

## Additional Links for Classroom Ready Resources

- [NOAA Classroom-ready data resources](#)
- [NOAA Estuary Education Site](#)
- [NOAA Phenology Example](#)
- [Harvard Forest Phenology Lesson Plans](#)
- [GTM Marsh 360 Program](#)
  - [Accompanying Lesson Plan](#)
- [WETFEET Outreach Page/360 Tour](#)
- [Earth Echo Water Challenge](#) (to upload water quality data)
- [Weather STEM Website](#)
- [Drone Footage of GTM Estuary 1](#)
- [Drone Footage of GTM Estuary 2](#)
- Site Assessment Resources (lots of data resources!!)
  - Marsh Mapping Tool:  
<https://pewoceans.maps.arcgis.com/apps/MapSeries/index.html?appid=8955af9c6c3447ba943307f16c902ec8>
  - habitat and wildlife [Rare Species and Communities We Track - Florida Natural Areas Inventory \(fnai.org\)](#) .
  - Ocean Currents- [CO-OPS Products - NOAA Tides & Currents](#)
  - Sea level rise analysis- [Sea Level Rise Viewer \(noaa.gov\)](#)
  - topography/ slope/ LIDAR- [3D Elevation Program - Data & Tools \(usgs.gov\)](#)
  - Soil types - [Web Soil Survey - Home \(usda.gov\)](#)
  - Boat channels- [Search for '\\*' | Florida Fish and Wildlife Conservation Commission \(myfwc.com\)](#)
  - [Southern Environmental Law Center](#)
  - [Map Direct Gallery \(state.fl.us\)](#)
  - [Geographic Information Systems \(GIS\) | Florida Department of Environmental Protection](#)
  - [Home page - SECOORA](#) – Ocean and current data
  - [Digital Coast Home \(noaa.gov\)](#)
    - go to tools and type in sea level
    - click data tab for more
  - [Geographic information systems and mapping tools \(sjrwmd.com\)](#) – St. Johns Water Management District Open Data Portal
  - [Florida Fish and Wildlife Conservation Commission \(myfwc.com\)](#)
  - [EarthExplorer \(usgs.gov\)](#)
  - [NOAA Shoreline Website](#) – Historic Surveys T-Sheets

- o UF Digital Collection used to locate historical aerial imagery - <https://ufdc.ufl.edu/>
- o For Species:
- o Environmental Sensitivity Index Maps - [Florida Statewide ESI Maps \(floridamarine.org\)](http://floridamarine.org)
- o Location of Oysters, Mangroves, Salt marshes- [Cooperative Land Cover, Version 3.4 - published November 2019 | FWC \(myfwc.com\)](http://myfwc.com)
- o Bird migrations
- o [U.S. Fish and Wildlife Geospatial Services Home \(fws.gov\)](http://fws.gov) – Critical Habitat for T&E Species and Migratory Bird Information
- o [Essential Fish Habitat Mapper](#)
- o [NOAA Fisheries](#)