

The background image shows a landscape with tall, dry, golden-brown grass in the foreground. In the middle ground, there is a body of water, likely a creek or marsh. In the background, a row of multi-story apartment buildings or residential complexes is visible under a clear sky.

The Restoration of Fresh Creek

Bobbi Jo McClain
U.S. Army Corps of Engineers

Jamaica Bay Ecosystem Restoration Project

- **8 peripheral sites**
 - **Preserve and restore marsh**
 - **Improve water quality**
 - **Restore buffer zone**
- **NYC Department of Environmental Protection**



Hawtree
Basin

Spring Creek

Fresh Creek

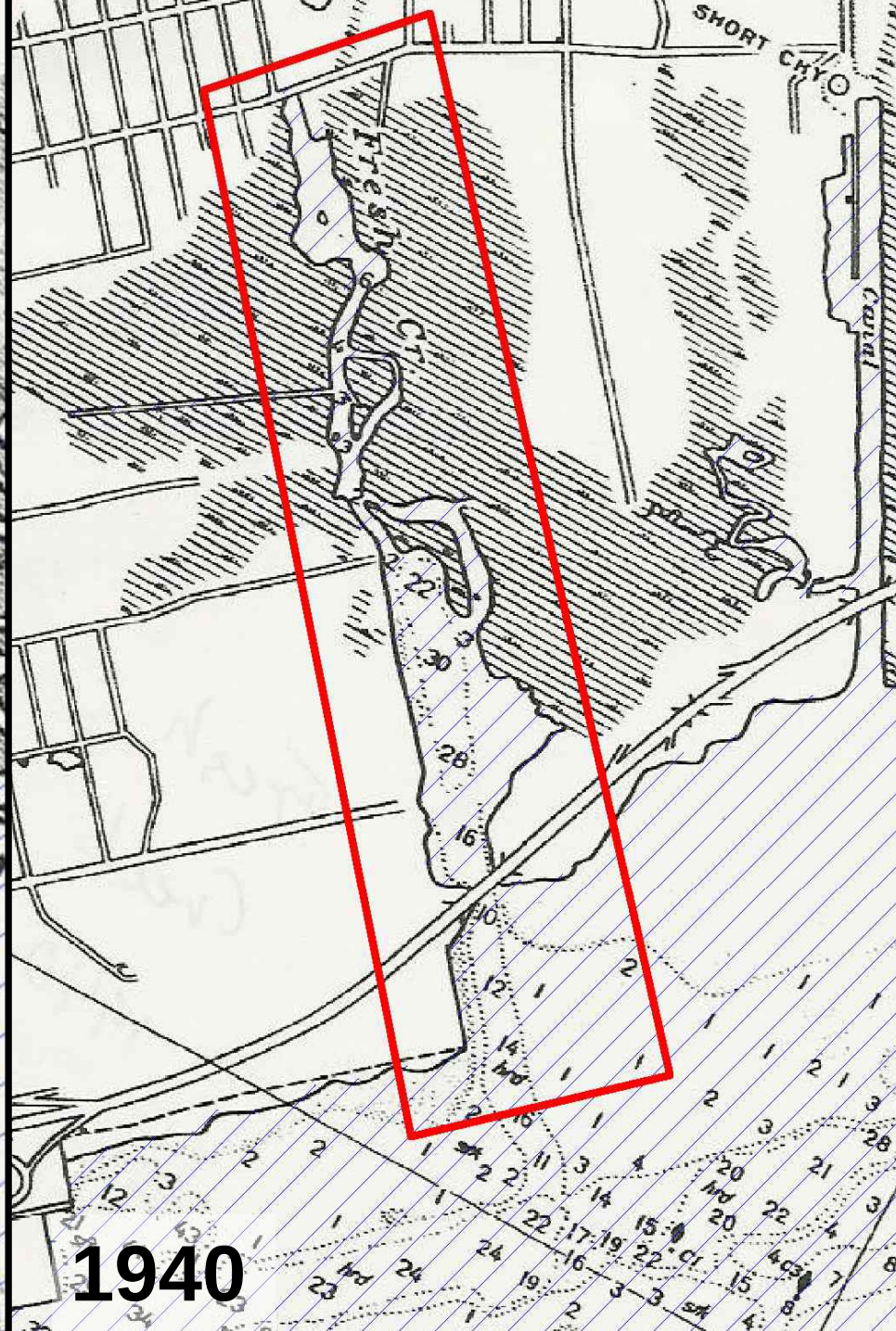
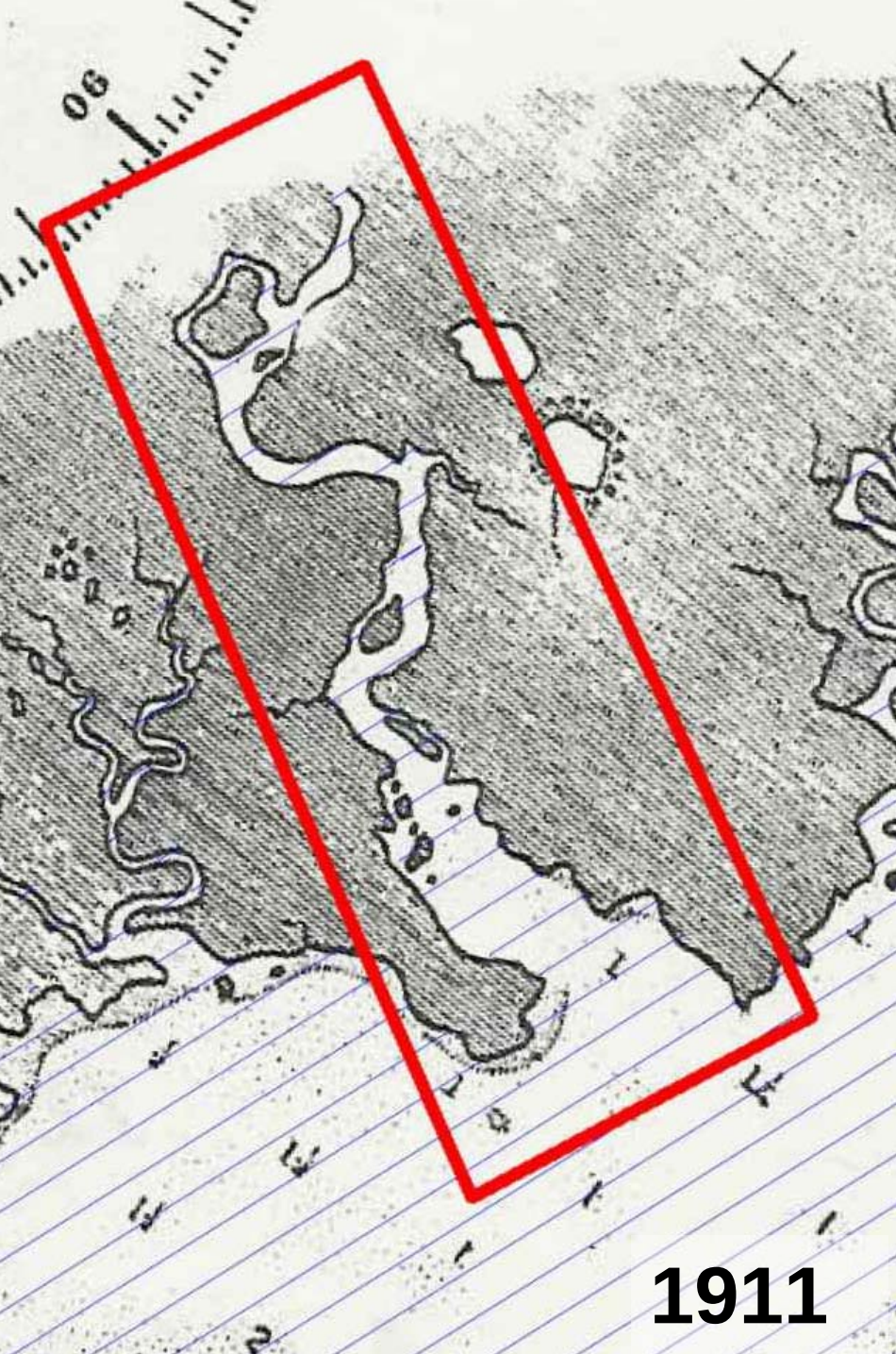
Paerdegat
Basin

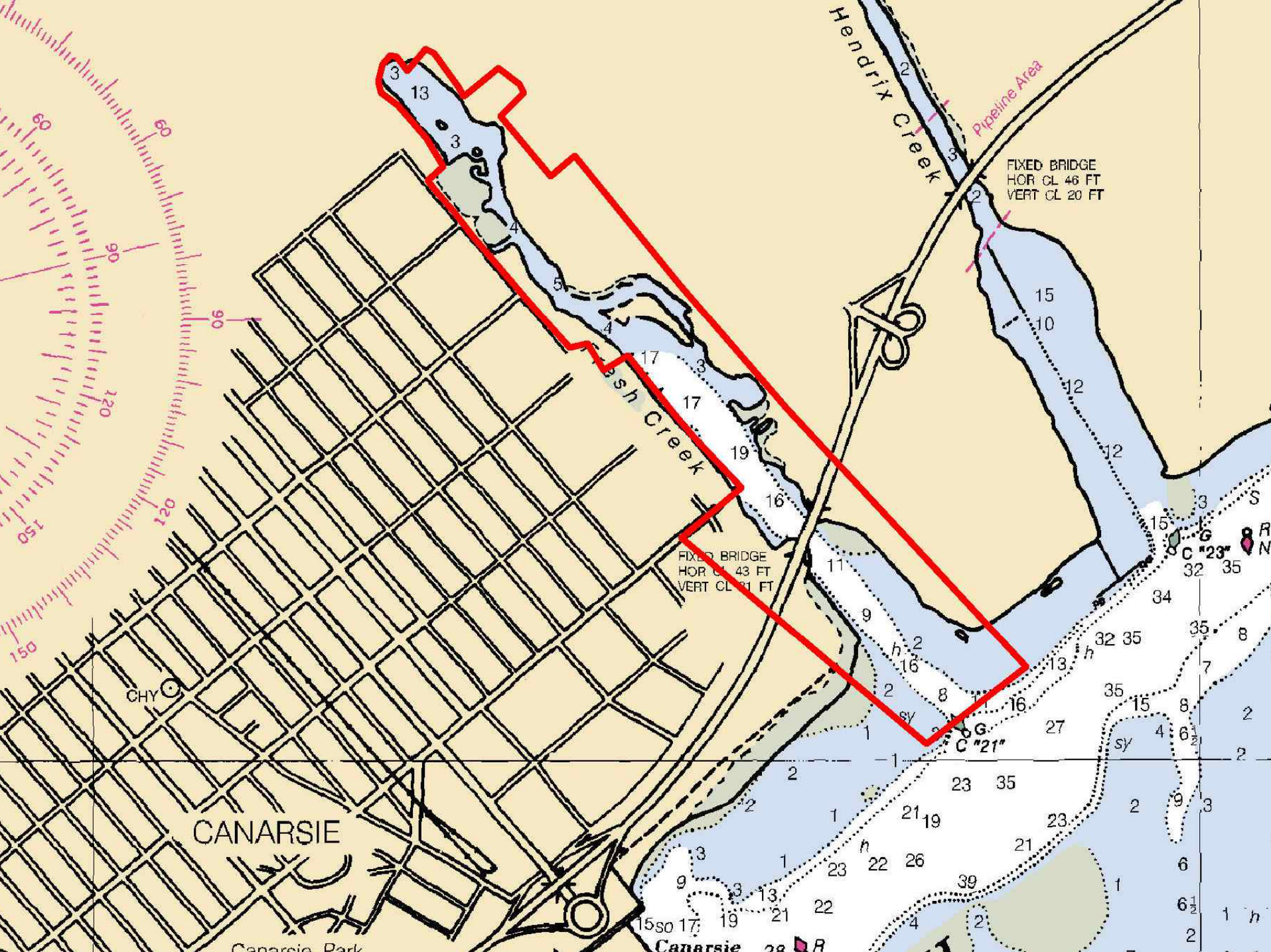
Bayswater
State Park

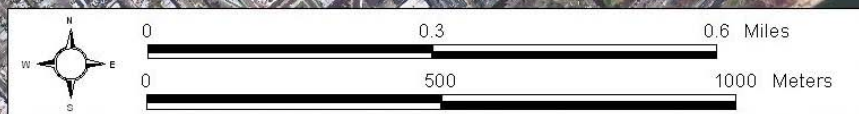
Dubos
Point

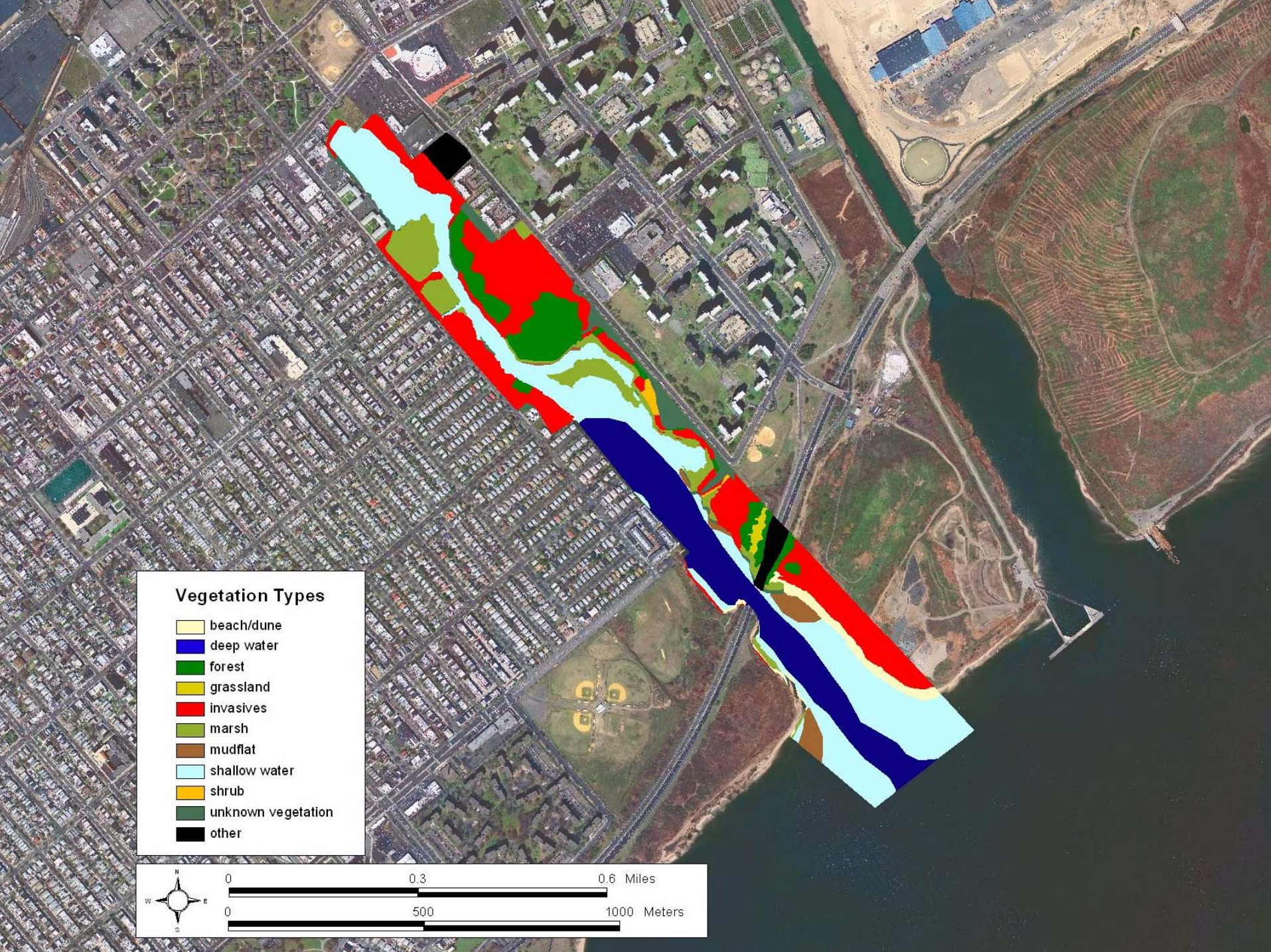
Brant
Point

Dead Horse
Bay



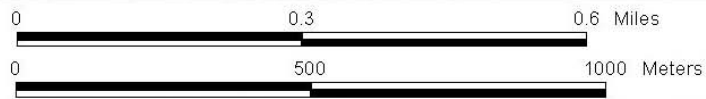
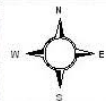


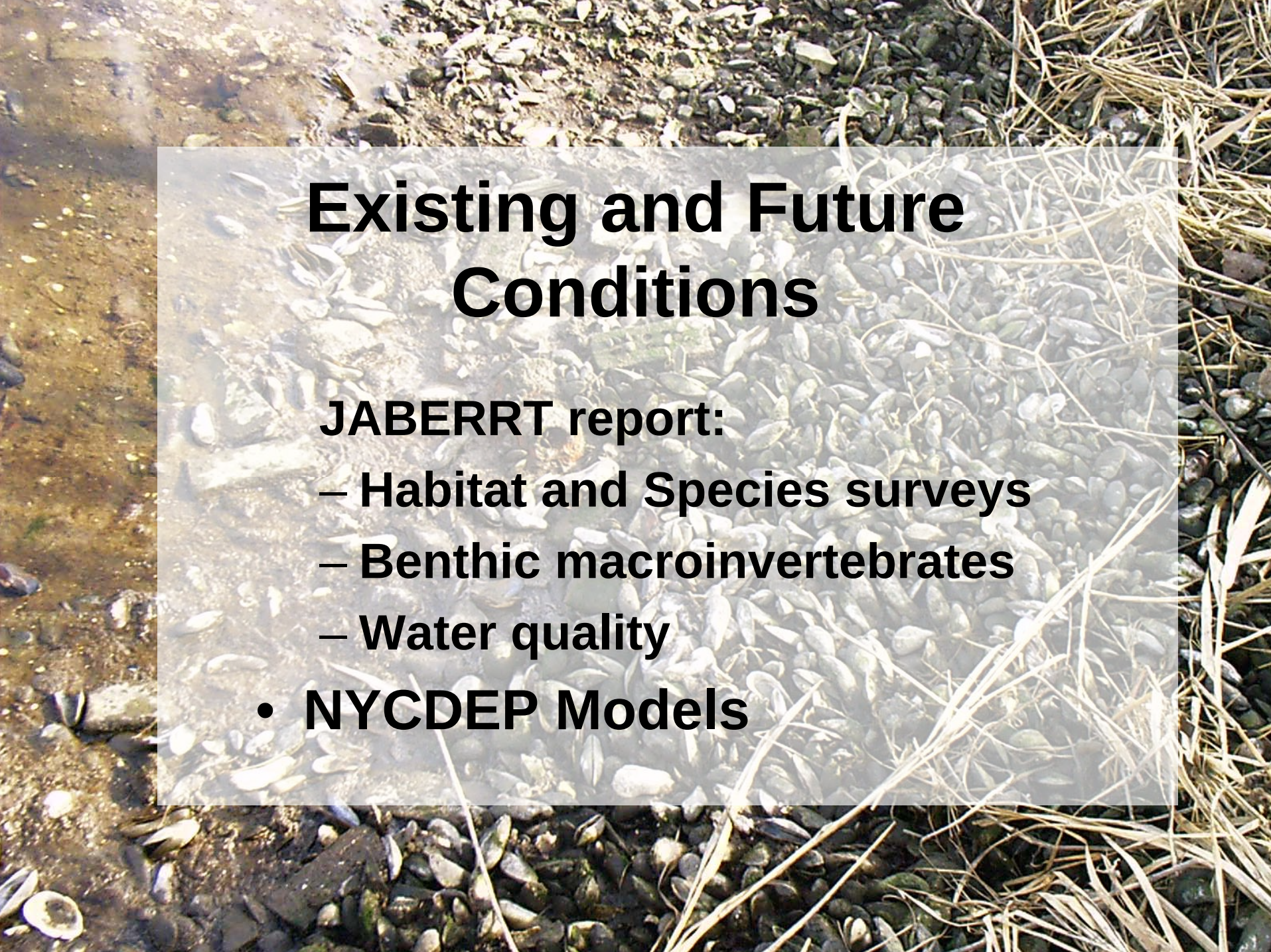




Vegetation Types

- beach/dune
- deep water
- forest
- grassland
- invasives
- marsh
- mudflat
- shallow water
- shrub
- unknown vegetation
- other





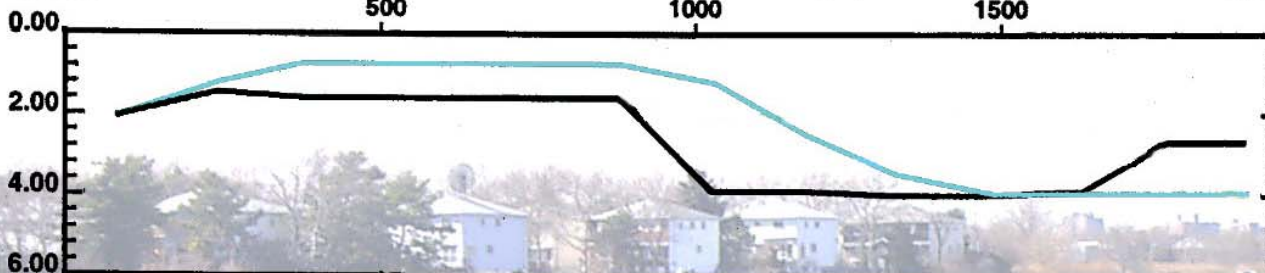
Existing and Future Conditions

JABERRT report:

- Habitat and Species surveys**
- Benthic macroinvertebrates**
- Water quality**
- NYCDEP Models**

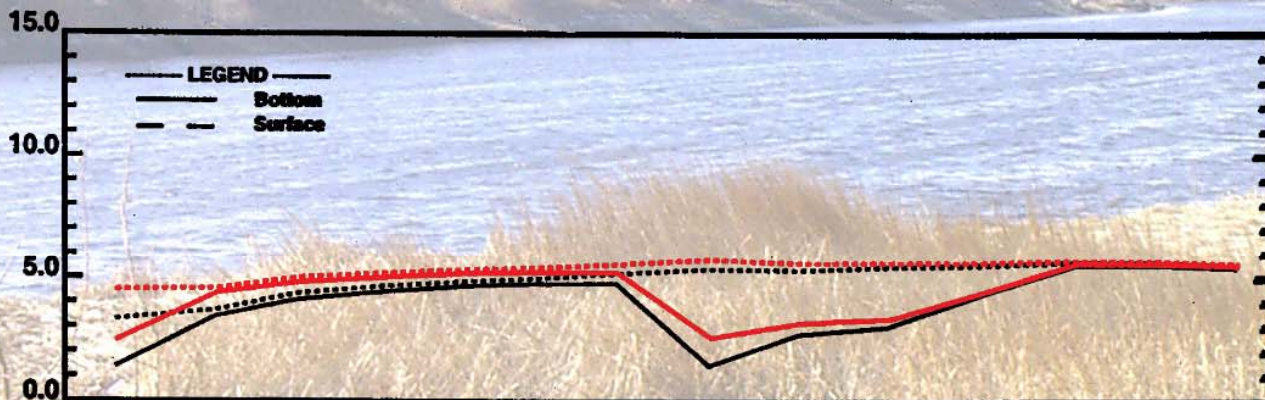
Head Distance from Head (m) Mouth

Bathymetry (m)



CSO

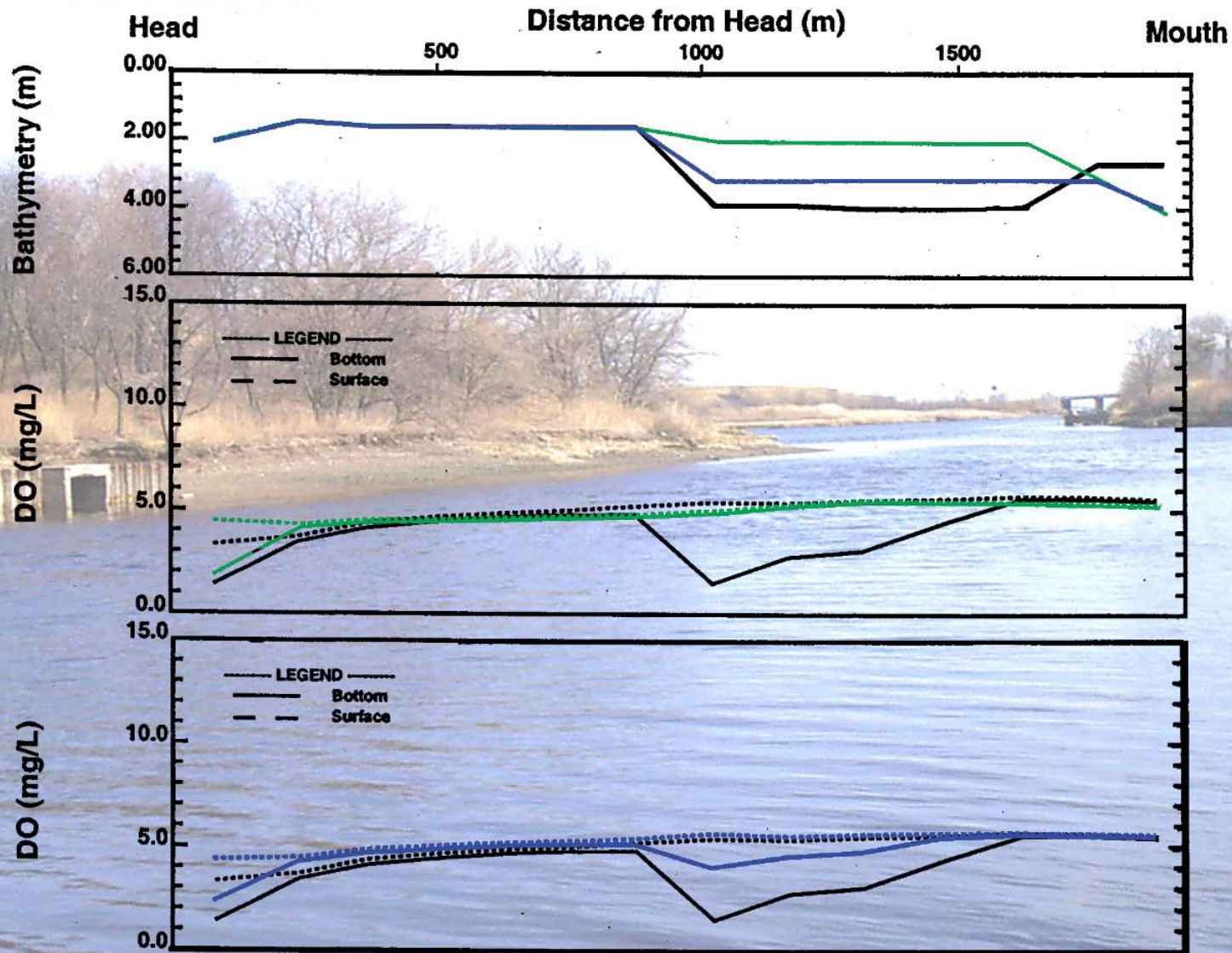
DO (mg/L)



Filling
the
upper
half

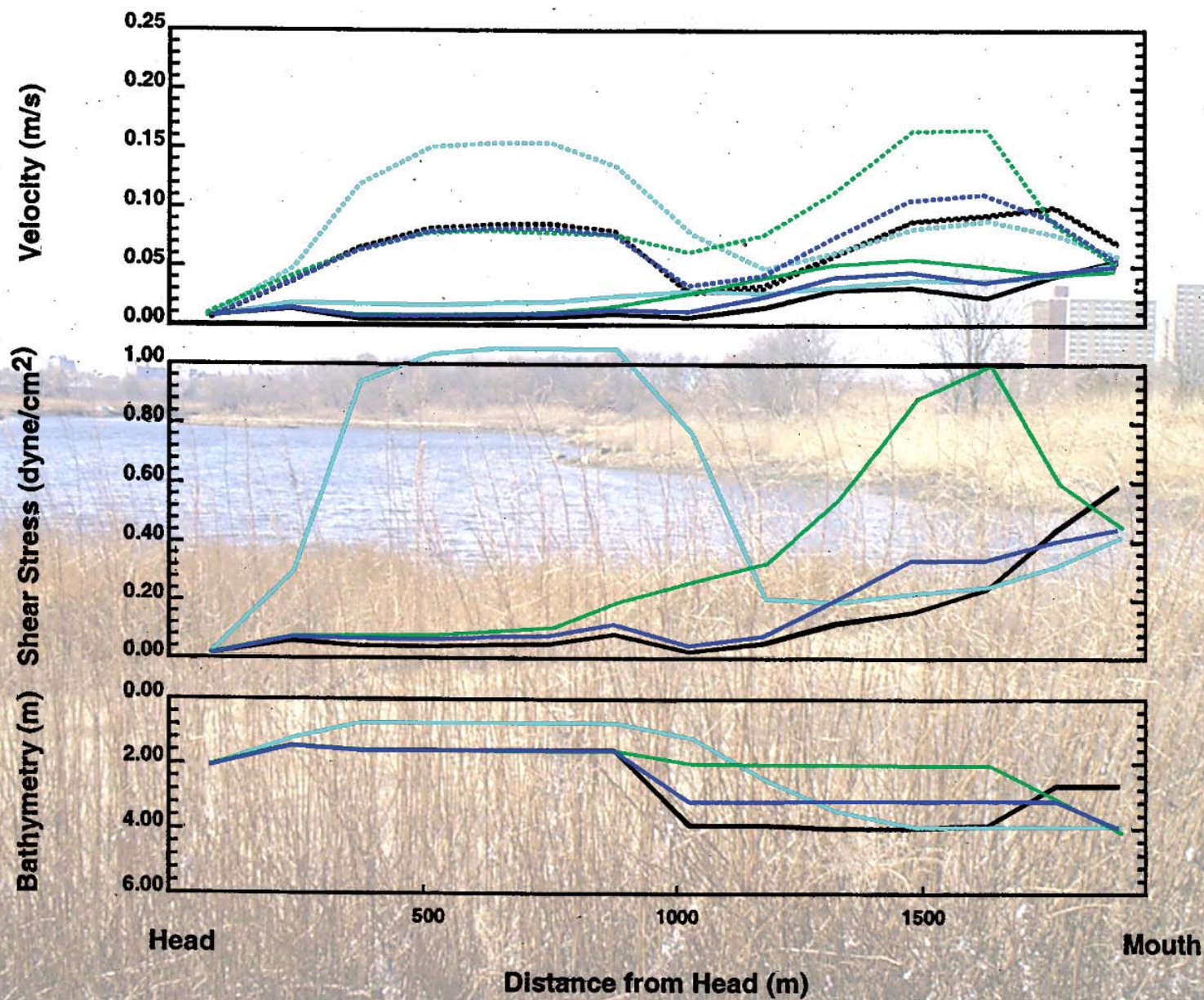
DO (mg/L)





Fill to
-4 ft

Fill to
-8 ft

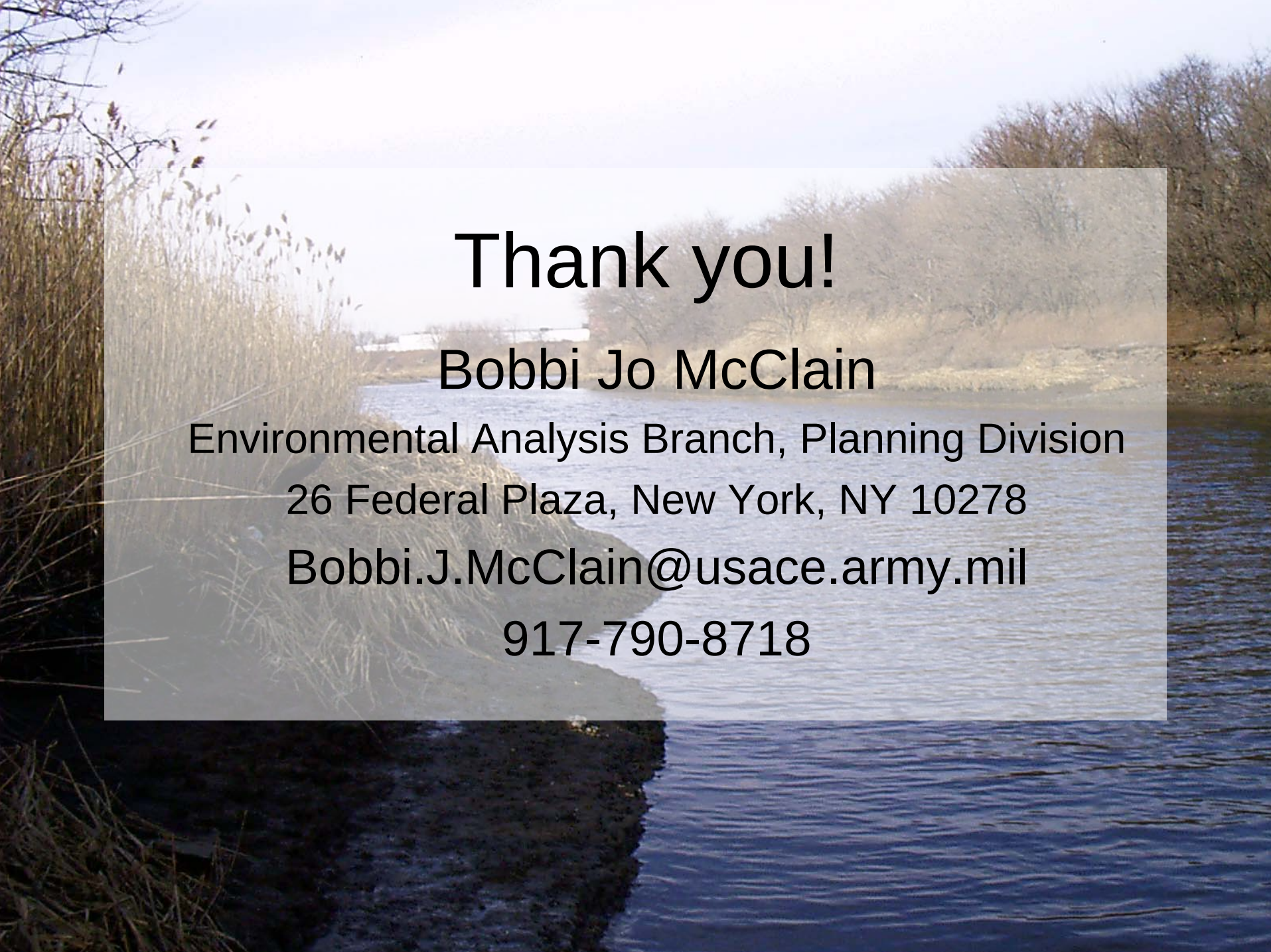






Next Steps

- **Feasibility Phase**
- **PED phase**
- **Construction**
- **Operations and Maintenance**



Thank you!

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