

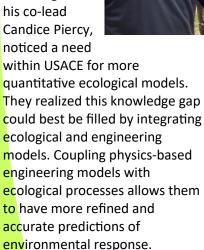
April 2023

### NextGen Webinar Dates

June 21Christina Saltus ERDCJuly 19Madison Yawn ERDC

# Todd Swannack Co-Lead of Team EcoMod

When Todd started with the Wetlands & Coastal Ecology branch in 2010, he, along with his co-lead Candice Piercy,



## Team EcoMod News

#### Homecoming at Environmental Lab, ERDC

The entire workforce of the Environmental Lab (EL) descended upon Vicksburg, MS in March for a 'Homecoming' event. Remote federal employees and contractors met up to discuss EL goals and learn about collaborative opportunities.

Emily Russ and Todd Swannack shared their research regarding next generation modeling and

aquatic vegetation. The team was able to meet with current and prospective collaborators, including EL partners in New York and research facilities in Texas. We also welcomed new contractor Thomas Huff, who works out of College Station, TX.









#### **Mussel Journal Article**

Carra Carrillo has completed an important milestone for any researcher: first-authorship! Her journal article titled 'Patterns of dreissenid mussel invasions in western US lakes within an integrated

gravity model framework'. Carra developed a model to forecast invasive species movement, in order to highlight at-risk waterbodies and boater movement. She hopes that this will lead to further research into management decision-making regarding mussel spread. See the Model Spotlight below. The model is available upon request at ecomodteam@usace.army.mil.

#### **New Logo**

Our friends at the Information Technology Lab (ITL) created new logos for Team EcoMod. Our land and sea image now has a professional makeover, with an array of color combinations and formats. We are currently working on a branding guide to best utilize the variety of designs.



#### **Model Spotlight: Invasive Mussel Dispersal Model**

Carra Carrillo explains: "Since this invasive species has been able to spread across the United States as quickly and relatively quietly as it has, it is even more important to ensure that lakes that could be potential targets for future exposure are aware so the managers can get a head start on testing and management strategies".

