

BRINGING THE CORPS LOCAL



Presented by:

COL Edward Chamberlayne, Ph.D, P.E.

Commander and District Engineer, Baltimore District

COL Jason Kelly, PMP

Commander and District Engineer, Norfolk District

For: The Chesapeake Bay Commission

13 May 2016

"The views, opinions and findings contained in this report are those of the authors(s) and should not be construed as an official Department of the Army position, policy or decision, unless so designated by other official documentation."



**US Army Corps
of Engineers®**



TOPICS OF DISCUSSION

- USACE Civil Works Boundary
- USACE Involvement in Chesapeake Bay Program
- USACE Programs
 - Technical Service Programs
 - Beneficial Use of Dredged Material
 - Oyster Restoration
 - Aquaculture



US Army Corps
of Engineers





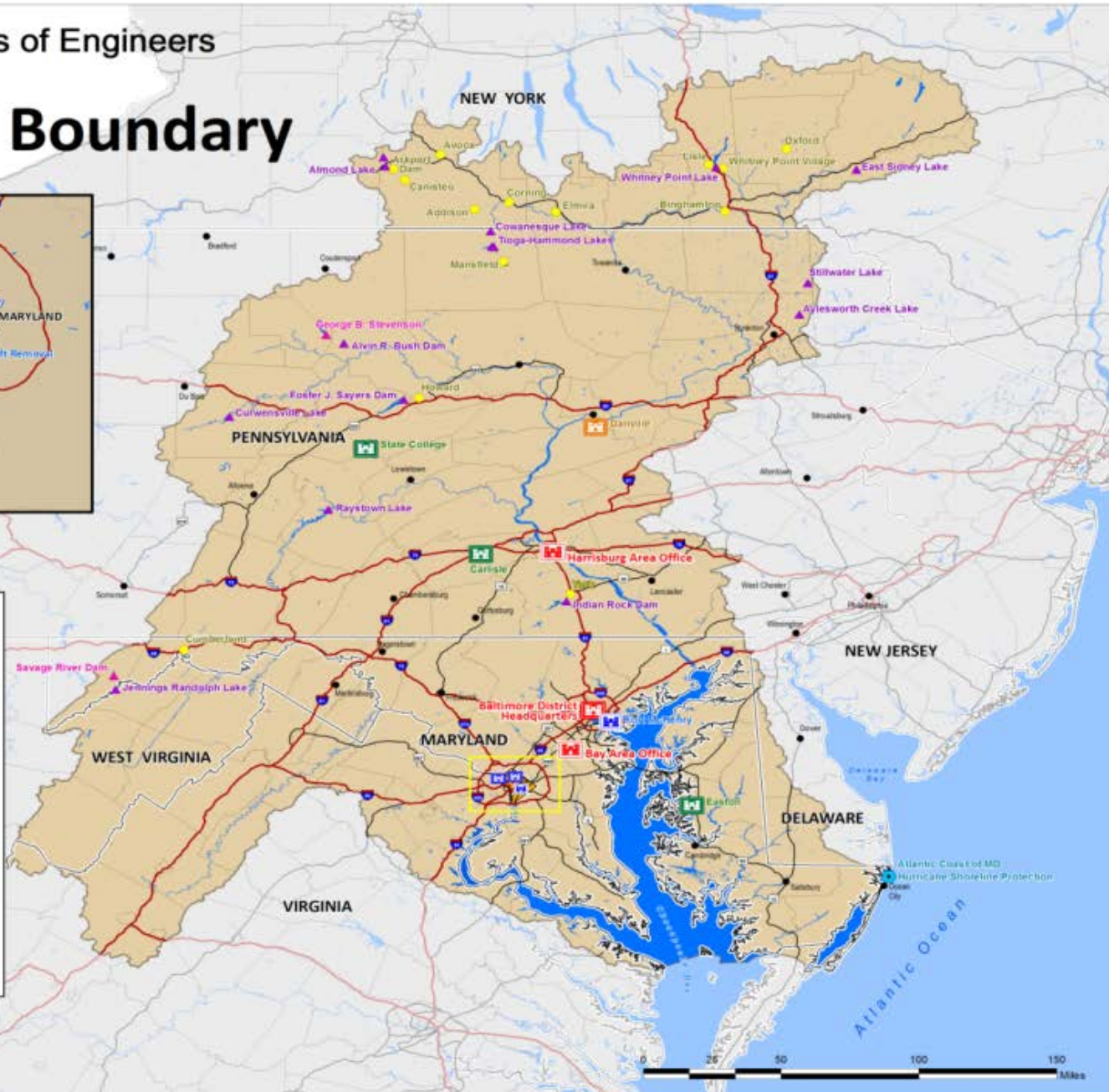
US Army Corps of Engineers
Baltimore District

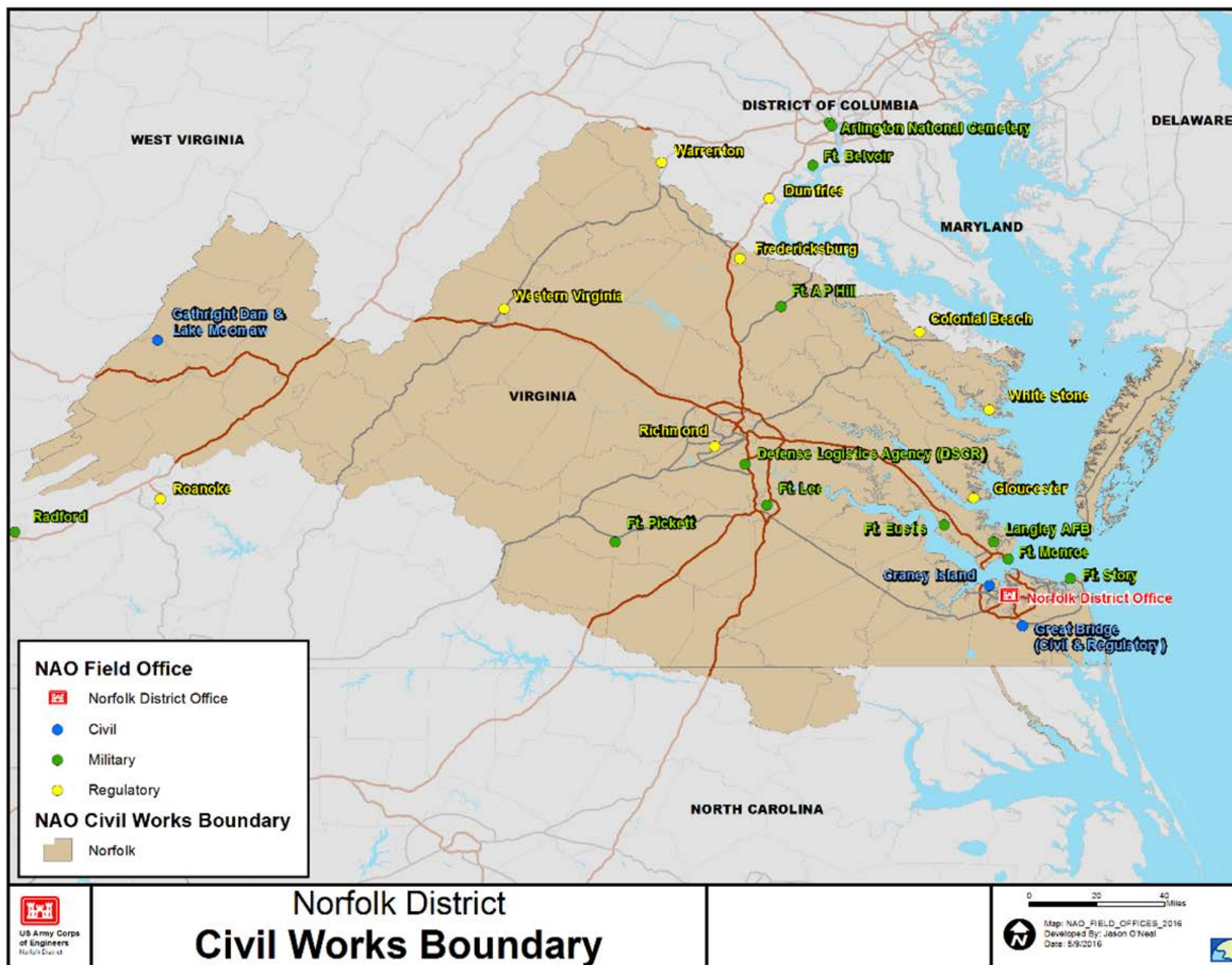
Civil Works Boundary



LEGEND

- NAB Civil Works Boundary
- Baltimore District Headquarters
- Baltimore District Area Offices
- Navigation Field Offices
- Regulatory Field Offices
- Flood Risk Management Field Office
- Washington Aqueduct
- Flood Control Projects (Federal)
- Dam & Reservoir Projects
 - Federal
 - Local
- Shoreline Protection Project
- Cities and Towns
- Interstates
- Highways
- Counties





USACE INVOLVEMENT IN CHESAPEAKE BAY PROGRAM

5

2014 Chesapeake Bay Agreement Restoration Goal Areas

- **Sustainable Fisheries*** - USACE oyster restoration
- **Vital Habitats*** - USACE wetland and stream restoration
- Water Quality & Toxic Contaminants - USACE compliance with federal targets
- **Healthy Watersheds*** - USACE Chesapeake Bay Comprehensive Plan
- Stewardship - USACE dams
- Local Government - USACE Technical Service Programs
- Public Access - USACE recreational Areas
- Environmental Literacy - USACE STEM Involvement
- **Climate Resiliency*** - USACE Poplar Island

* Aligns with USACE mission areas

- RED = USACE Co-Lead



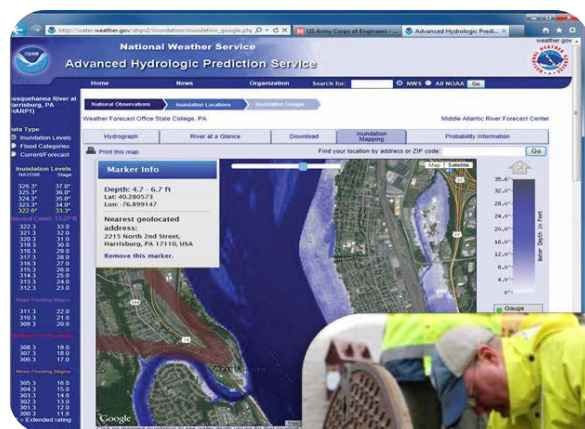
US Army Corps
of Engineers



TECHNICAL ASSISTANCE PROGRAMS

❖ PROGRAMS

- Floodplain Management Services
- Planning Assistance to States
- Silver Jackets programs



❖ PRODUCTS

- Floodplain modeling and mapping
- Database for tracking TMDLs
- Assessments of climate change to rivers and coastlines

❖ PRIVATE PARTNERSHIPS

Innovative ways for USACE to partner

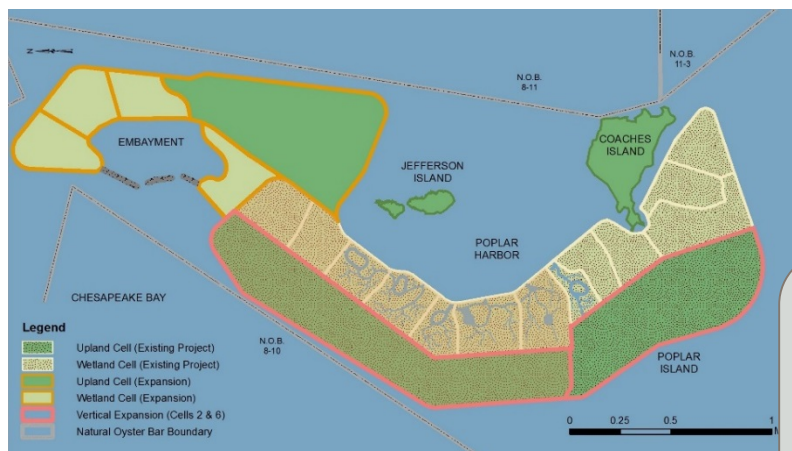


US Army Corps
of Engineers



BENEFICIAL USE OF DREDGED MATERIAL

Poplar Island Expansion



**STAY ON FUNDING
SCHEDULE!!**

Mid Bay Island

Project authorized
in WRRDA 2014

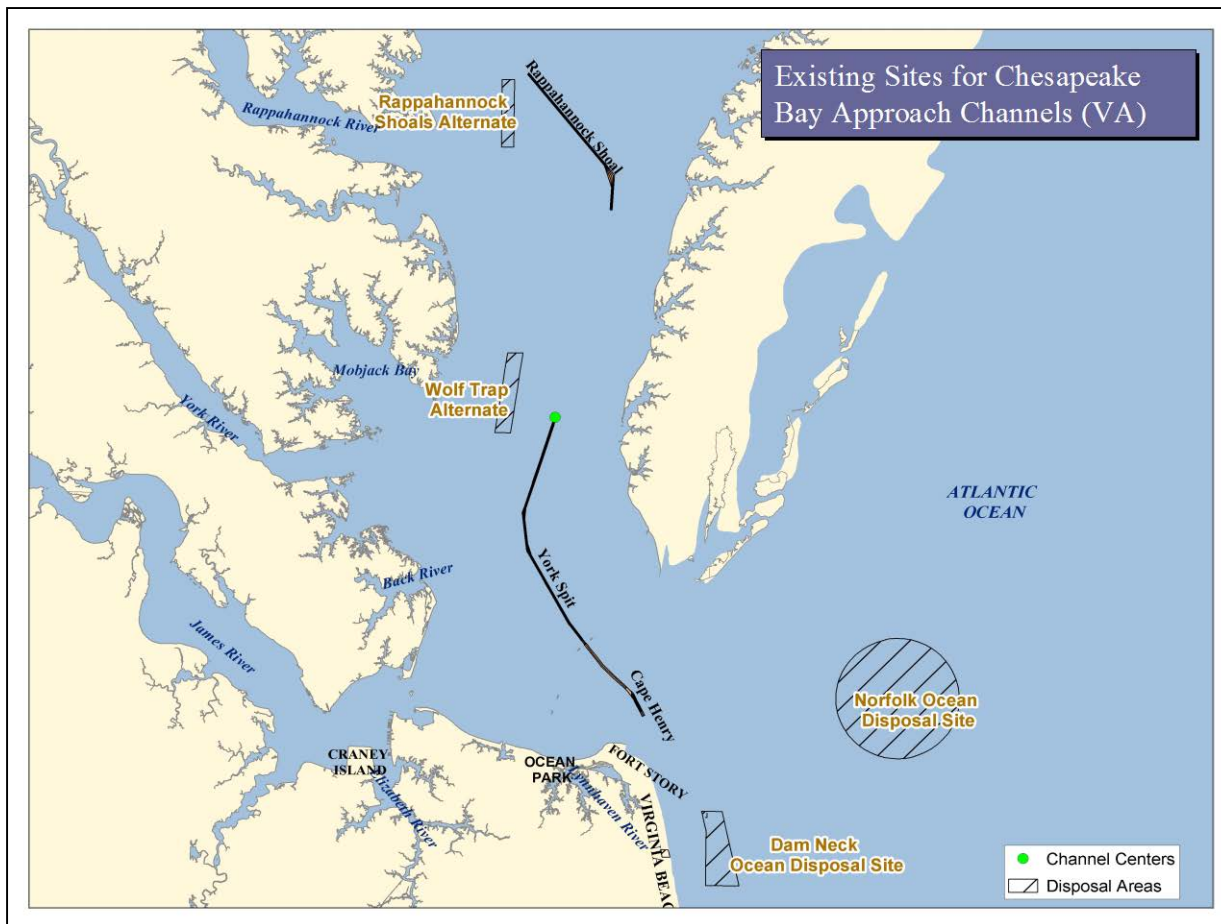
Current schedule
requires project to
be online and
ready to receive
dredged material
by 2026



**US Army Corps
of Engineers**



BENEFICIAL USE OF DREDGED MATERIAL



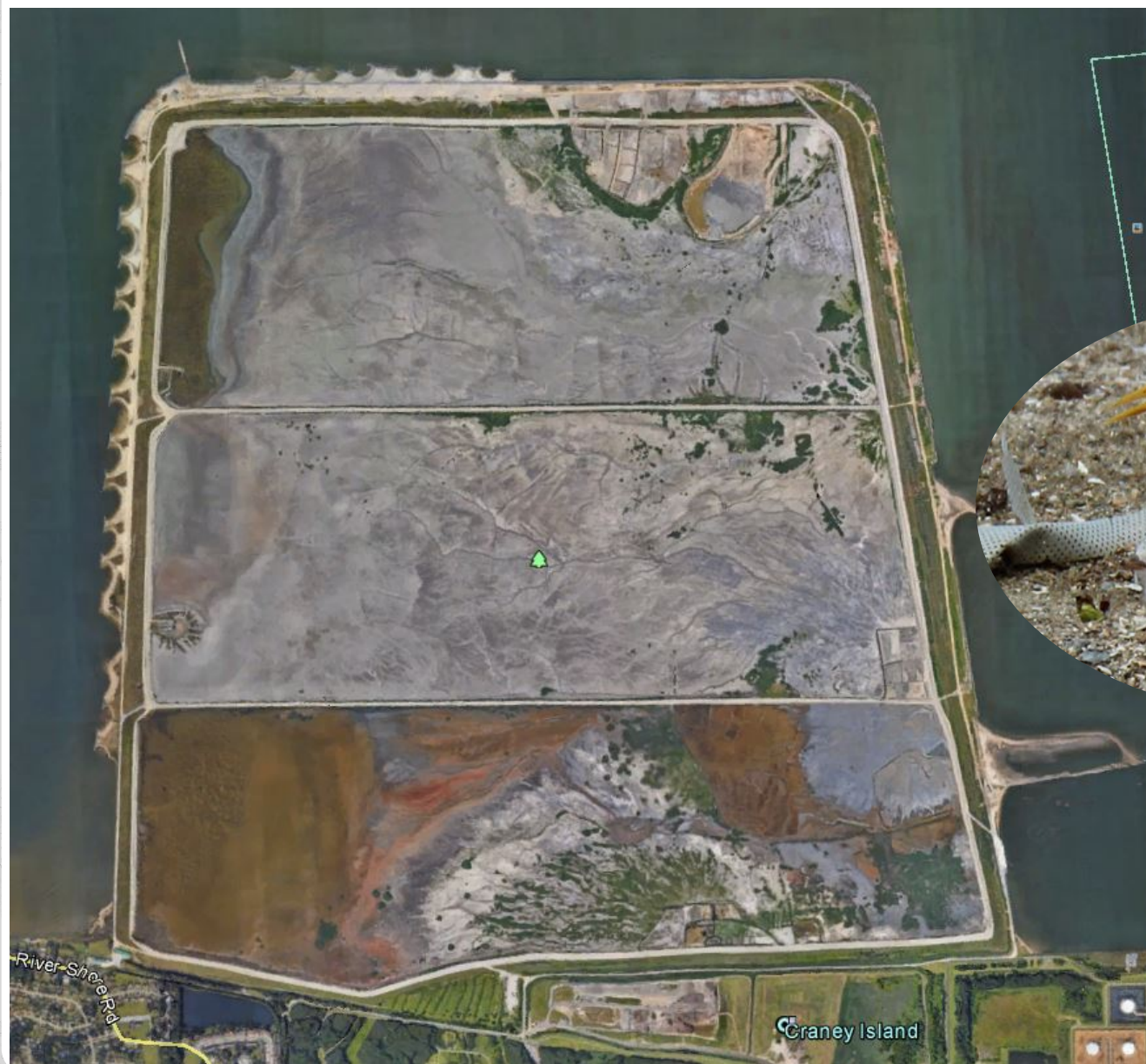
- Interstate and international commerce
- Wolf Trap is Federal Standard
- Overwintering Blue Crabs



US Army Corps
of Engineers



BENEFICIAL USE OF DREDGED MATERIAL



**Least Tern with
Chick on Craney
Island**



**US Army Corps
of Engineers**



Oyster Restoration 10 Tributaries by 2025 Maryland

Harris Creek

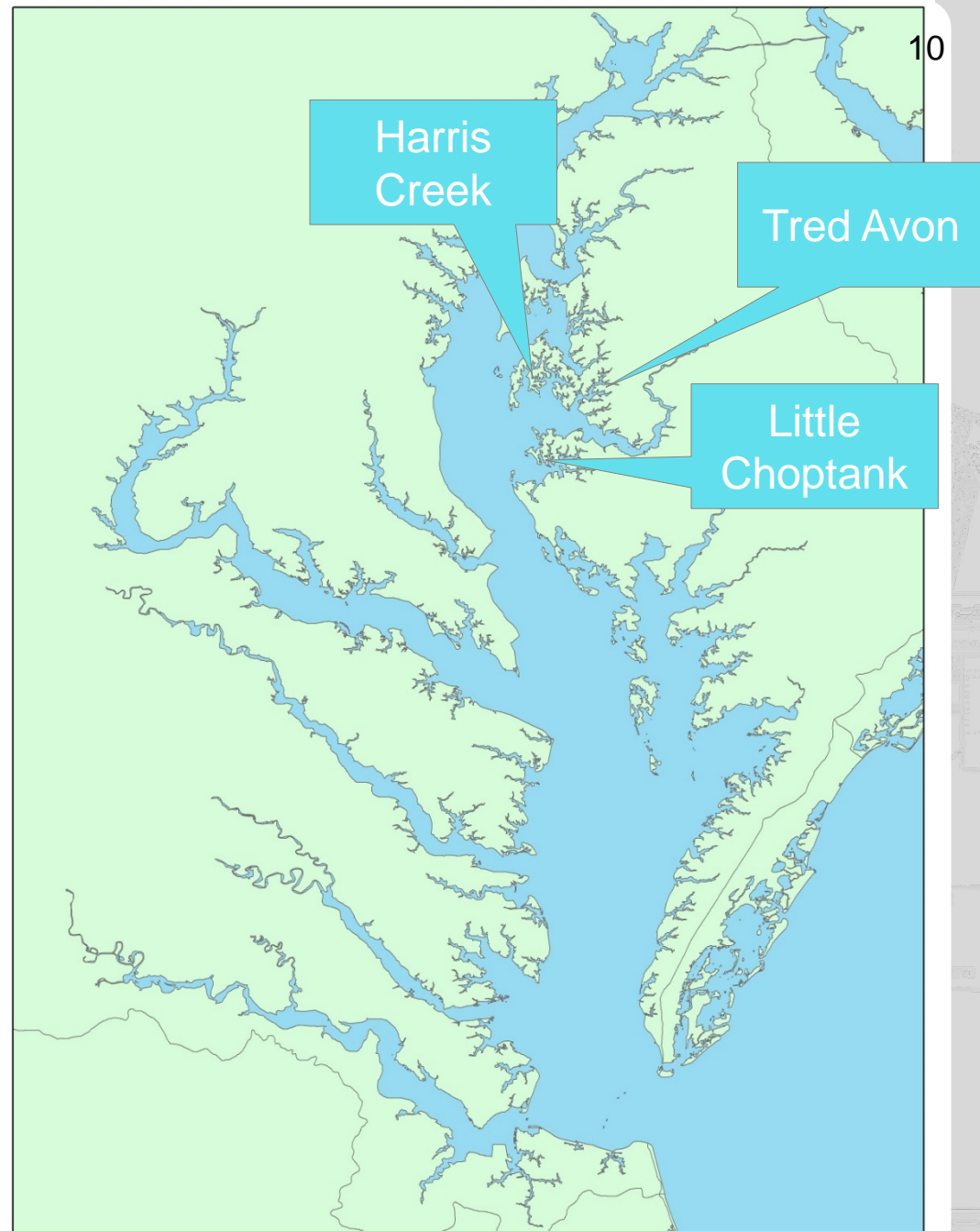
- Sanctuary: 4,500 acres
- Planned Restoration: 372 acres
- Restoration Complete: Summer 2015 – First sanctuary with restoration completed!

Little Choptank River

- Sanctuary: 9,417 acres
- Planned Restoration: 440 acres
- Completed Restoration: 27 acres completed + 125 acres constructed (not yet seeded)

Tred Avon River

- Sanctuary: 4,000 acres
- Planned Restoration: 146 acres
- Completed Restoration: 2.5 acres completed + 13.5 acres constructed (not yet seeded)



Oyster Restoration 10 Tributaries by 2025 Virginia

Great Wicomico

- Planned Restoration: ~ 100 acres
- Completed Restoration: 75 acres

Lynnhaven

- Planned Restoration: ~ 90 - 120 acres
- Completed Restoration: 63 acres

Lafayette

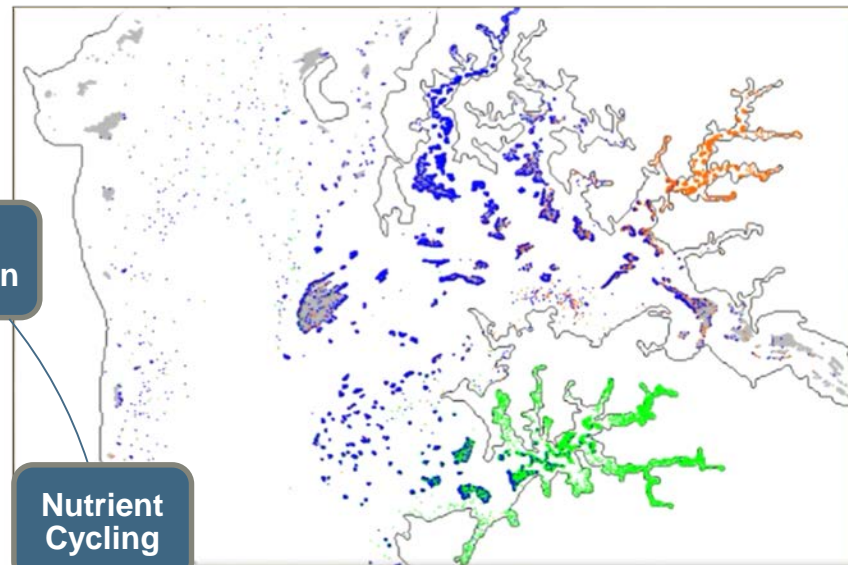
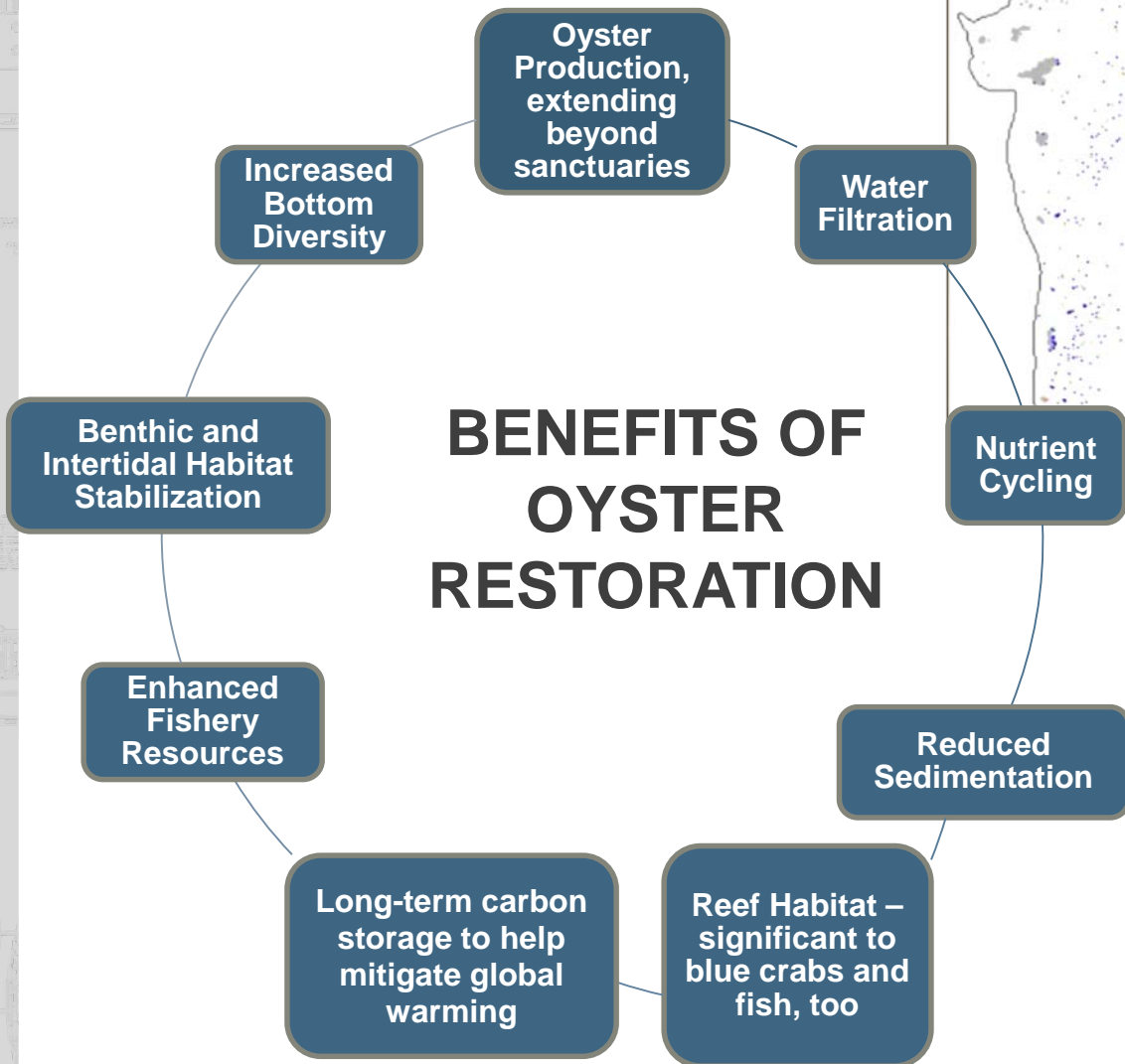
- Planned Restoration: ~ 73 – 146 acres
- Healthy Reefs: ~ 71 acres

Piankatank

- Planned Restoration: ~ 700 acres (to be refined)
- Completed Restoration: 25 acres, ~ 20 more in next year



BENEFITS OF OYSTER RESTORATION



US Army Corps
of Engineers



MARYLAND AND VIRGINIA AQUACULTURE

Maryland

- Recent proposed changes to aquaculture permit process
- Lifted the acreage thresholds
- Concurrent application review process with Maryland Department of Natural Resources



Virginia

- Regional General Permit limited in certain areas (e.g. sea grass beds) but no acreage thresholds
- Active state review/screening process
- Existing, long-term leases in most areas



US Army Corps
of Engineers



QUESTIONS

