

# Montgomery County Department of Environmental Protection

2016 Monitoring



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Montgomery County DEP



# Agenda

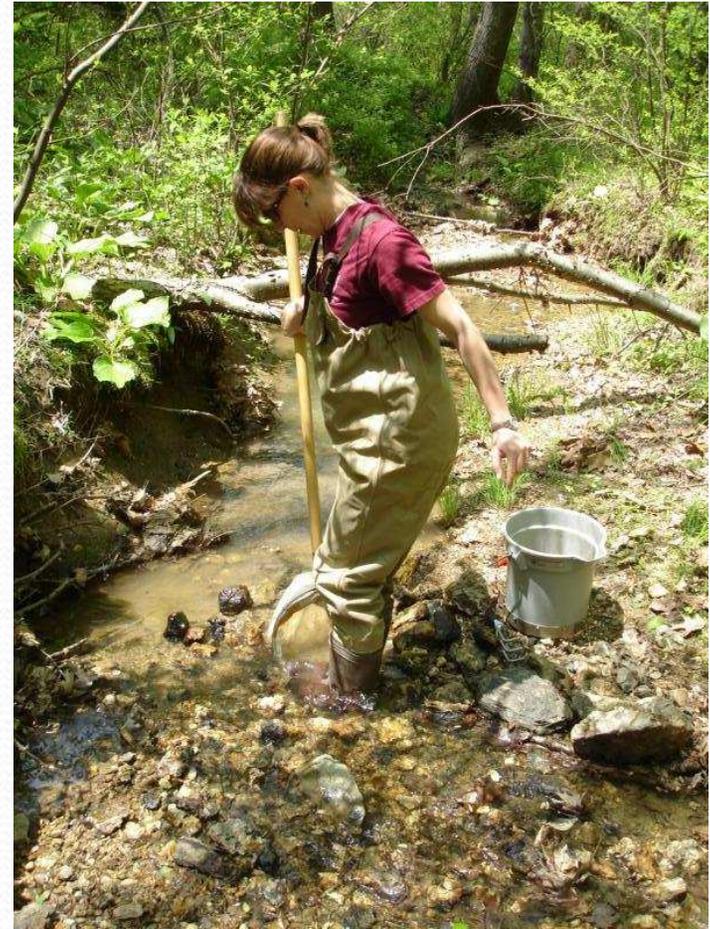
- What's Changed?
- DEP Monitoring
- Where we monitor
  - Baseline monitoring stations
  - Special Protection Area (SPA) monitoring
  - Special Projects/Quantitative Habitat



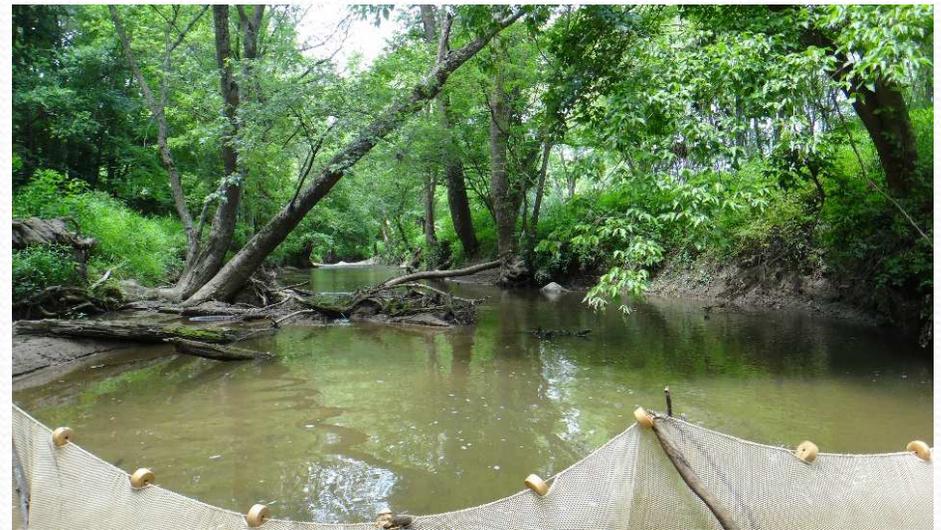
# What's New for 2016?

- New Senior Waterquality Specialist, Jenny St. John
- Added Ten Mile Creek Special Protection Area

# Benthic Macroinvertebrate Monitoring



# Fish Monitoring



# Completed at each Biological Monitoring Station

- Qualitative Habitat Assessments
- Herpetofauna Searches
- Incidental Invasive Plant Observations
- PhysChem (pH, DO, %Do & SpC)



# Temperature Monitoring

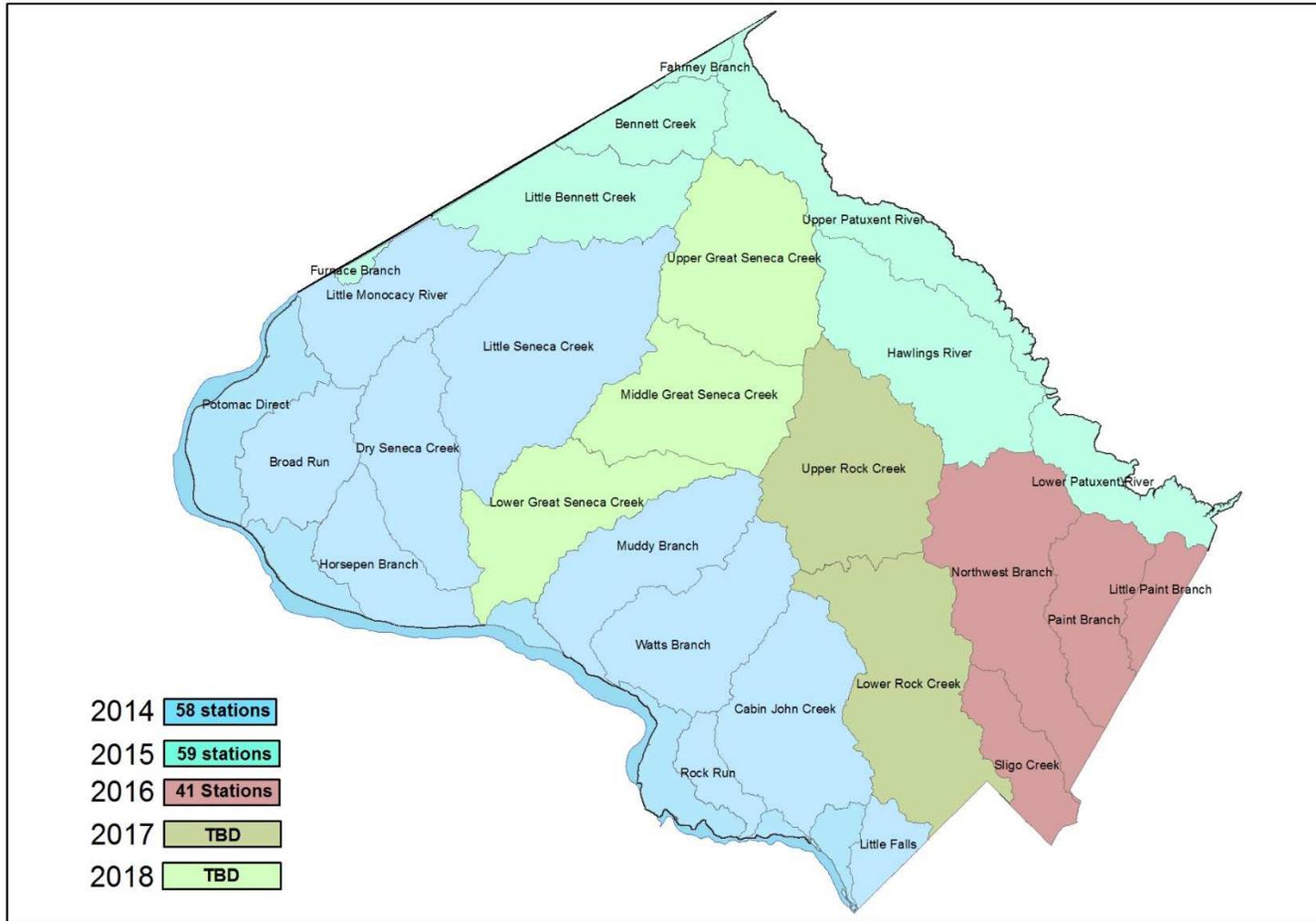
- All Special Protection Area Stations
- Select Baseline and Special Project Stations



# Quantitative Habitat Surveys



## Montgomery County Provisional 2014-2018 Monitoring Schedule



2014	58 stations
2015	59 stations
2016	41 Stations
2017	TBD
2018	TBD

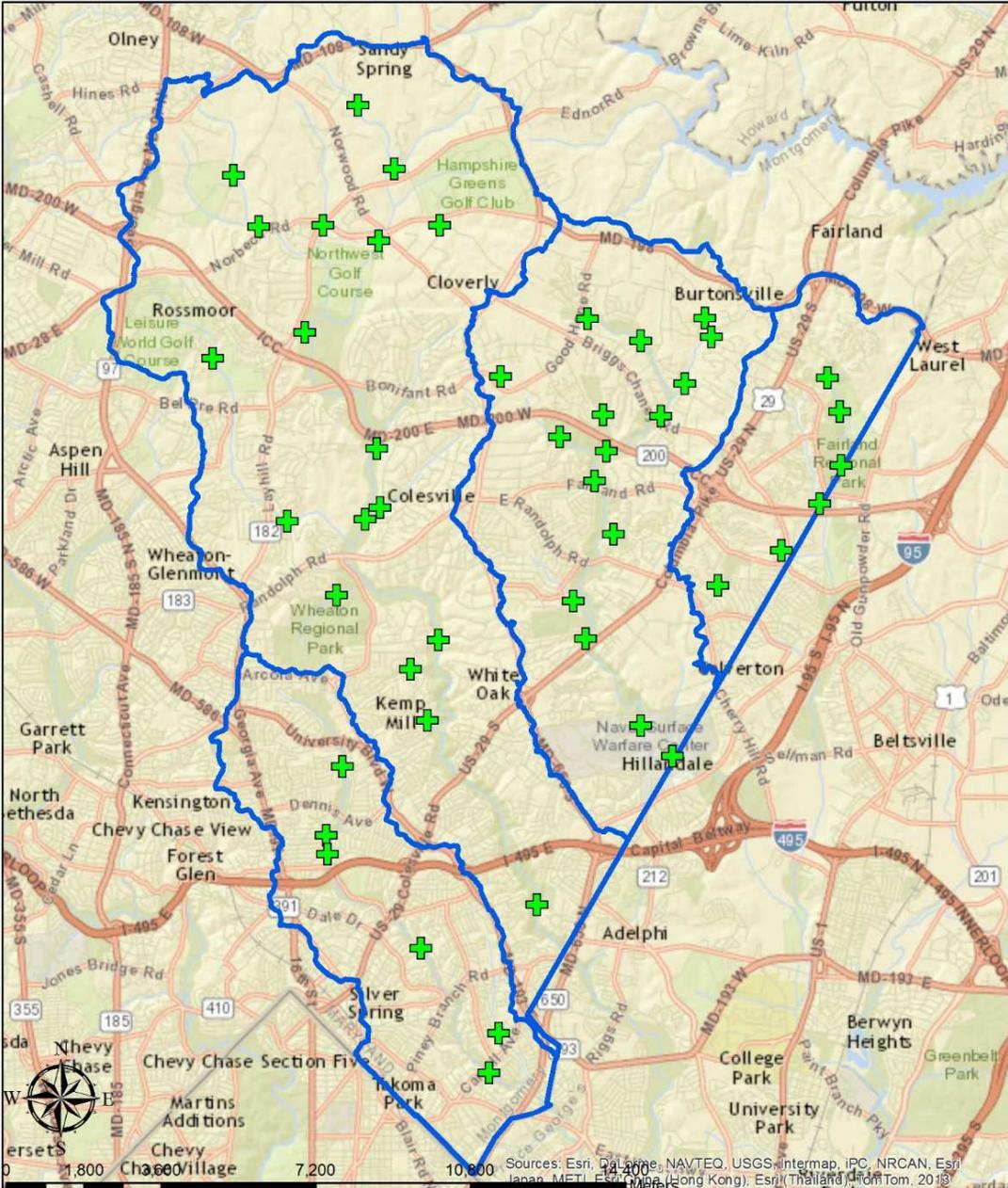




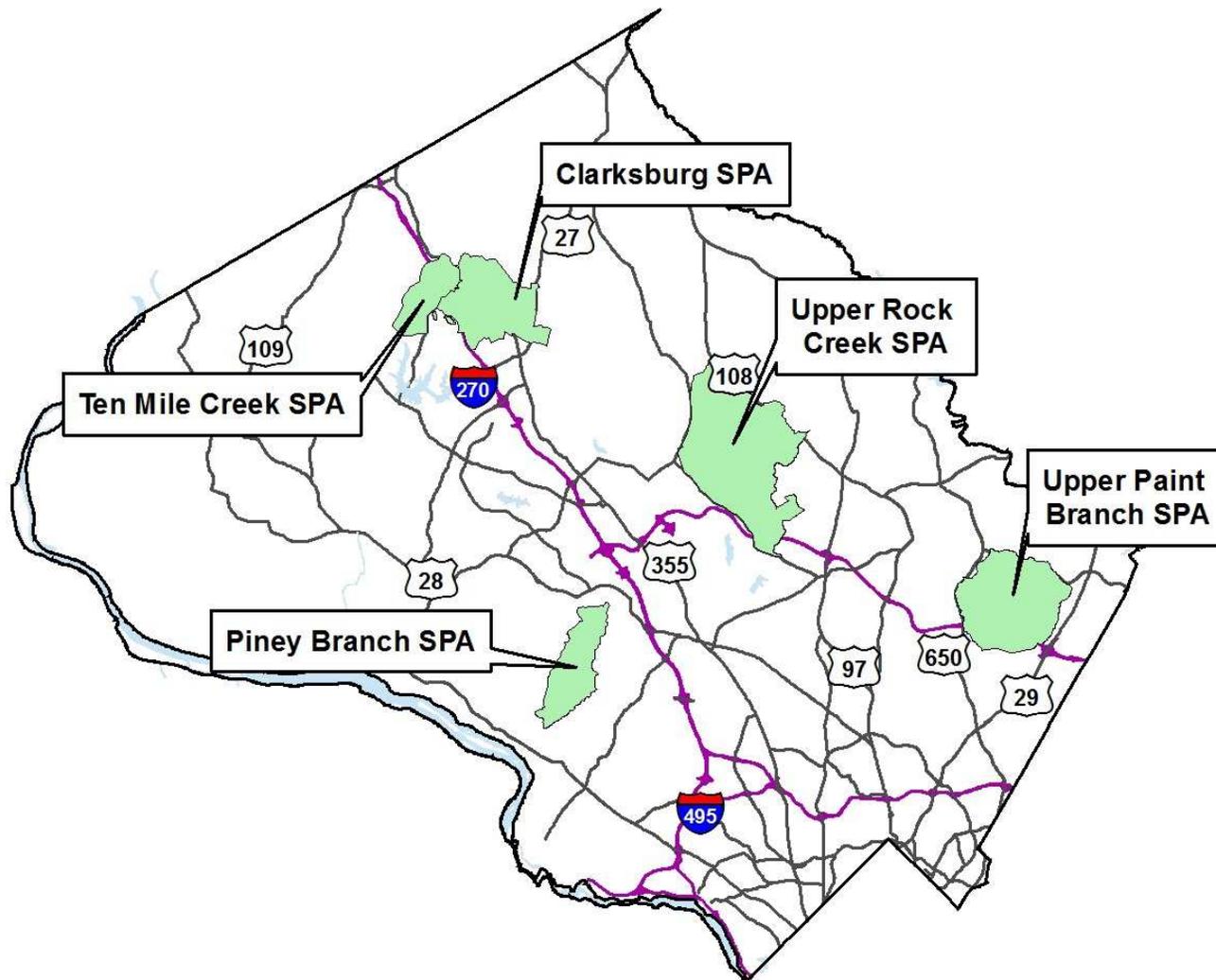
# Baseline Monitoring

- Sampled once every 5 years
- Track county wide stream conditions and trends
- 2016 Watersheds:
  - Northwest Branch of the Anacostia River
  - Paint Branch
  - Little Paint Branch
  - Sligo Creek

# 2016 Baseline Sites



# Special Protection Areas (SPA)

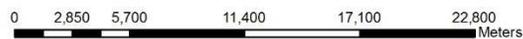
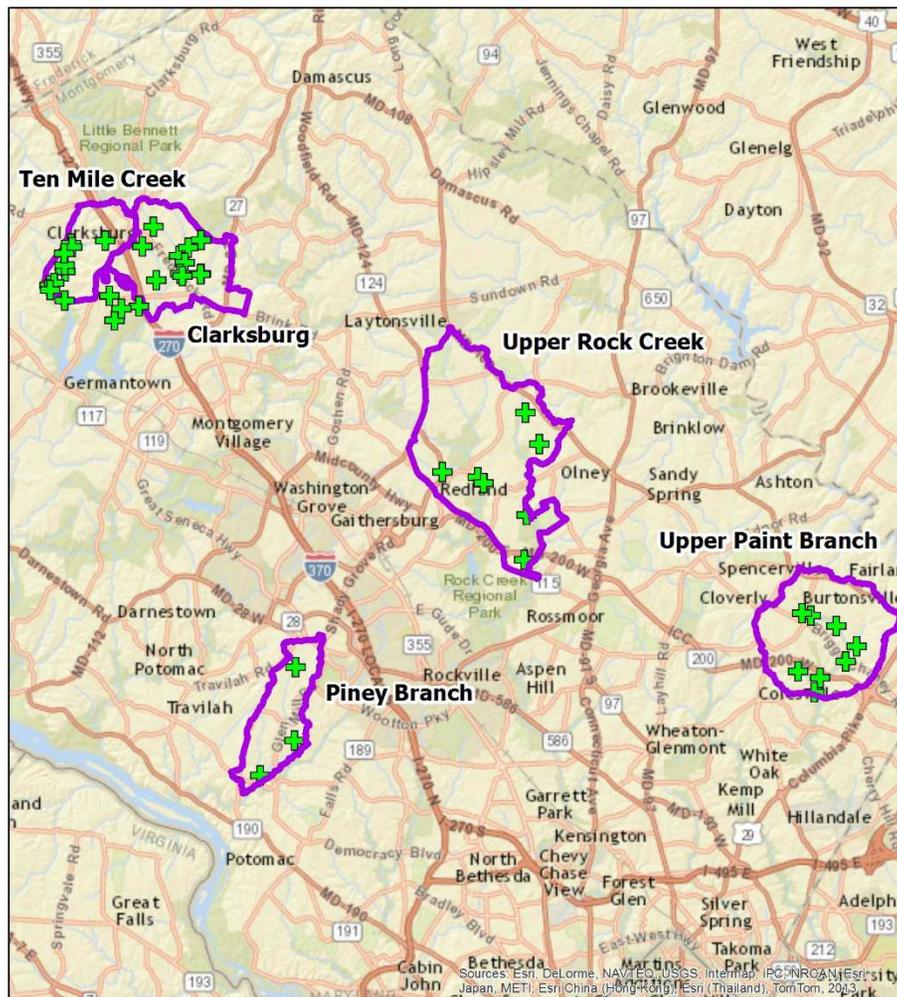




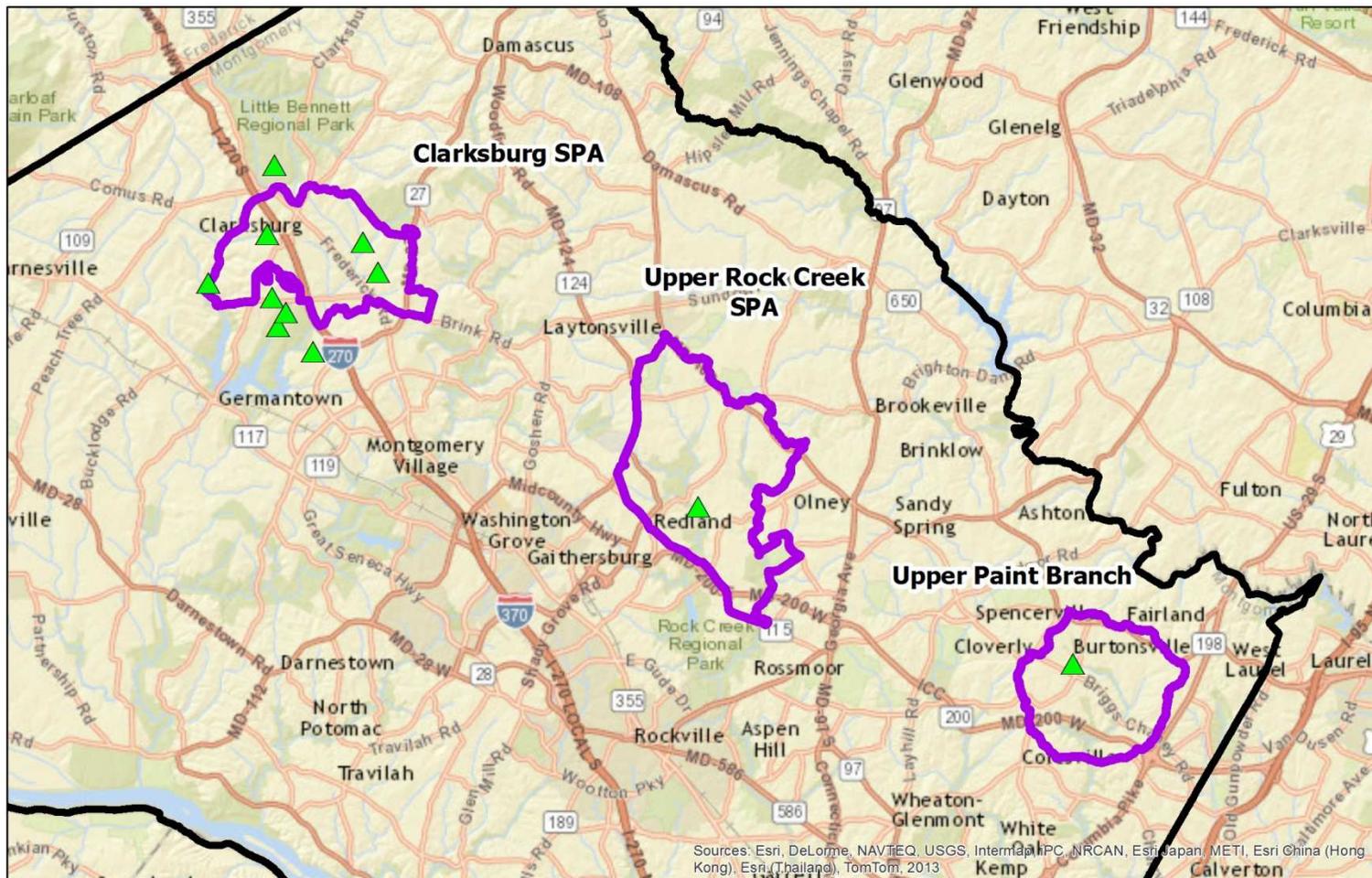
# SPA Biological Monitoring

- Piney Branch: 3 sites
- Upper Rock Creek: 7 sites
- Paint Branch: 8 sites
- Little Seneca: 15 sites
- Ten Mile Creek: 11

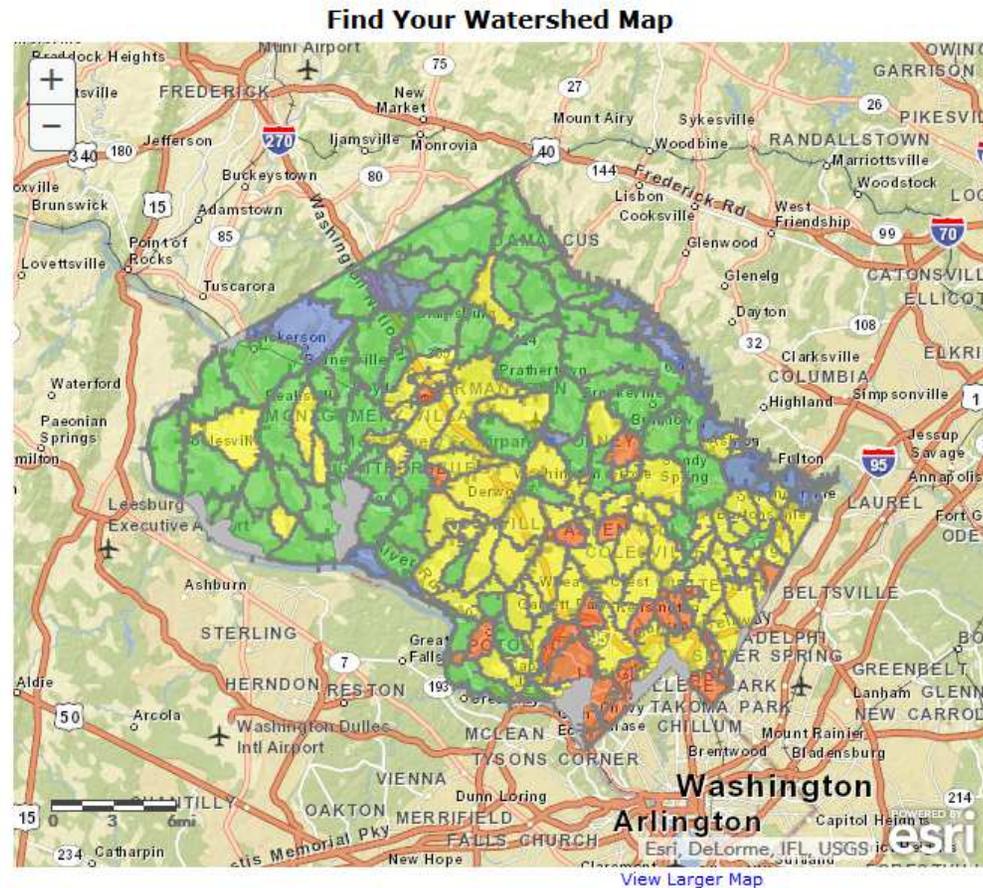
## 2016 Special Protection Area Sites



# 2016 Geomorphology Sites



# Interactive Stream Conditions Map



- <https://www.montgomerycountymd.gov/DEP/water/watershed.html#local>