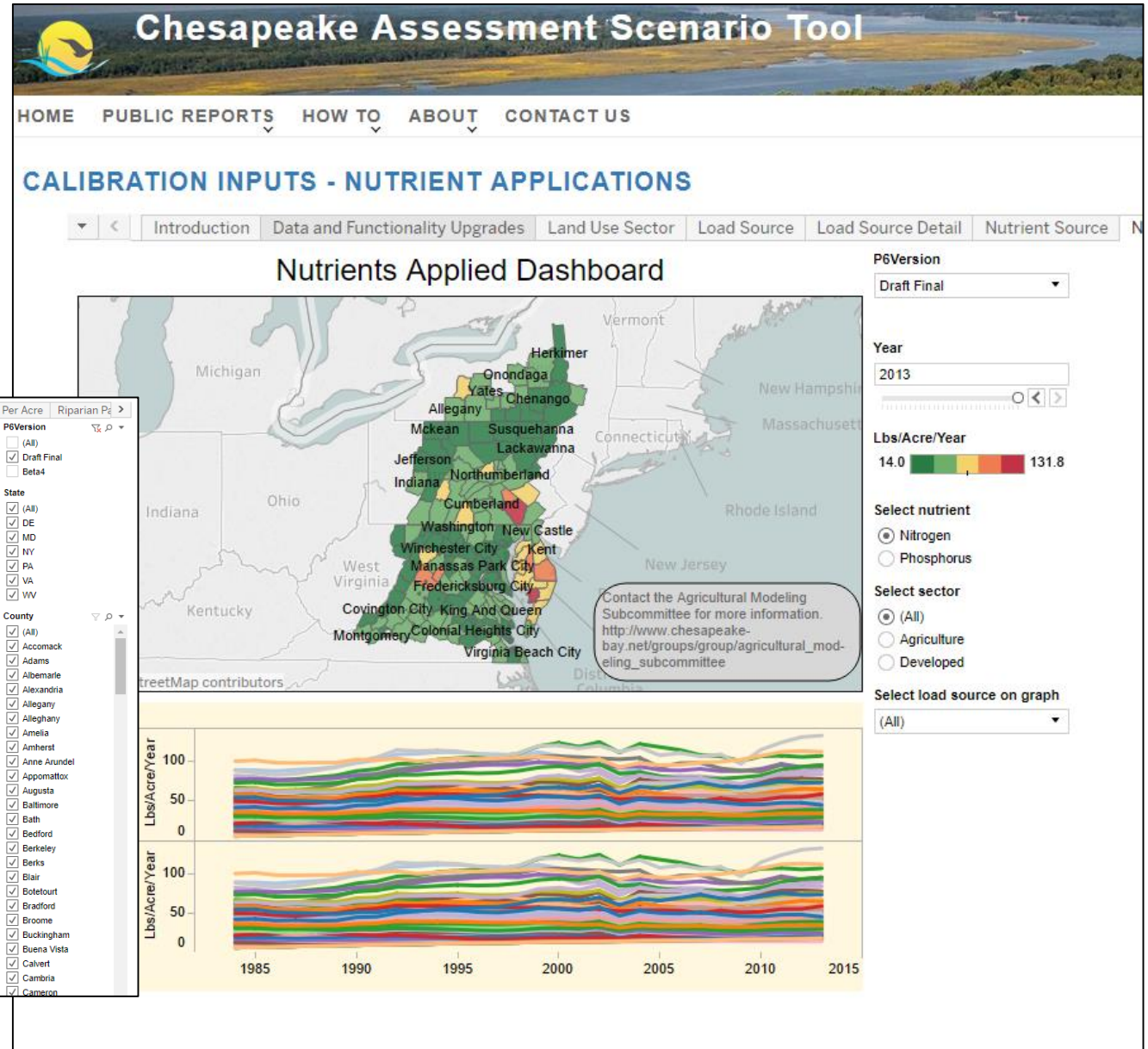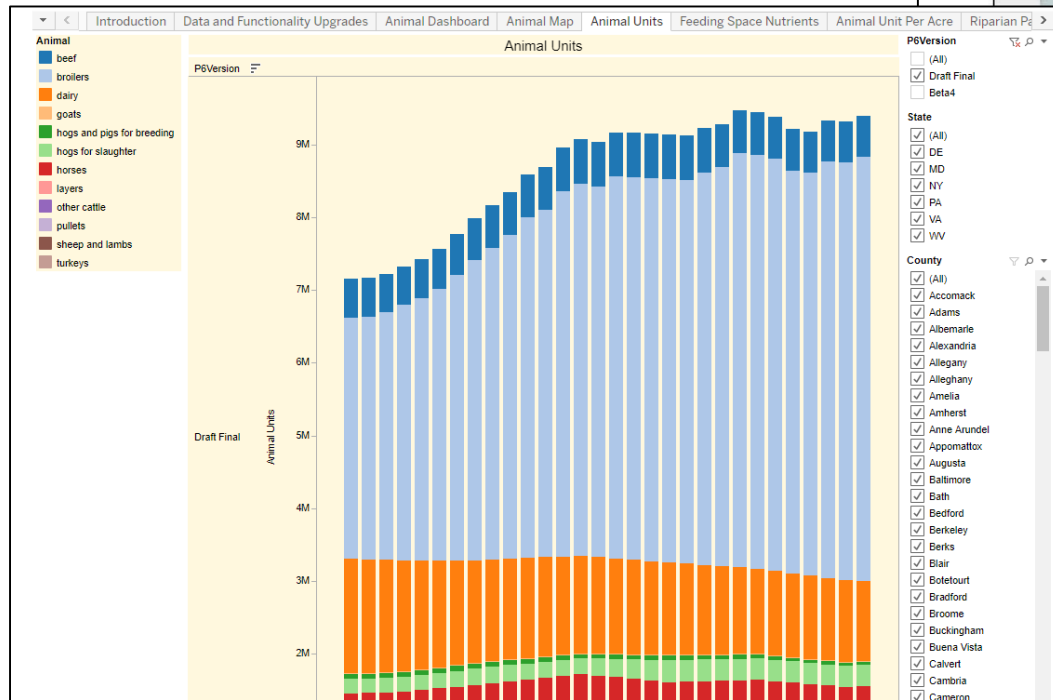# Preliminary Data Viz Tools to Assist with Draft Phase III Planning Targets

John Wolf
USGS – EGSC
WQGIT Meeting
September 26, 2017

Overview

- Review what currently exists
- Projects under development
- WQGIT engagement moving forward

Phase 6 Model Inputs

http://cast.chesapeakebay.net/Documentation/CalibrationInputs

Non-Tidal Water Quality Dashboard

https://cast.chesapeakebay.net/documentation/NonTidalWaterQualityDashboard
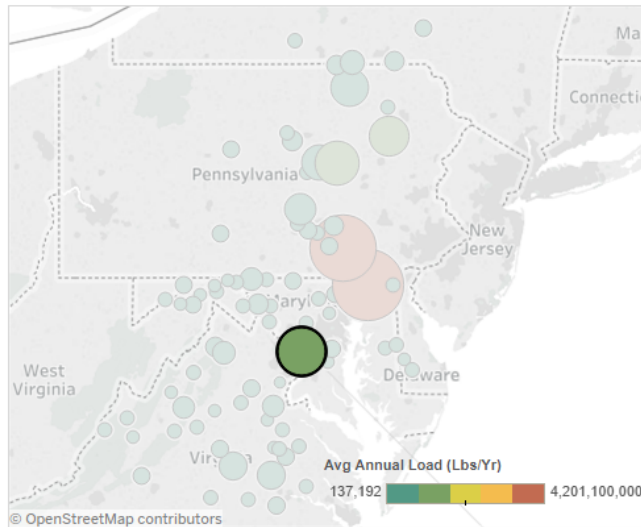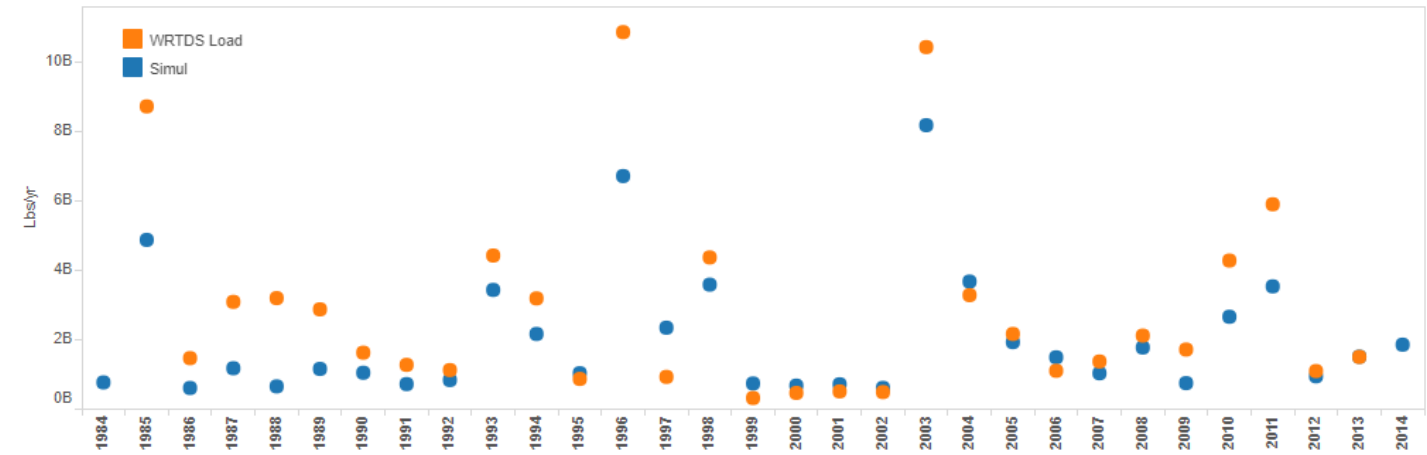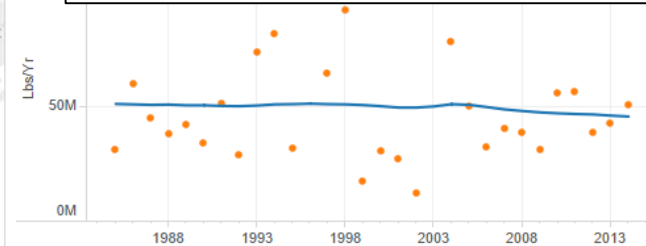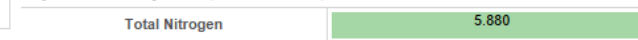
Scenario Comparison Viewer
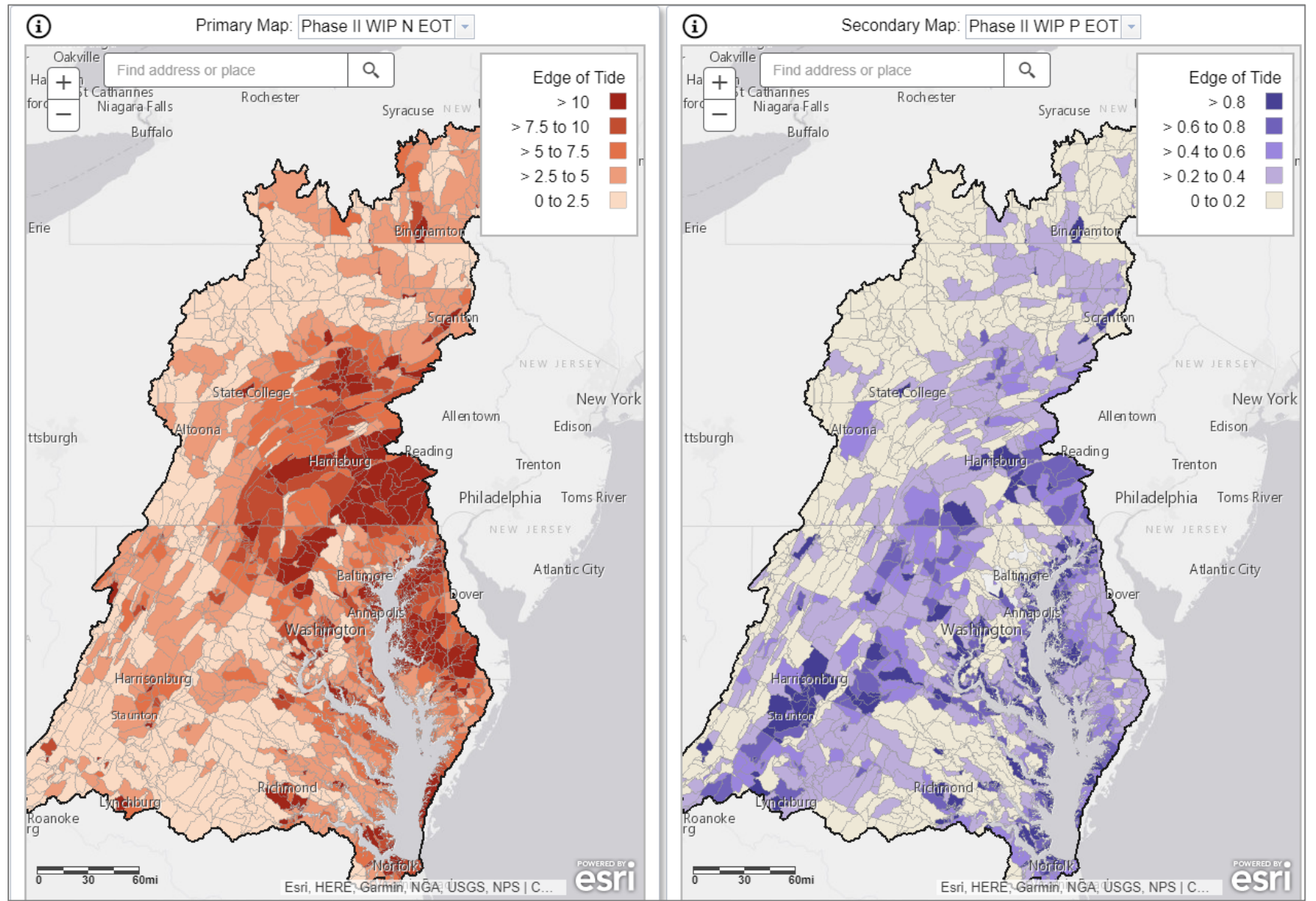
https://gis.chesapeakebay.net/mpa/comparescenarios/

Model Scenario Viewer

https://gis.chesapeakebay.net/mpa/scenarioviewer/
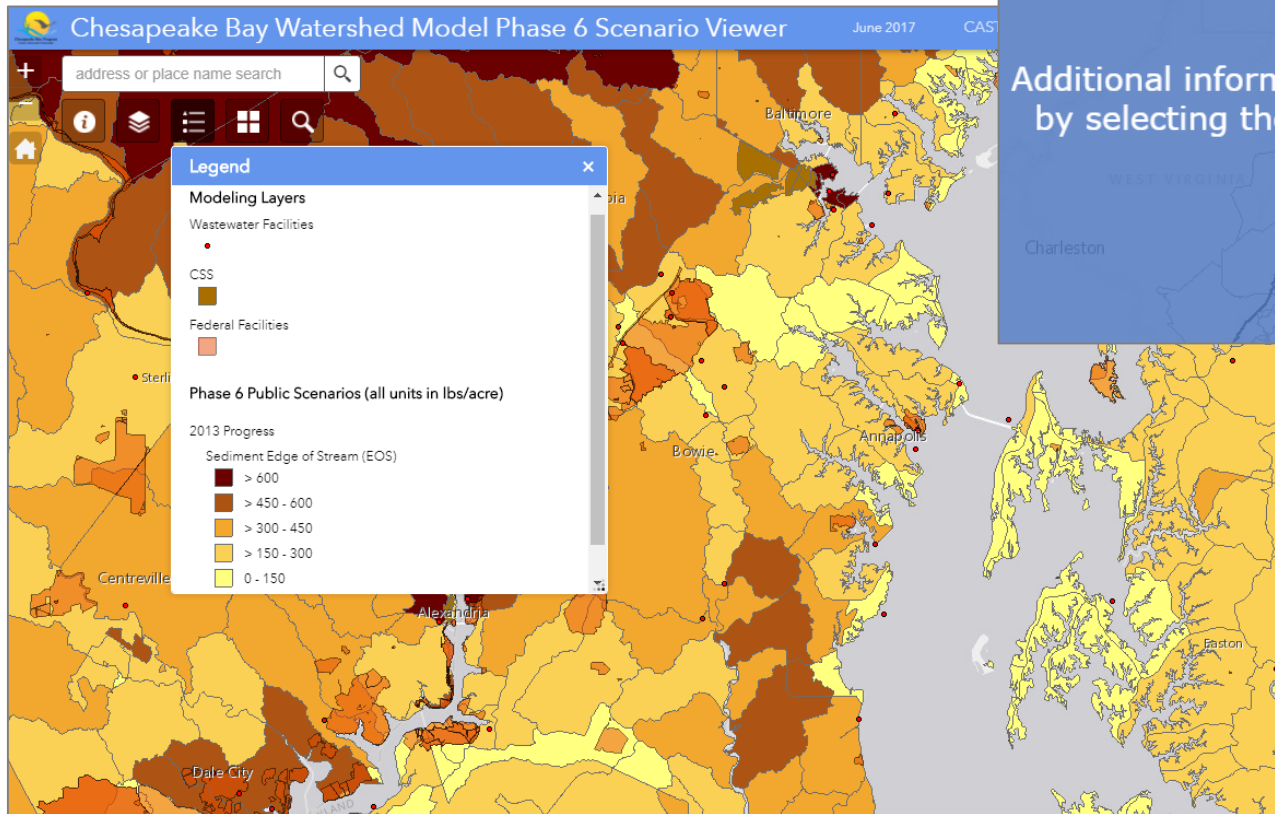
Model Scenario Viewer – Existing Data

- Modeling Layers
  - WWTP, CSS, MS4, Federal Facilities, Segment Boundaries,

- Land Use Data

- Phase 6 Public Scenarios

- Cross-GIT Mapping Layers
  - Data layers identified as important to other Outcomes

Model Scenario Viewer – Planned Enhancements (10/17)

- USGS Published Layers
  - SPARROW N and P
  - Hydrogeomorphic – vulnerability layers
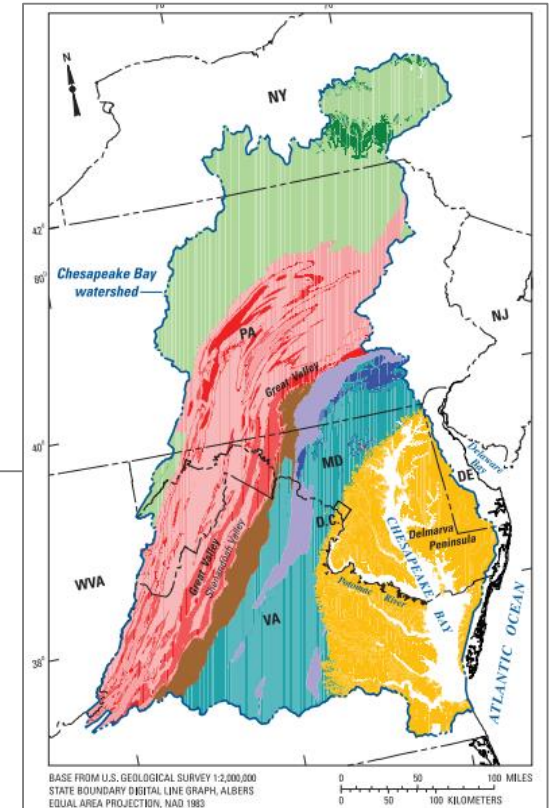 - Groundwater layers
- Other Phase 6 Products?
  - N, P Effectiveness
  - Land change projections
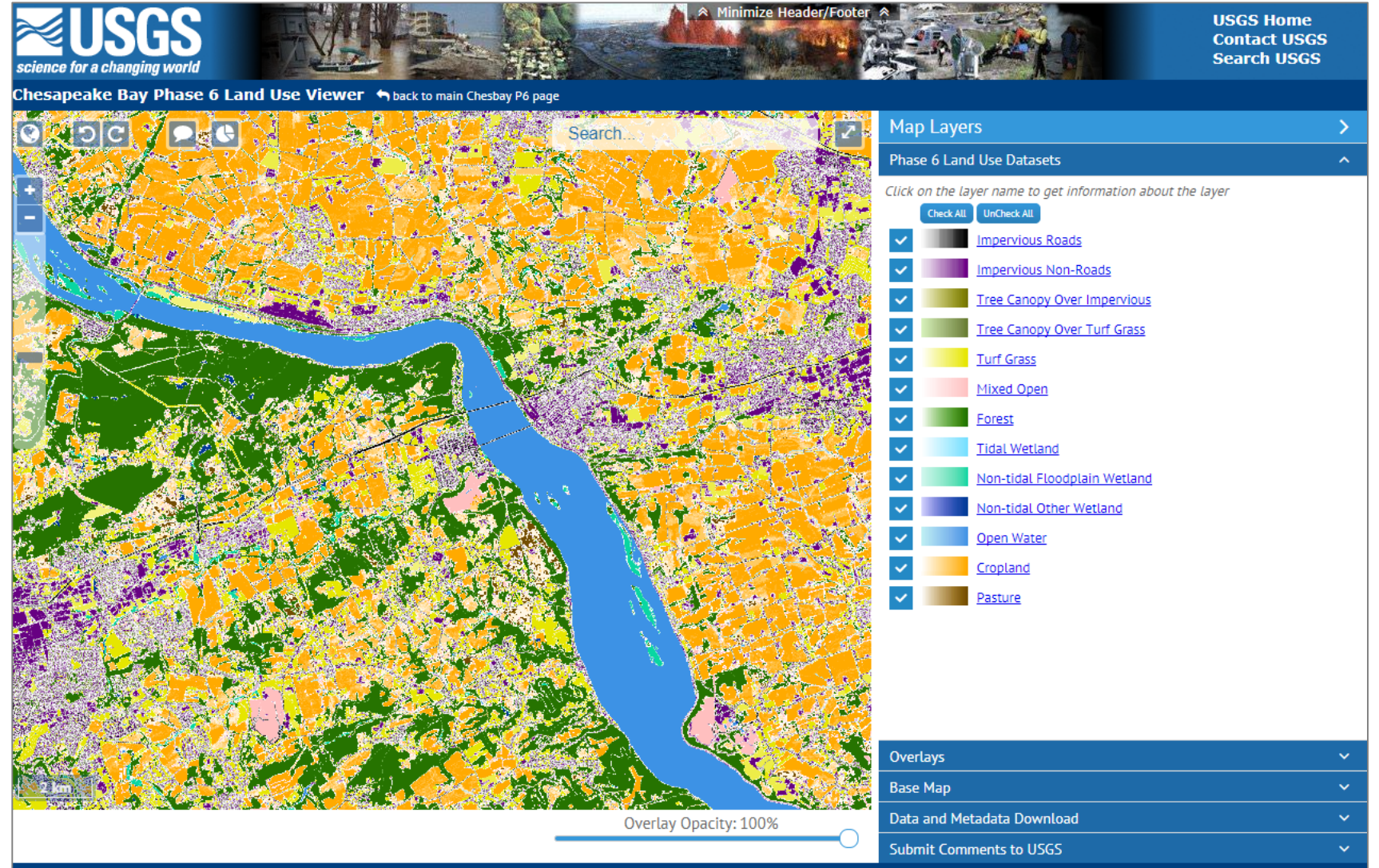
TP All Else Conowingo Dynamic Equilibrium

- > 50
- 45.1 - 50.0
- 40.1 - 45.0
- 35.1 - 40.0
- 30.1 - 35.0
- 25.1 - 30.0
- 20.1 - 25.0
- 15.1 - 20.0
- 10.1 - 15.0
- 5.1 - 10.0
- 0.0 - 5.0

Land Use Viewer

https://chesapeake.usgs.gov/phase6/map/

Guidelines for Allocations

2010 TMDL

- Allocated N and P loads must result in attainment of water quality standards

- Areas that contribute the most to the problem must do the most to resolve the problem.

- All tracked and reported reductions in nutrient loads are credited toward achieving final assigned loads.

Borrowed from Gary Shenk – 9/25/17

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All Products are preliminary and DRAFT!!!!!