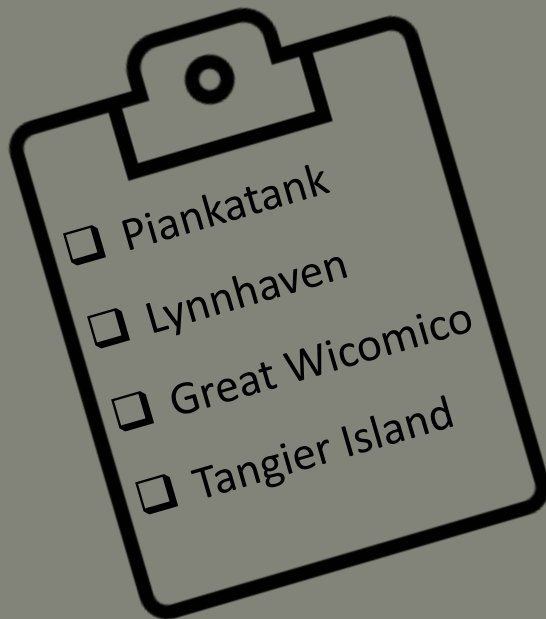


USACE Chesapeake Bay, VA Oyster Restoration



*Keith Lockwood, FPC, LEED AP
Chief, Water Resources Division*



"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®**



PIANKATANK RIVER

Funding Source: Section 704(b) of WRDA 1986, as amended

Non-federal Sponsor: VMRC

Cost share: 75% Federal, 25% Non-Federal

CONSTRUCTION

Burton Point

Phase 1

Status: Complete, 2017

Acreage: 25 acres

Contract Cost: \$2,083,000

Phase 2

Status: Scheduled May 2022*

Acreage: Up to 50 acres

Federal Funds Available: \$3.1M

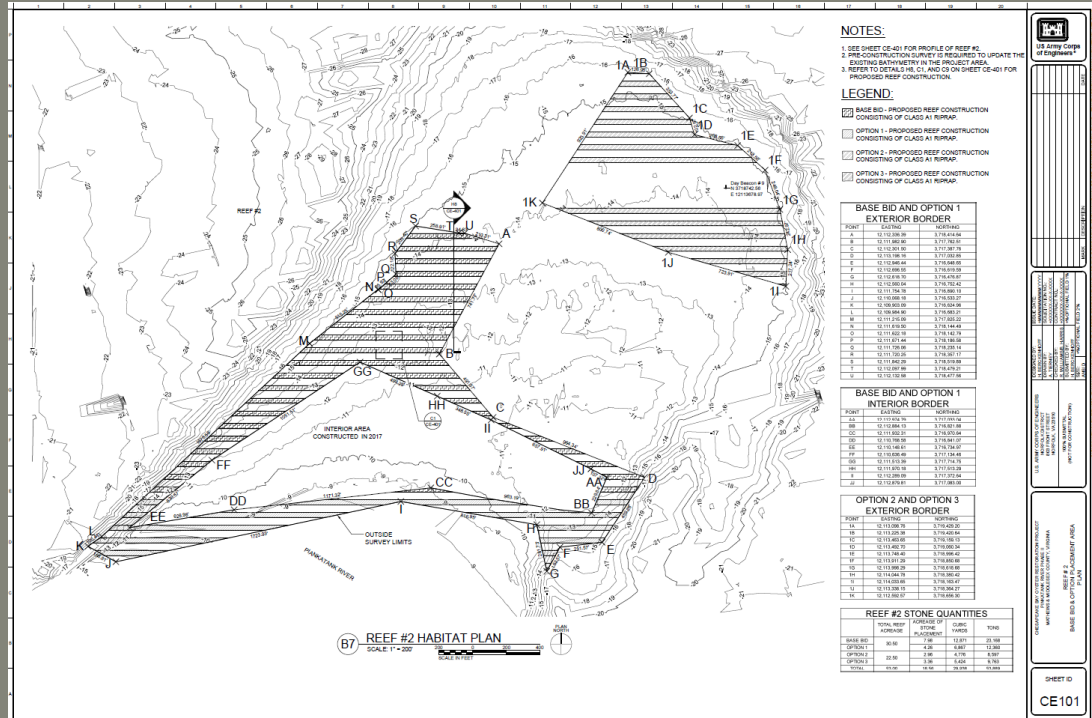
*Pending Project Cooperation Agreement Amendment approval at ASA(CW)

Phase 3

Status: Scheduled July 2023

Acreage: Anything not constructed under Phase 2

Federal Funds Available: \$4.6M



MONITORING

Phase 1 & 2: 2023

Phase 3: 2024

LYNNHAVEN RIVER

Funding Source: Lynnhaven River Basin Ecosystem Restoration

Non-federal Sponsor: City of Virginia Beach

Cost share: 65% Federal, 35% Non-Federal

Total Project Cost: \$39M (12% complete)

CONSTRUCTION

Phase 1: Lynnhaven Bay

Status: Complete 2021

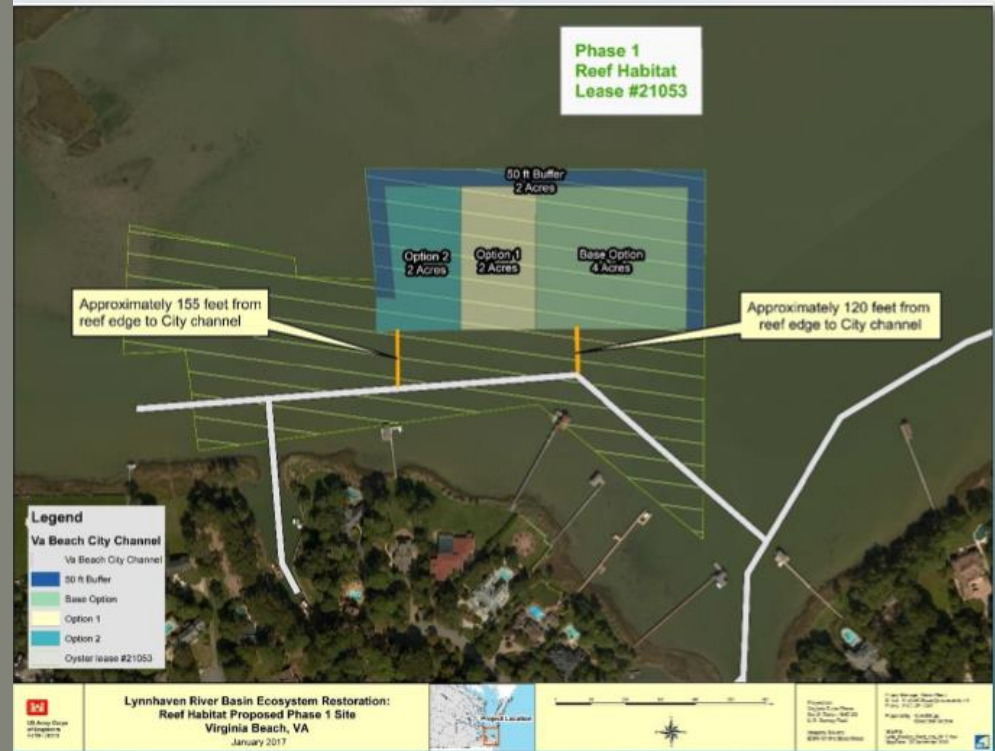
Acreage: 8 acres

Contract Cost: \$3,055,316

Phase 2: Broad Bay

Status: Scheduled July 2023

Acreage: 23.9 acres



MONITORING

Phase 1: 2022

GREAT WICOMICO RIVER

Funding Source: Section 704(b) of WRDA 1986, as amended

Non-federal Sponsor: VMRC

Cost share: 75% Federal, 25% Non-Federal

ADAPTIVE MANAGEMENT

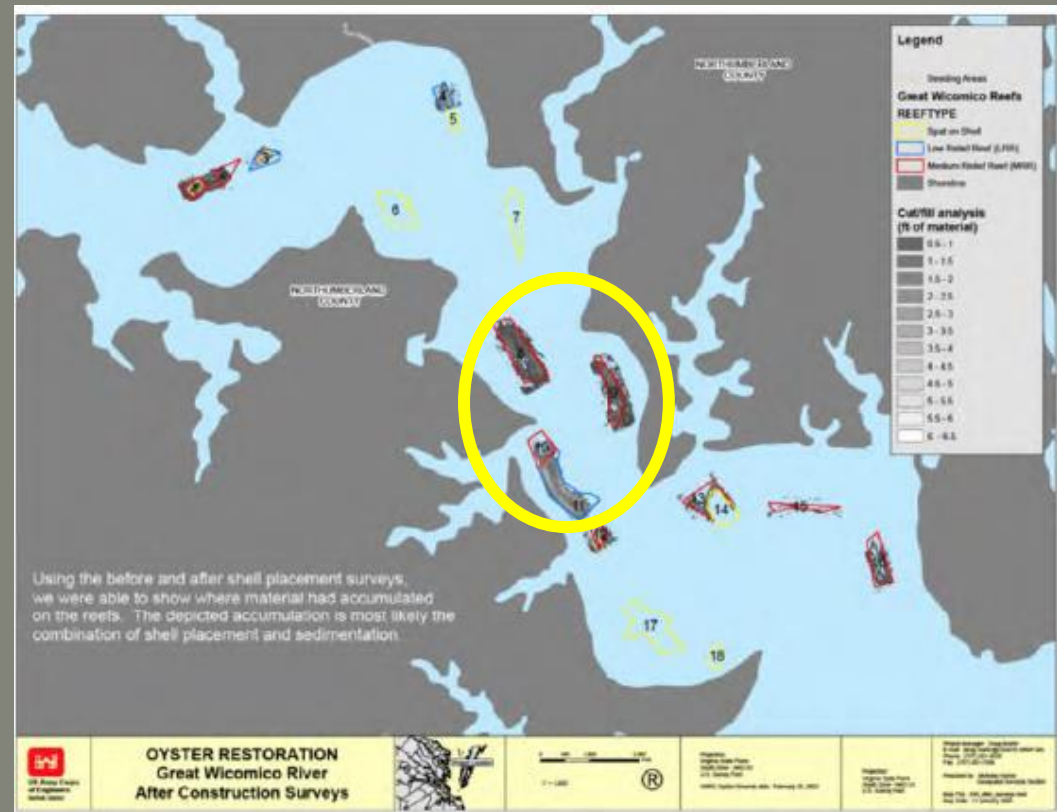
Status: Scheduled July 2023

Acreage: Up to 19 acres

Federal Funds Available: \$3.0M

Next Steps:

- Internal approval at NAD
- Integral Determination Report
- Project Partnership Agreement
- Designs & Permits
- Award Contract



VIMS 2021 Monitoring report shows increased evidence of poaching on circled reefs. Previously, USACE built these reefs with shell only. We plan to use alternative substrate to deter poaching.

TANGIER ISLAND

Funding Source: Section 704(b) of WRDA 1986, as amended

Non-federal Sponsor: VMRC

Cost share: 75% Federal, 25% Non-Federal

CONSTRUCTION

Status: Planning

Acreage: TBD

Federal Funds Available: TBD on
Infrastructure Investment and Jobs Act

Next Steps:

- Gather data on 160 acres constructed in 2001 in partnership with VMRC
 - Hydrodynamic model and larval transport information
- Integral Determination Report
- Project Partnership Agreement
- Design & Permits
 - Nearshore, intertidal oyster habitat options
 - Expansion of existing subtidal reefs
- Award Contract

