

# Estuarine Tidal Marsh Restoration Using Nutrient Rich Dredged Material: the Poplar Island Experience

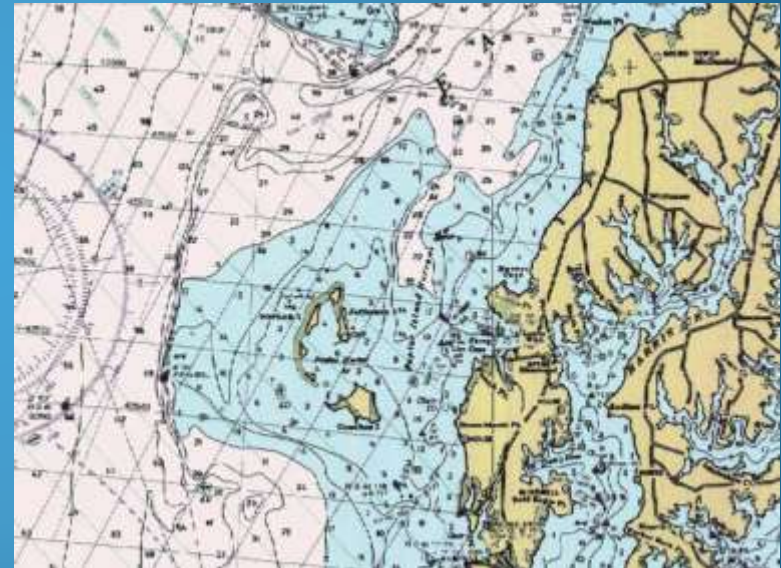
Restore America's Estuaries 2016 Summit



# Historical Poplar Island



1840



1990



# Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island



Circa 1990  
~ 6 acres



2012  
~1140 acres

# Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island

- Relevance for restoration:
  - Long term project with sequential development
    - ~ 1994-2040
  - Intensive monitoring
    - $\geq 5$  years
  - Adaptive management
  - Eutrophic ecosystem



# Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island





## **Presenters:**

**Holly Miller**, *Maryland Port Administration*

- *project background, permitting, partnerships*

**Michelle Osborne**, *Maryland Environmental Service*

- *monitoring, adaptive management*

**Peter McGowan**, *U. S. Fish and Wildlife Service*

- *wildlife management*

**Jeff Cornwell**, *University of Maryland Center for Environmental Science*

- *biogeochemistry of marsh soils*

**Court Stevenson**, *University of Maryland Center for Environmental Science*

- *marsh vegetation, elevation, long term outlook*