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## Data Supporting the Figures in "Freshwater composition and connectivity of the Connecticut River plume during ambient flood tides"

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## **Supporting Data for Figures in "Freshwater composition and connectivity of the Connecticut River plume during ambient flood tides"**

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This archive contains the supporting data for figures in "Freshwater composition and connectivity of the Connecticut River plume during ambient flood tides" by Michael M. Whitney, Yan Jia, Kelly L. Cole, Daniel G. MacDonald, Kimberly D. Huguenard. The scientific journal article is published in *Frontiers in Marine Science* (2021). The main objectives of this study on the Connecticut River plume formed during ambient flood tidal conditions are: 1) determining the contributions of river source waters from different parts of the tidal cycle and 2) quantifying the degree and spatial distribution of connectivity of these source waters with the bounding plume fronts. A high-resolution numerical modeling approach is taken. Data are from the Regional Ocean Modeling System (ROMS) results for the study area. The Zip file (Figure\_data.zip) contains MATLAB data files, which are named FigureXX\_data.mat. Variable names and units correspond to graphed data of each figure in the journal article. A full description of research methods and results is included in the journal article.

List of MATLAB data files:

Figure01\_data.mat  
Figure02\_data.mat  
Figure03\_data.mat  
Figure04\_data.mat  
Figure05\_data.mat  
Figure06\_data.mat  
Figure07\_data.mat  
Figure08\_data.mat  
Figure09\_data.mat  
Figure10\_data.mat  
Figure11\_data.mat  
Figure12\_data.mat  
Figure13\_data.mat  
Figure14\_data.mat