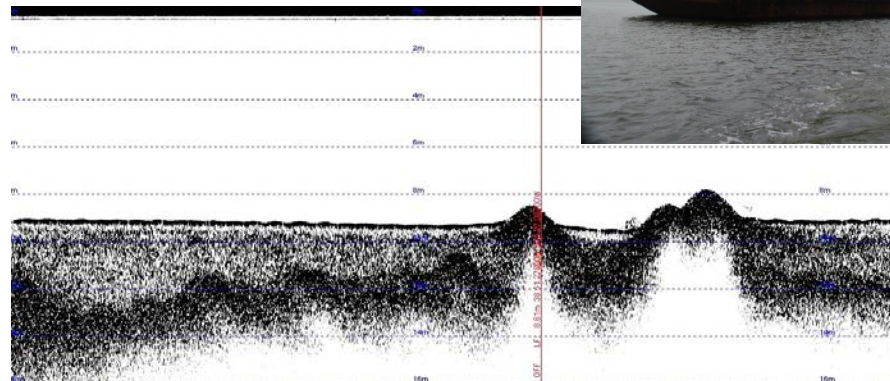
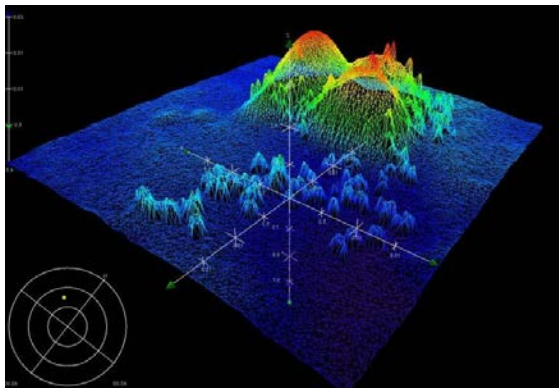
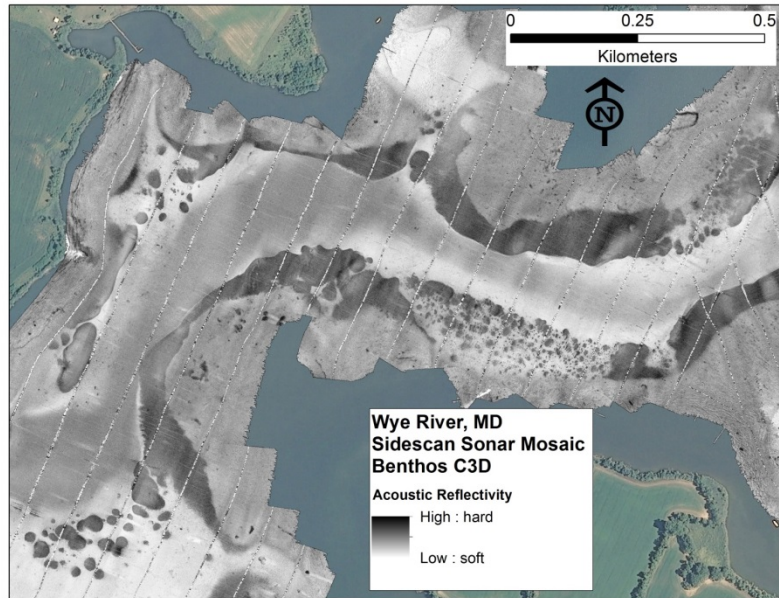


Spatial Data Used in Planning Large Scale Oyster Restoration Projects

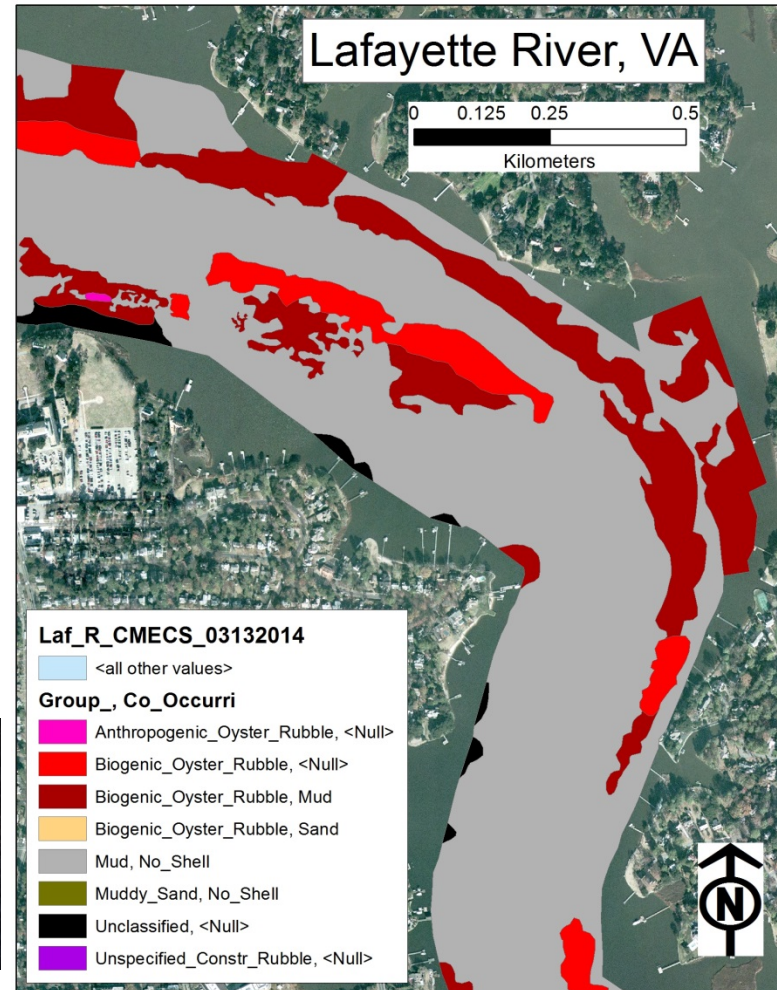
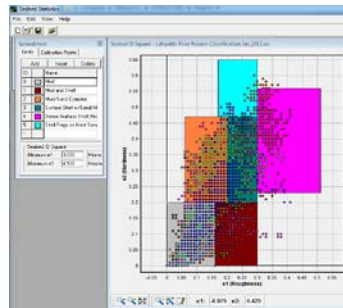


Seabed Habitat Characterization

Sidescan sonar, Singlebeam Classification,
(100 m transect spacing), Ground Truthing



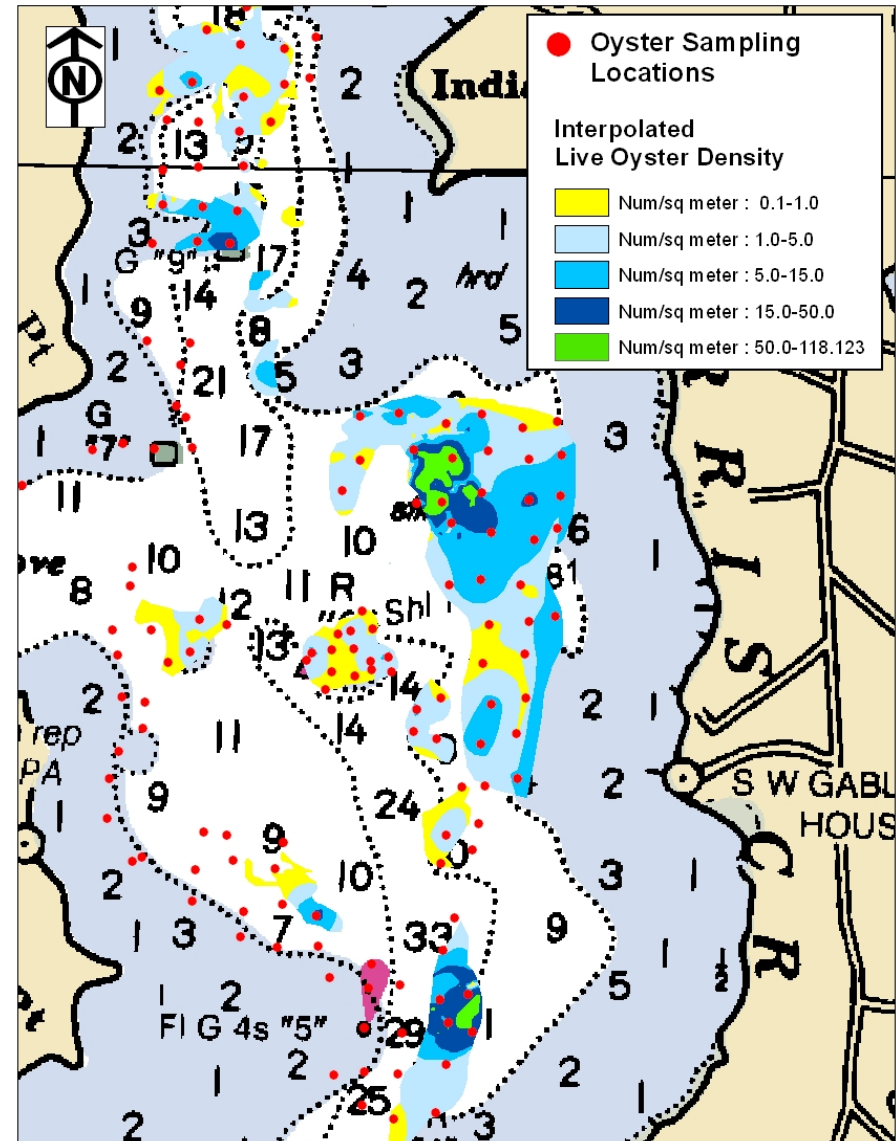
Classification with CMECS Substrate
Component



Live Oyster Distribution And Abundance



Oyster survey sample site selection
based on CMECS Substrate
Component polygons



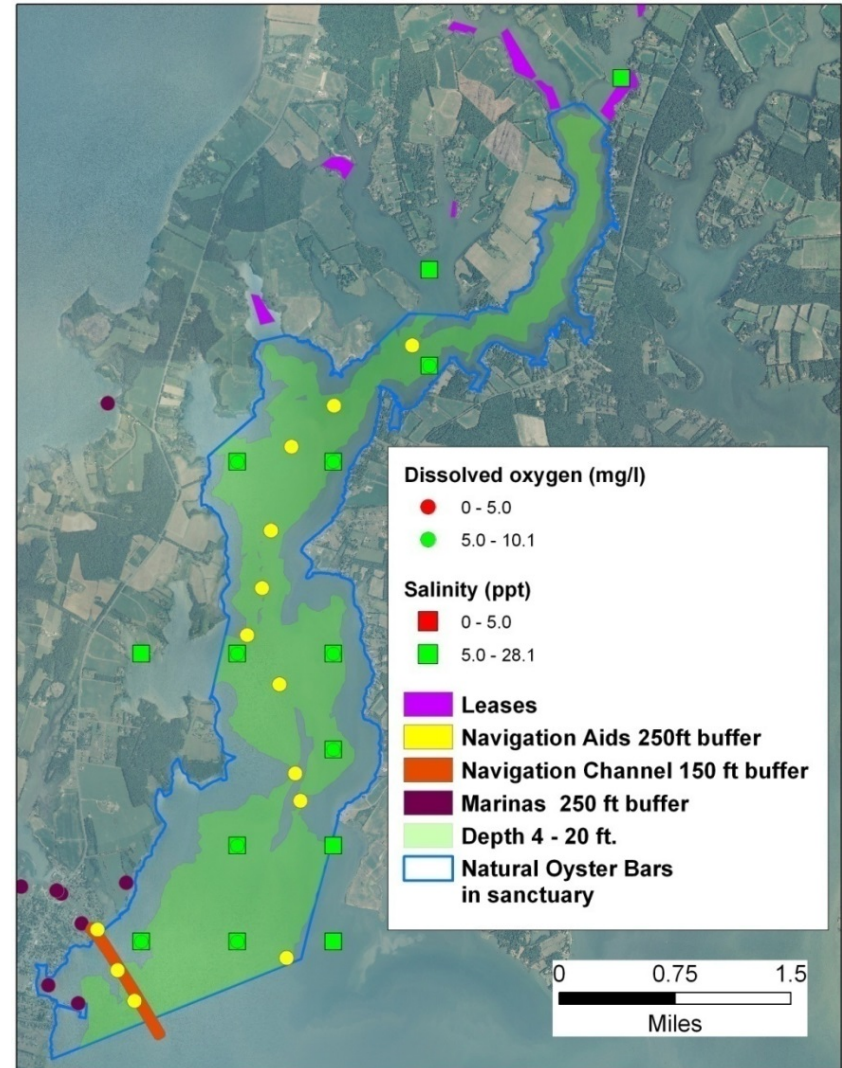
Restorable Bottom Assessment: General Criteria for Restoration Projects

Physical/Biological

- Suitable Seabed Conditions (bottom type)
- Oyster density $< 50/\text{m}^2$
- Dissolved oxygen : $\geq 5 \text{ mg/l}$
- Salinity : $\geq 5 \text{ ppt}$.
- Depth $< 20 \text{ feet}$
- SAV considerations

Regulatory (and other)

- Outside private lease areas
- Outside buffer zones around navigation aids, maintained channels, and docks.
- Outside sanitary shellfish closure areas and marinas
- Vessel traffic considerations



Detailed Surveys of Draft Blueprint Sites

- 25m Transect Spacing
- Singlebeam and Multibeam Sonar bathymetry
- Acoustic Seabed Classification
- Sub-bottom Profiling

