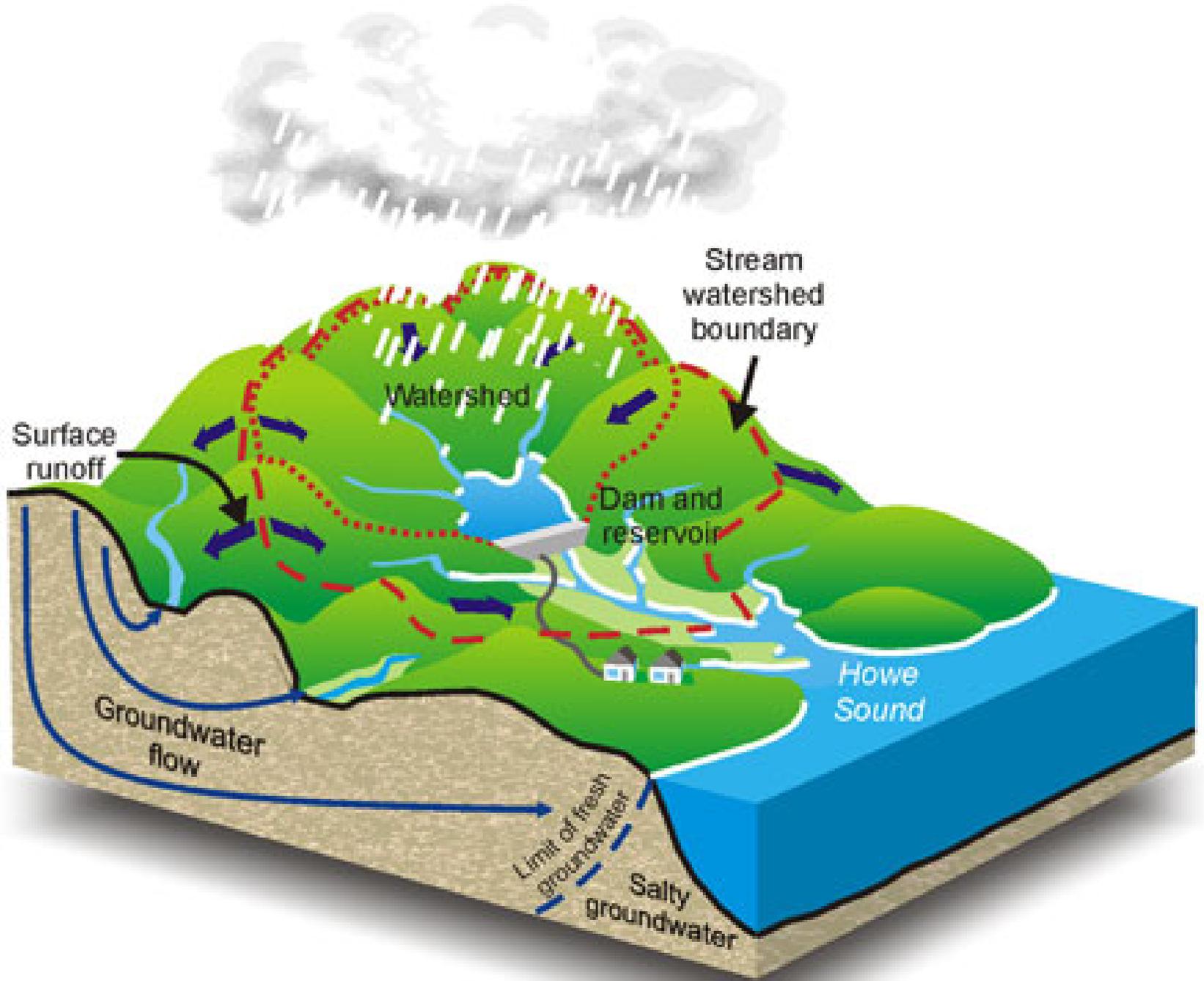


# Restoring Wetlands in a Watershed Context



Amy Deller Jacobs

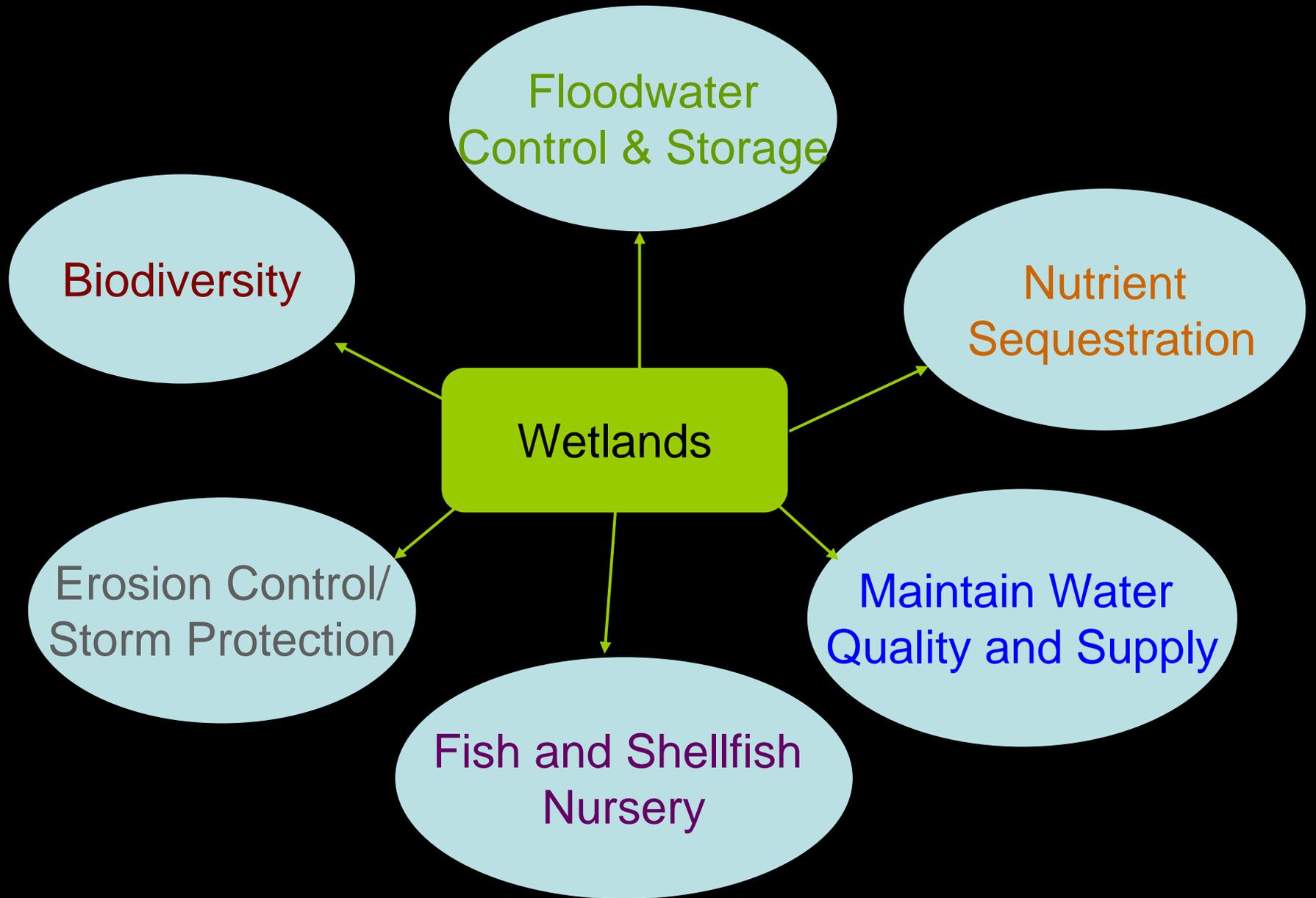
Delaware Department of Natural Resources and Environmental Control



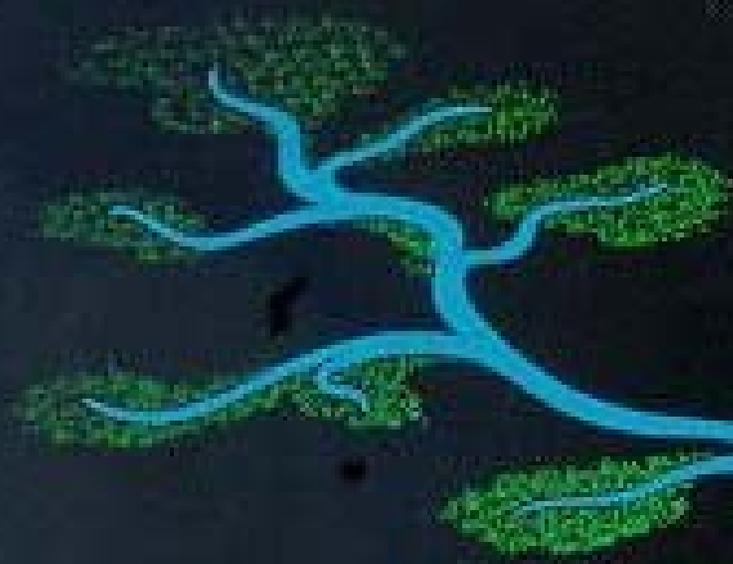


Natural Habitats

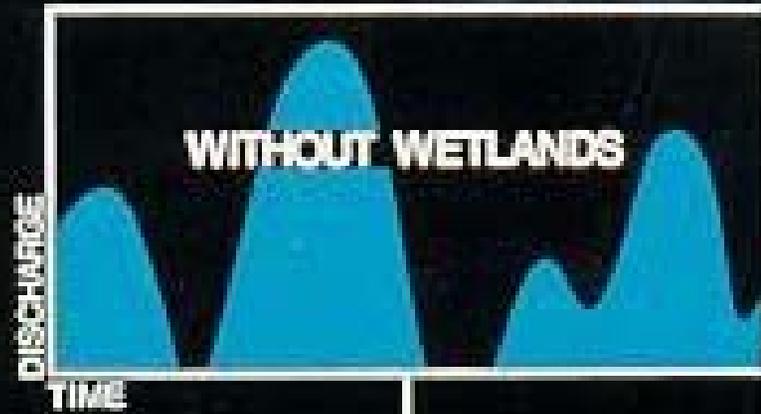








Diminished Peaks

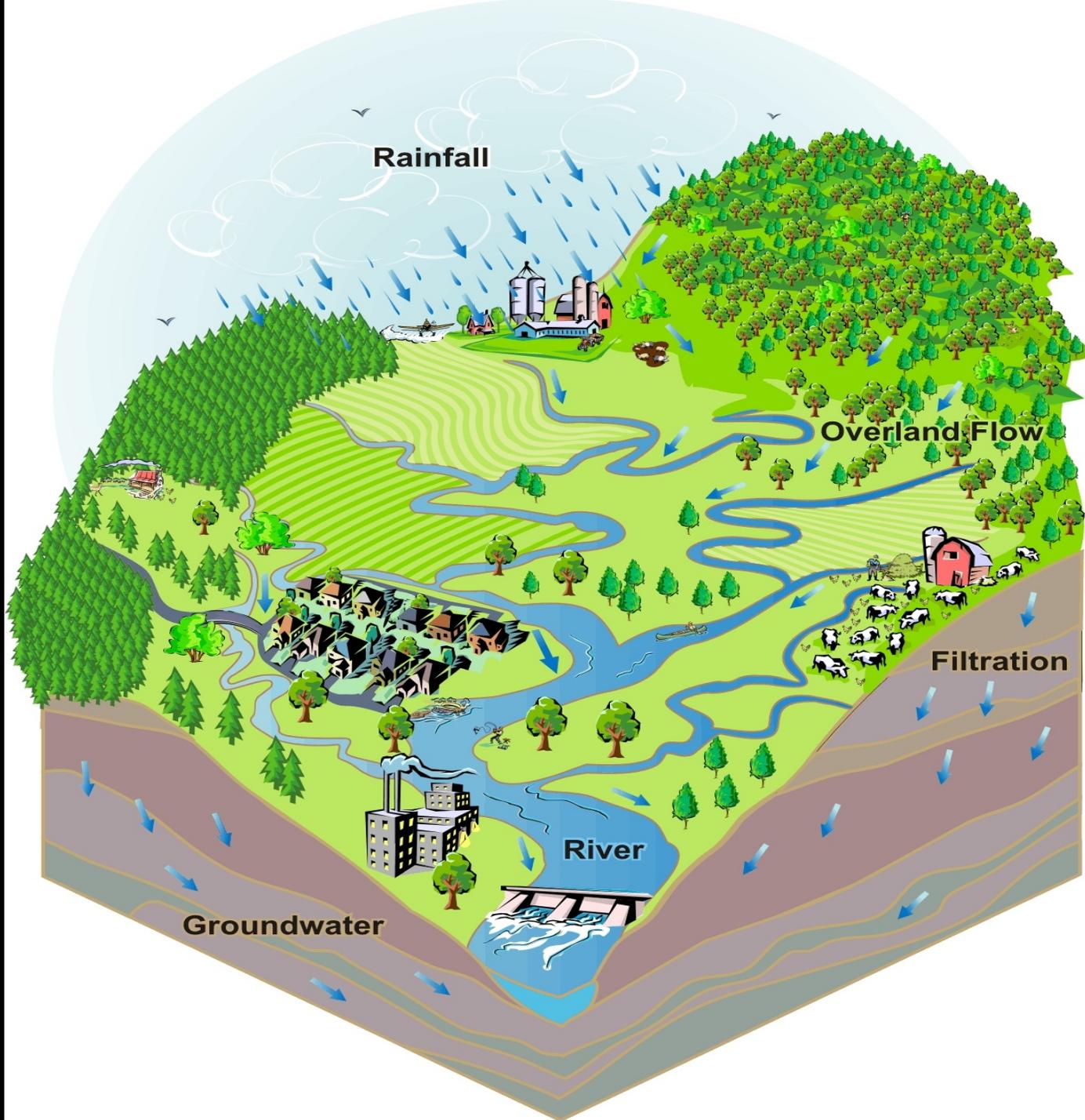


Exaggerated Peaks

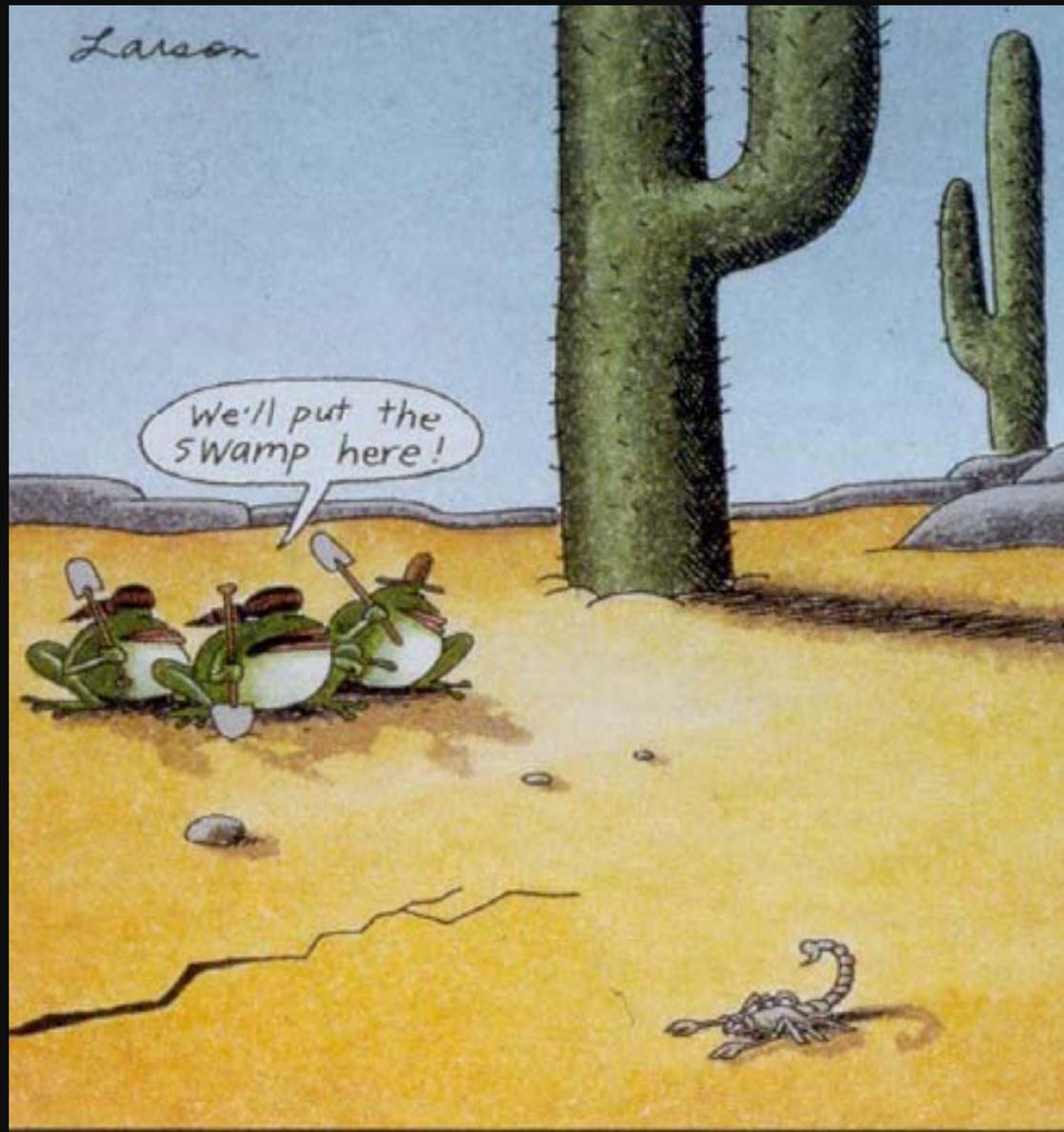
# Hydrologic Buffering







Larson



Frog pioneers

# Nanticoke Watershed Restoration Plan

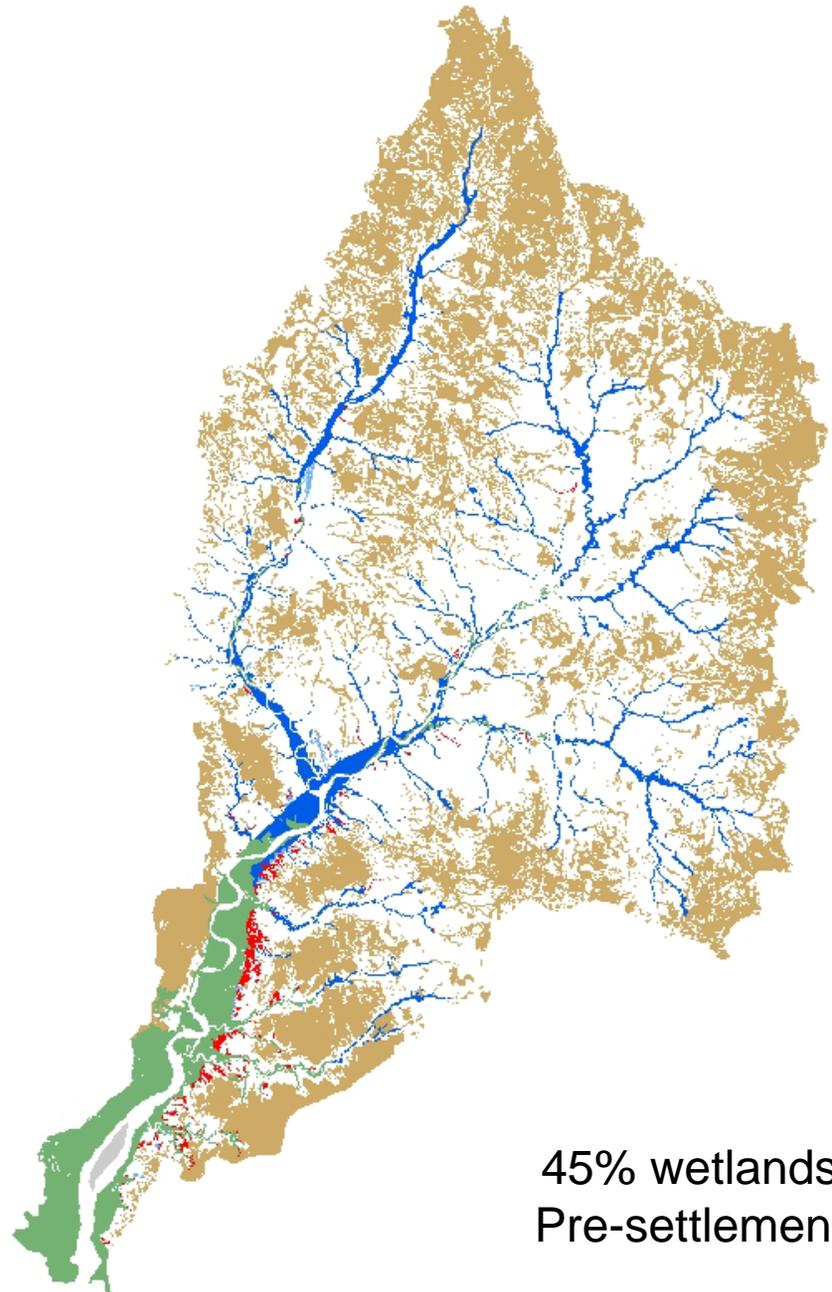
## Nanticoke River Watershed Restoration Plan



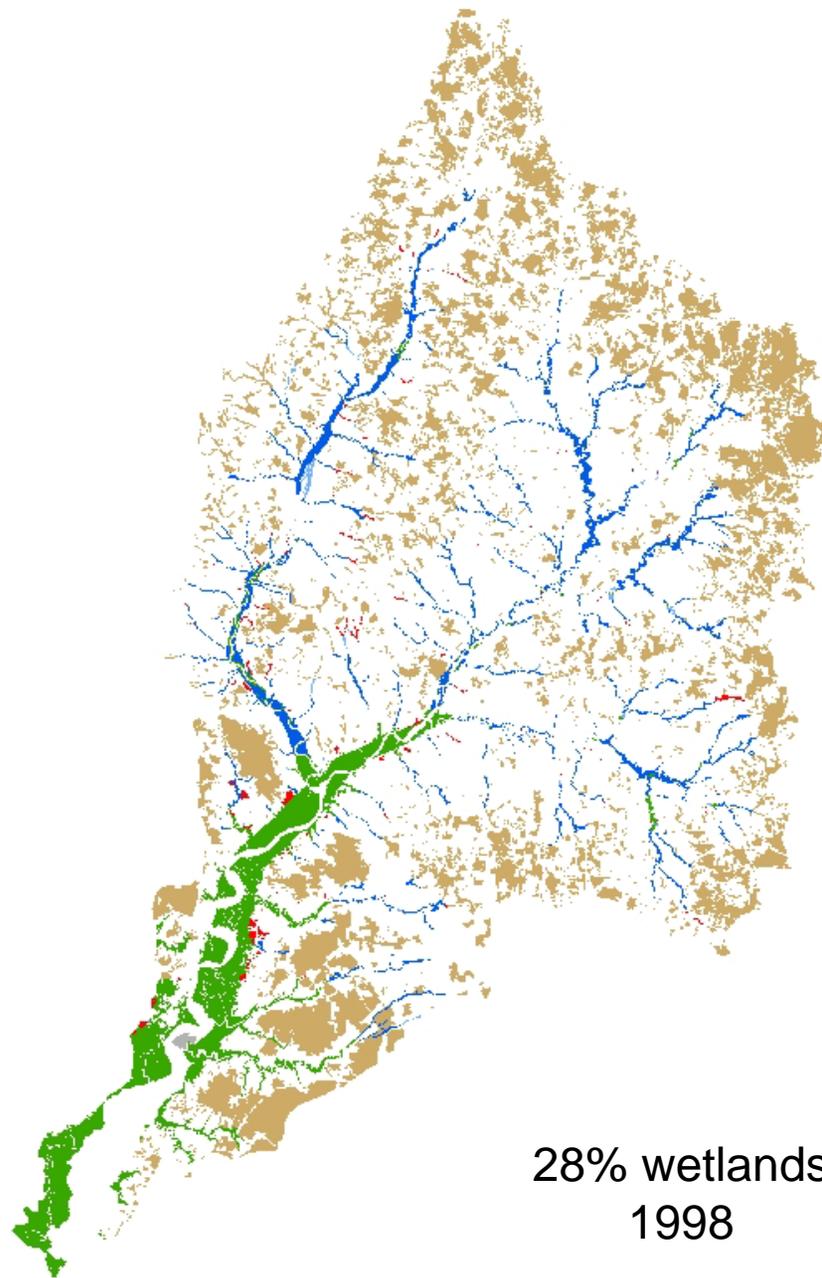
Developed by:  
**The Nanticoke Restoration Work Group**

**May 19, 2009**



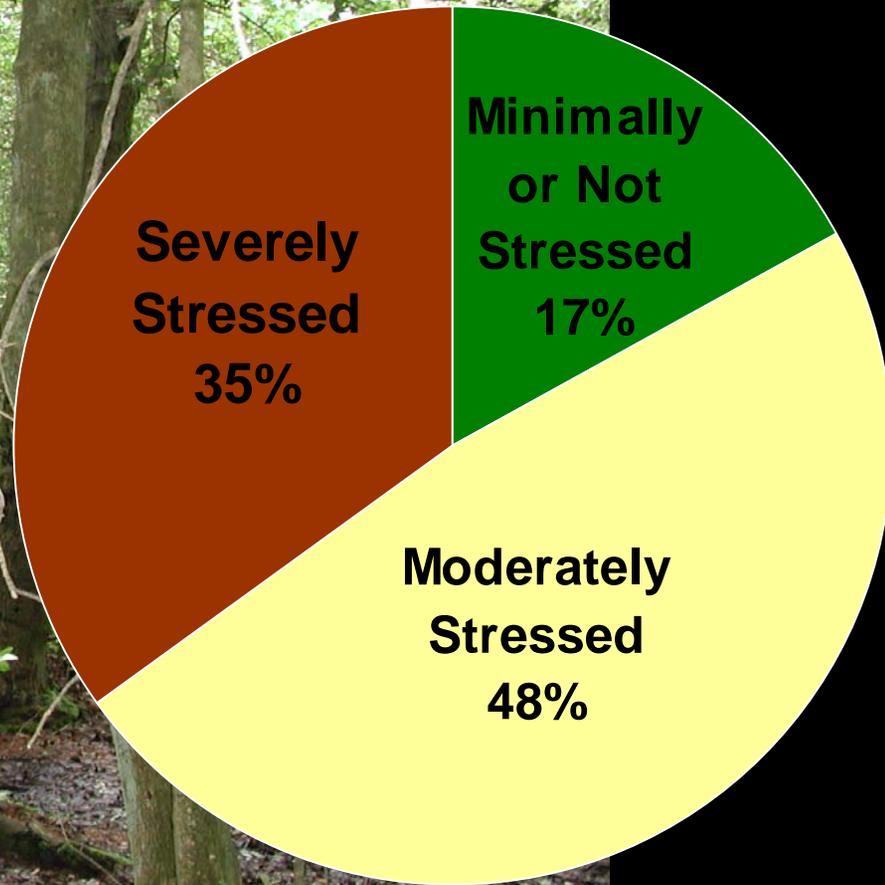
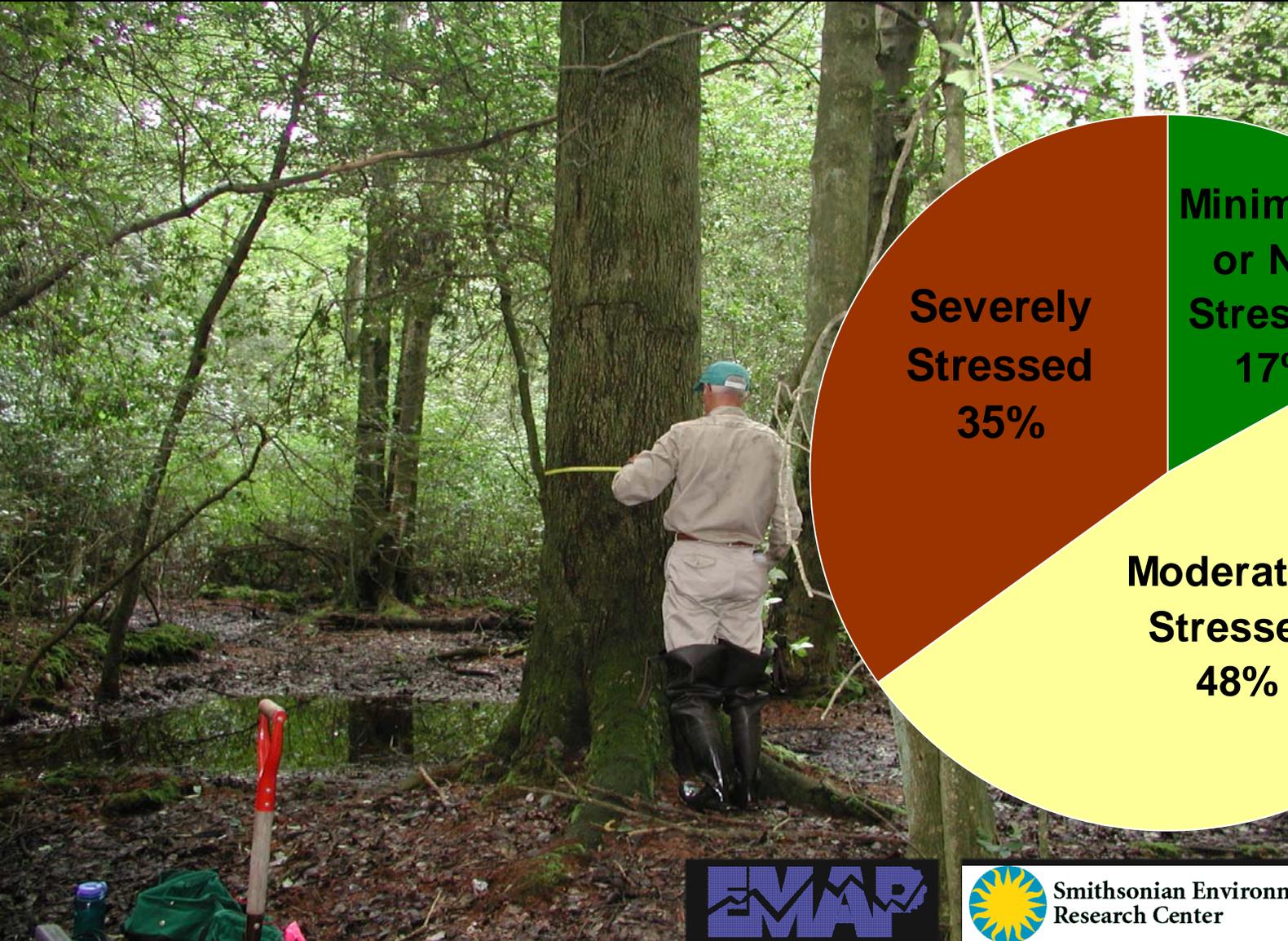


45% wetlands  
Pre-settlement



28% wetlands  
1998

# Condition of Nontidal Wetlands in the Nanticoke River Watershed





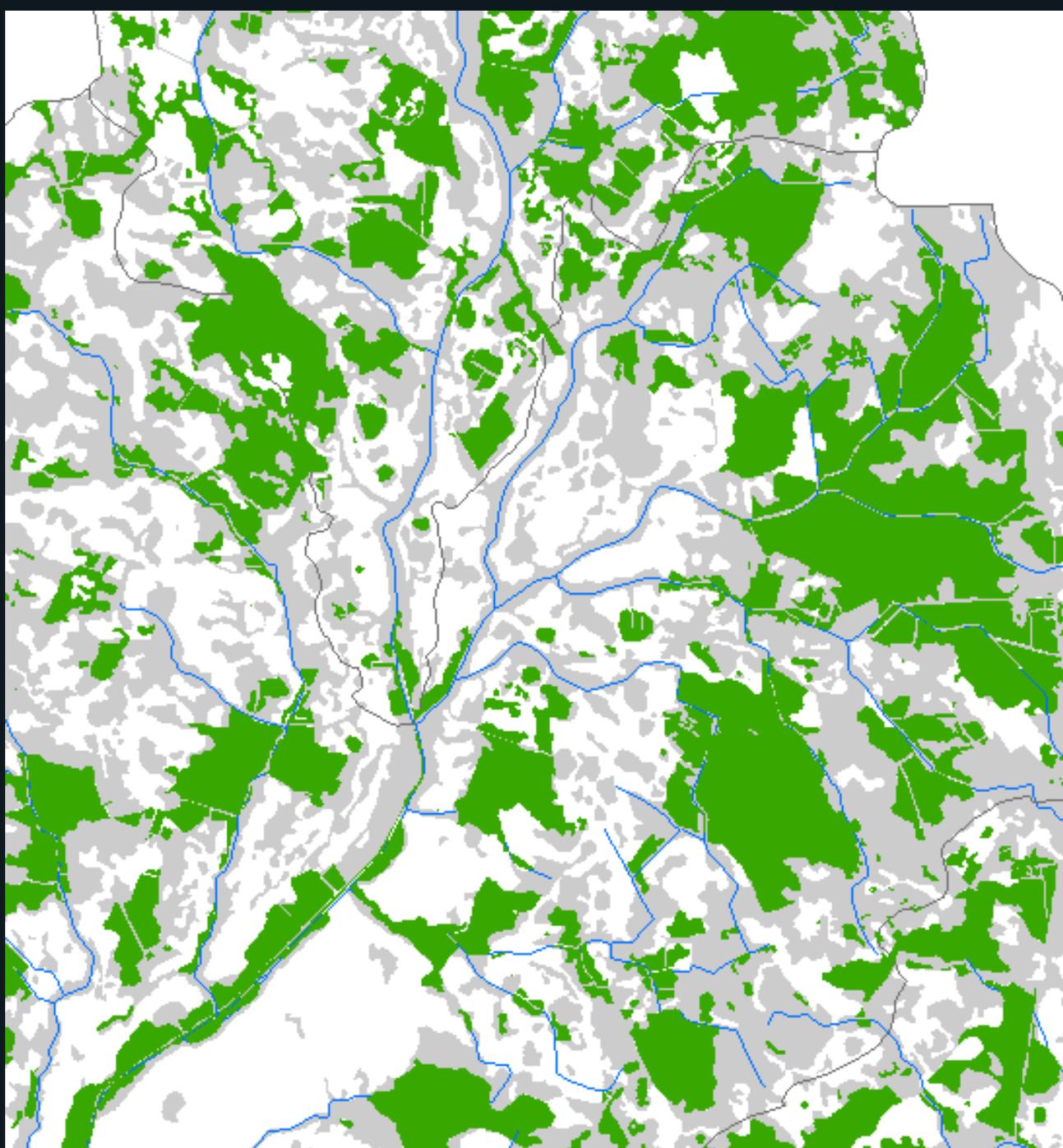
80% of natural streams have been channelized

57% had filling



75% of flats had forestry activity within 50 years

27% converted to pine plantation



# Nanticoke Process

1. Identified stakeholders
2. Established goal of plan
3. Identified conservation targets
4. Determined opportunity
5. Prioritized areas for each conservation target
6. Landowner outreach and implementation



# Stakeholders



30 people

Representing 17 organizations

# Goal

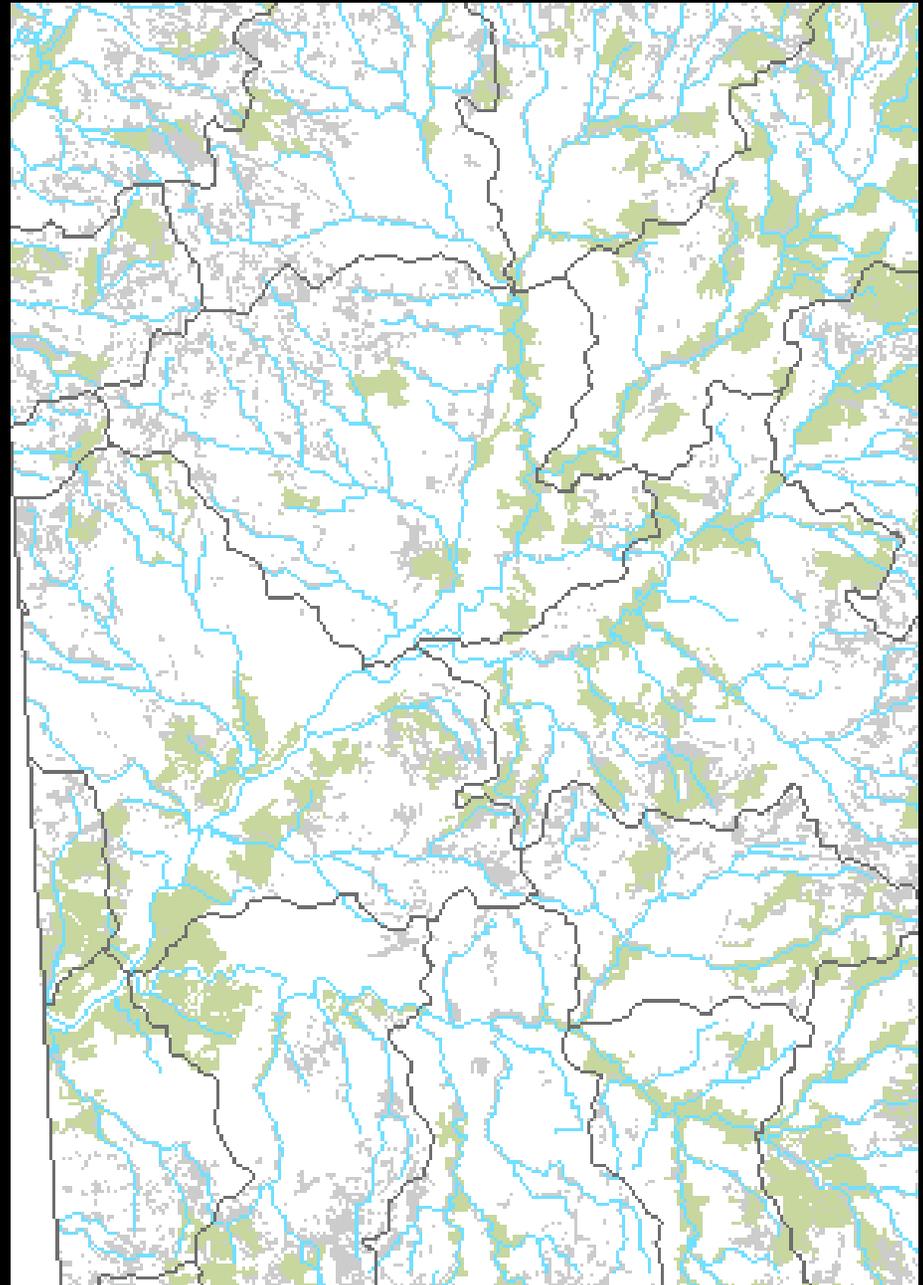
Focus restoration activities in the watershed to improve and maintain the ecological integrity of species and habitats and the functions and services that they provide

# Conservation Targets

- Enhance and Enlarge Headwater forests
- Restore channelized streams
- Establish riparian and tidal wetland buffers

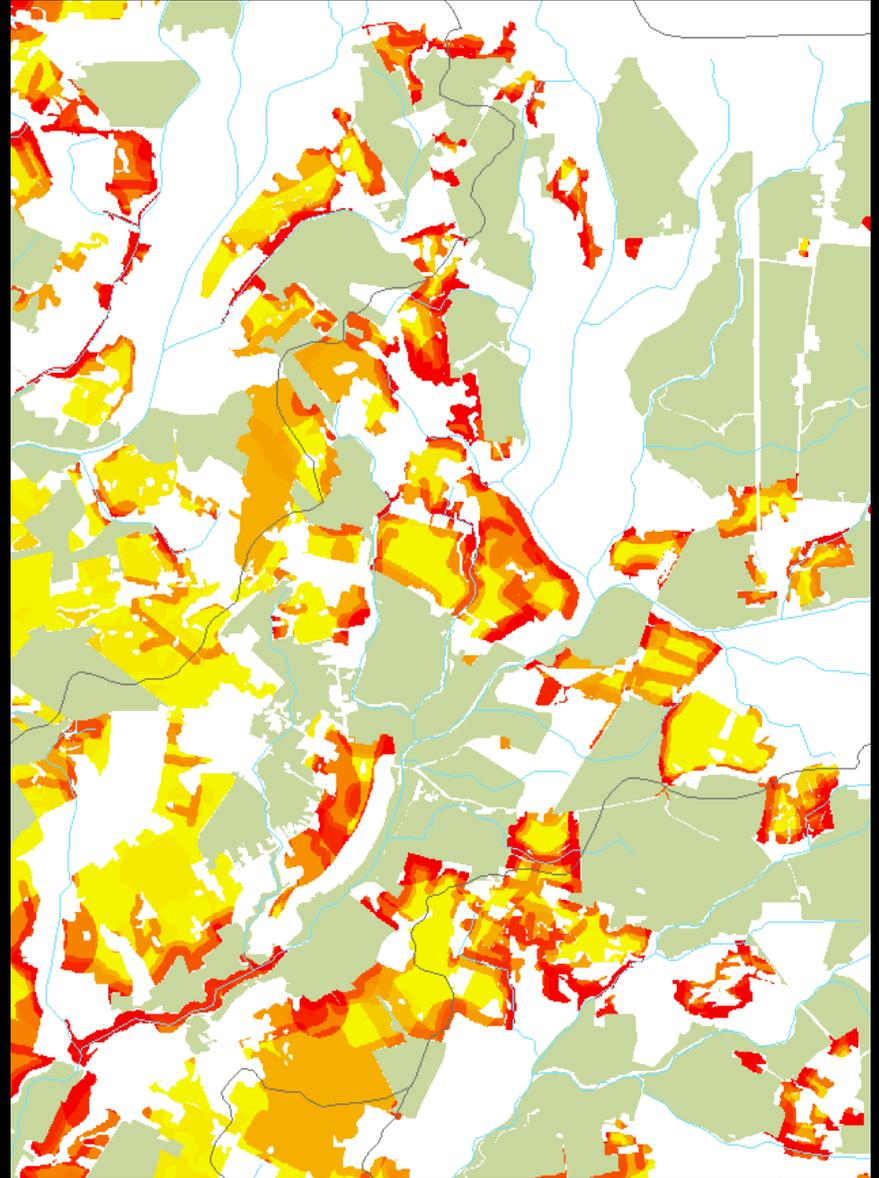
# Prioritizing

- Delaware Ecological Network
- Wildlife Action Plan
- Heritage Information
- Ground Water Sources
- Gap Analysis
- Soils
- Flood Zones
- Impaired Waters
- Wetland Condition

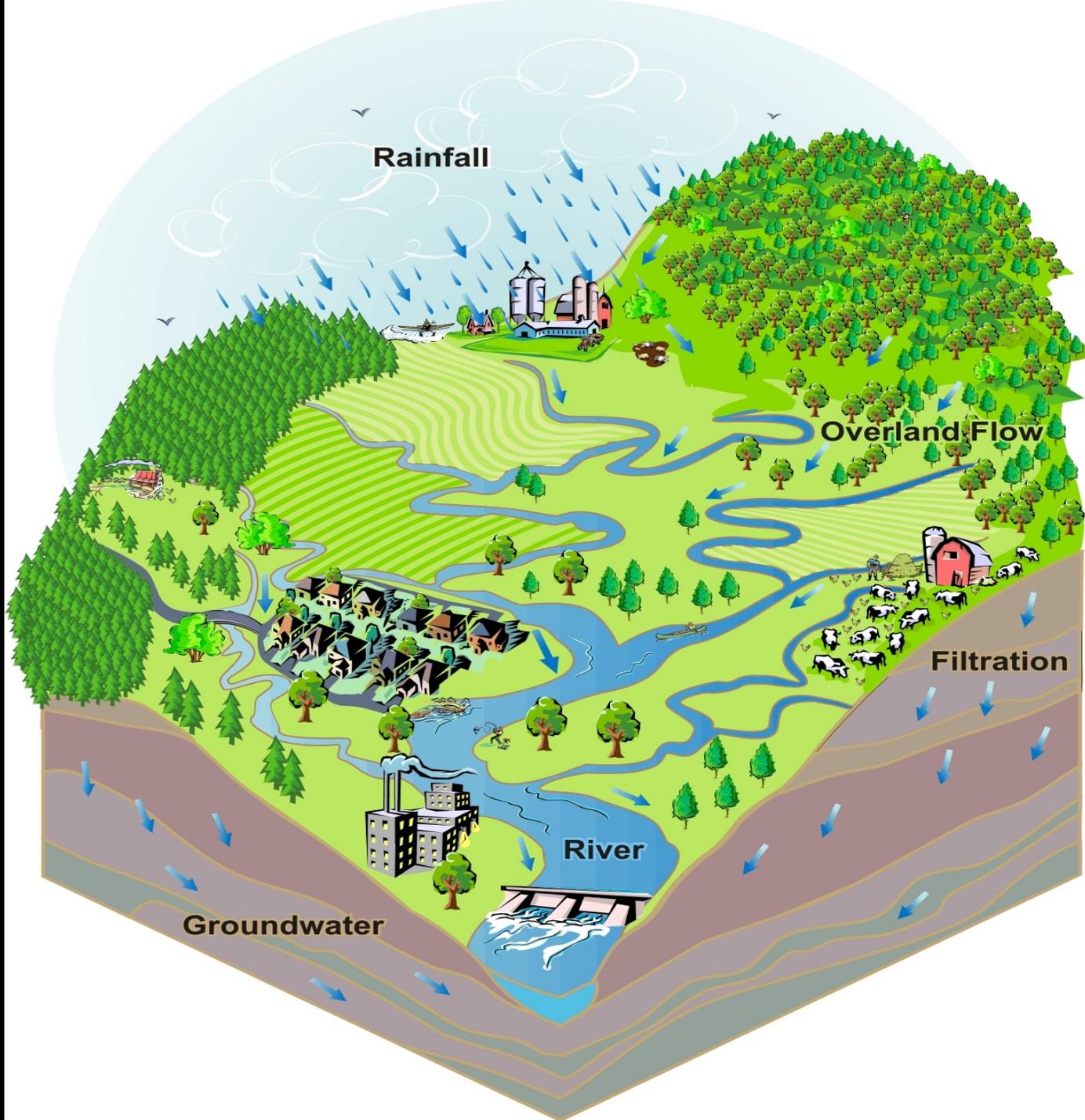


# Ranking by Program Goal

- Water Quality
- Wildlife Habitat









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Jack Conner  
Ken Dunne  
Deb Fillis  
Rob Gano  
Tim Garrihan  
Kate Hackett  
Laura Herr  
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by the Nanticoke Restoration Work Group  
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