

# CBPA Comprehensive Planning Requirements

HRPDC REGIONAL ENVIRONMENTAL COMMITTEE

JUNE 4, 2020



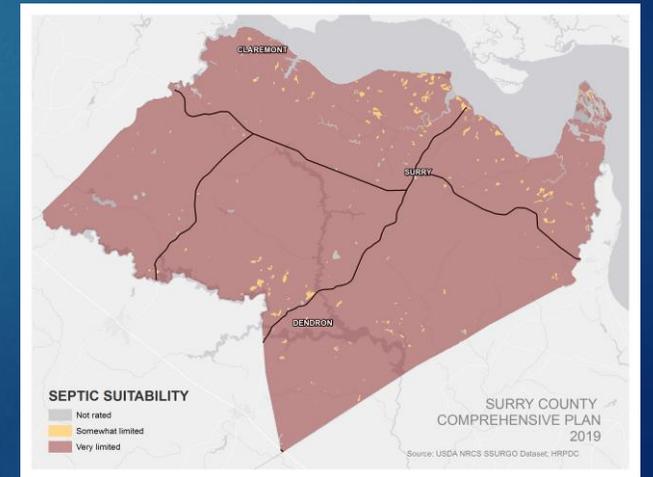
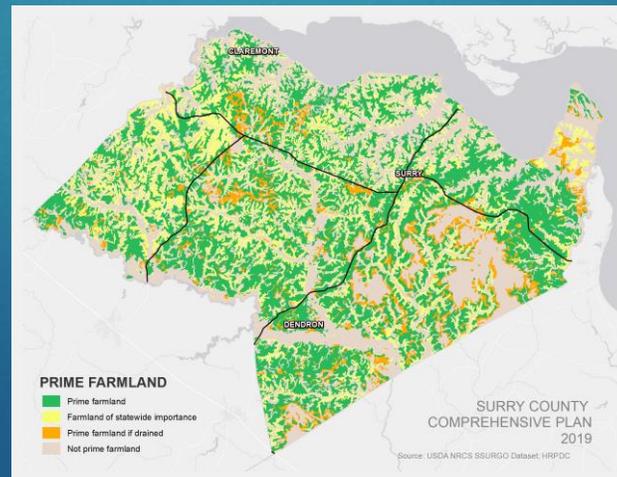
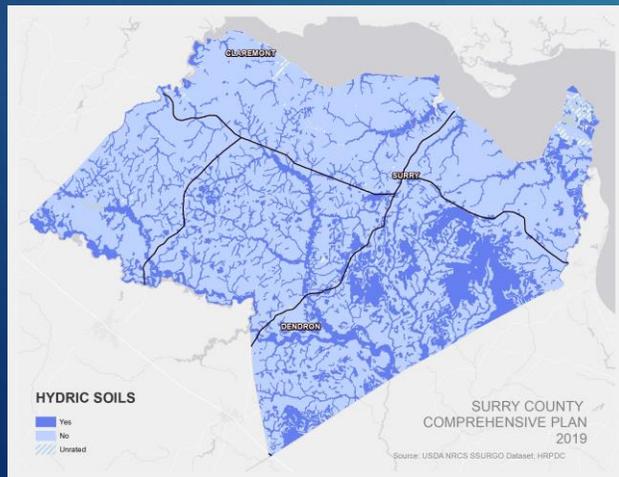
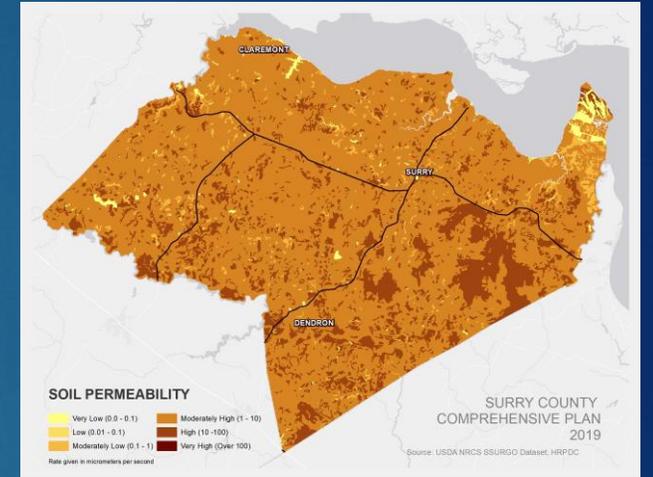
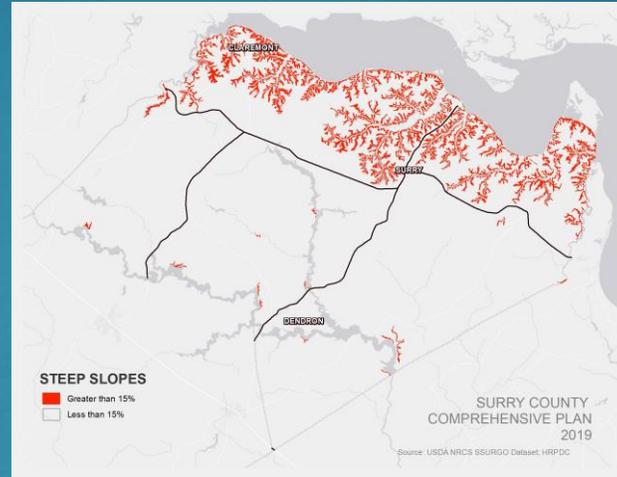
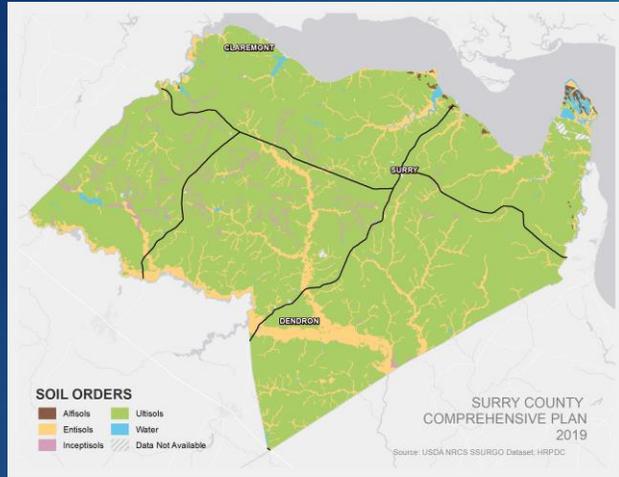
# 9VAC25-830-170: Comprehensive Plans

- ▶ Local governments shall revise comprehensive plans to comply with CBPA and include basic elements:
  - ▶ Summary of data; analysis and policy; land use plan; implementing measures
- ▶ **Subdivision 1**: Maintain an information base from which to make policy decisions about future land use that will protect the quality of state waters
- ▶ **Subdivision 2**: Indicate local policy on land use issues relative to water quality protection

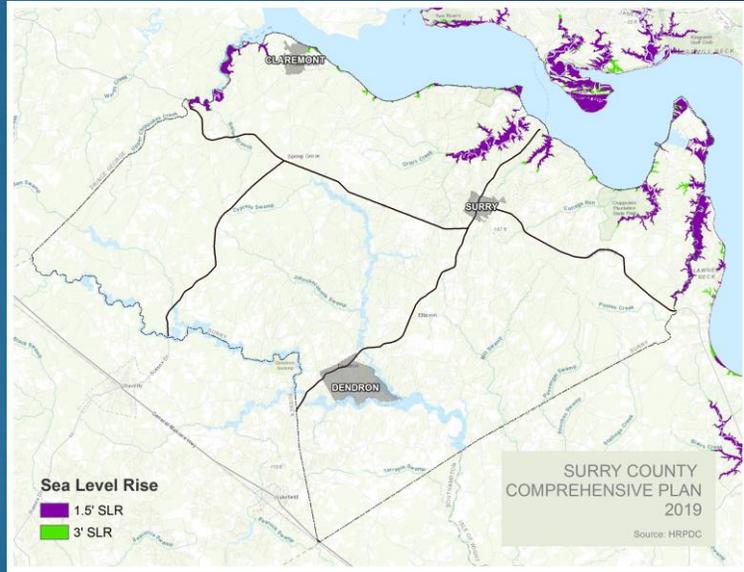
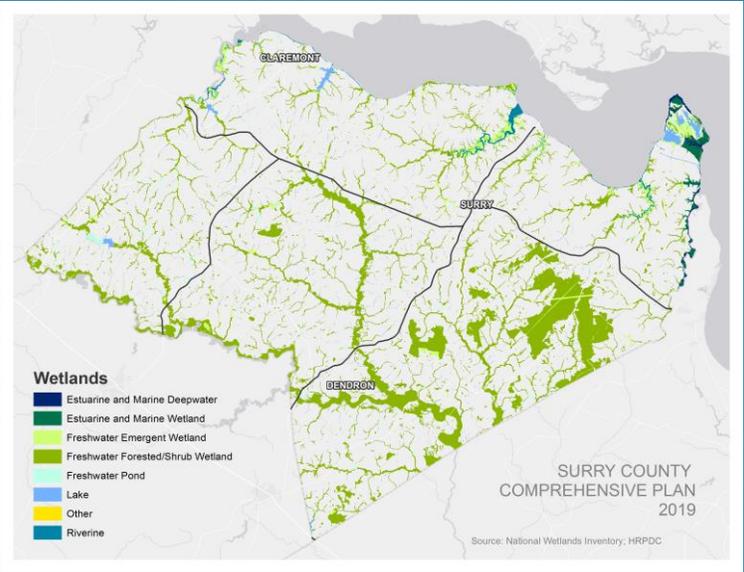
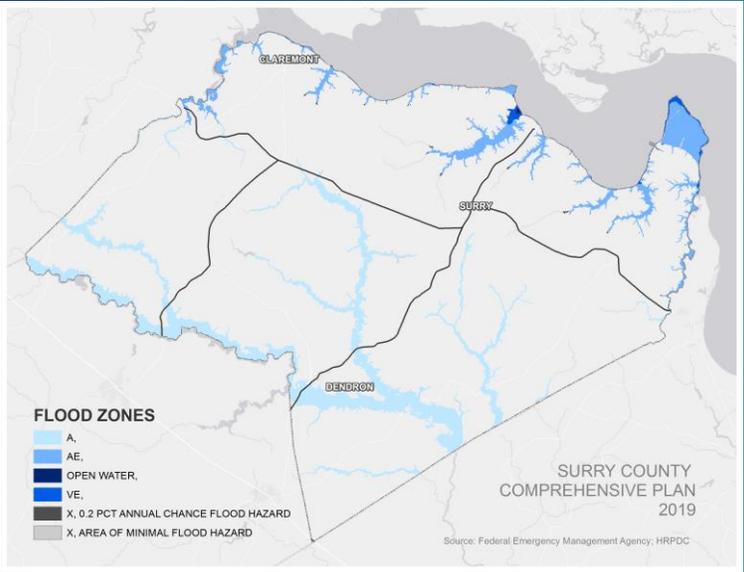
# Information Base

- ▶ Physical constraints to development
- ▶ Information about commercial and recreational fisheries
- ▶ Shoreline and streambank erosion
- ▶ Existing and potential water pollution sources
- ▶ Public and private waterfront access areas
- ▶ The location of Chesapeake Bay Preservation Areas
- ▶ Existing and proposed land uses
- ▶ Lots of Maps!

# Physical Constraints to Development: Soils



# Physical Constraints to Development: Other



# Physical Constraints to Development: Data Sources

- ▶ Soils: USDA Natural Resources Conservation Service (NRCS) Soil Survey Geographic Database (SSURGO)
  - ▶ Very complex dataset in user friendly form on HRGEO
- ▶ Flood Zones: FEMA Flood Insurance Rate Maps
- ▶ Wetlands: National Wetlands Inventory
- ▶ Sea Level Rise: HRPDC
  - ▶ [Policy guidance](#)
- ▶ **HRGEO**: datasets available at [hrgeo.org](http://hrgeo.org)
  - ▶ Learn [more](#) about HRGEO

# Fisheries

- ▶ Surprisingly little comprehensive “official” information
- ▶ VDGIF Rivers and Streams
- ▶ VMRC Commercial Landings (by request only)
- ▶ VIMS – Economic Contributions of Virginia’s Commercial Seafood and Recreational Fishing Industries
  - ▶ Dated (2005) study

# Shorelines



## Center for Coastal Resources Management

### CCRM

#### About CCRM

#### Comprehensive Coastal Resource Management Portals

- Locality Portals
- Shoreline Best Management Practices
- Comprehensive Plan Guidance

Home > CCRM > Comprehensive Coastal Resource Management Portals

## Comprehensive Coastal Resource Management Portals (CCRMPs)

### RELATED LINKS

[VIMS Living Shorelines](#)

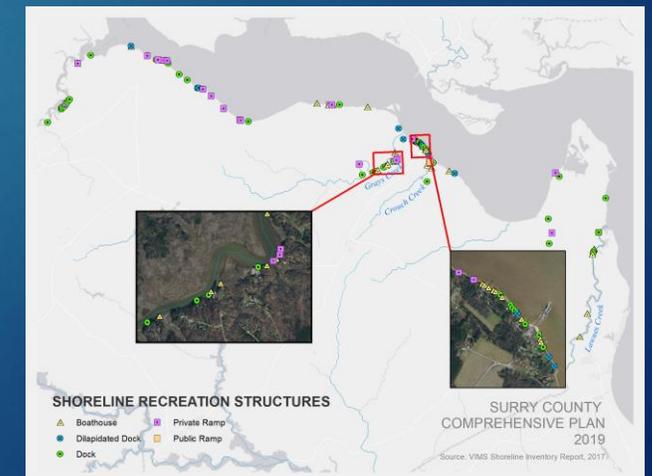
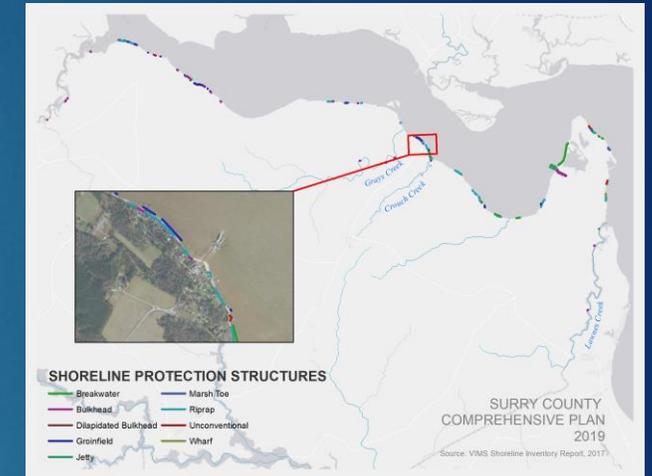
[Shoreline & Tidal Marsh Inventory](#)

[Adapt Virginia](#)

[NOAA Living Shorelines](#)

# Shorelines: Comprehensive Coastal Resource Management Portals

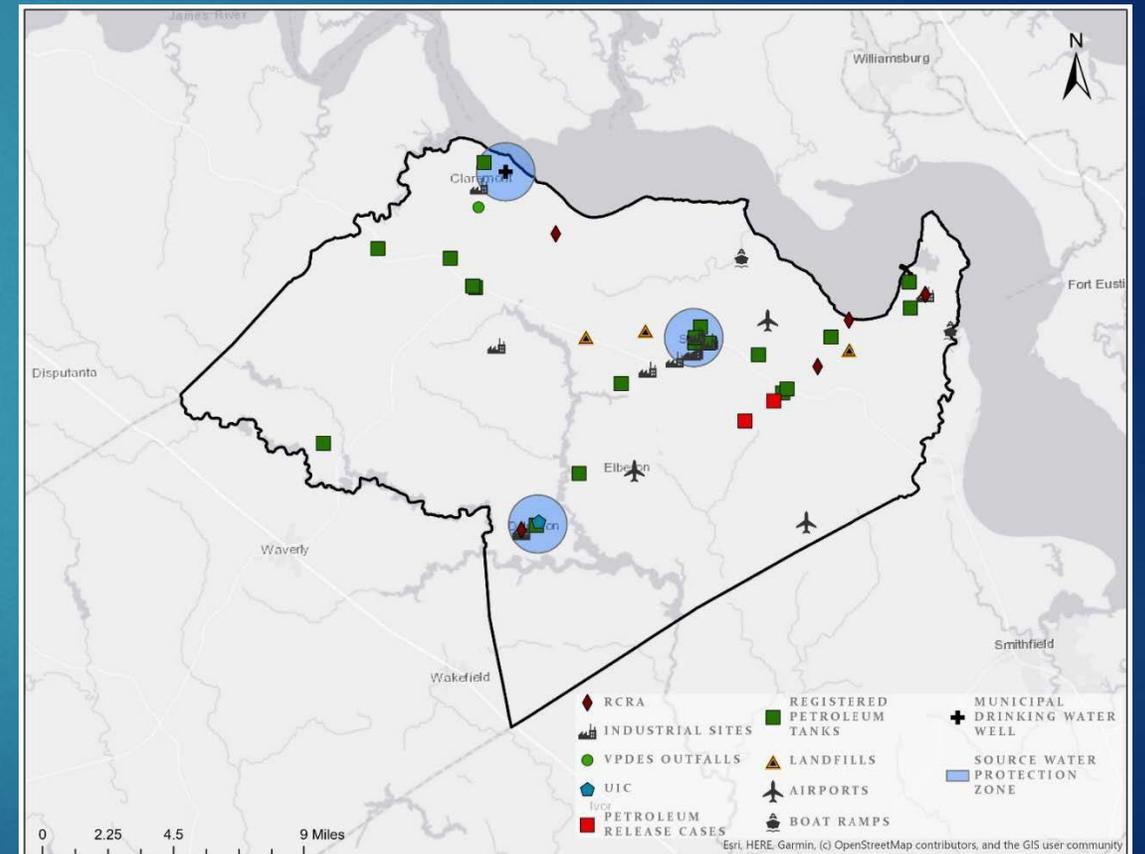
- ▶ Shoreline and tidal marsh inventory reports
- ▶ GIS data
- ▶ Comprehensive plan policy [guidance](#)
  - ▶ [15.2-2223.2](#) of the Code of Virginia requires Tidewater localities to include coastal resource management guidance in comprehensive plans
- ▶ [Regional Strategic Plan for Public Access to Waterways](#)
  - ▶ [fishswimplay.com](#)



# Water Quality: Point Source Pollution

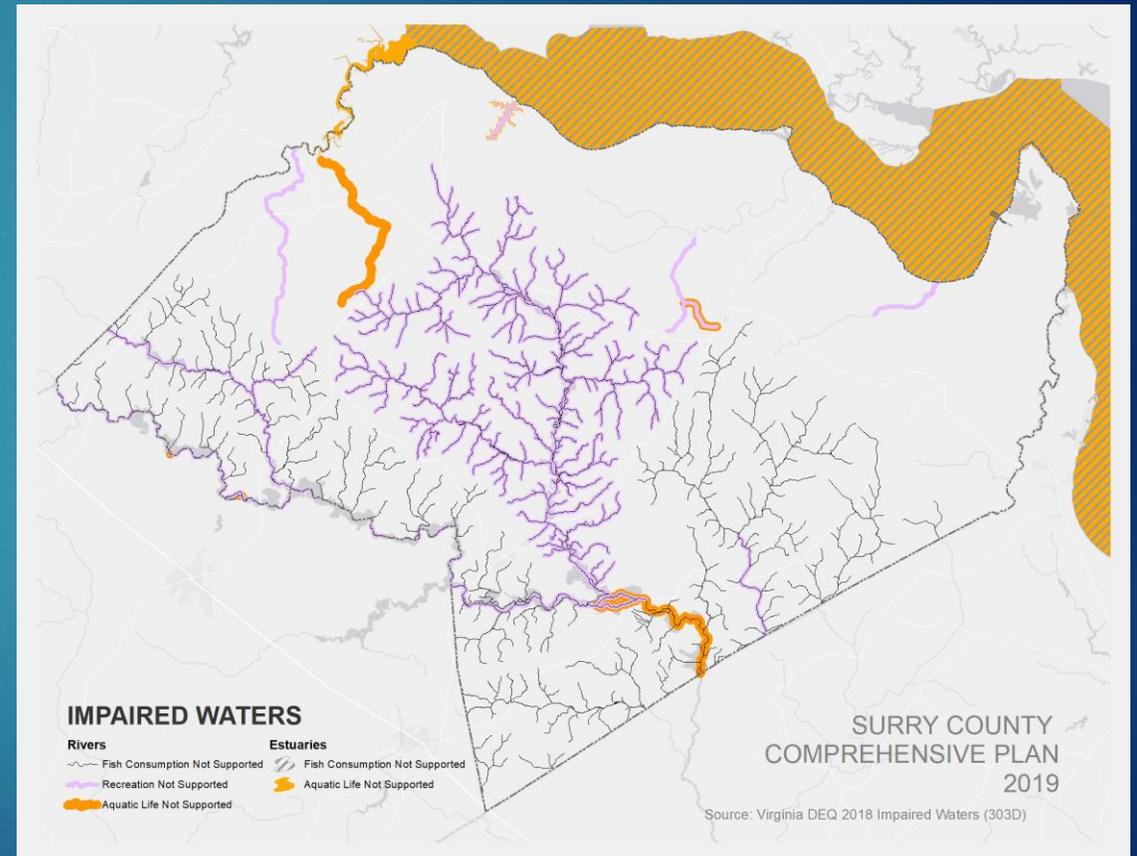
- ▶ Address potential sources of contamination
  - ▶ VPDES discharges; storage tanks; RCRA sites; landfills; airports; boat ramps; injection wells; industrial sites
- ▶ Data:
  - ▶ [VEGIS](#): “What’s in My Backyard?” app; GIS datasets
  - ▶ EPA [Envirofacts](#)

Potential Sources of Contamination



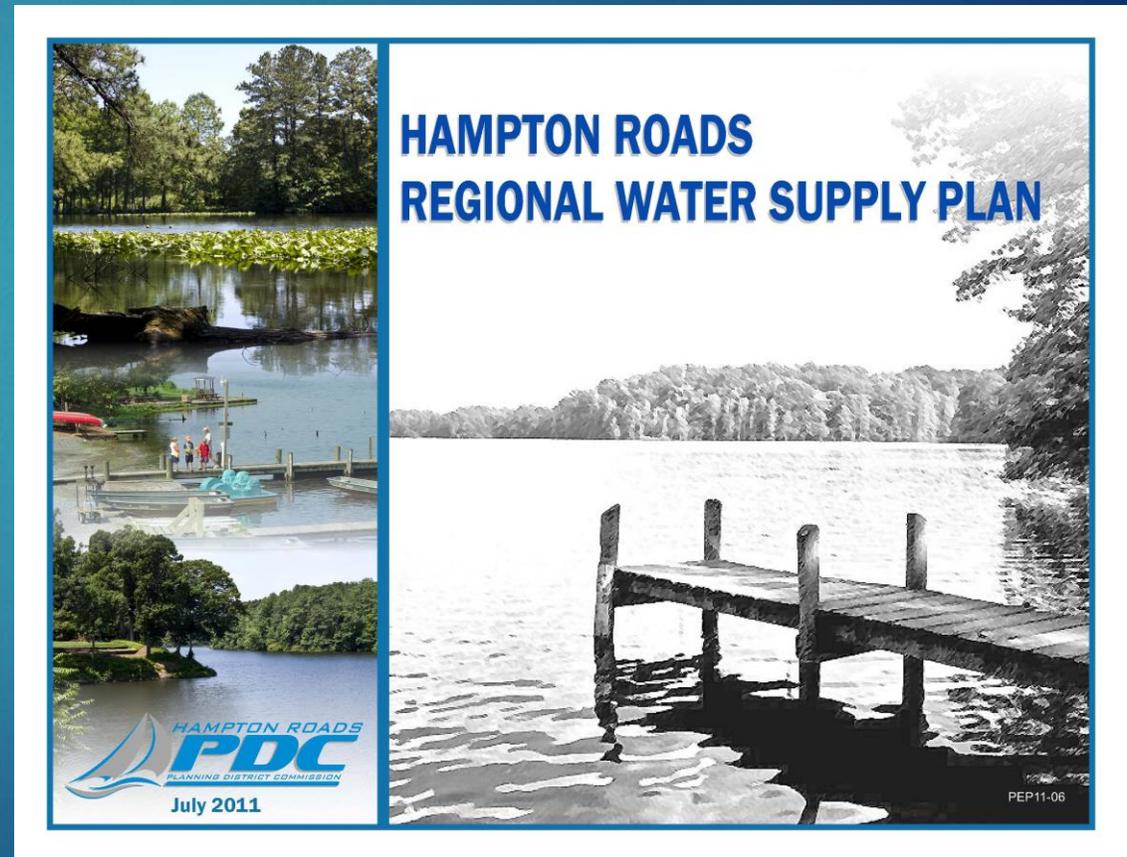
# Water Quality: Non-Point Source Pollution

- ▶ DCR Non-Point Source Pollution Assessment and Prioritization
  - ▶ NPS Chapter of the Water Quality Assessment Report
- ▶ DEQ Water Quality Assessment Integrated Report
  - ▶ Impaired waters
  - ▶ VEGIS
- ▶ TMDL development and implementation



# Protection of Potable Water Supply

- ▶ Hampton Roads Regional Water Supply Plan
  - ▶ Groundwater framework
  - ▶ Water Supply and Use
  - ▶ Groundwater management
- ▶ VAHydro



# Plan Organization

## ▶ Natural Resources

### ▶ Soils

- ▶ Soil Types; Slopes; Permeable Soils; Hydric Soils

### ▶ Resource Conservation

- ▶ Agricultural Resources; Ecological Resources; Forest Resources

### ▶ Coastal Resources Management

- ▶ Shorelines; Wetlands; CBPA; Floodplains; Sea Level Rise; Fisheries

### ▶ Water Quality

- ▶ Point Source Pollution; Non-Point Source Pollution; TMDLs

## ▶ Water Resources

### ▶ Groundwater Framework

- ▶ Aquifers

### ▶ Water Supply

- ▶ Demand
- ▶ Groundwater Management
- ▶ Alternate Water Sources

# Takeaways

- ▶ Contact DEQ Local Government Assistance Liaison early in the planning process
  - ▶ Ask for comprehensive planning requirement checklist
- ▶ Use maps to convey information
  - ▶ Use maps as a basis for discussion and analysis
- ▶ Break the project into manageable components and be thorough
- ▶ You don't need to reinvent the wheel
  - ▶ Review other local plans
- ▶ Contact HRPDC subject matter experts:
  - ▶ Whitney Katchmark, Sara Kidd, Dr. KC Filippino, Ben McFarlane, Matt Smith