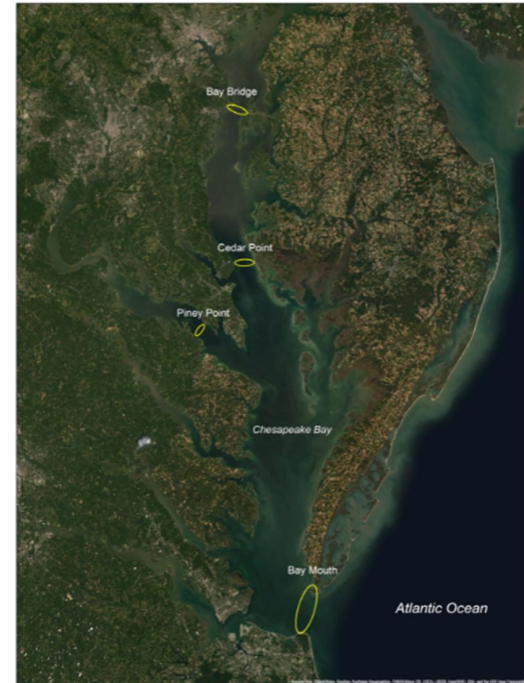


# State of Science Needs for the Fish Habitat Action Team

Bruce Vogt and Justin Shapiro

# Current Needs That Are Being Addressed:

- Regional Fish Habitat Assessment
  - *Tidal/non-tidal pilot area recently selected for Patuxent*
- Maintaining an Acoustic Telemetry Network
  - *NCBO (in coordination with VMRC, MDNR, and UMCES) has three arrays to track movement at the bay mouth, mid-bay, and bay bridge*
- Monitoring for DO Volume and Spatial Extent
  - *Fish GIT is engaged with recently formed Hypoxia Collaborative as a monitoring program proposal is being put together*
  - *NCBO is deploying two new profilers*



# Current Needs That Are Being Addressed (CONTINUED):

- Develop Shallow Water Monitoring Proposal
  - *Ongoing*
    - *Poplar Island sampling*
    - *Striped bass nursery assessment; Summer flounder and Black sea bass nursery; shallow water forage*
    - *Nearshore valuation studies in middle peninsula*
    - *Shoreline threshold GIS layer*
  - *Aspirational*
    - *Connect with SAV Sentinel Sites for fish sampling*

# Current Needs NOT Being Addressed

- Explore Cost-Effective Methods for Plankton Monitoring
  - *Plans to address in PSC monitoring review*

# New Needs Expressed at Recent Management Board Meeting

- Synthesis and indicators to support Ecosystem Based Fisheries Management at bay and regional fishery management level
- Cross-GIT Mapping Efforts
  - *Understanding all the mapping efforts and where the Fish Habitat Assessment can be plugged in.*
  - *Continued opportunities for data integration, focus on how jurisdictions can use Fish Habitat Assessment*