



**NOAA**  
**CHESAPEAKE**  
**BAY OFFICE**



## ***Oyster Reef Ecosystem Services (ORES) Research***

# ORES Drivers & Funding:

- Executive Order 13508: “...**design a pilot project to quantify the ecosystem services provided by oyster reefs**,...” (Chesapeake Bay Federal Leadership Committee, Action Plan, Strategy for Protecting and Restoring the Chesapeake Bay Watershed, March 30 2012)
- NOAA funded 8 projects 2013-2019

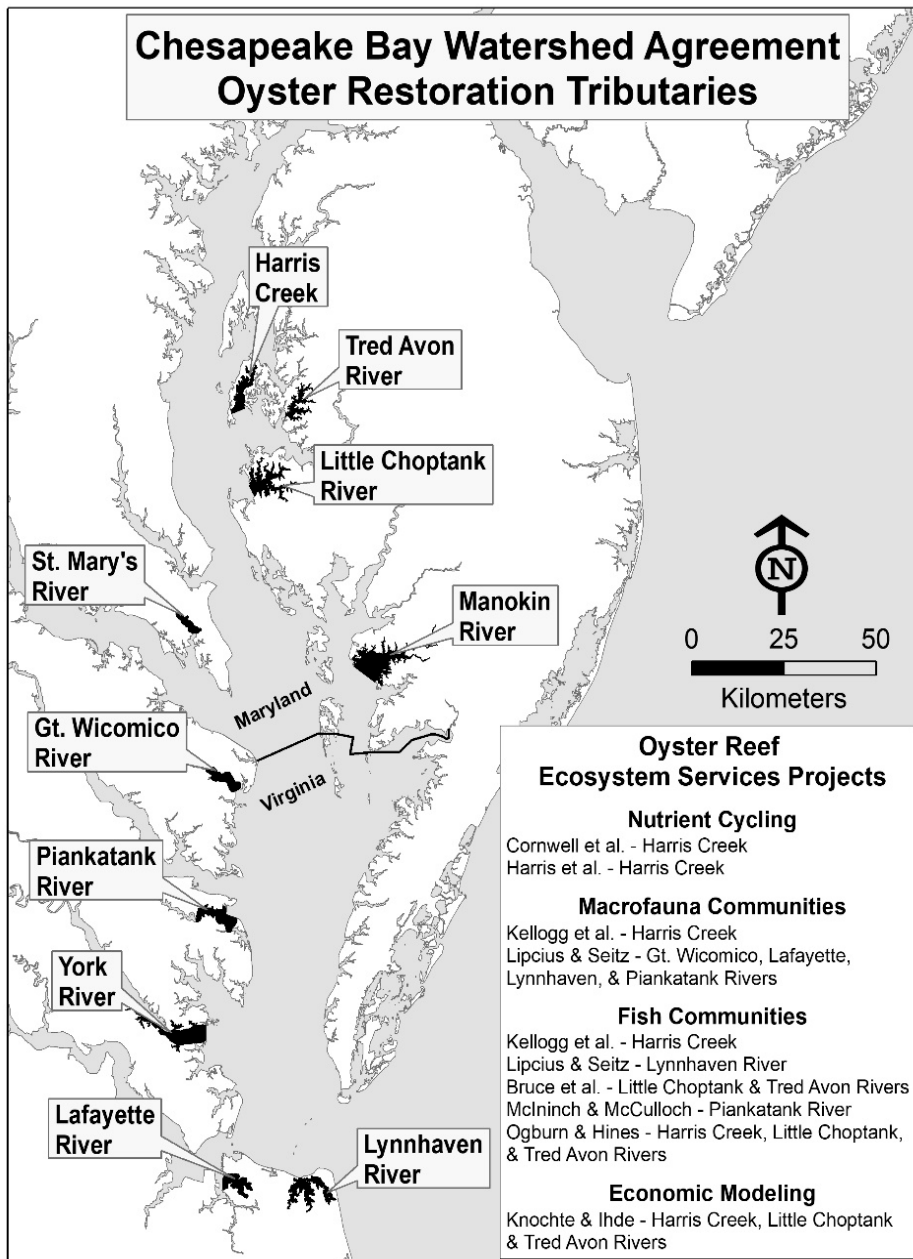


# ORES Drivers & Funding:

- Science Gap: **“An ecosystem services valuation study that quantifies the value of fish habitat would allow us to effectively communicate the economic benefits of restoration and conservation”** Chesapeake Bay Program Fish Habitat Outcome – Management Strategy 2015-2025
- NFWF funded 1 project 2017-2018



## Chesapeake Bay Watershed Agreement Oyster Restoration Tributaries



- 9 Projects
- 4 General Themes
- 7 Restoration Tributaries (Baywide)
- 2013-2019



# Today's Presentations: 7 of 9 Projects

## Others:

- 1) Cornwell et al. (UMCES): Quantifying Denitrification Rates and Nutrient Fluxes
- 2) Knochte and Ihde (MSU): Estimating Economic Benefits and Socio-Economic Impacts from Oyster Reef Restoration



# ORES Synopses

1) Annual Research Updates On NCBO Website:

<https://chesapeakebay.noaa.gov/images/stories/habitats/2019oresresearchupdate.pdf>

2) NOAA Technical Memorandum Summary Document:

*in preparation*

