

Summer 9-13-2021

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

Michael M. Whitney

University of Connecticut - Avery Point, Michael.Whitney@uconn.edu

Follow this and additional works at: https://opencommons.uconn.edu/marine_sci



Part of the [Oceanography Commons](#)

Recommended Citation

Whitney, Michael M., "Supporting Data for "Freshwater composition and connectivity of the Connecticut River plume during ambient flood tides"" (2021). *Department of Marine Sciences*. 7.
https://opencommons.uconn.edu/marine_sci/7

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

Michael M. Whitney

**Department of Marine Sciences
University of Connecticut
michael.whitney@uconn.edu**

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. Files are in MATLAB data format and 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