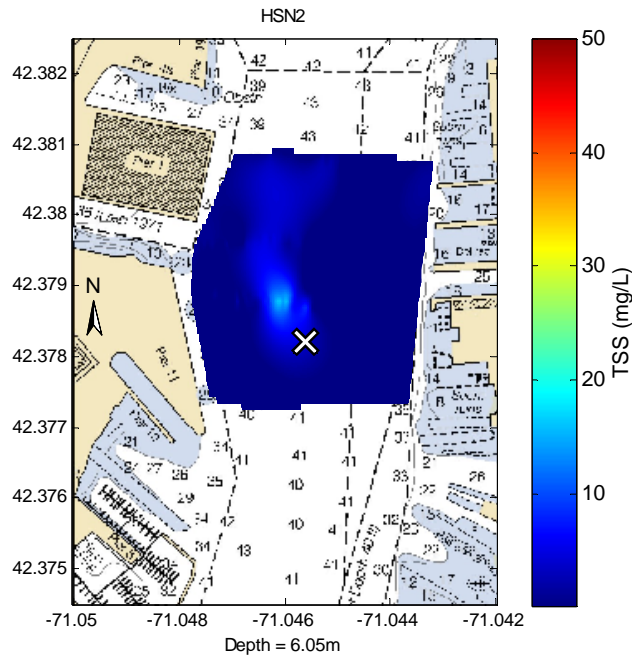


Figure A-24-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

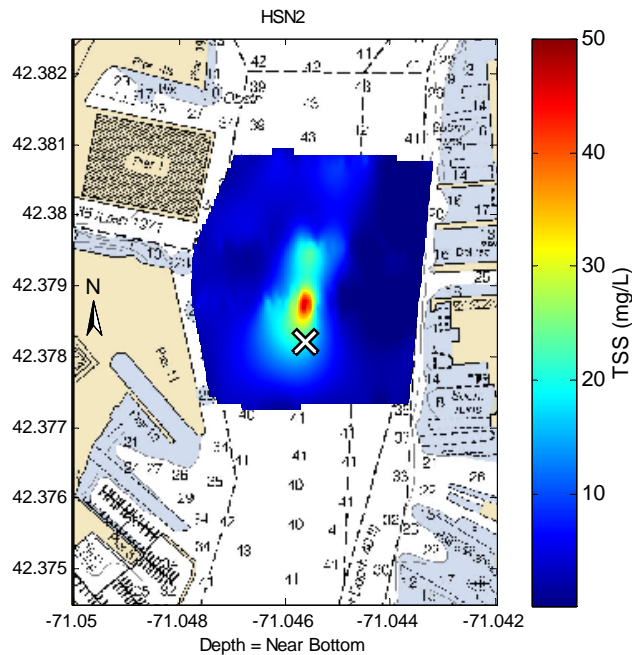


Figure A-24-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Northern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

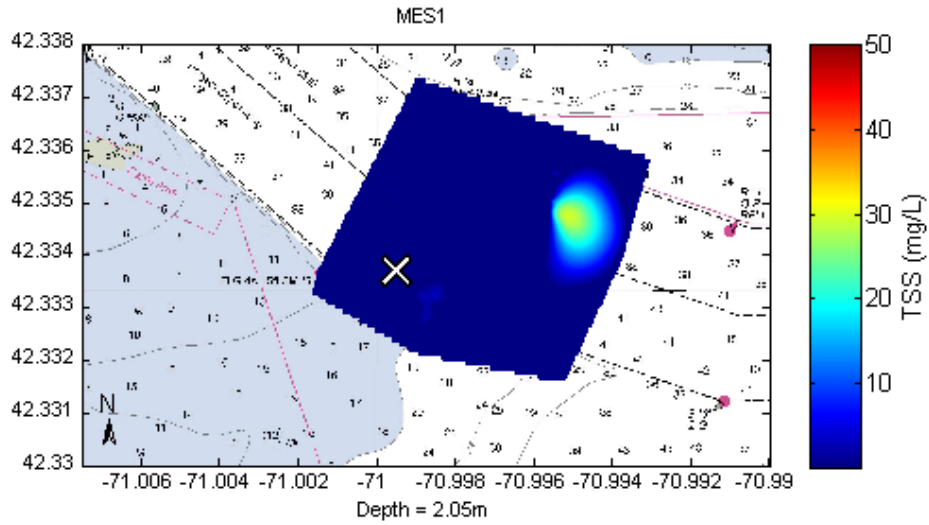


Figure A-25-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

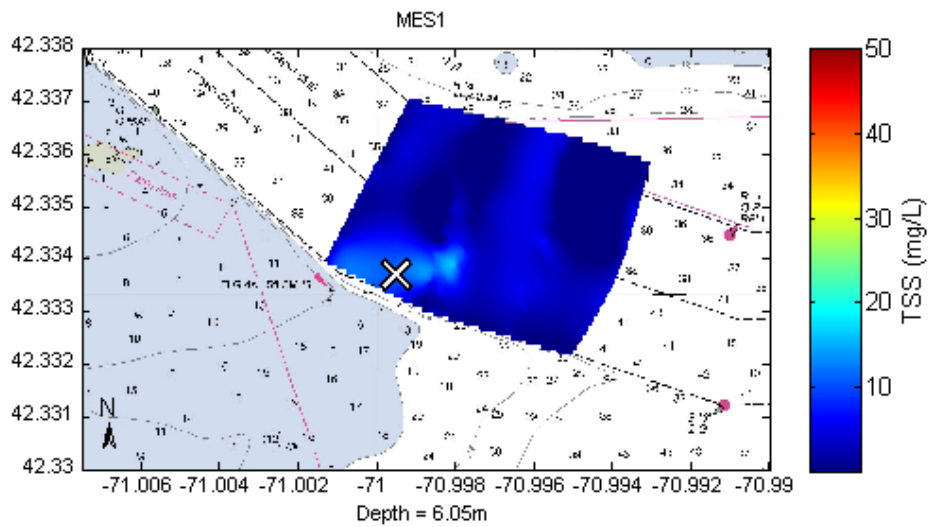


Figure A-25-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

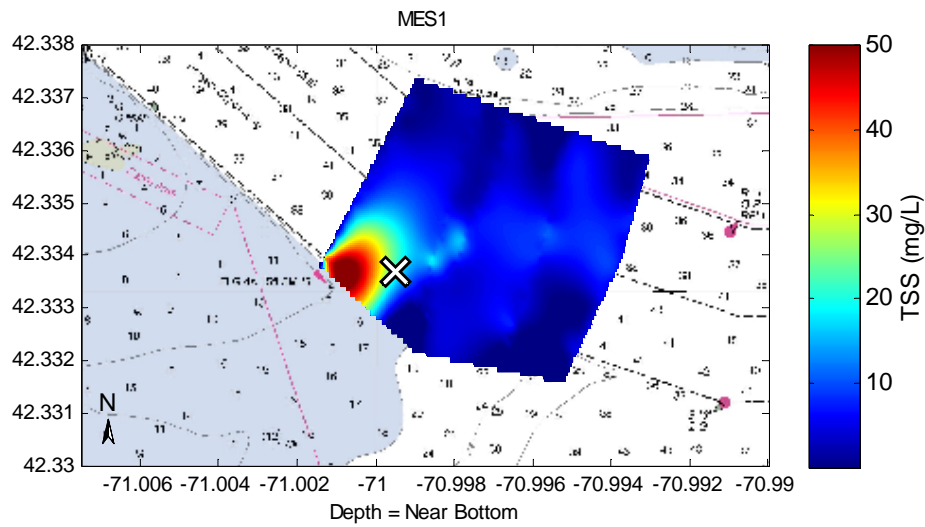


Figure A-25-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Ebb in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

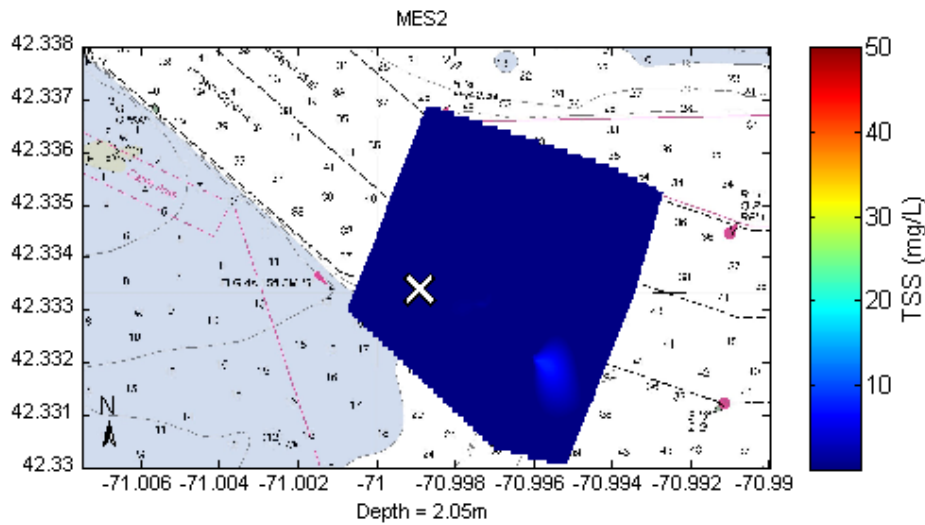


Figure A-26-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

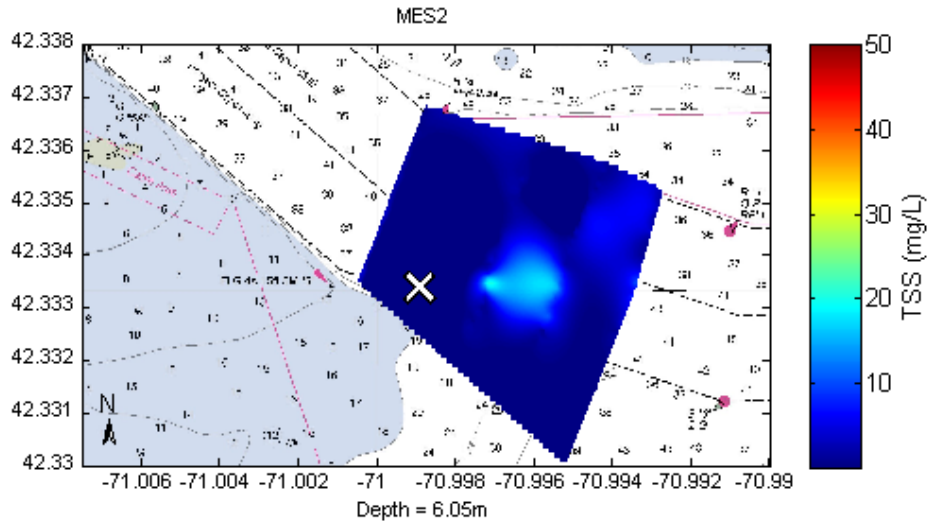


Figure A-26-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

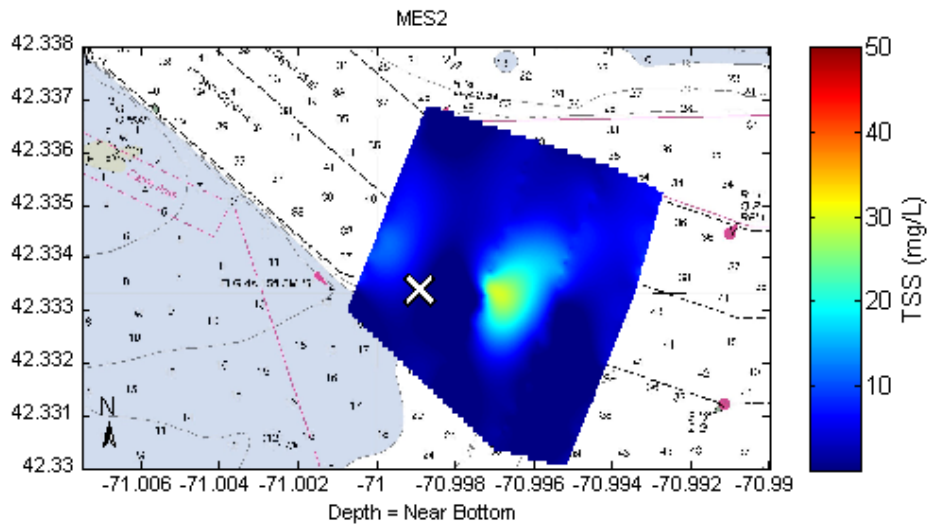


Figure A-26-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Ebb in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

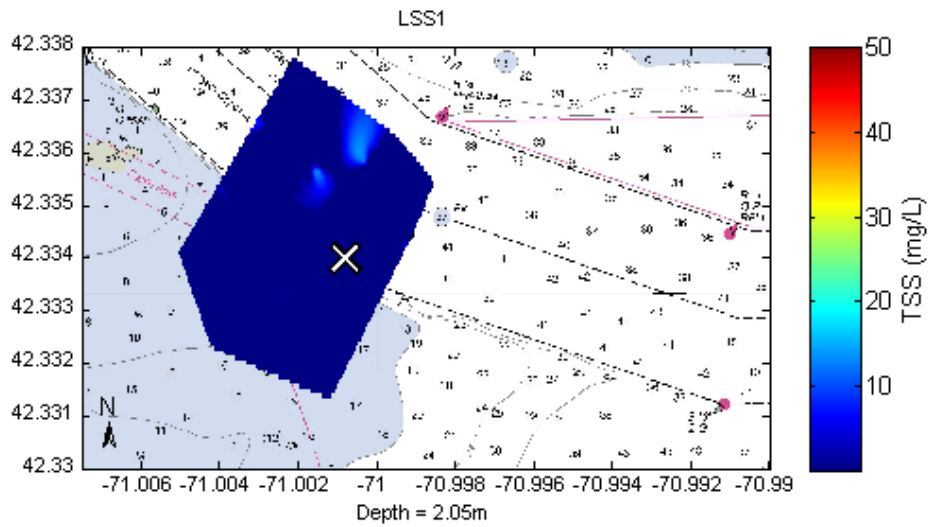


Figure A-27-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

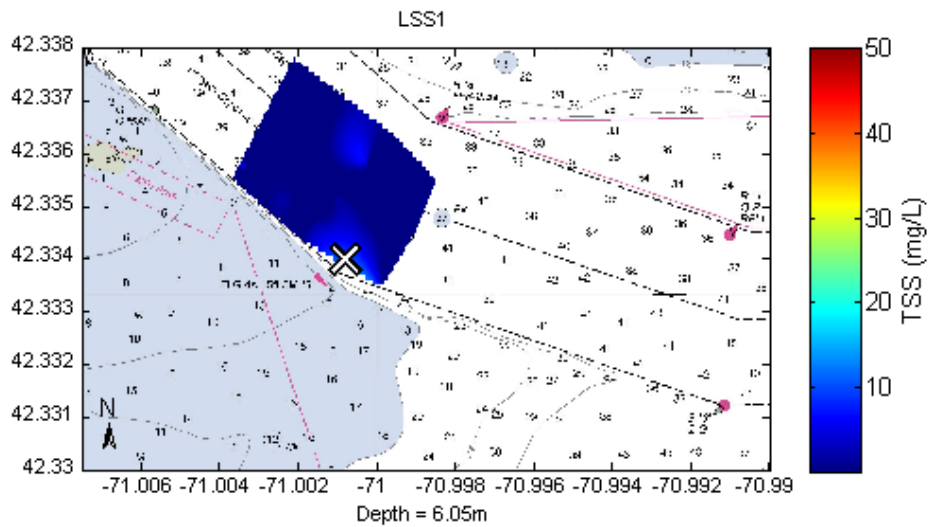


Figure A-27-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

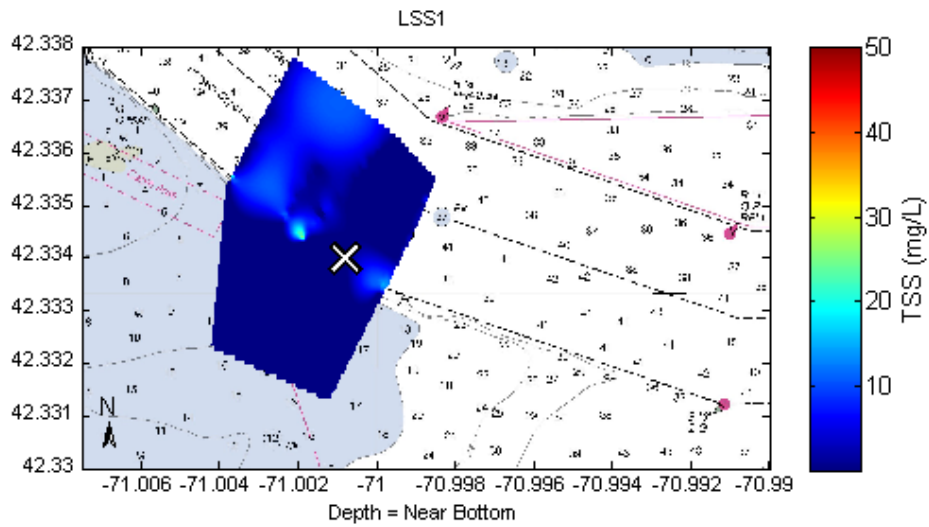


Figure A-27-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First Low Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

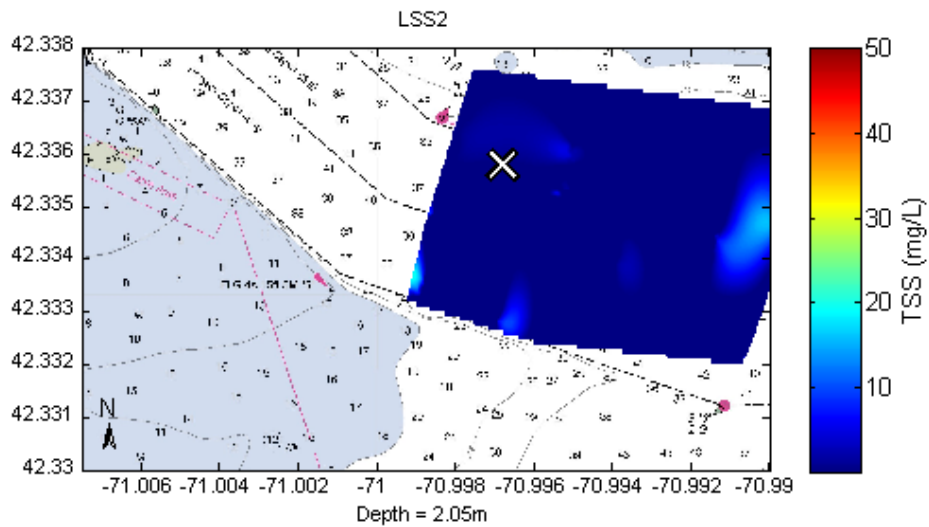


Figure A-28-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

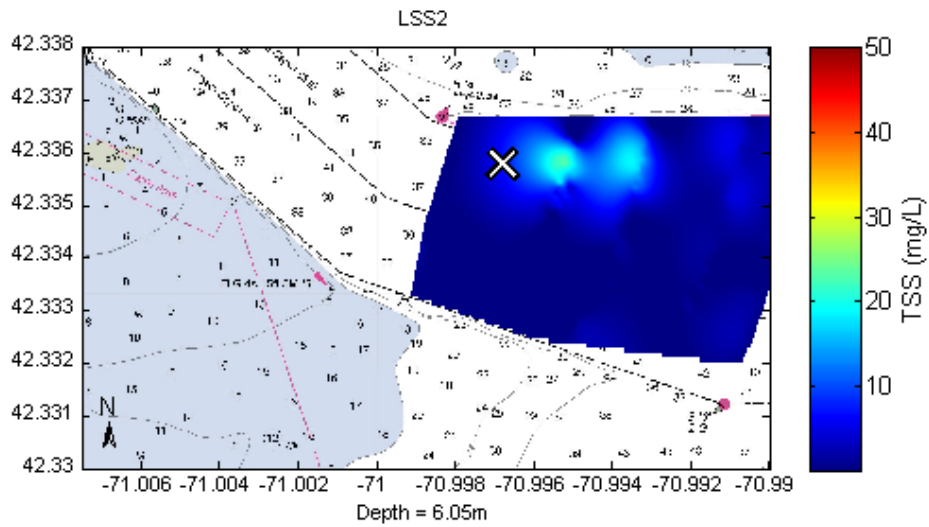


Figure A-28-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

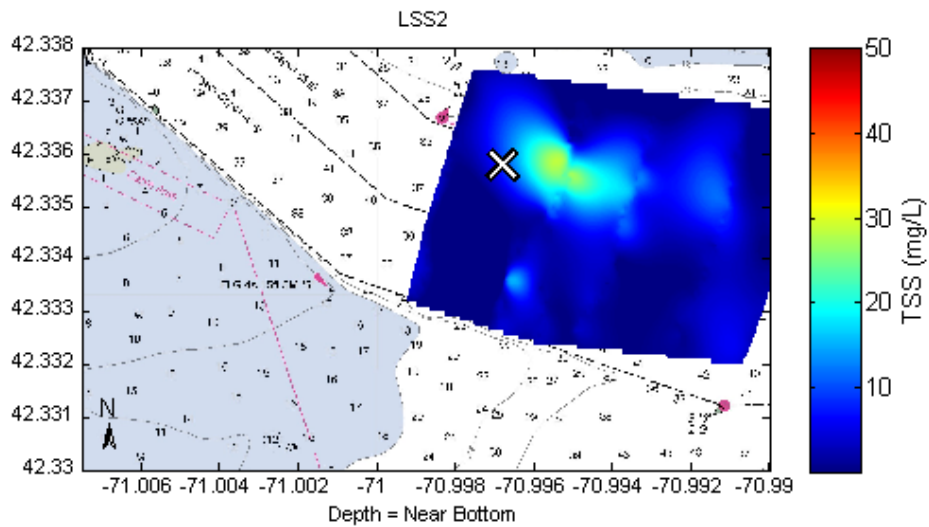


Figure A-28-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Low Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

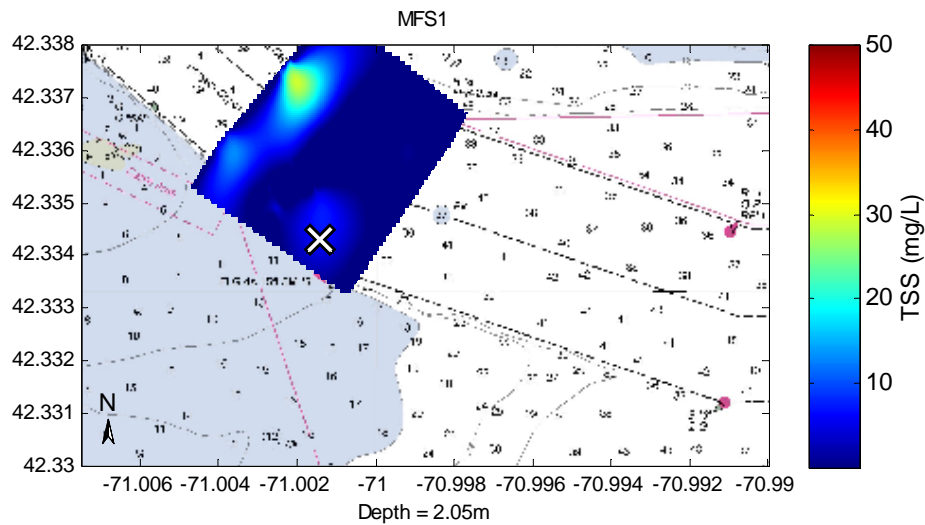


Figure A-29-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

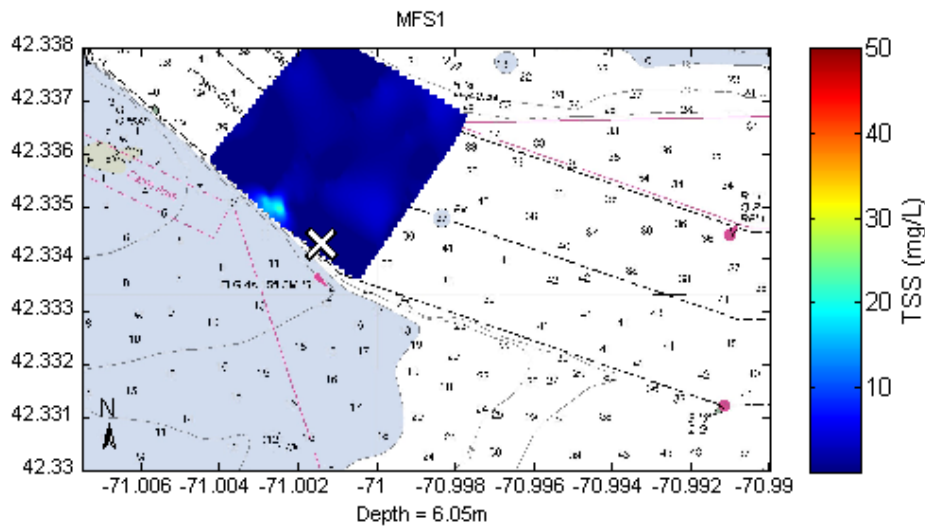


Figure A-29-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

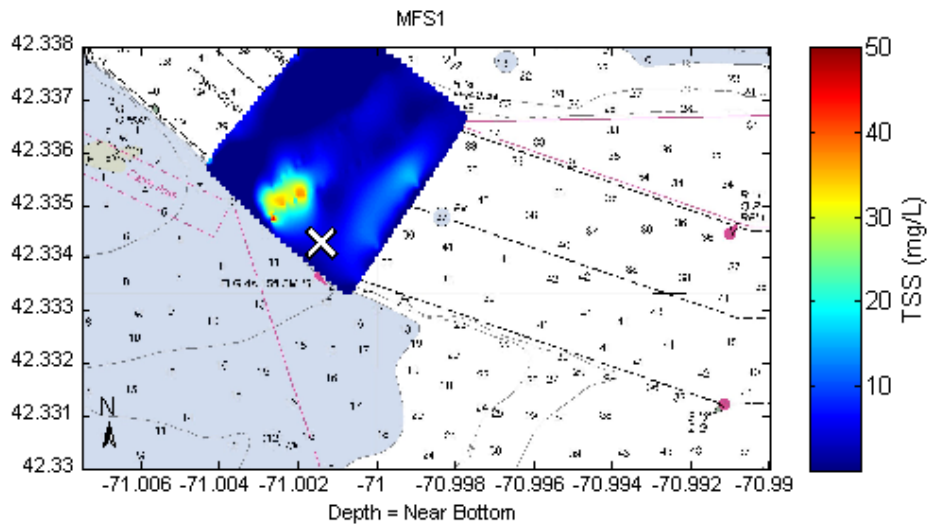


Figure A-29-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First Max Flood in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

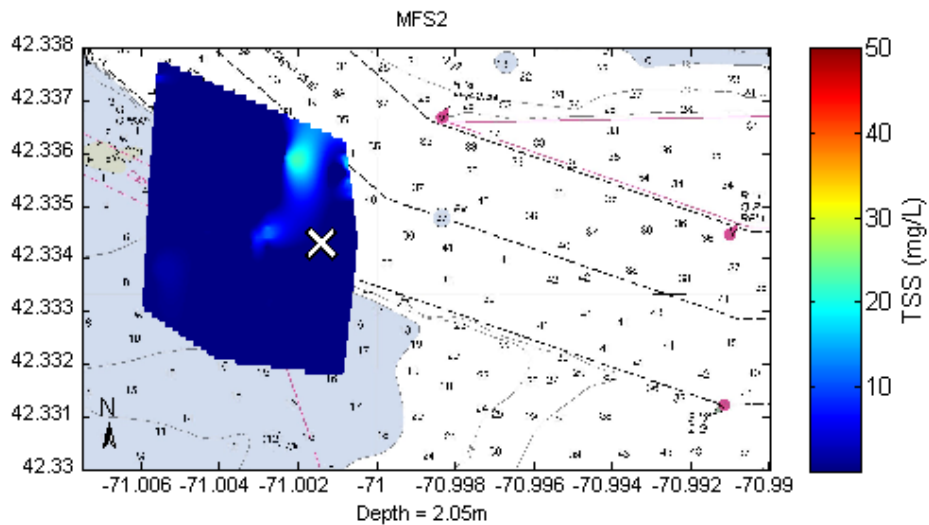


Figure A-30-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

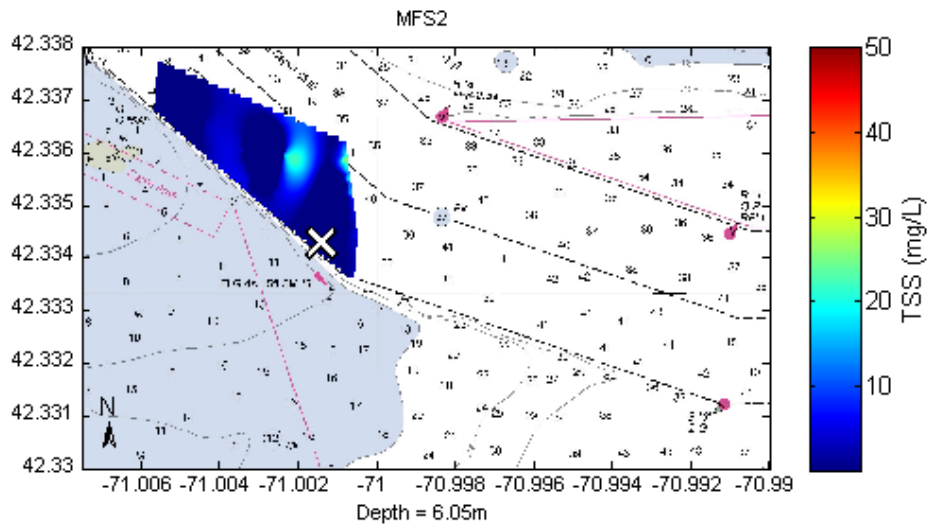


Figure A-30-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

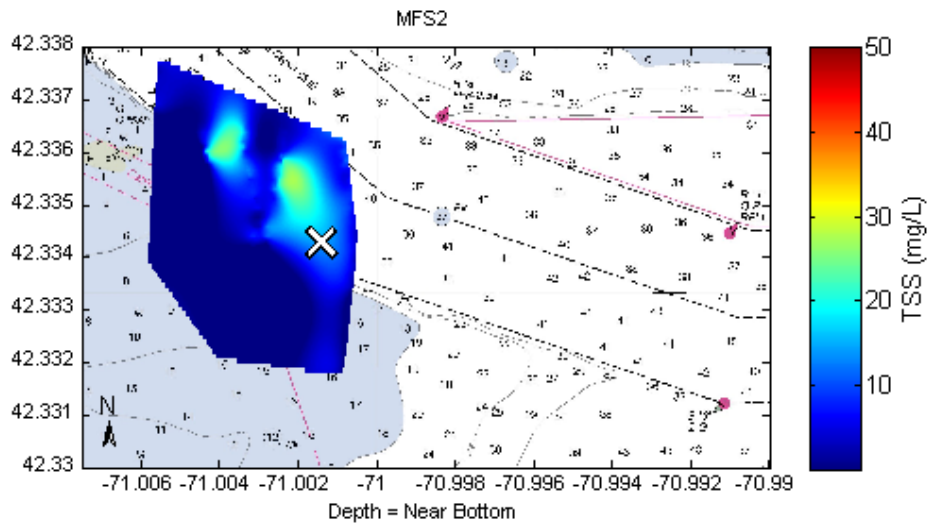


Figure A-30-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second Max Flood in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

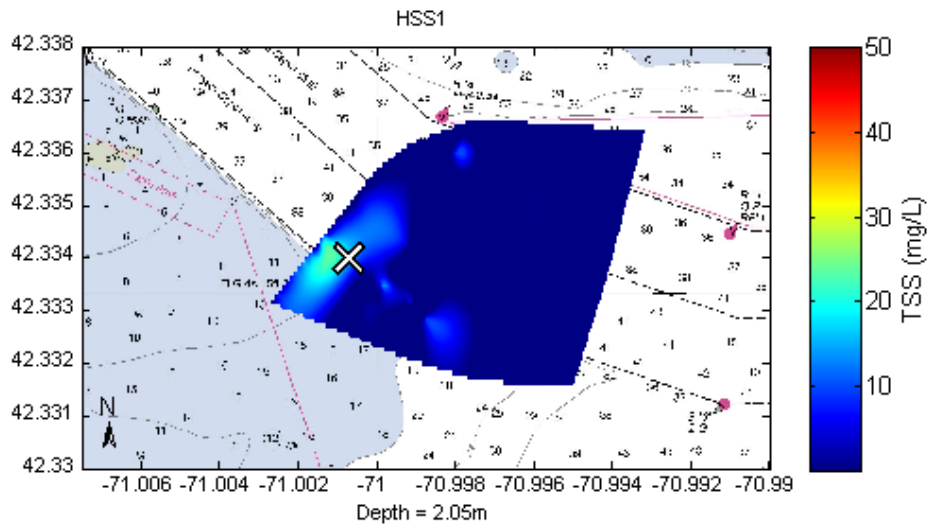


Figure A-31-a. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

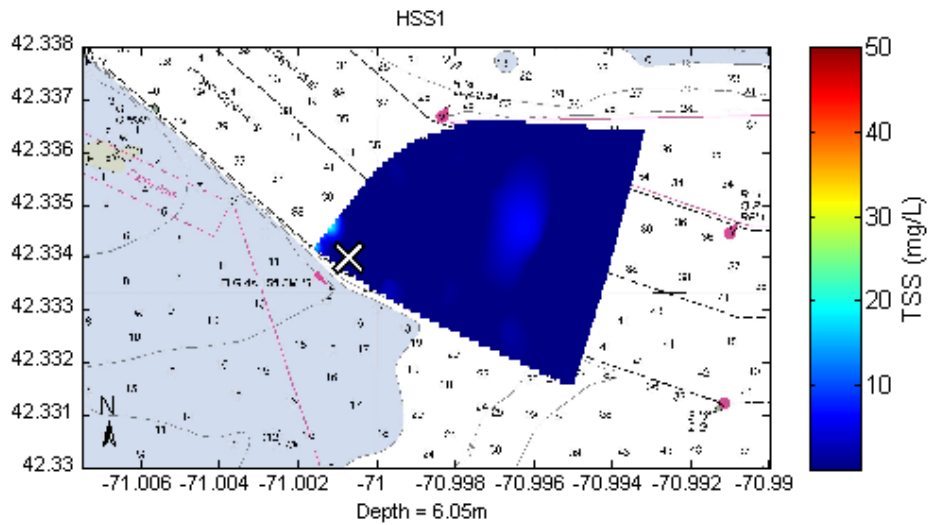


Figure A-31-b. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

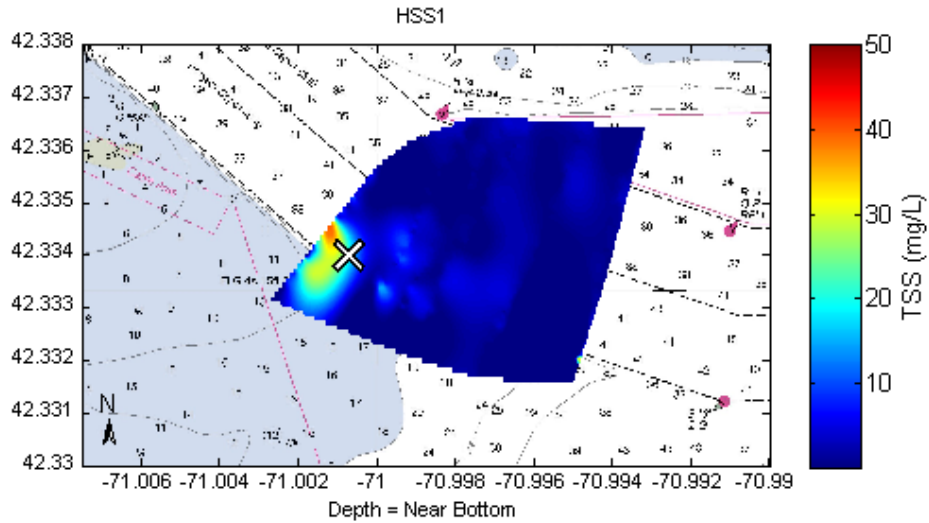


Figure A-31-c. Suspended Sediment Concentration (TSS) Measured with ADCP during First High Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

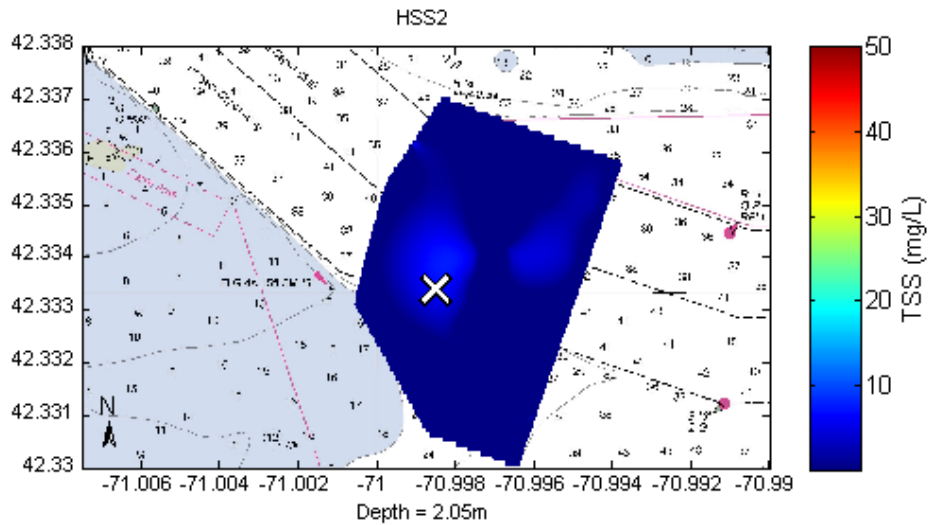


Figure A-32-a. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-surface.

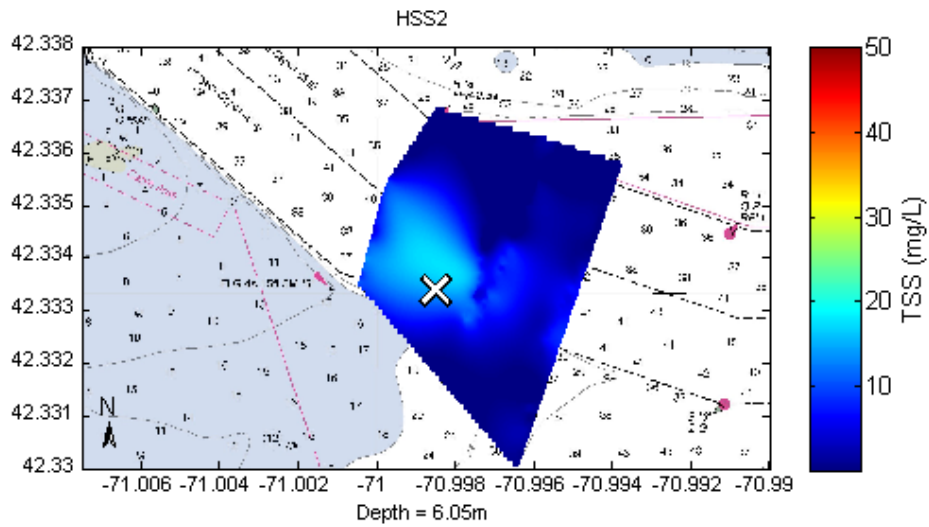


Figure A-32-b. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP mid-depth.

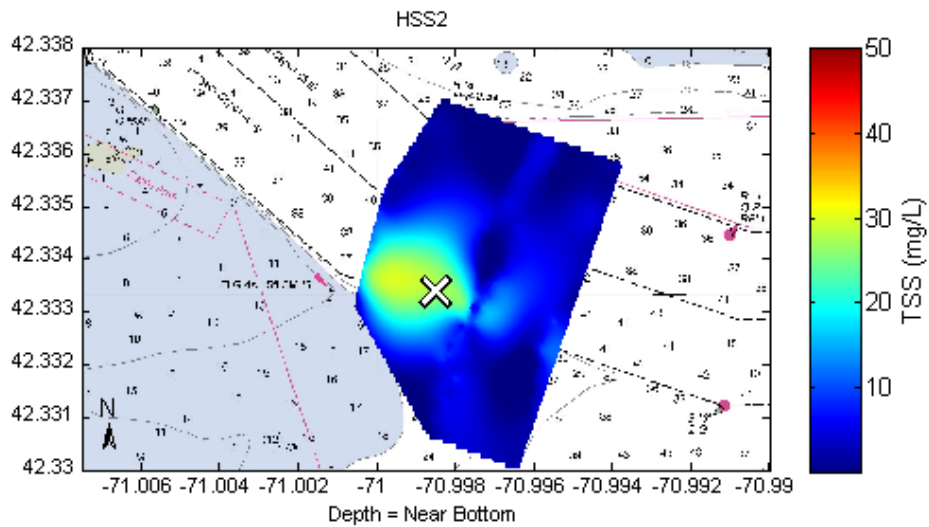


Figure A-32-c. Suspended Sediment Concentration (TSS) Measured with ADCP during Second High Slack in the Southern MSC. Shown are plan-view contours of TSS measured with ADCP near-bottom.

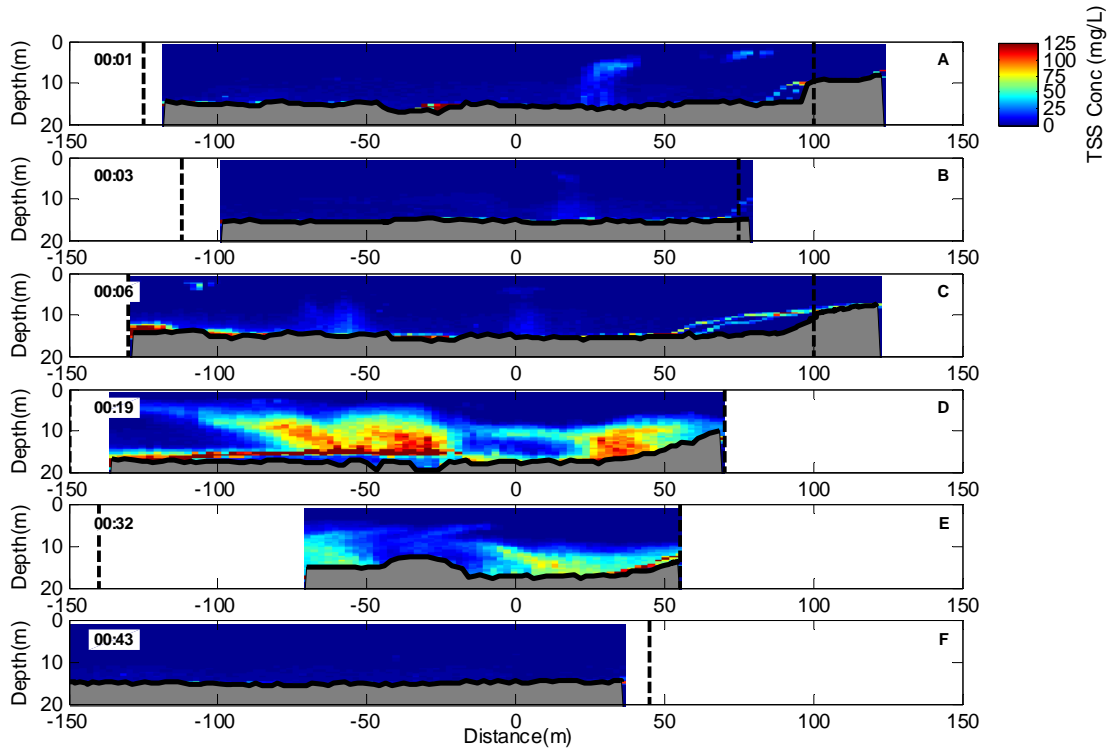


Figure A-33. Suspended Sediment Concentration (TSS) Measured with ADCP during July 1, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented are vertical slices of TSS (above background) measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

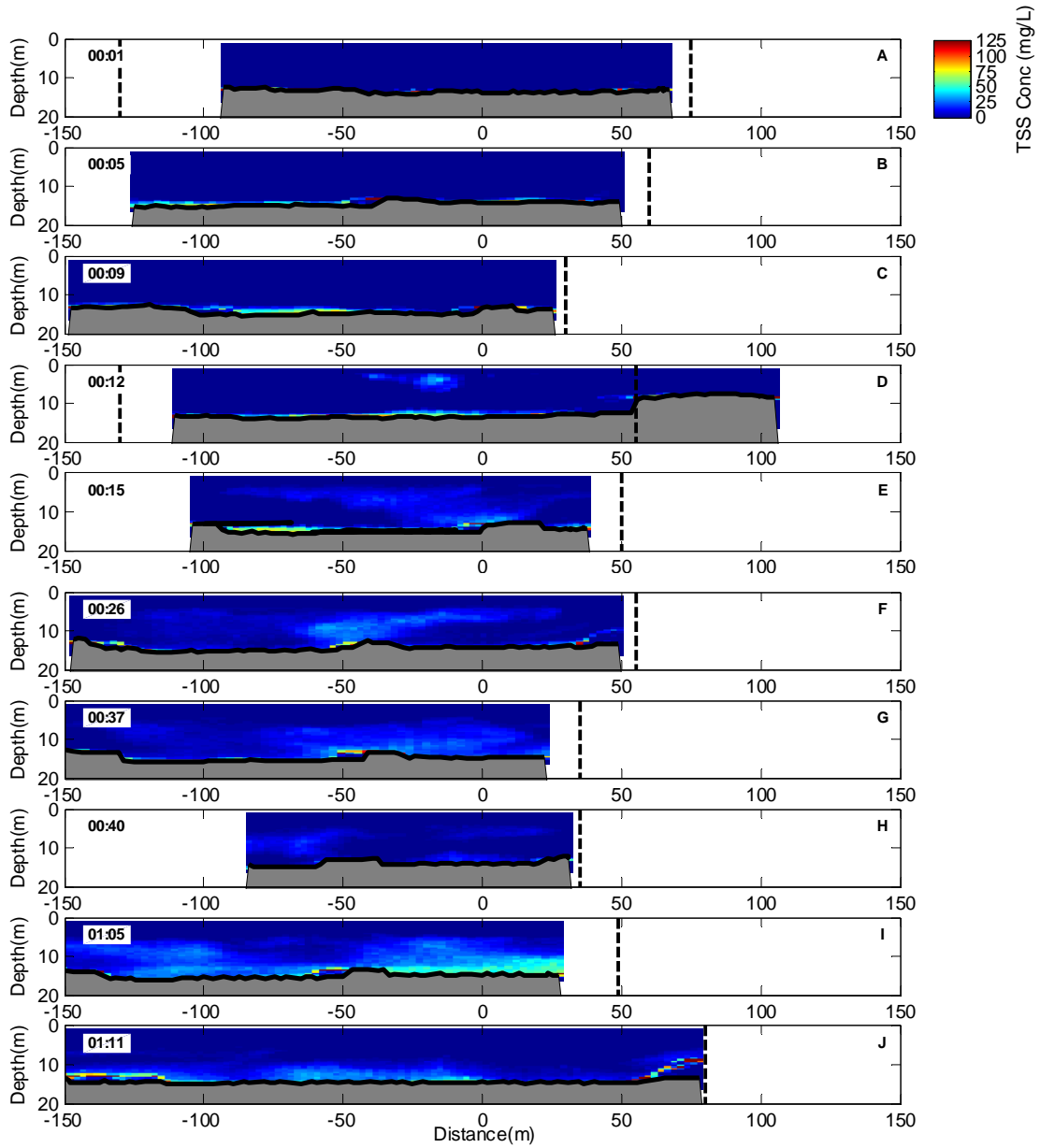


Figure A-34. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008
Low Slack Disposal into the Mystic River CAD Cell. Presented are vertical slices of TSS (above background) measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

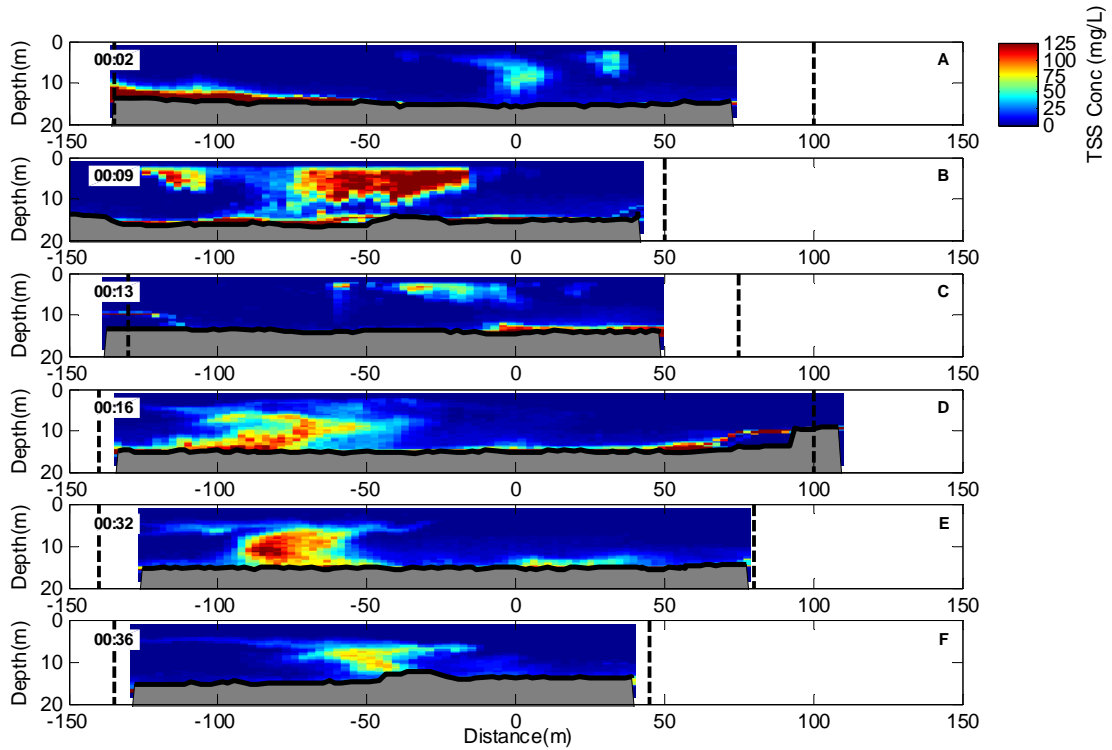


Figure A-35. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented are vertical slices of TSS (above background) measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

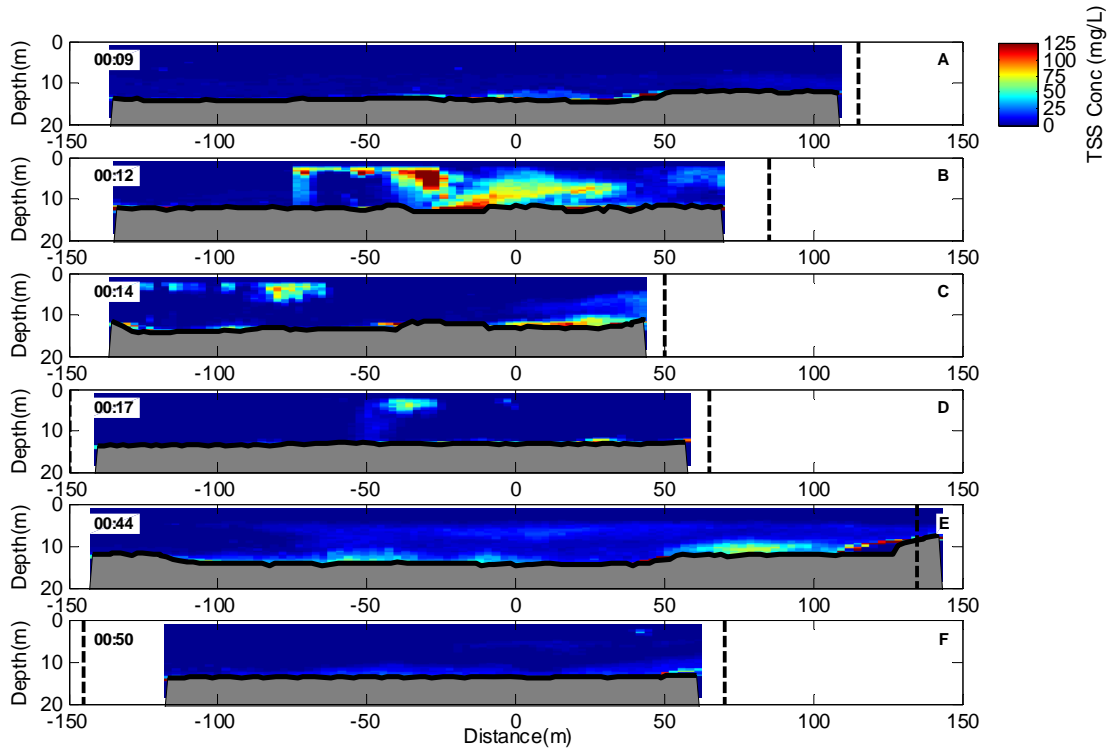


Figure A-36. Suspended Sediment Concentration (TSS) Measured with ADCP during October 27, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented are vertical slices of TSS (above background) measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

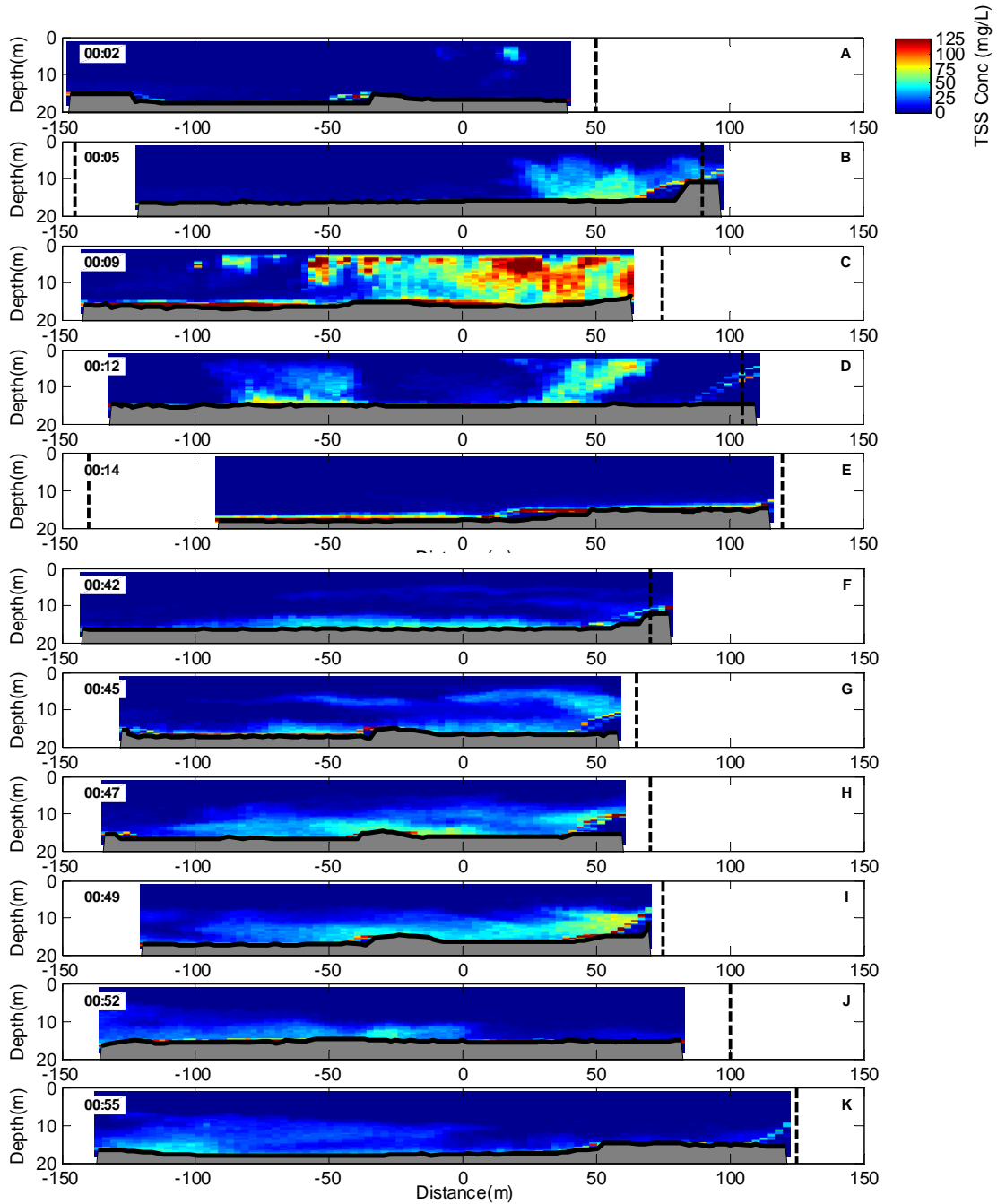


Figure A-37. Suspended Sediment Concentration (TSS) Measured with ADCP during October 28, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented are vertical slices of TSS (above background) measured with ADCP along each vessel transect. The approximate location of the channel boundaries are shown as dashed lines.

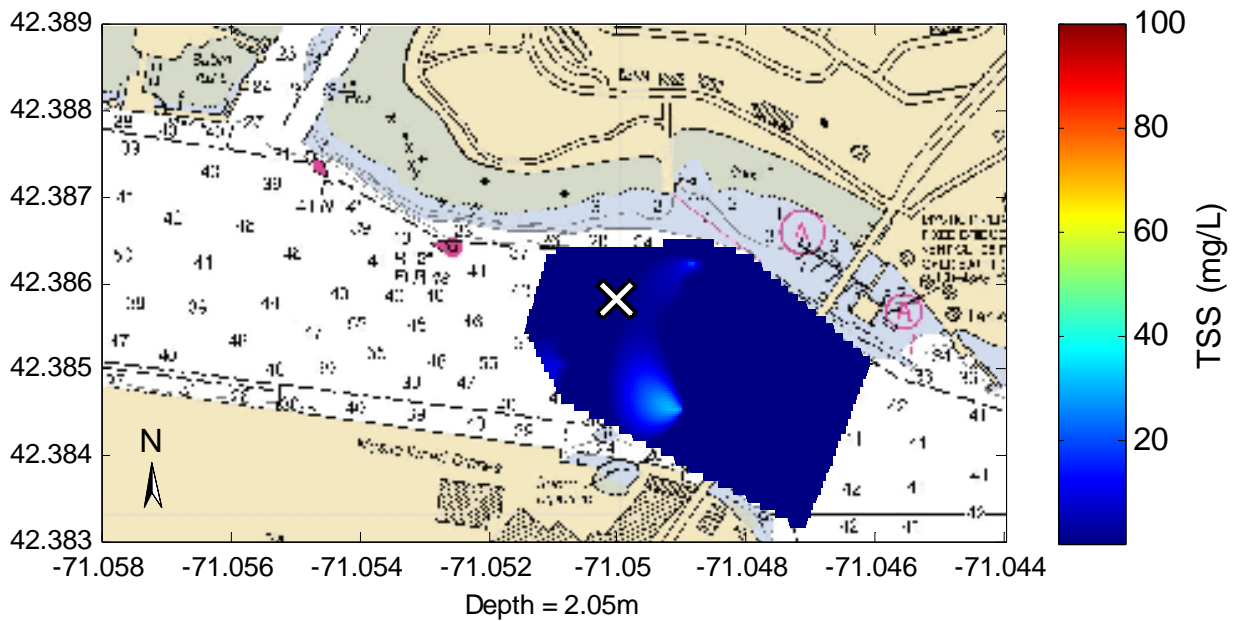


Figure A-38-a. Suspended Sediment Concentration (TSS) Measured with ADCP during July 1, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-surface.

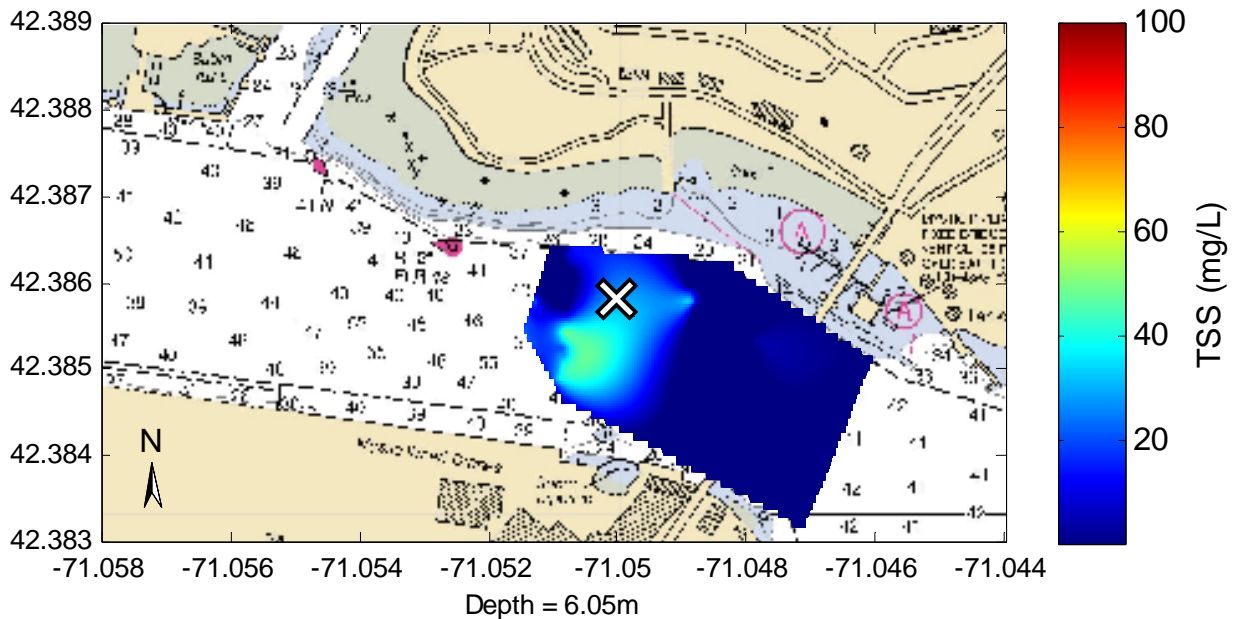


Figure A-38-b. Suspended Sediment Concentration (TSS) Measured with ADCP during July 1, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP mid-depth.

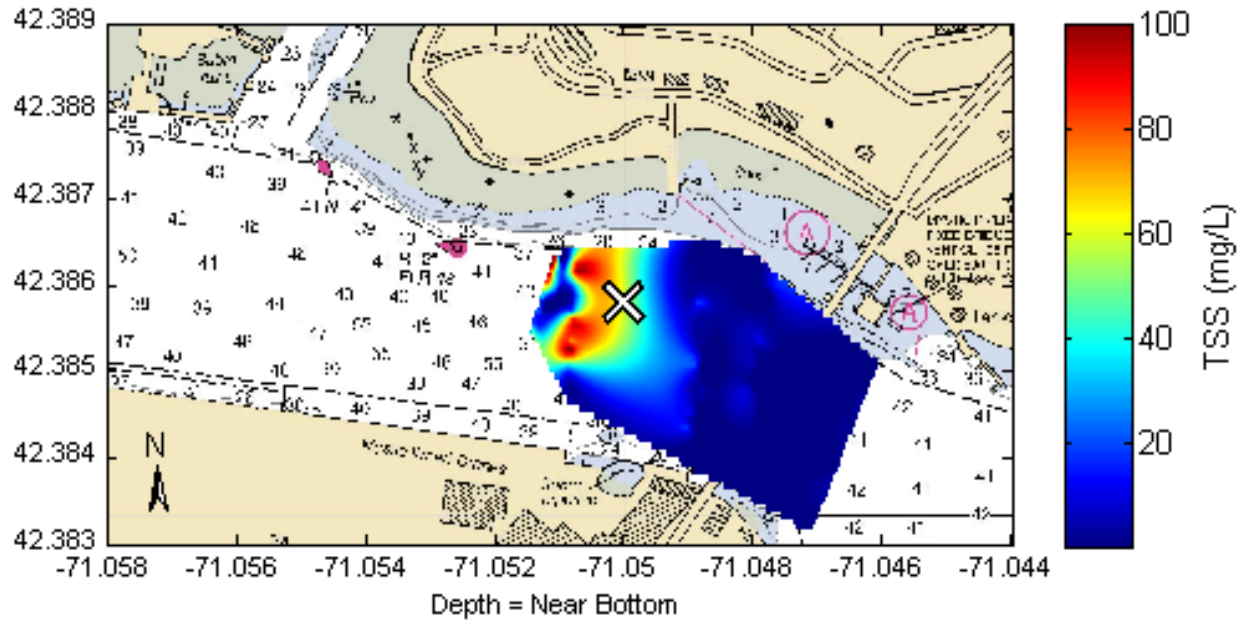


Figure A-38-c. Suspended Sediment Concentration (TSS) Measured with ADCP during July 1, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-bottom.

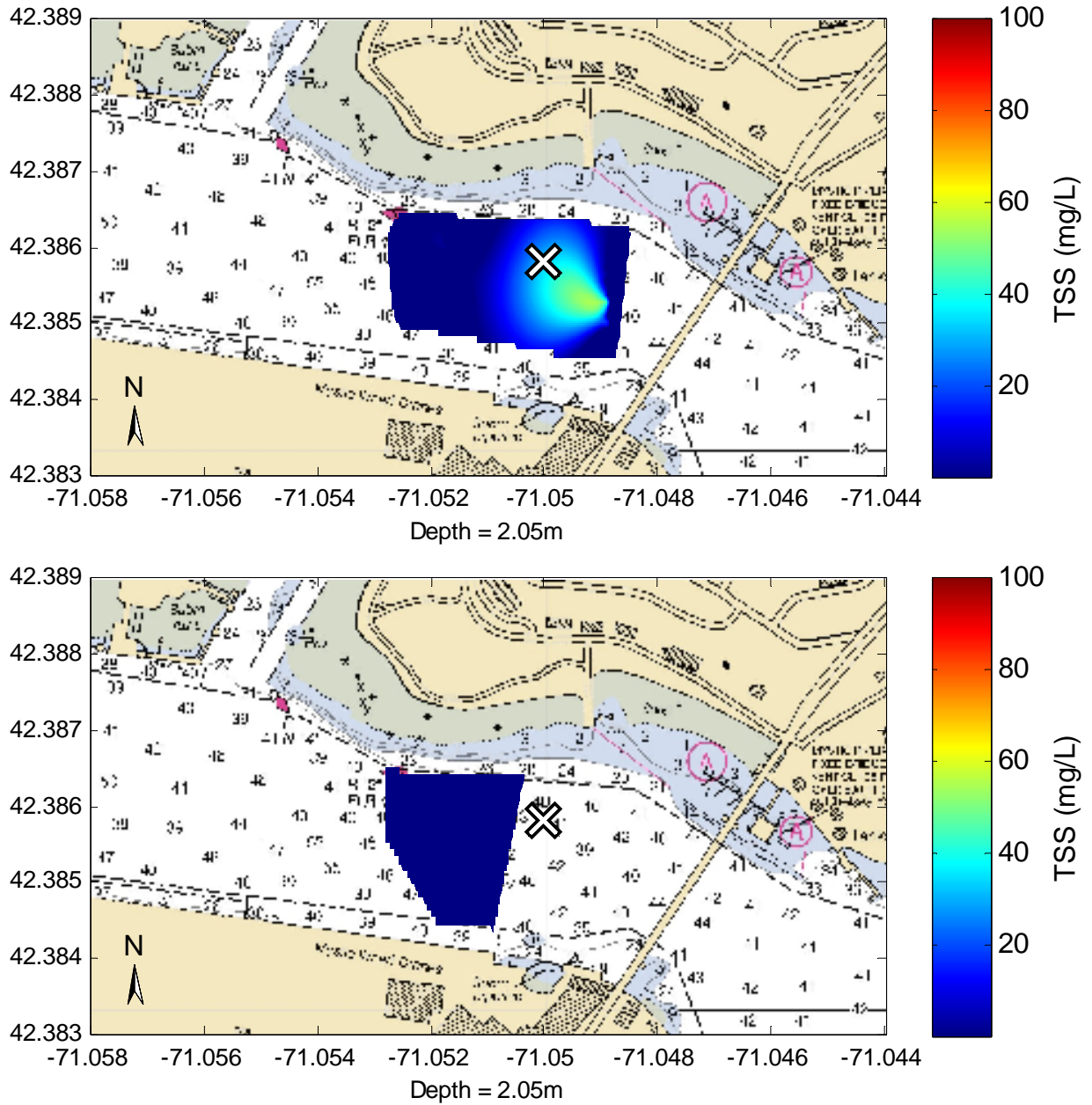


Figure A-39-a. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented are the plan-view contours of TSS (above background) measured with ADCP near-surface from 1 to 15 minutes (upper) and from 26 to 71 minutes (lower).

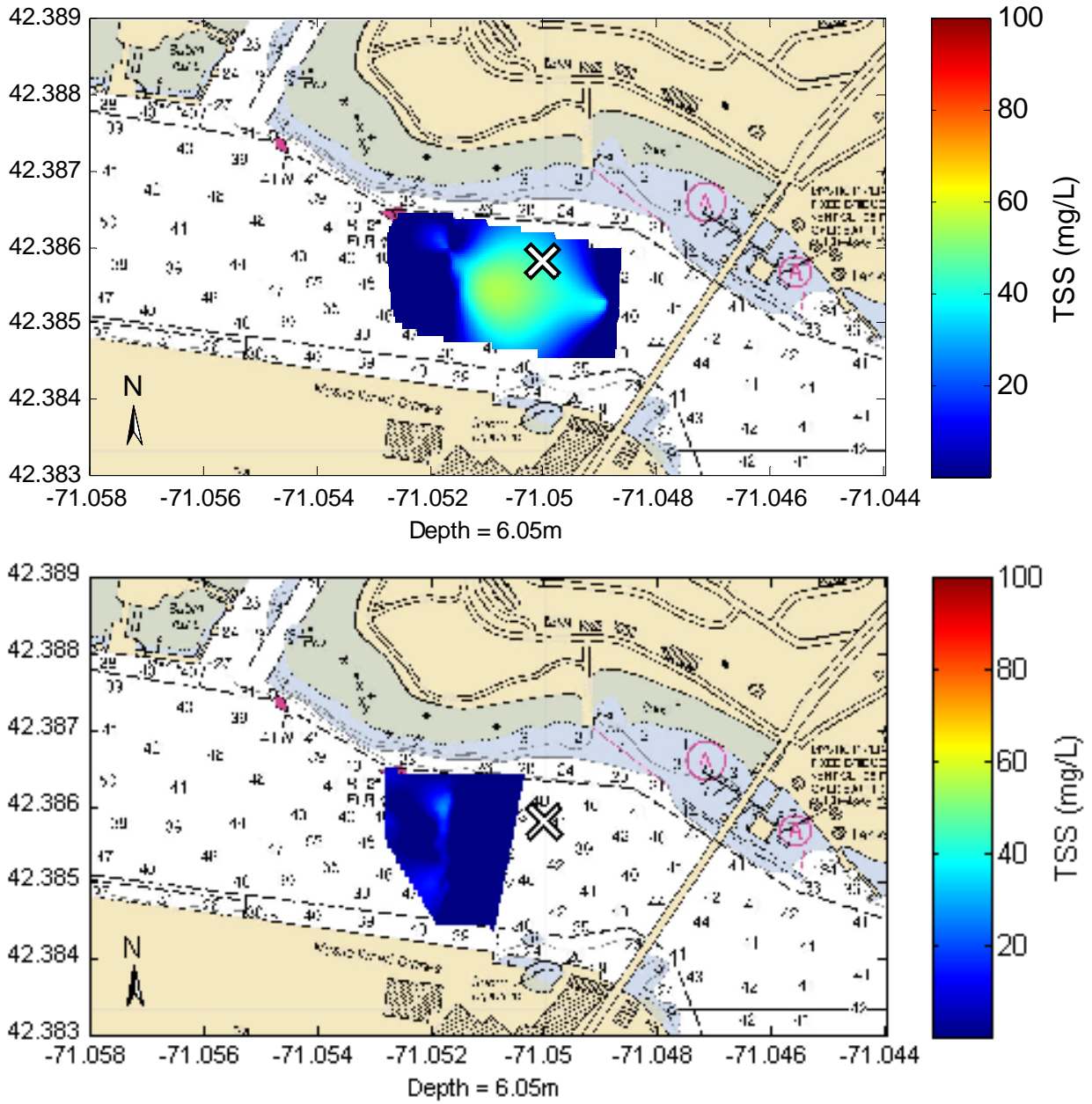


Figure A-39-b. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP mid-depth from 1 to 15 minutes (upper) and from 26 to 71 minutes (lower).

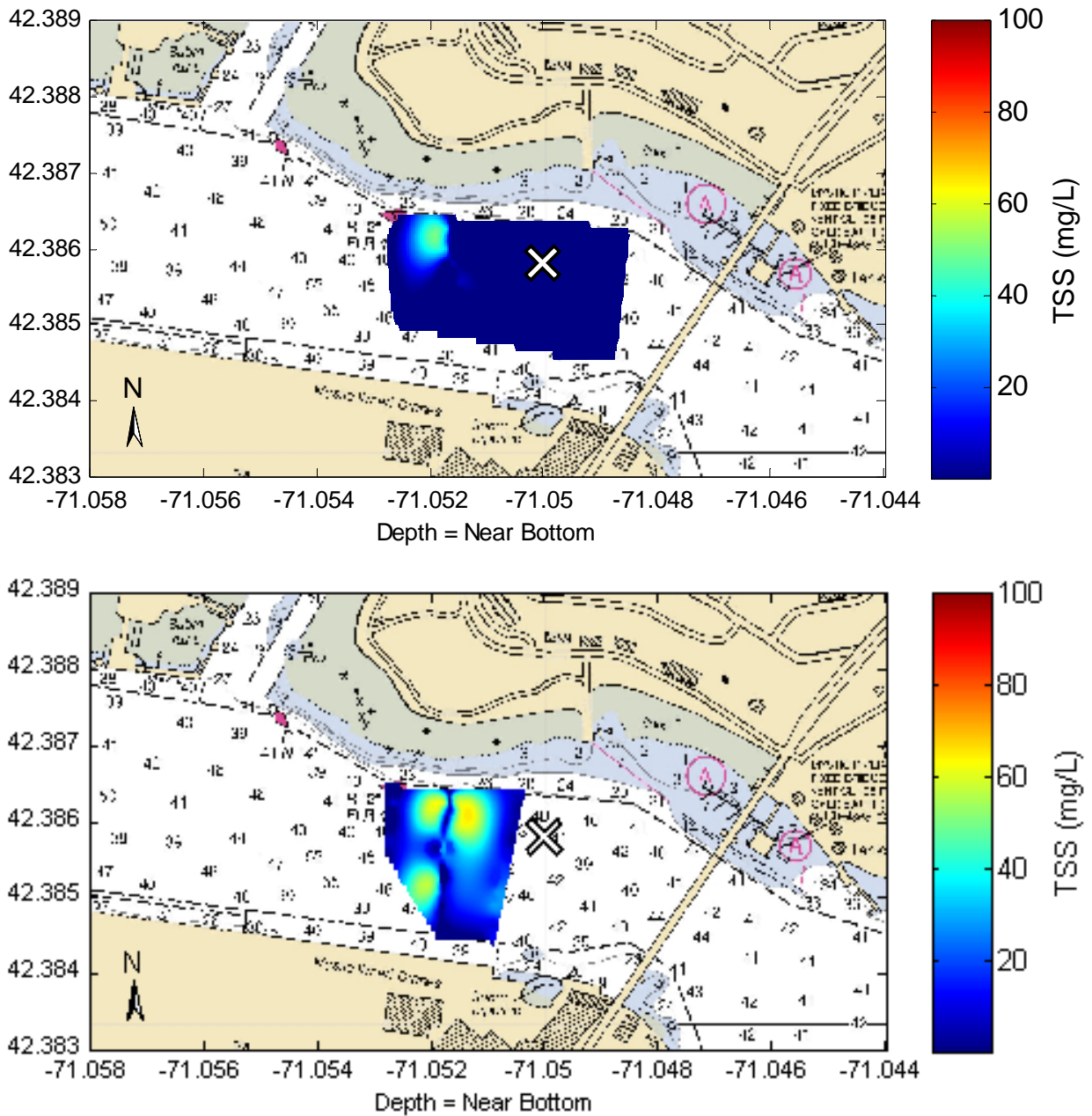


Figure A-39-c. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-bottom from 1 to 15 minutes (upper) and from 26 to 71 minutes (lower).

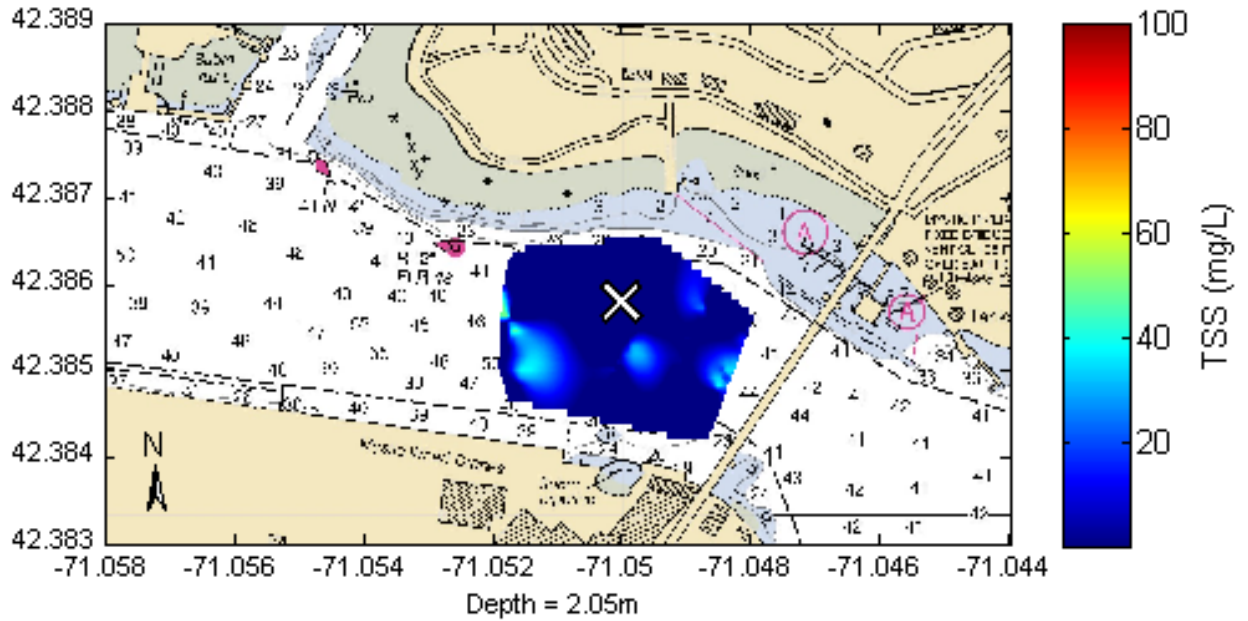


Figure A-40-a. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-surface.

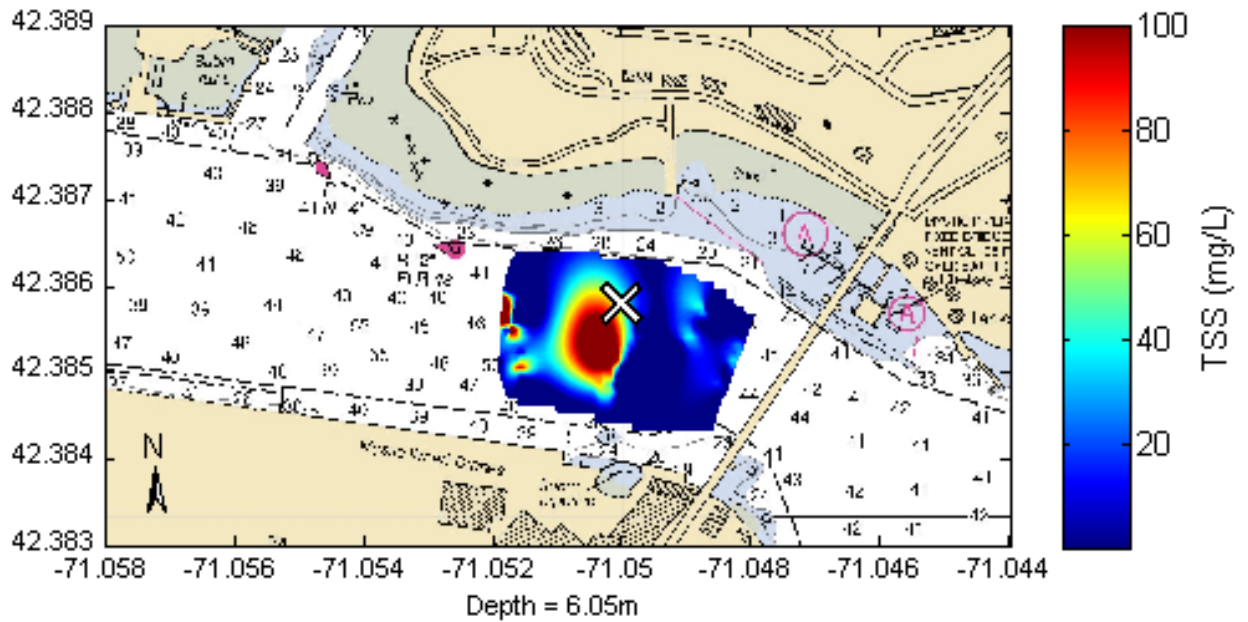


Figure A-40-b. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP mid-depth.

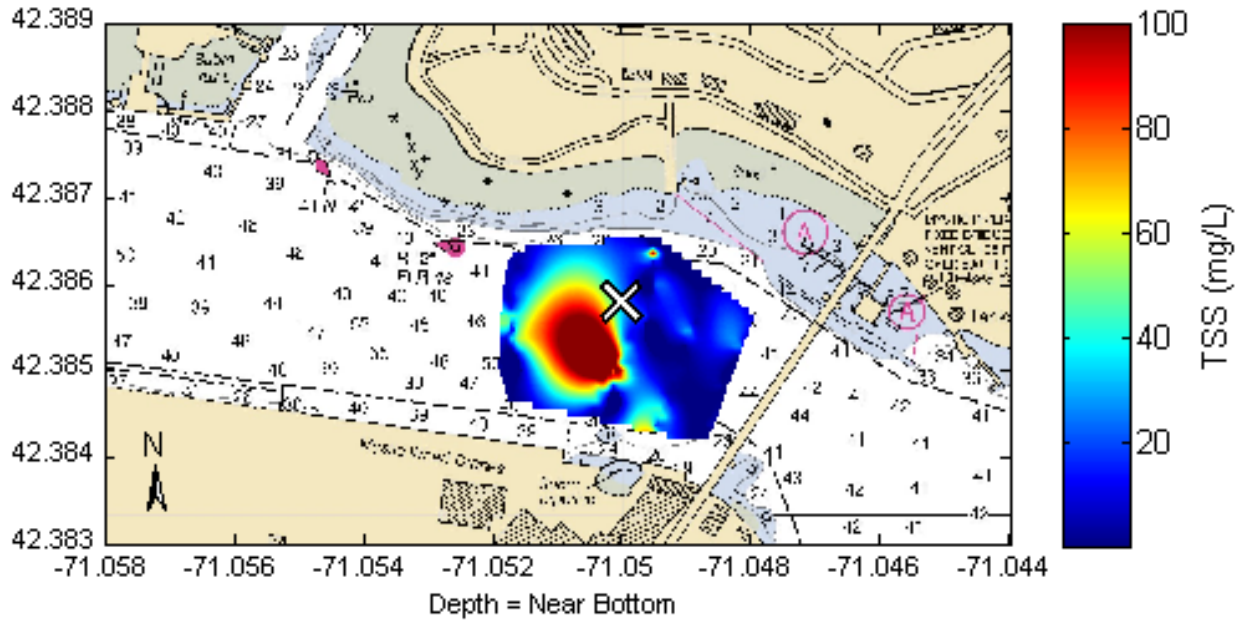


Figure A-40-c. Suspended Sediment Concentration (TSS) Measured with ADCP during October 3, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-bottom.

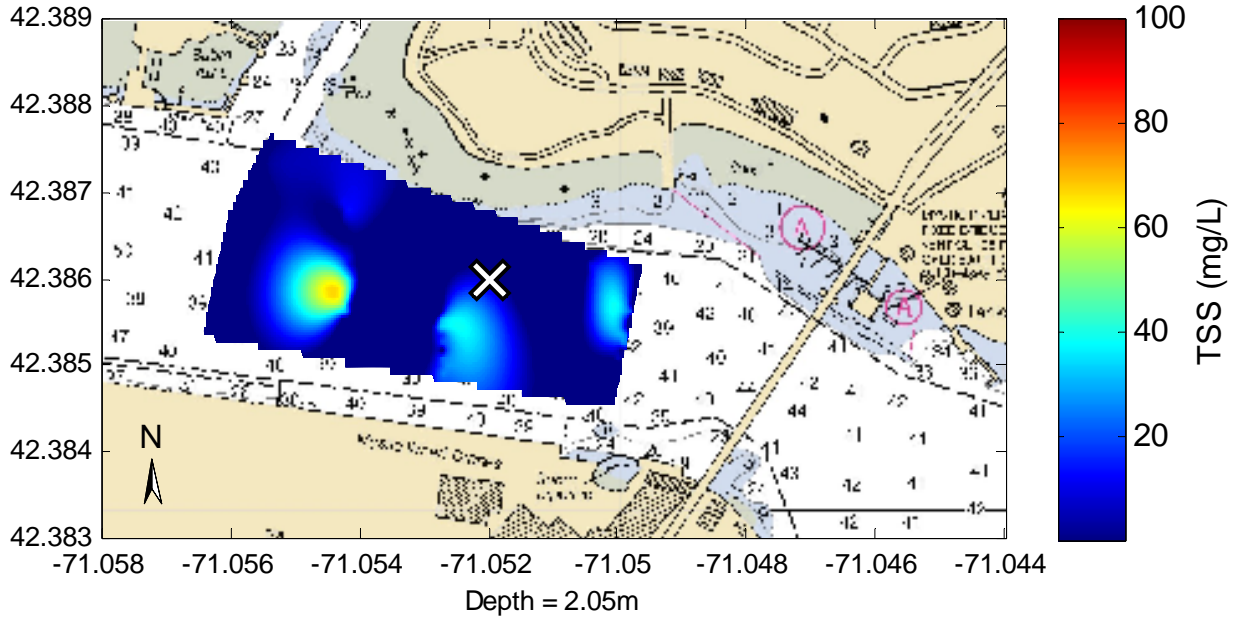


Figure A-41-a. Suspended Sediment Concentration (TSS) Measured with ADCP during October 27, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-surface.

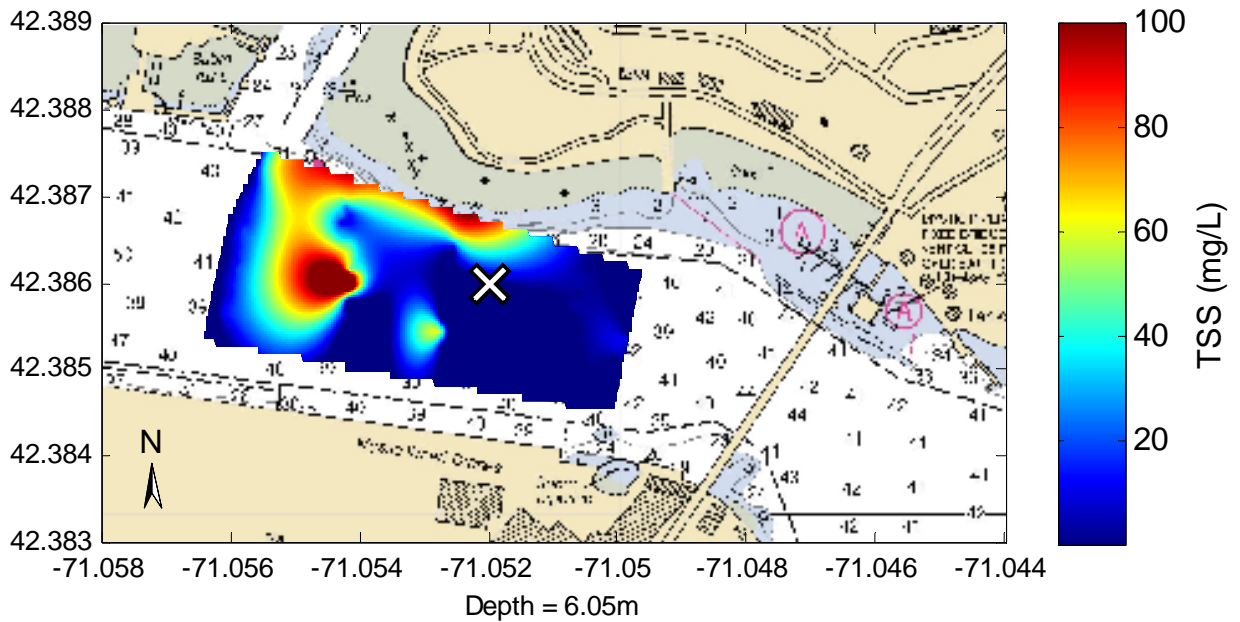


Figure A-41-b. Suspended Sediment Concentration (TSS) Measured with ADCP during October 27, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP mid-depth.

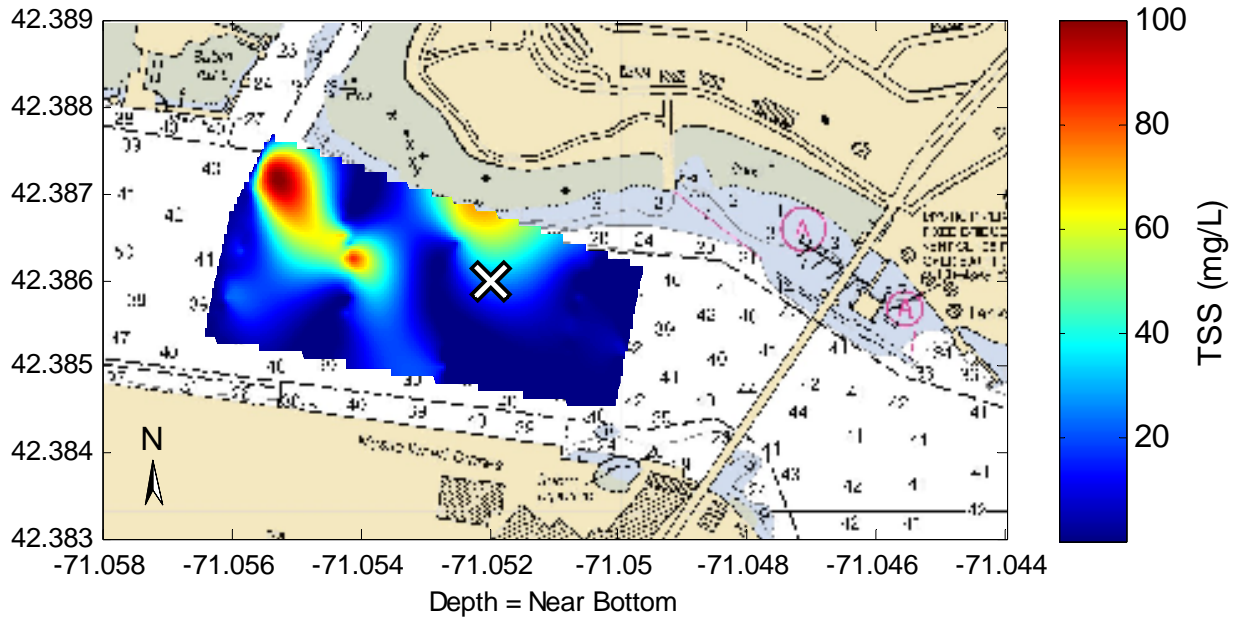


Figure A-41-c. Suspended Sediment Concentration (TSS) Measured with ADCP during October 27, 2008 Low Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-bottom.

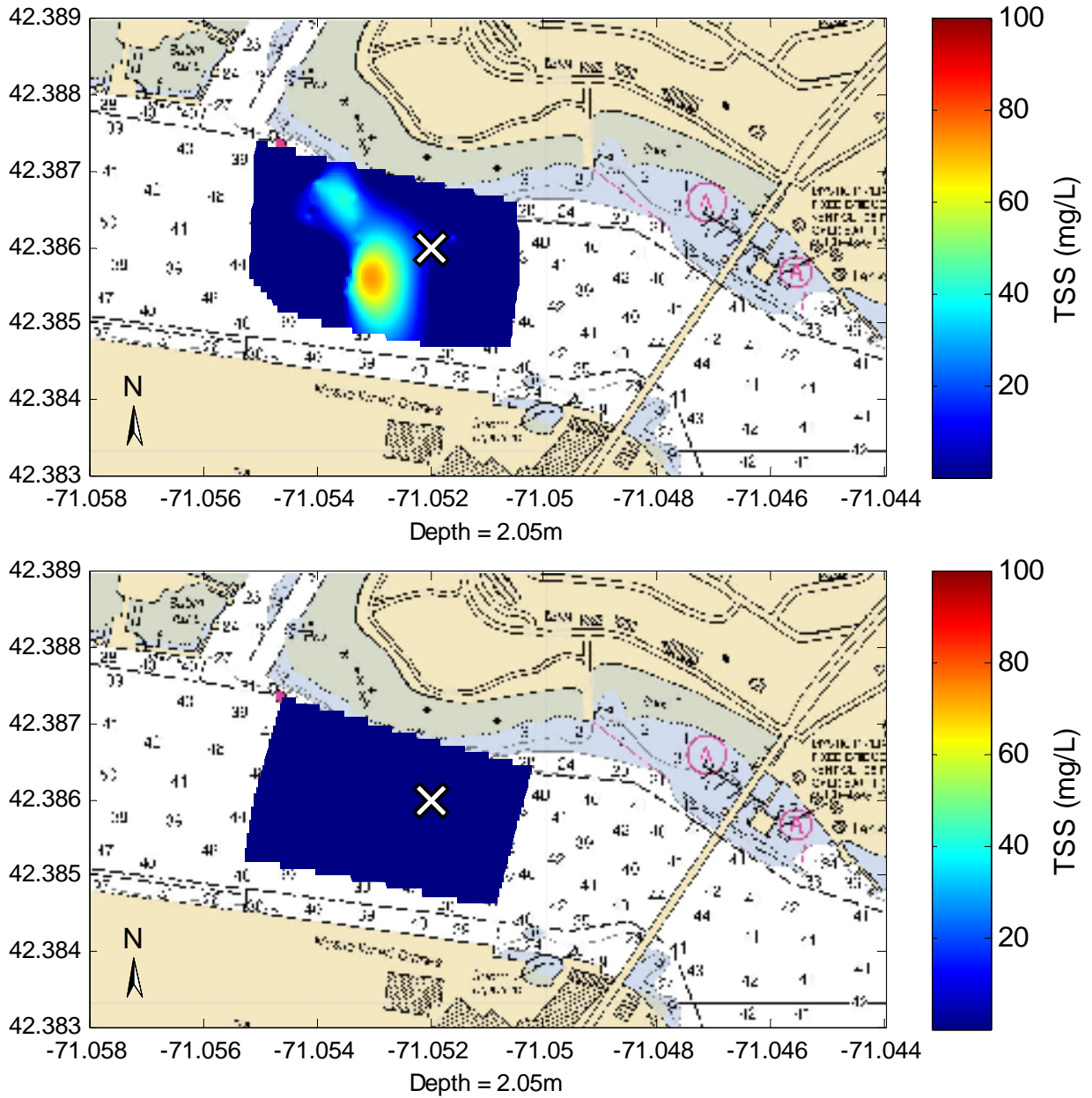


Figure A-42-a. Suspended Sediment Concentration (TSS) Measured with ADCP during October 28, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented are the plan-view contours of TSS (above background) measured with ADCP near-surface from 2 to 14 minutes (upper) and from 42 to 55 minutes (lower).

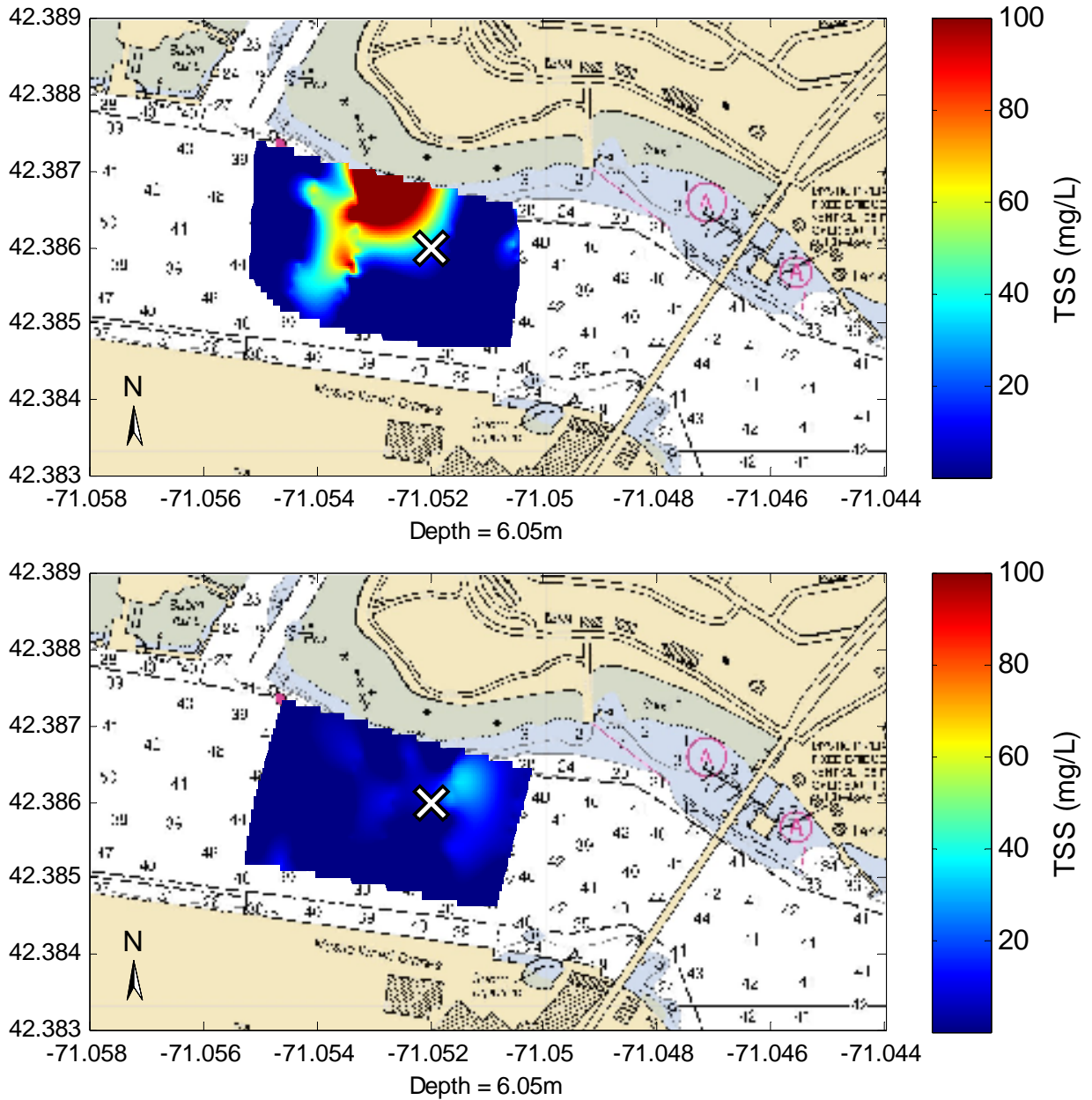


Figure A-42-b. Suspended Sediment Concentration (TSS) Measured with ADCP during October 28, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP mid-depth from 2 to 14 minutes (upper) and from 42 to 55 minutes (lower).

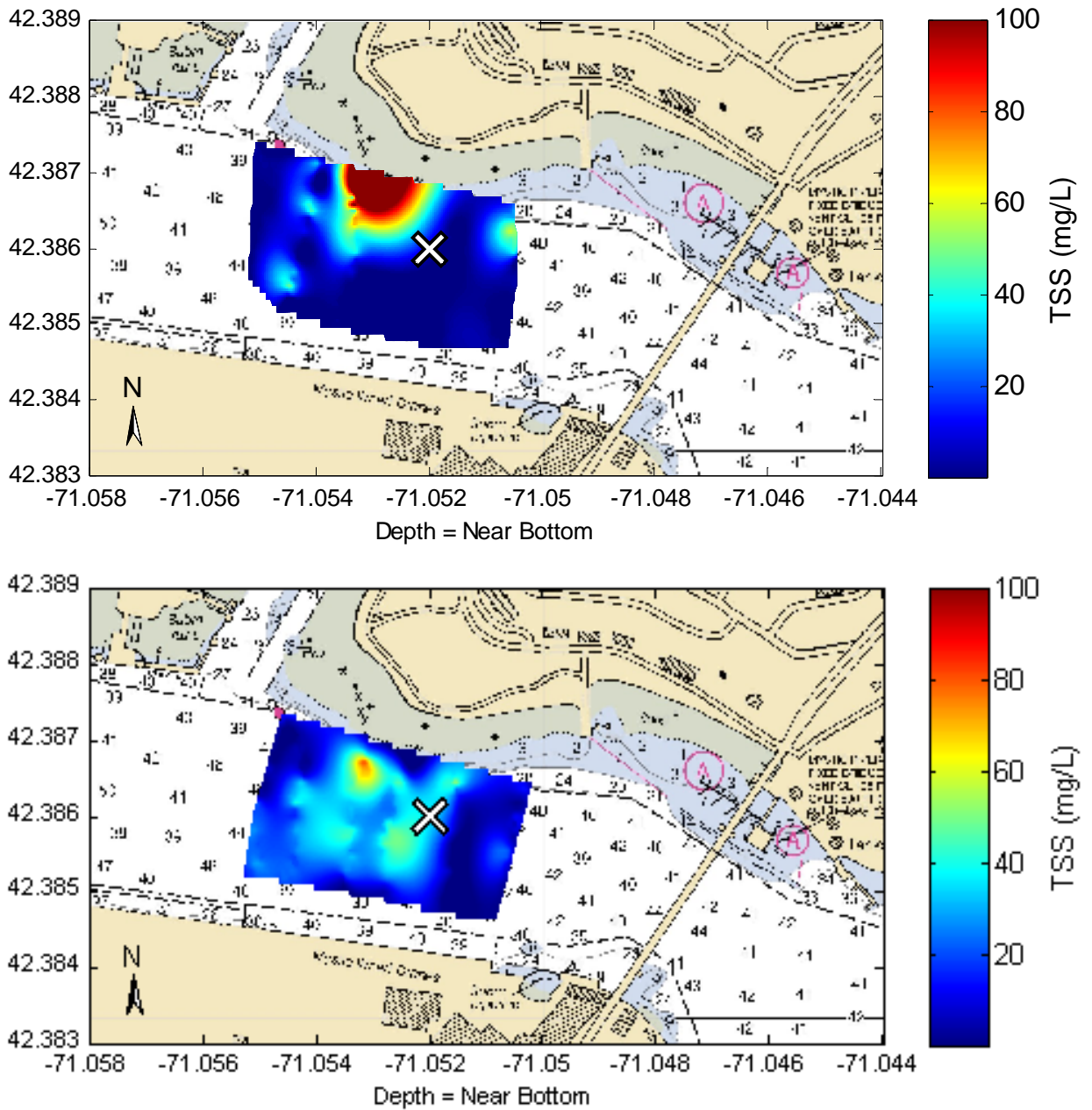


Figure A-42-c. Suspended Sediment Concentration (TSS) Measured with ADCP during October 28, 2008 High Slack Disposal into the Mystic River CAD Cell. Presented is the plan-view contour of TSS (above background) measured with ADCP near-bottom from 2 to 14 minutes (upper) and from 42 to 55 minutes (lower).