## )NOMA Center for **Environmental Inquiry**

## Waters Collaborative **Research Grant**

- U.S. (Nahlick & Fennesy, 2016)
- communities



- and auger, divided into 2 cm (by depth) samples
- Magnetic susceptibility (MS) measured using a Bartington MS meter
- Geochemistry:
  - um) sieve
  - 11.
  - **iii**. Returned to neutral pH
  - 1V.
  - Carbon (TOC),  $\delta 13C$ ,  $\delta 15N$ , C/N

# **Carbon Sequestration in Wetlands of Sonoma Mountain** Eric Riordan - Geography, Environment, and Planning

## Faculty Mentor: Dr. Michelle Goman

Nahlik, A. M., and M. S. Fennessy. 2016. Carbon storage in US wetlands. Nature Communications 7: 13835. Goman, M., ed. 2012. Soil and Sediment Analysis at Fairfield Osborn Preserve. Sonoma State University.

Acknowledgements: Dr. Chad Lane at UNC-Wilmington Suzanne DeCoursey at Fairfield Osborn Preserve Greg Rosen & Corbin Matley at Sonoma State University



**Contact**: Eric Riordan riordane@sonoma.edu