

Model-Appendix

Tracking the discharge of a waste water treatment plant in Casco Bay, Maine with a numerical coastal model.

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This appendix includes graphs that are provided to supplement the work in the above article.

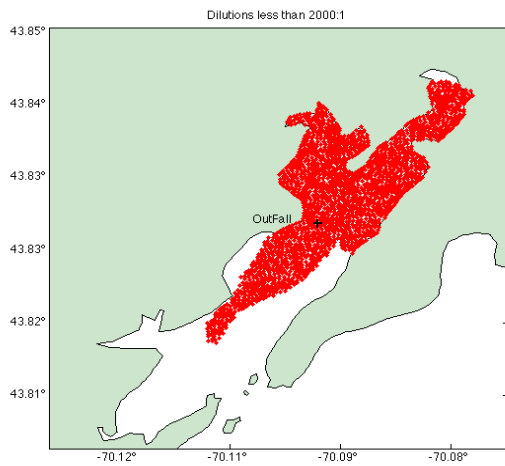


Figure 1. Dilutions below 2000:1

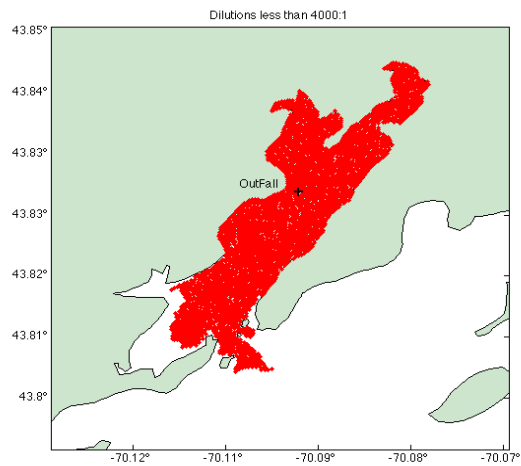
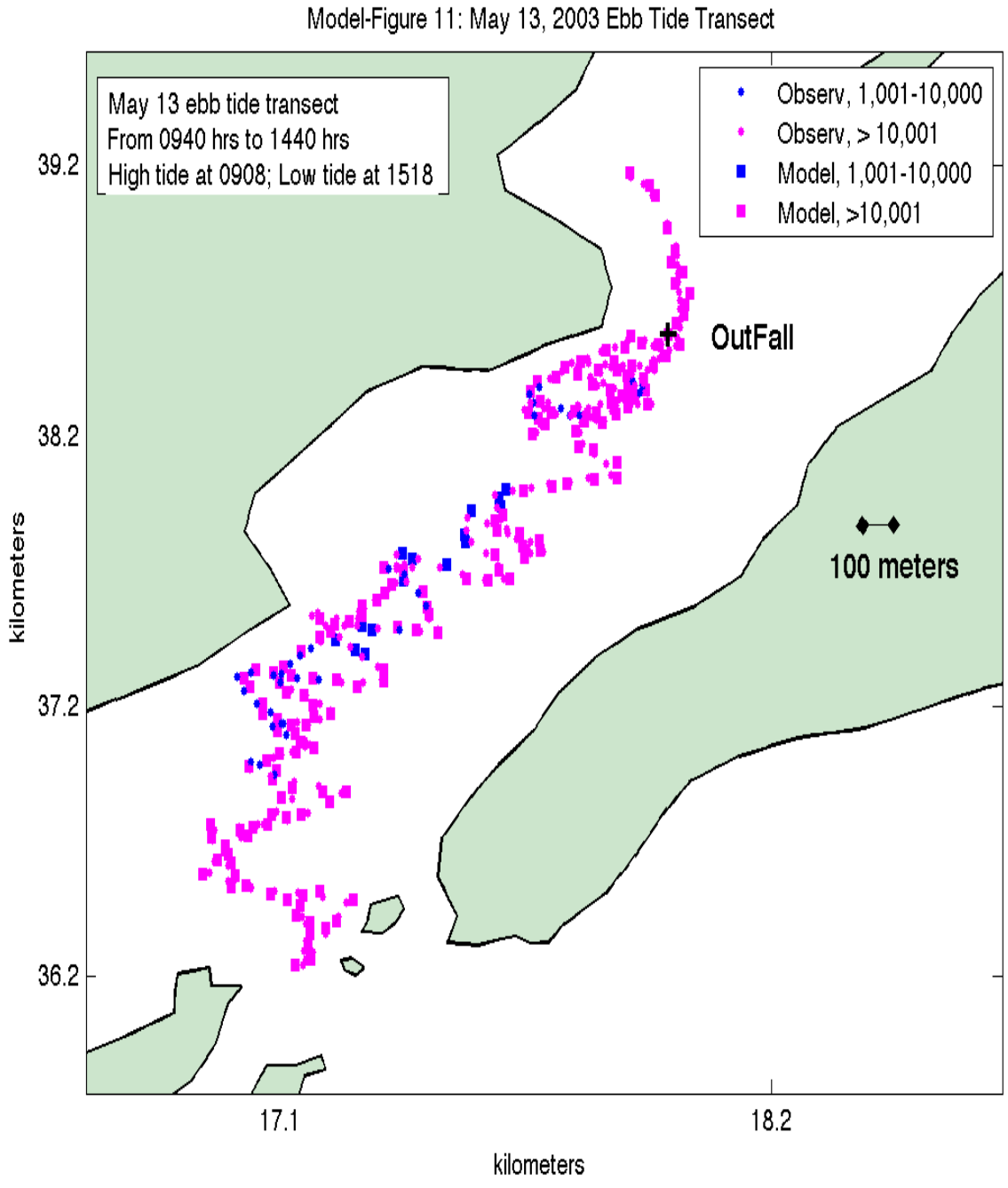


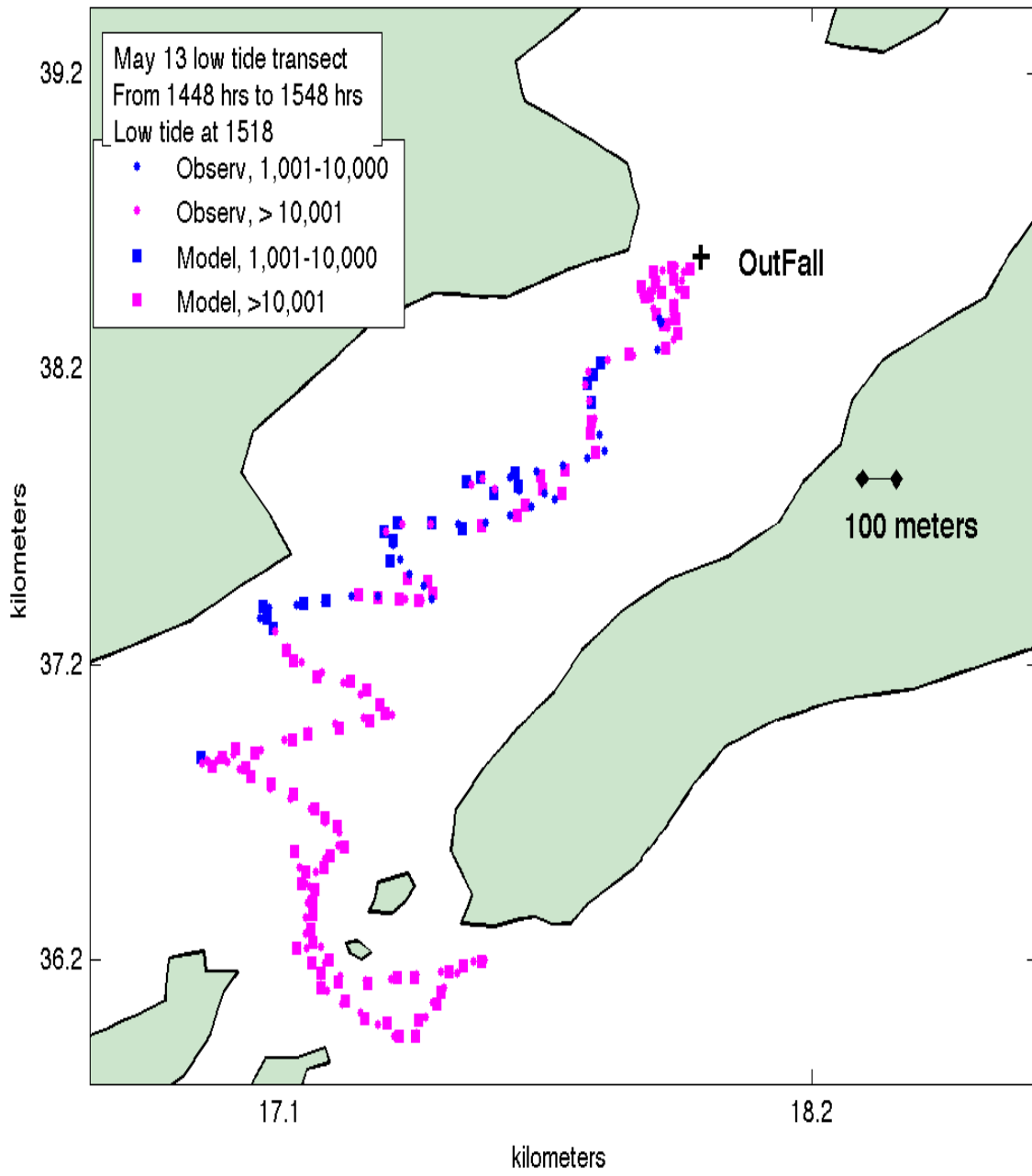
Figure 2. Dilutions below 4000:1

Figures 1 and 2 are described in the article in section B of the Results. The numerical model output was searched for locations where dilutions of dye concentrations are met at least once during the 48 hour dye injection. Figures 1 and 2 show all locations where dilutions were below 2000:1 and 4000:1 respectively.

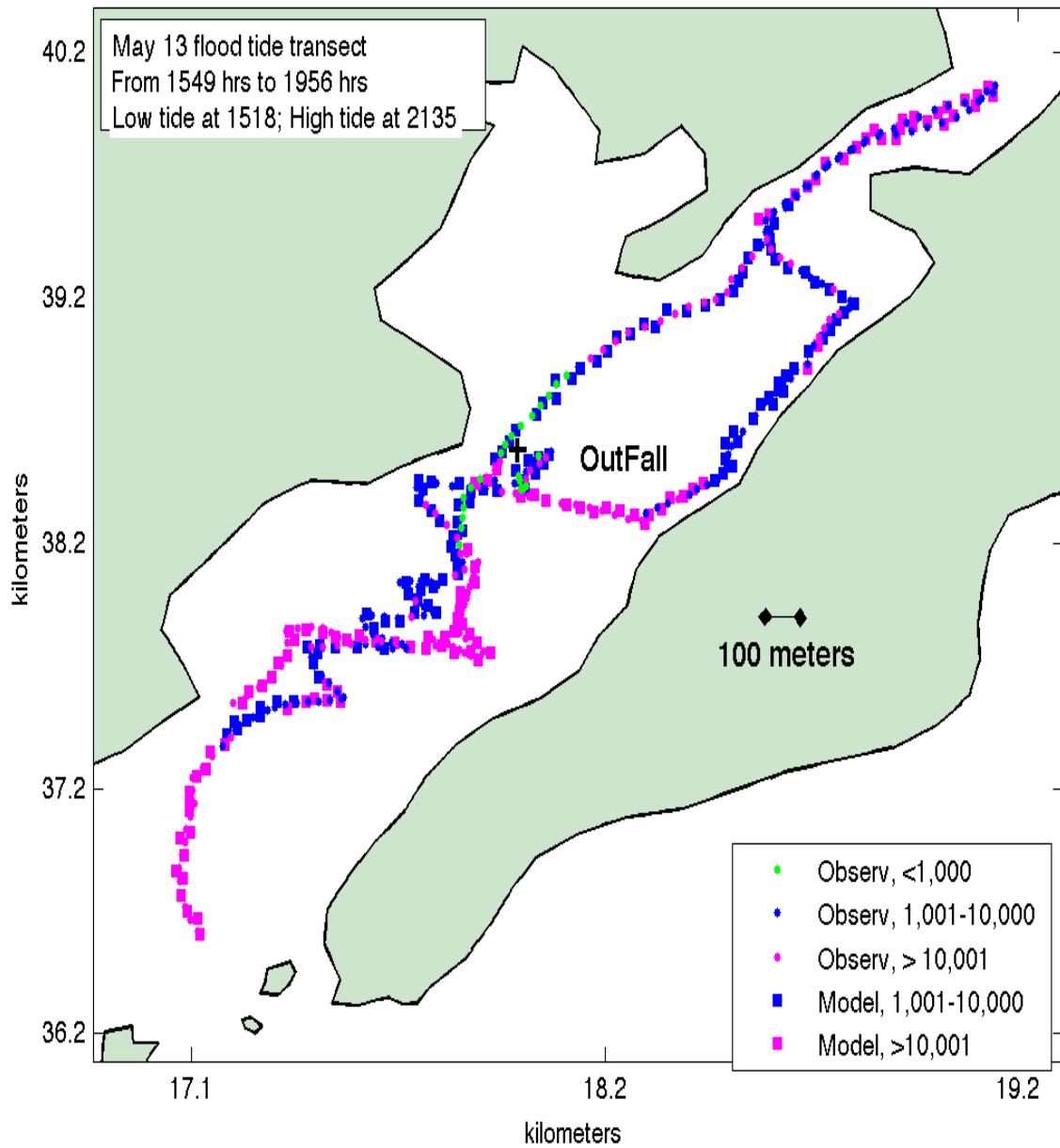
The next ten figures are labelled as Model-Figure 11, 13A, 13B, 14, 15, 16, 17, 18, 19, 20 to coincide with the figure numbers in the report by Livingston(2007). The dilution ranges from both the observations and the model are shown on the same graph for comparison. The observed data are shown with colored circles, and the model results are shown with colored squares.



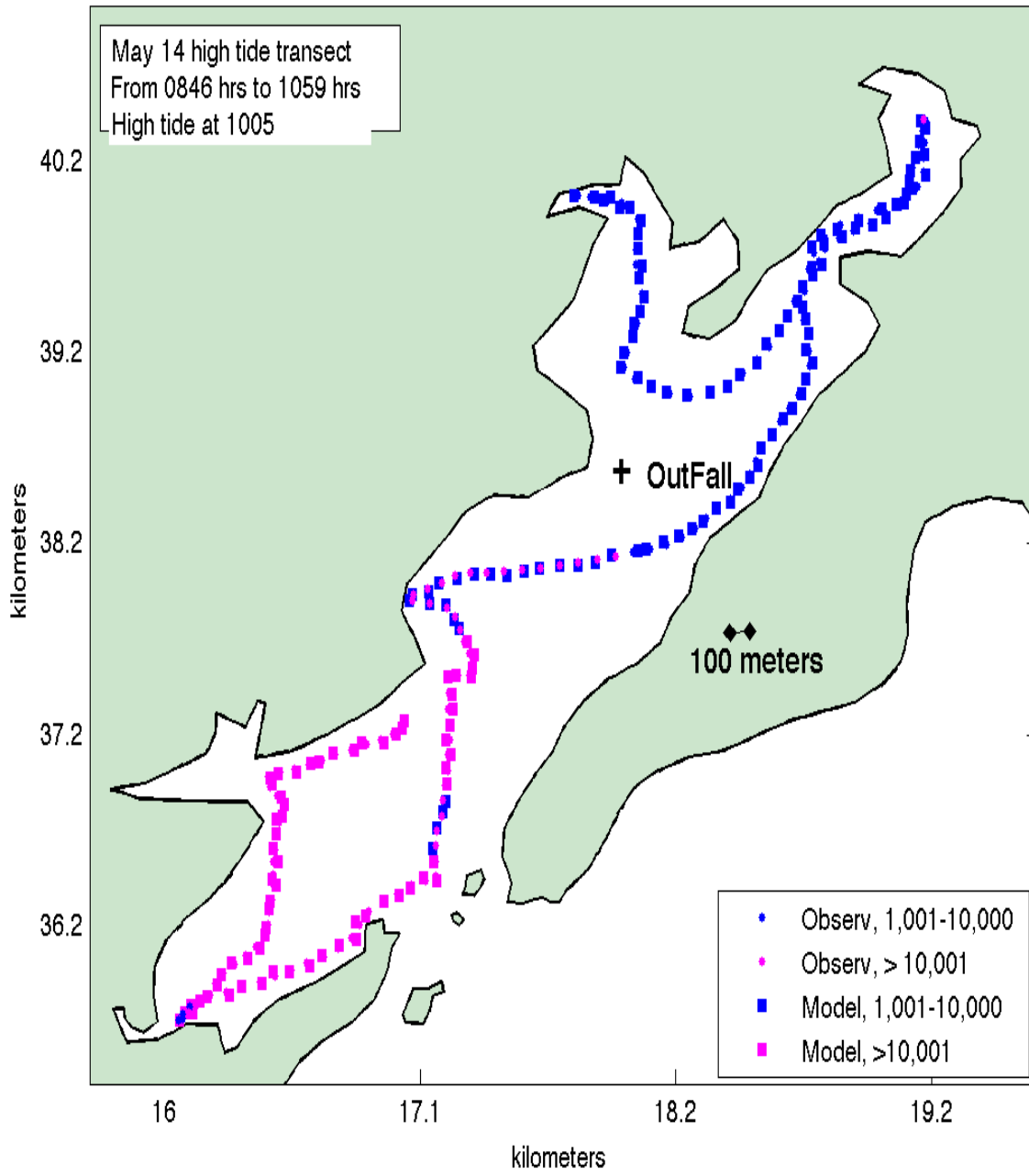
Model-Figure 13A: May 13,2003 Low Tide Transect



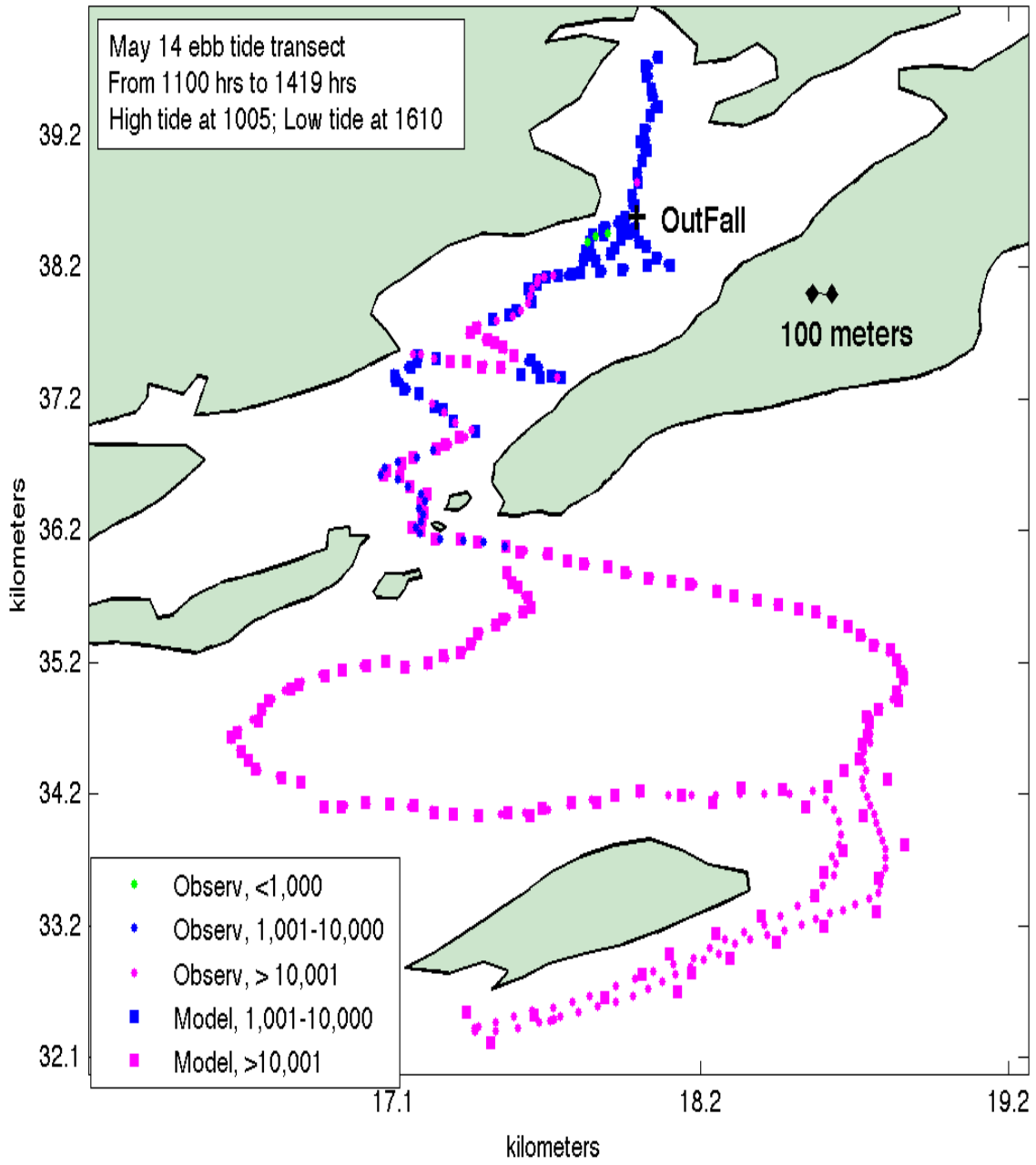
Model-Figure 13B: May 13,2003 Flood Tide Transect



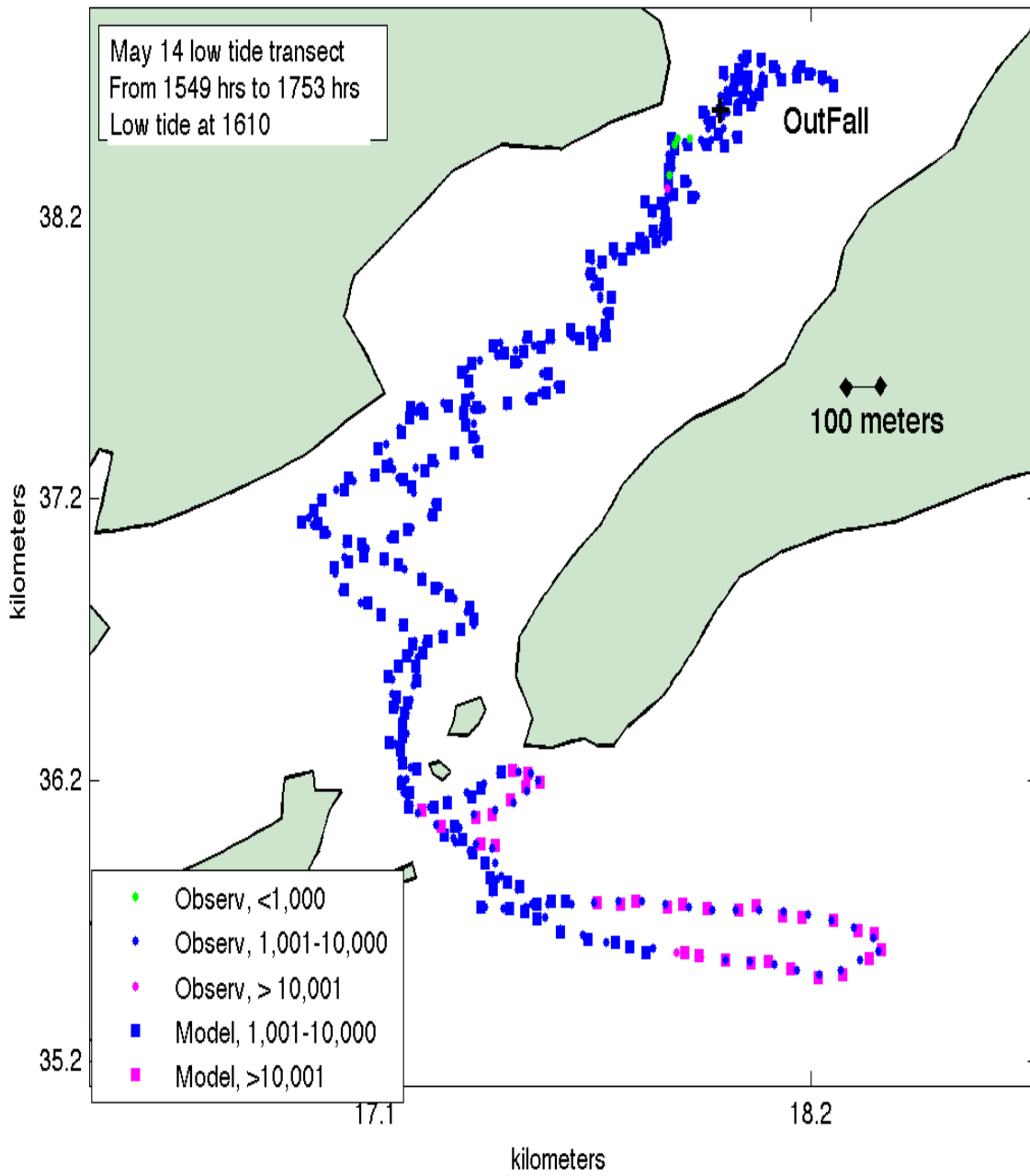
Model-Figure 14: May 14,2003 High Tide Transect



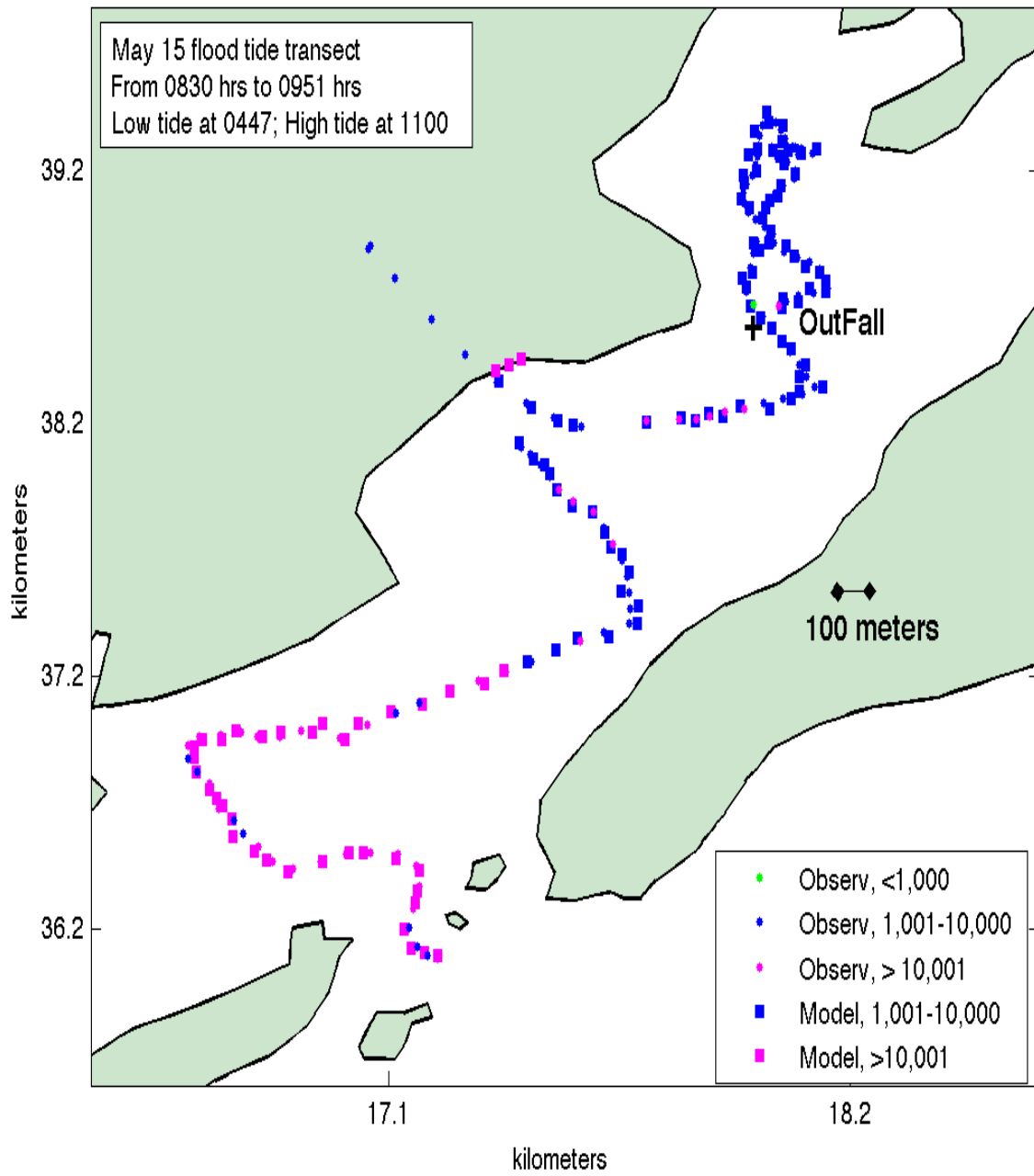
Model-Figure 15: May 14,2003 Ebb Tide Transect



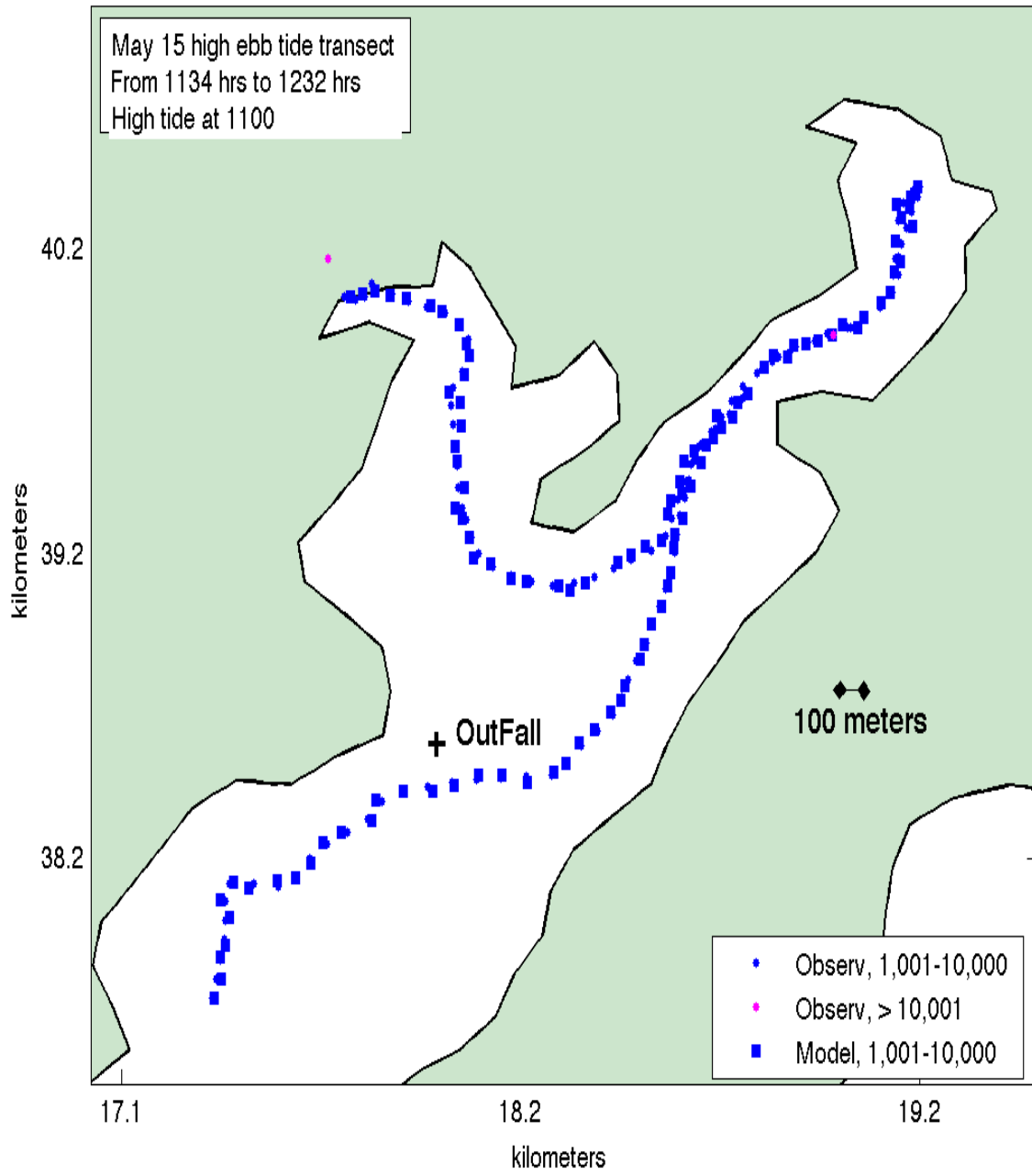
Model-Figure 16: May 14,2003 Low Tide Transect



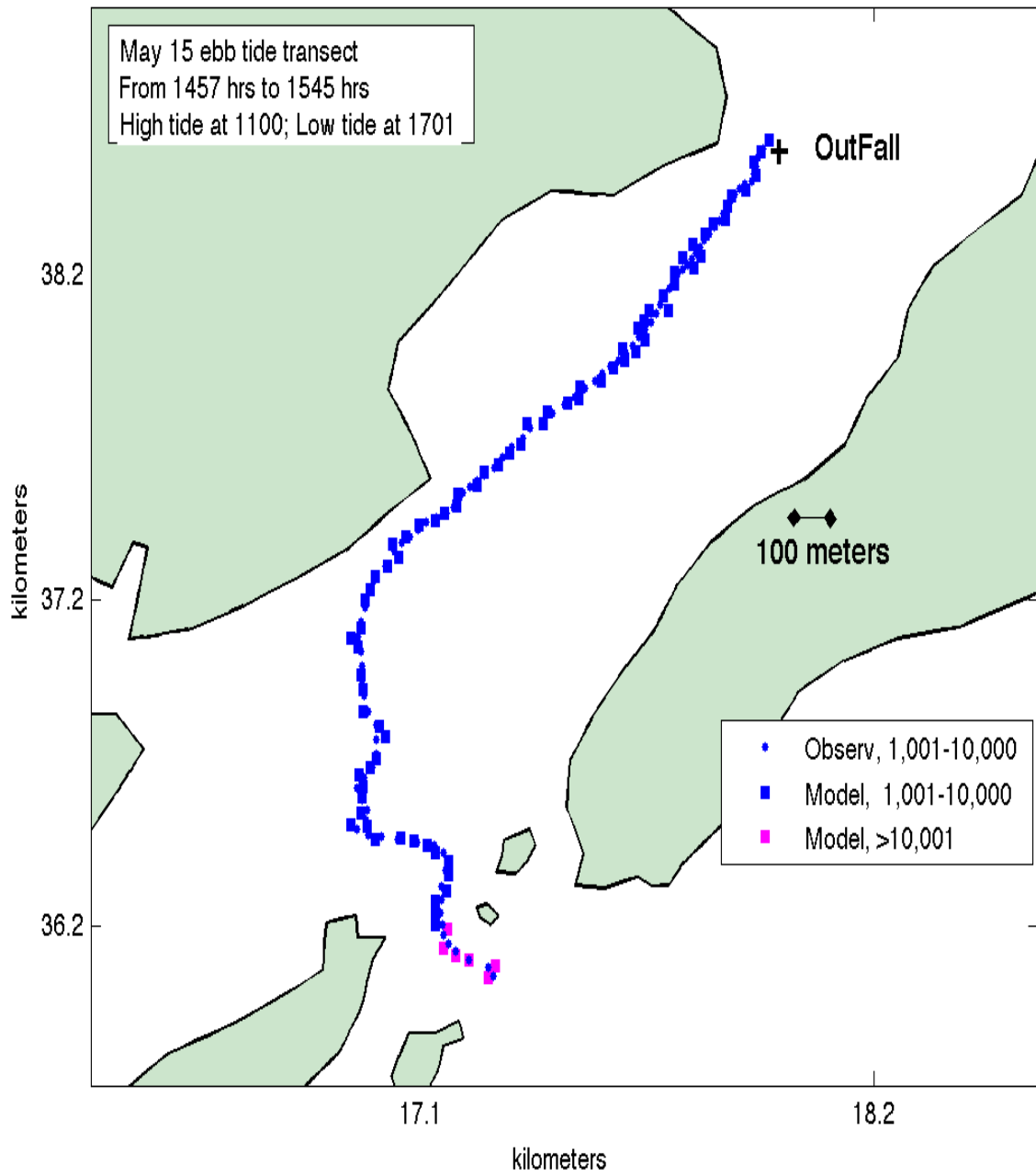
Model-Figure 17: May 15,2003 Flood Tide Transect



Model-Figure 18: May 15,2003 High Ebb Tide Transect



Model-Figure 19: May 15,2003 Ebb Tide Transect



Model-Figure 20: May 15,2003 Low Flood Tide Transect

