

ORP Habitat Mapping Survey Goals

- Identify locations for future investment for oyster fishery
- Identify marginal habitat that could be opened for other uses (aquaculture, clamming, etc.)



Legend

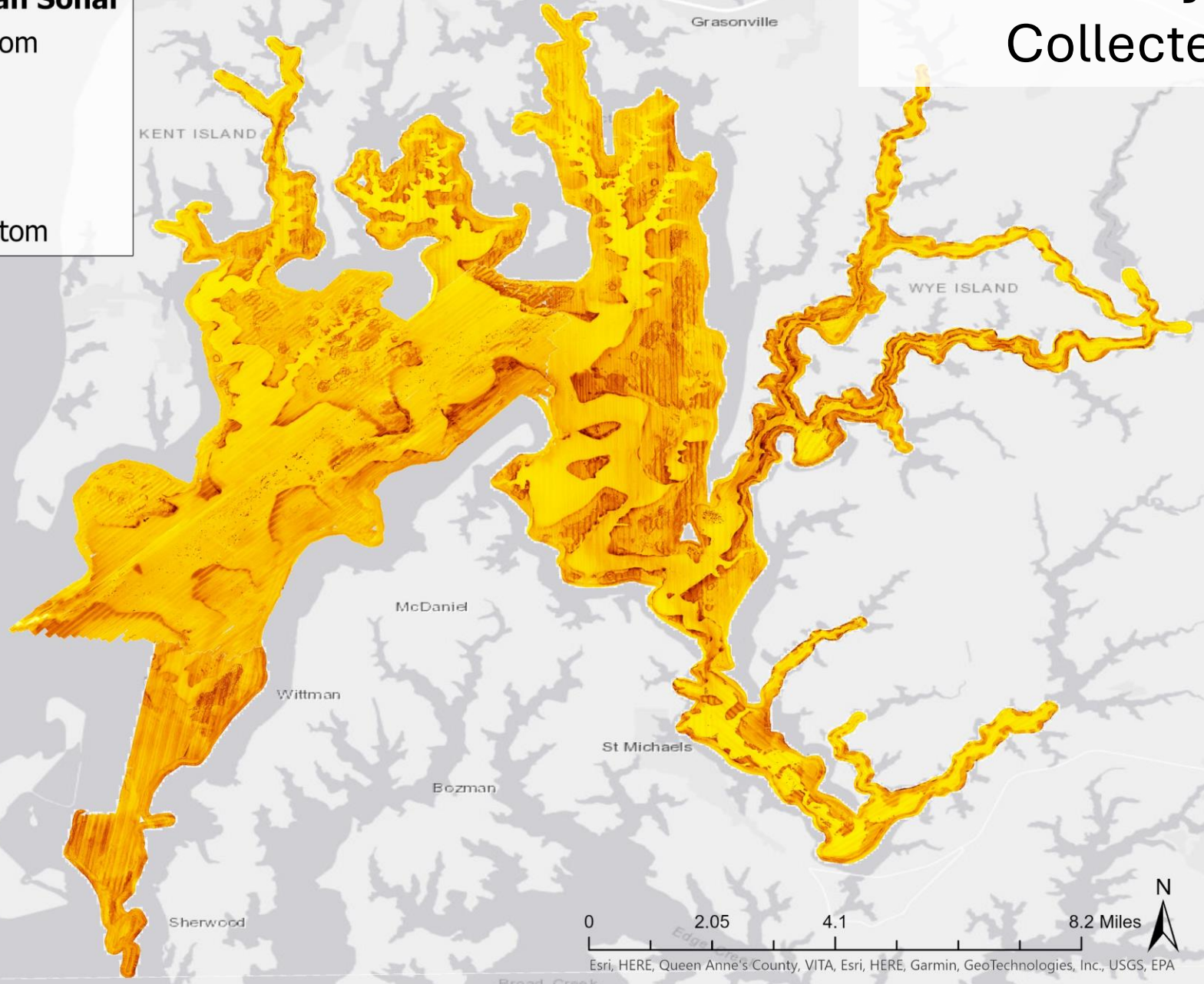
MGS Sidescan Sonar

Softer bottom



Harder bottom

Eastern Bay Sidescan Sonar Collected 2021-2023



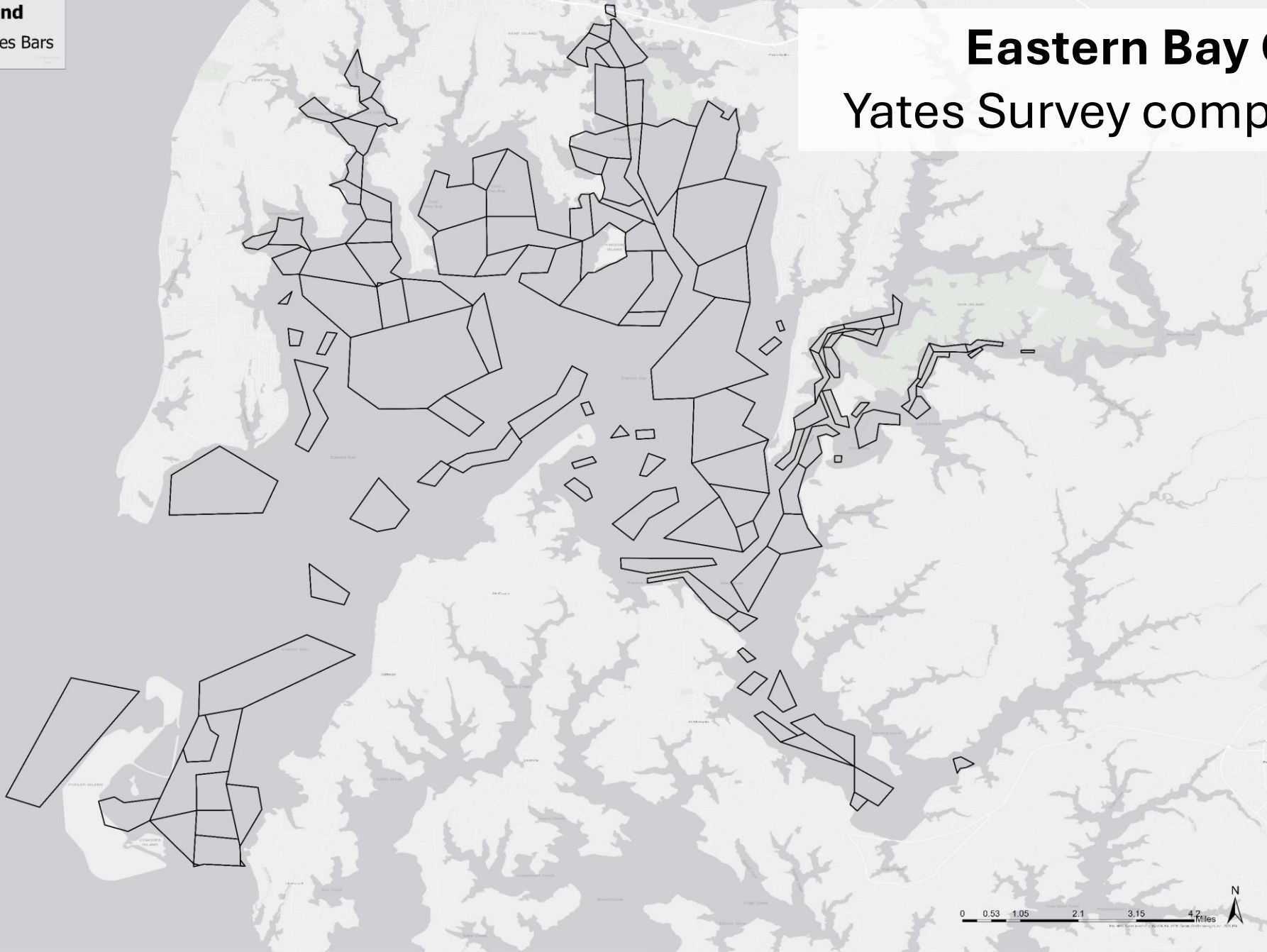
OYSTER RECOVERY
PARTNERSHIP
ORP

Legend

□ Yates Bars

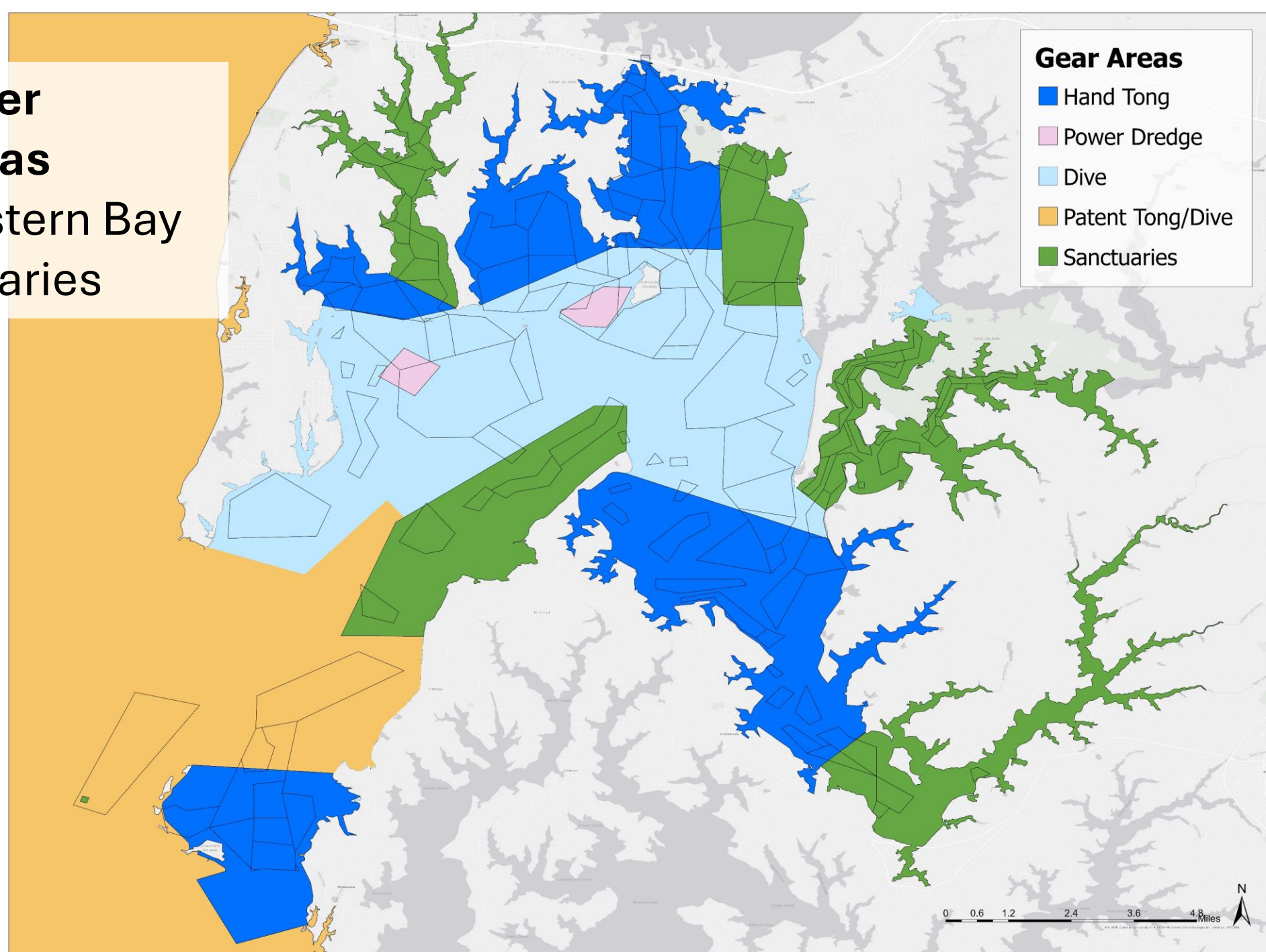
Eastern Bay Oyster Bars

Yates Survey completed early 1900s



Eastern Bay Oyster Harvest Gear Areas

- Dive & HT in Eastern Bay
- HT only in tributaries

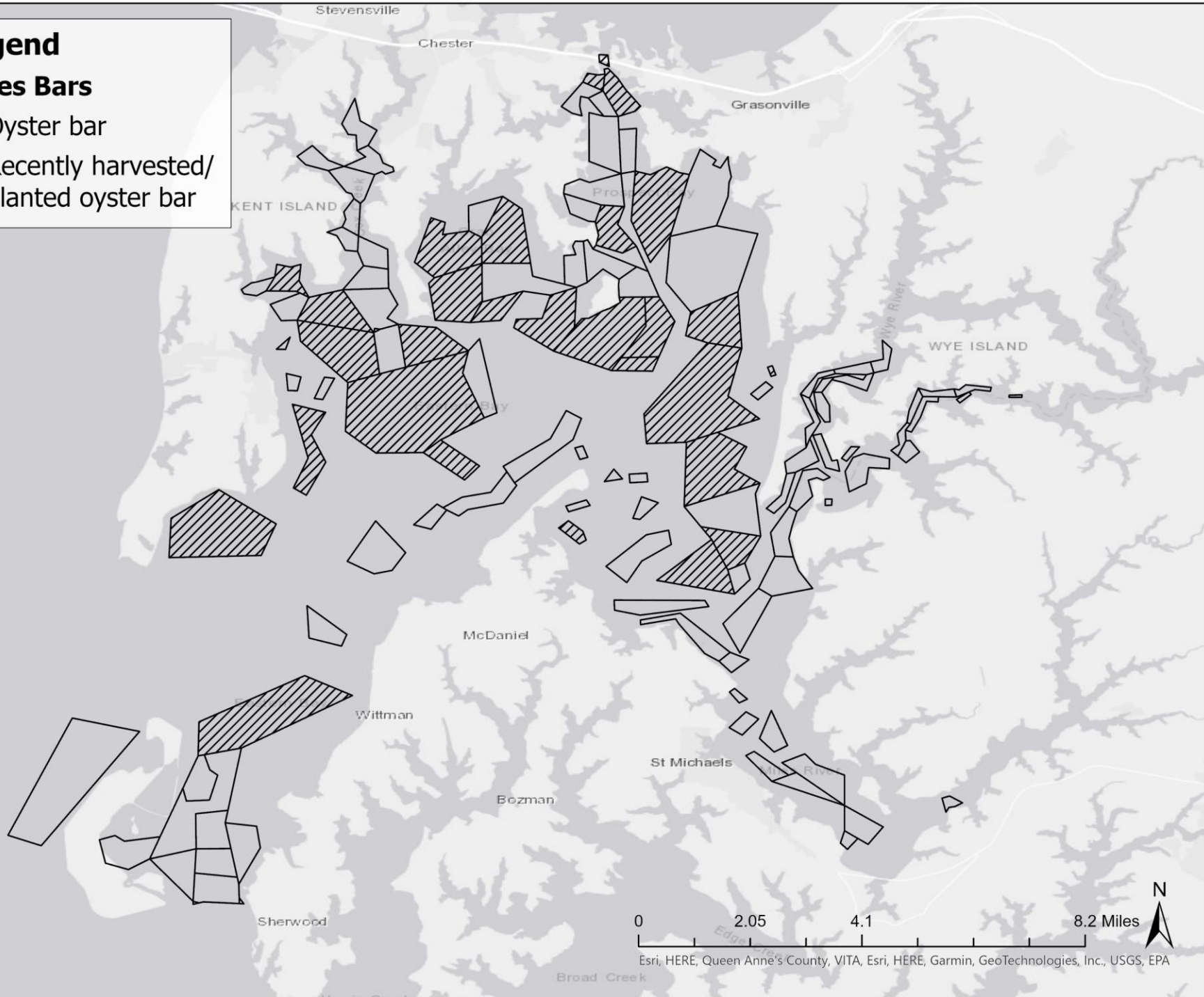


Legend

Yates Bars

□ Oyster bar

▨ Recently harvested/
planted oyster bar



0 2.05 4.1 8.2 Miles

Esri, HERE, Queen Anne's County, VITA, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA



Legend

Sanctuaries

MGS Sidescan Sonar

Softer bottom

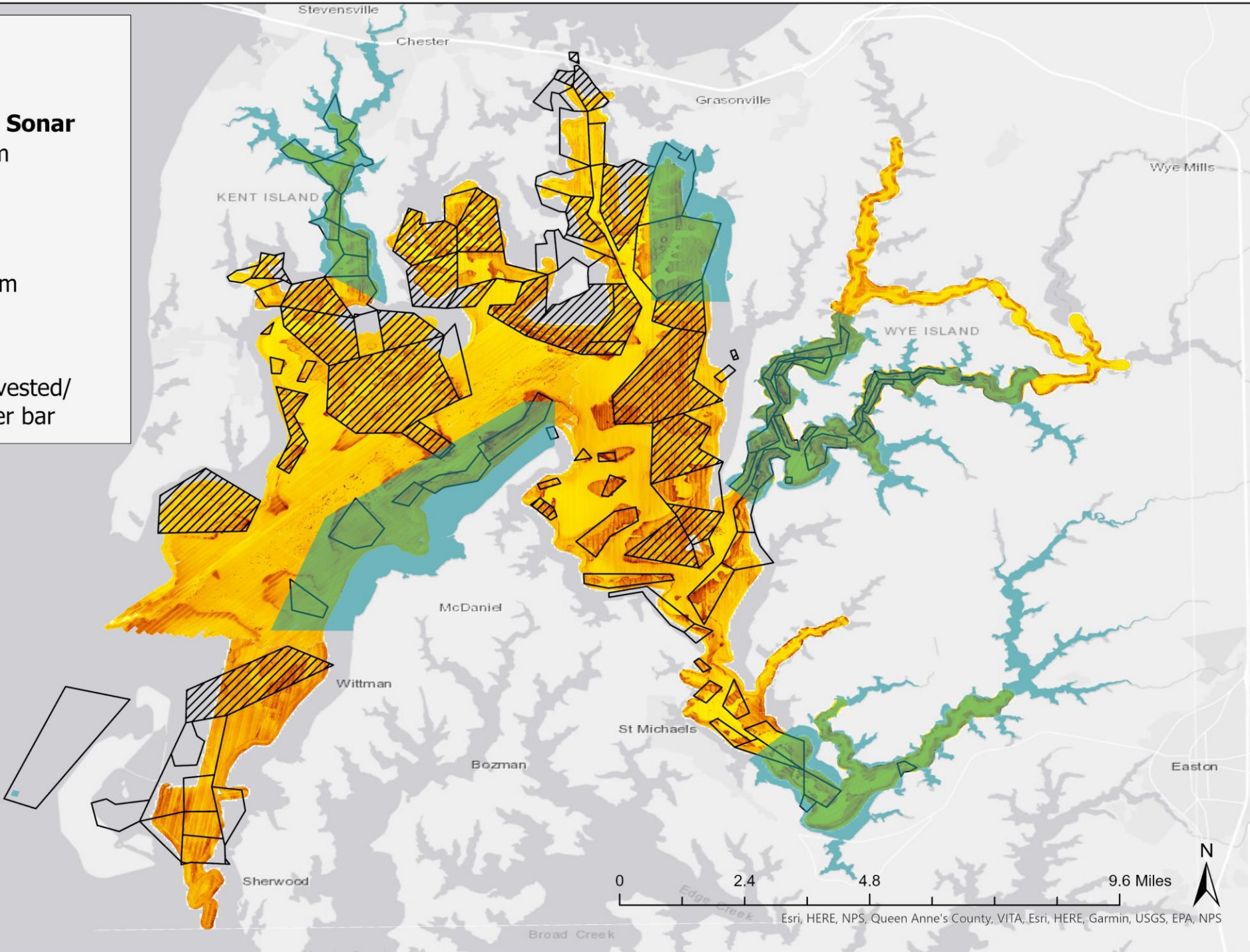


Harder bottom

Yates Bars

Oyster bar

Recently harvested/
planted oyster bar



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Esri, HERE, NPS, Queen Anne's County, VITA, Esri, HERE, Garmin, USGS, EPA, NPS

Eastern Bay Habitat Mapping Draft Sampling Plan

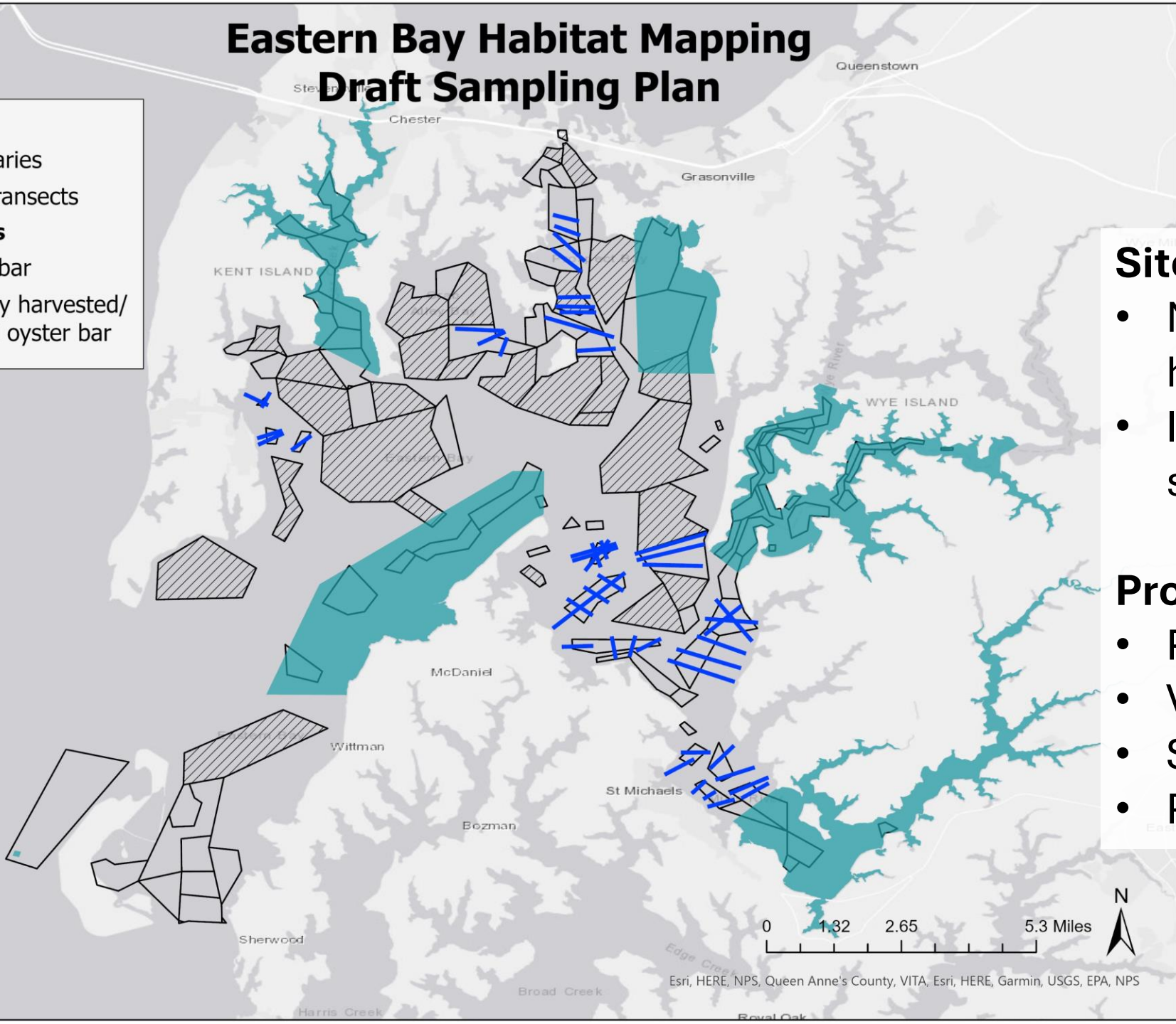
Legend

- Sanctuaries
- Draft Transects

Yates Bars

- Oyster bar
- Recently harvested/
planted oyster bar

- Site selection**
- Not currently being harvested/planted
 - Interesting features on sidescan
- Proposed sampling types**
- Patent tong
 - Video
 - Sounding pole
 - Ponar sediment grabs



Eastern Bay Habitat Mapping

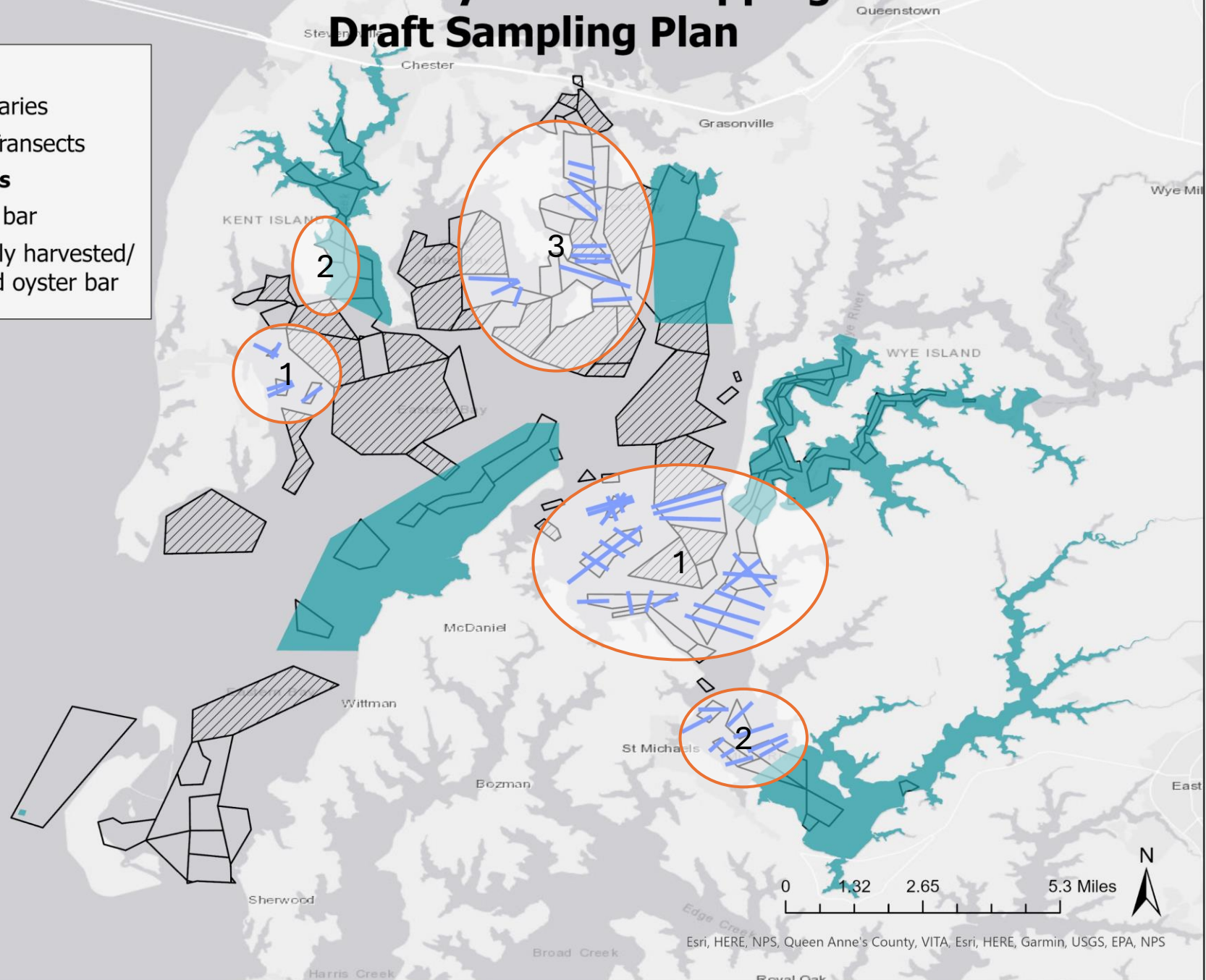
Draft Sampling Plan

Legend

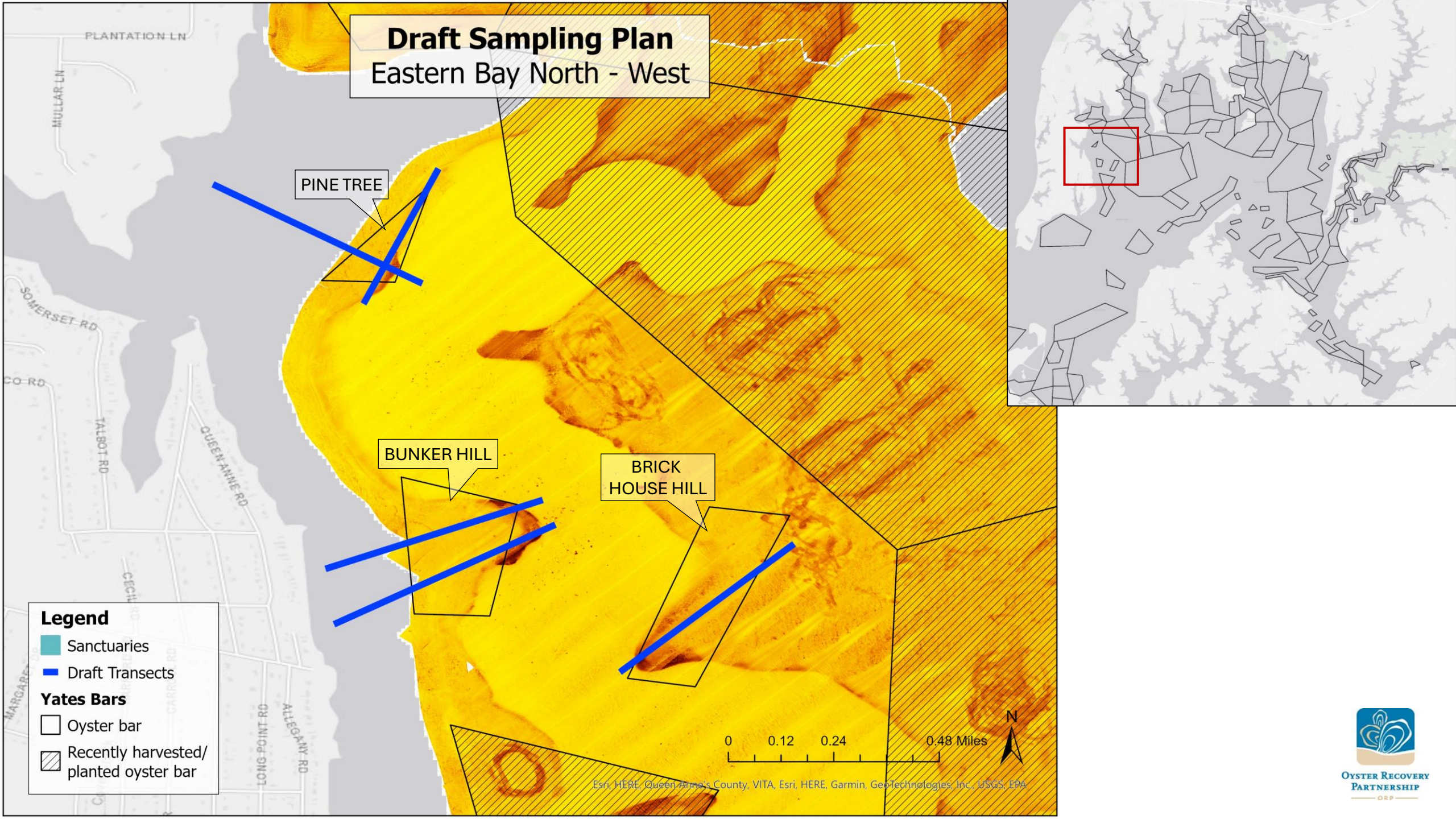
- Sanctuaries
- Draft Transects

Yates Bars

- Oyster bar
- Recently harvested/
planted oyster bar



Draft Sampling Plan Eastern Bay North - West



PINE TREE

BUNKER HILL

BRICK HOUSE HILL

Legend

- Sanctuaries
- Draft Transects

Yates Bars

- Oyster bar
- Recently harvested/
planted oyster bar

0 0.12 0.24 0.48 Miles



Esri, HERE, Queen Anne's County, VITA, Esri, HERE, Garmin, GeoTechnologies, Inc., USGS, EPA



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Draft Sampling Plan

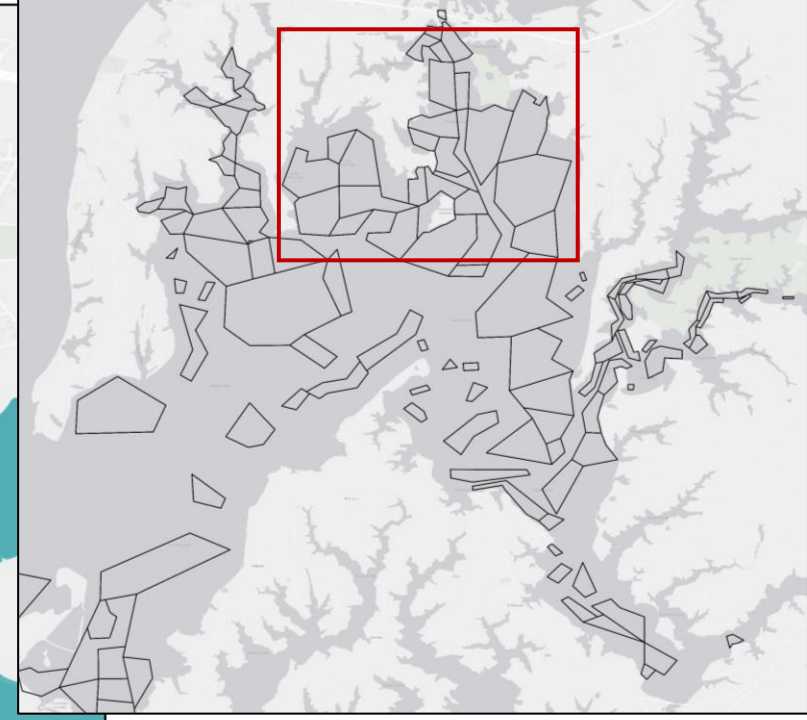
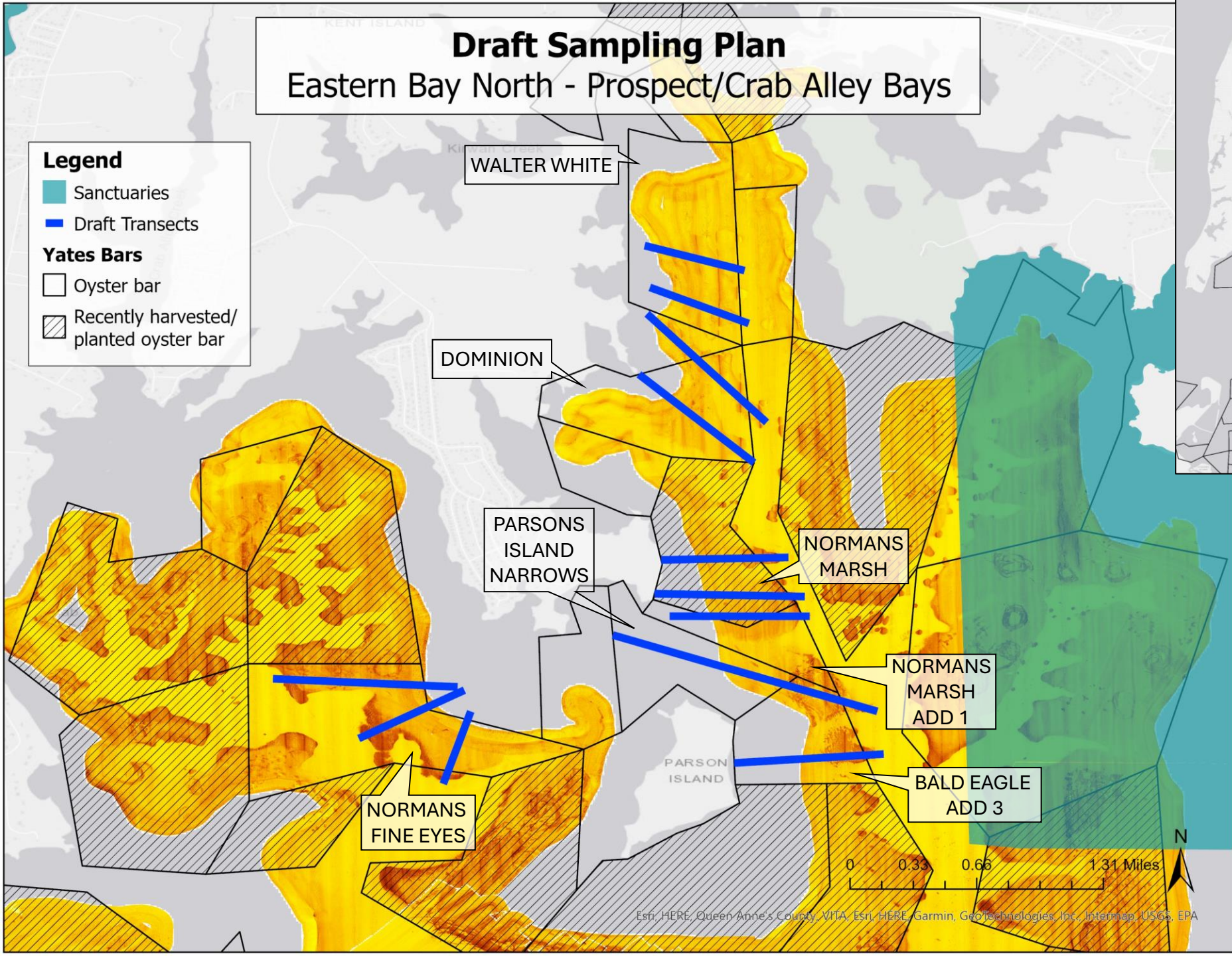
Eastern Bay North - Prospect/Crab Alley Bays

Legend

- Sanctuaries
- Draft Transects

Yates Bars

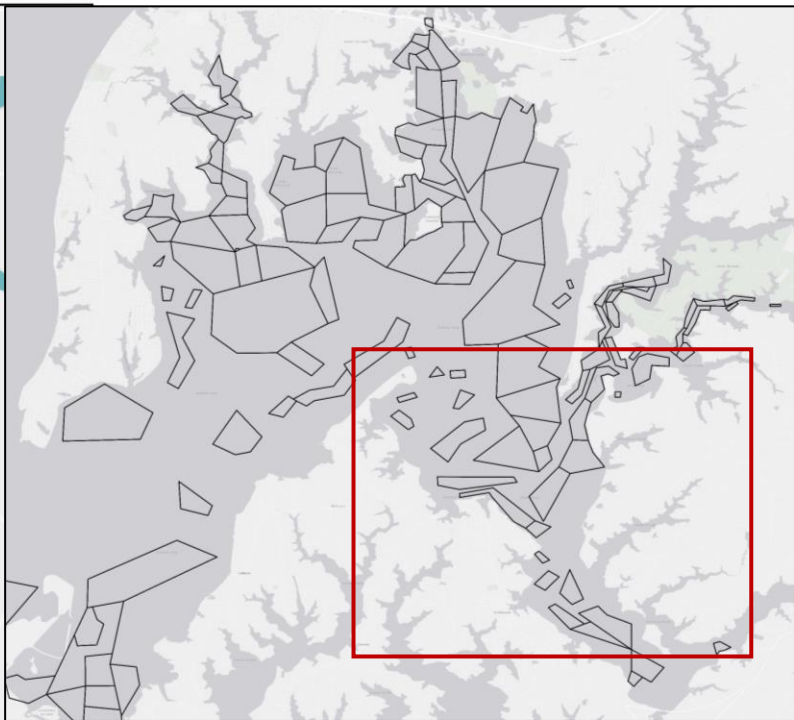
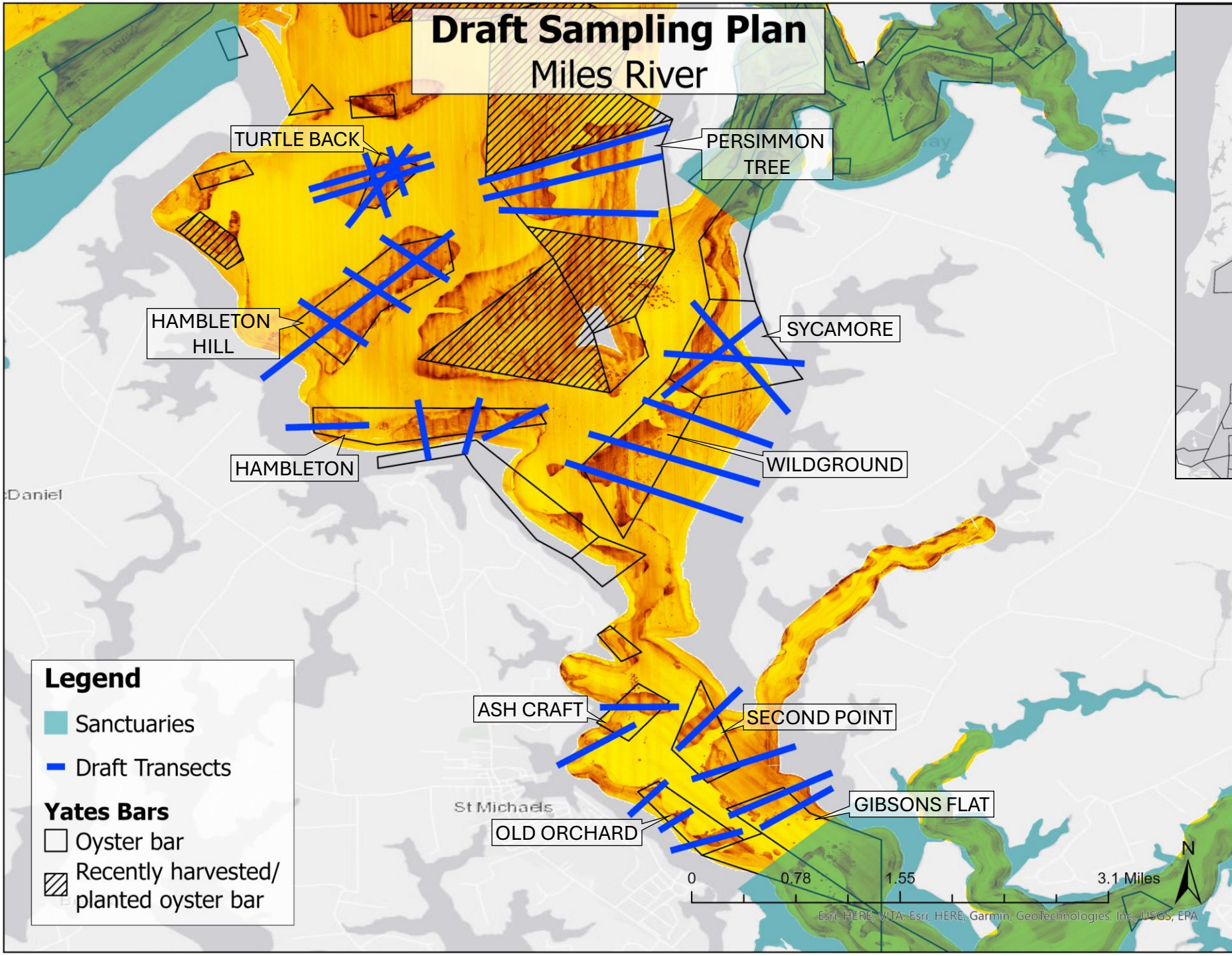
- Oyster bar
- Recently harvested/planted oyster bar





Esri, HERE, Queen Anne's County, VITA, Esri, HERE, Garmin, GeoTechnologies, Inc., Intermap, USGS, EPA

Draft Sampling Plan



Miles River



Legend

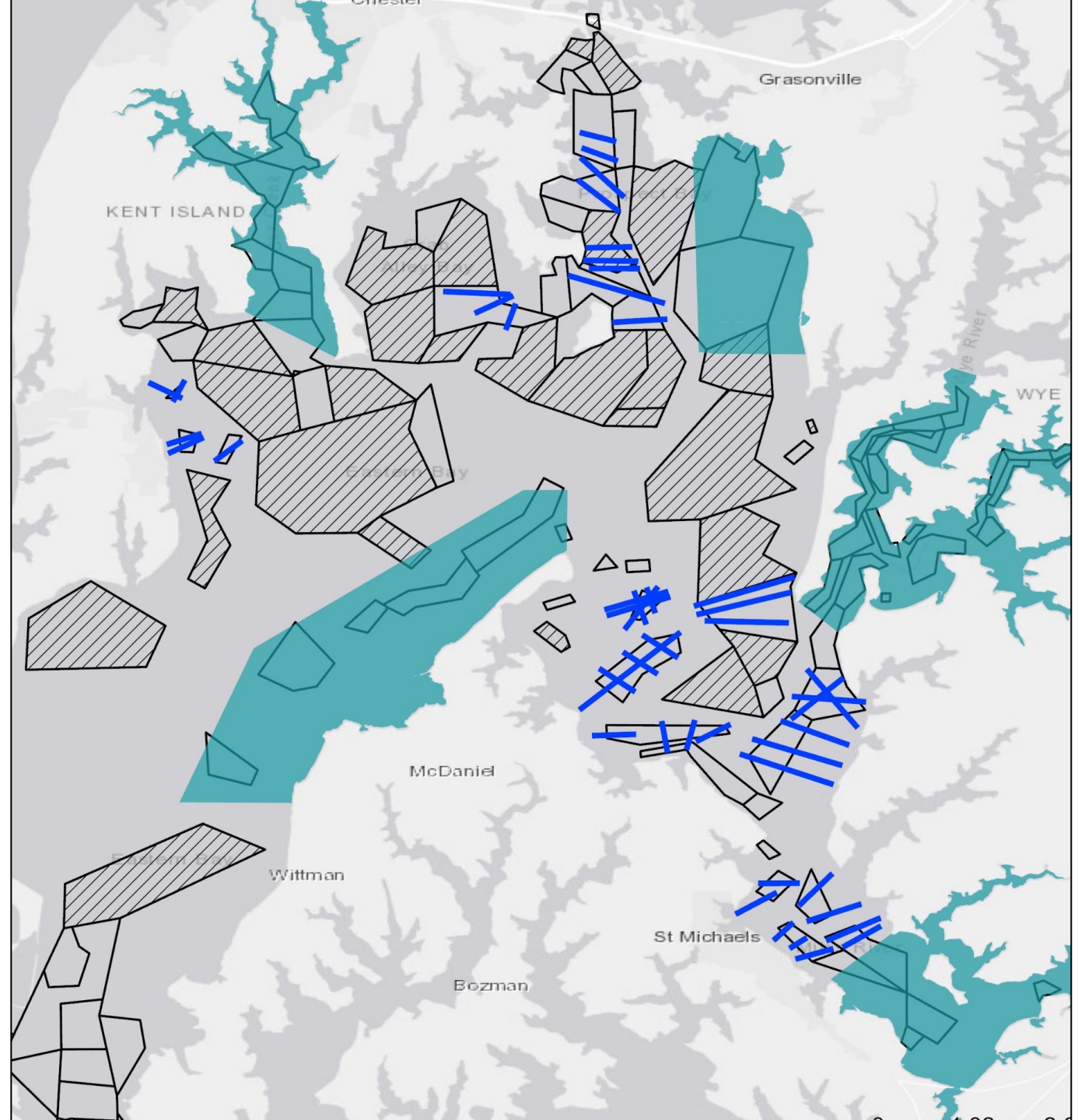
-  Sanctuaries
-  Draft Transects

Yates Bars

-  Oyster bar
-  Recently harvested/
planted oyster bar

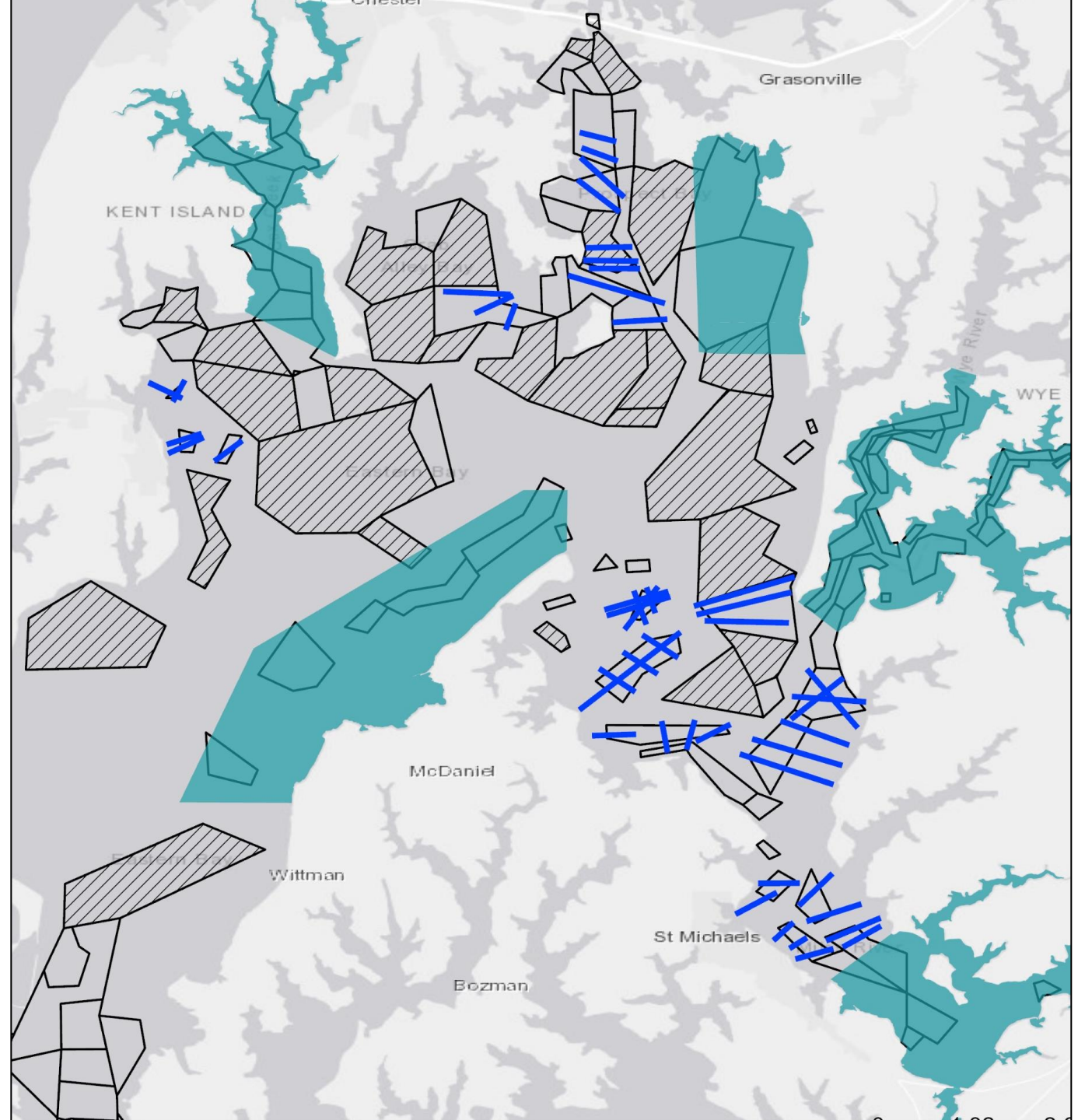
Habitat Survey Input

- Are we missing any major features or areas of interest?
- Which of these locations would you prioritize and why?



Habitat Survey Input

- Are we missing any major features or areas of interest?
- Which of these locations would you prioritize and why?
- Do you have any knowledge about existing habitat in any of these locations?



Mapping Exercise Goal

- Gain broader understanding of Eastern Bay landscape – current activities and priority areas for each stakeholder group

Mapping Exercise Prompts

- Where do charter boats take people to fish? Are there specific reefs/locations?
- Where are suitable locations for new aquaculture leases? Visually indicate challenges on the map
- Where do other aquaculture activities occur in relation to existing leases or potential new leases?
- Where are areas of water quality concern that may or may not overlap with oyster areas? (current and future)
- Where are existing water quality sampling stations? Where do we need more data?
- Where do other restoration activities occur (e.g., SOAR, community-based plantings like MGO)? Are there new planned locations for the future?
- Where does the public/local community want to/not want to see more oyster activity?
- Are there locations of ongoing SAV restoration?
- Is there clam fishing in Eastern Bay? Where?
- Is there crab fishing in Eastern Bay? Where?
- Are there additional priority areas for DNR in Eastern Bay (e.g., related to oysters, aquaculture, SAV, clams, crabs, protected habitat, shoreline resilience, etc.)?
- Where do watermen want to see changes in allowed oyster gear types?

