



Salt Summit 2019

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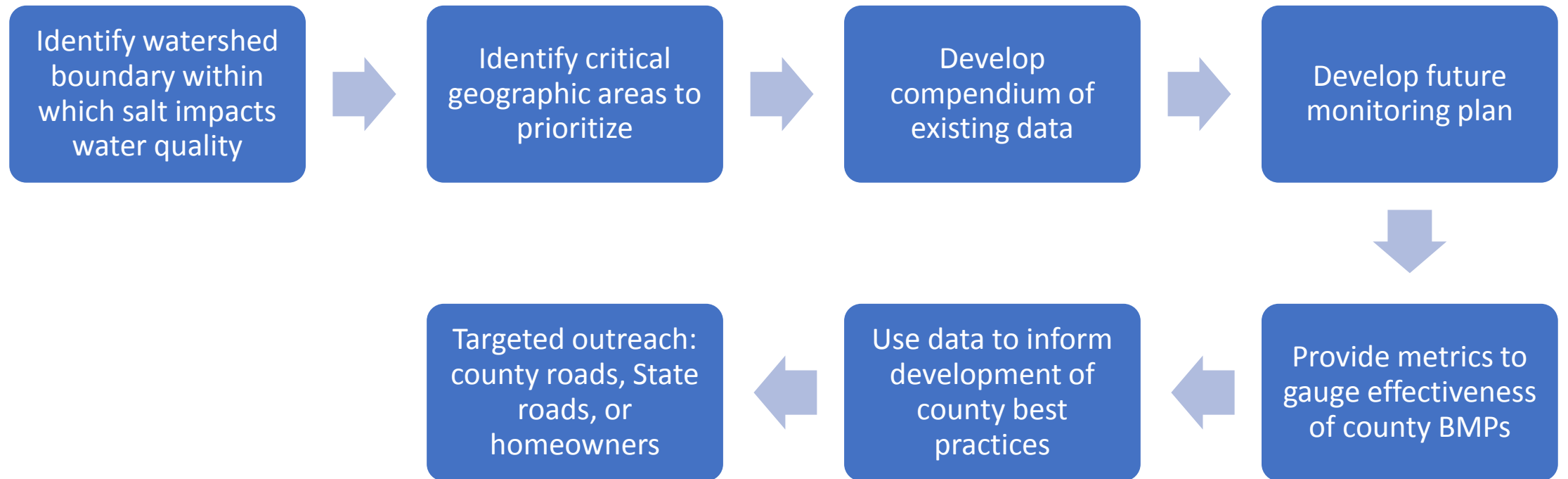
October 21<sup>st</sup>, 2019

# 2018 Salt Summit Summary

- WSSC Water presented the source and tap water monitoring data and impacts on drinking water quality and water supply infrastructure
- SHA presented their Salt Management Plan and progress made to date
- MDE shared current and draft permit language
- Discussion
  - Importance of outreach and public education
  - Training needs for contractors and counties
  - Operator certification or license requirements
  - Formation of task force for Potomac and Patuxent

# Technical Discussion

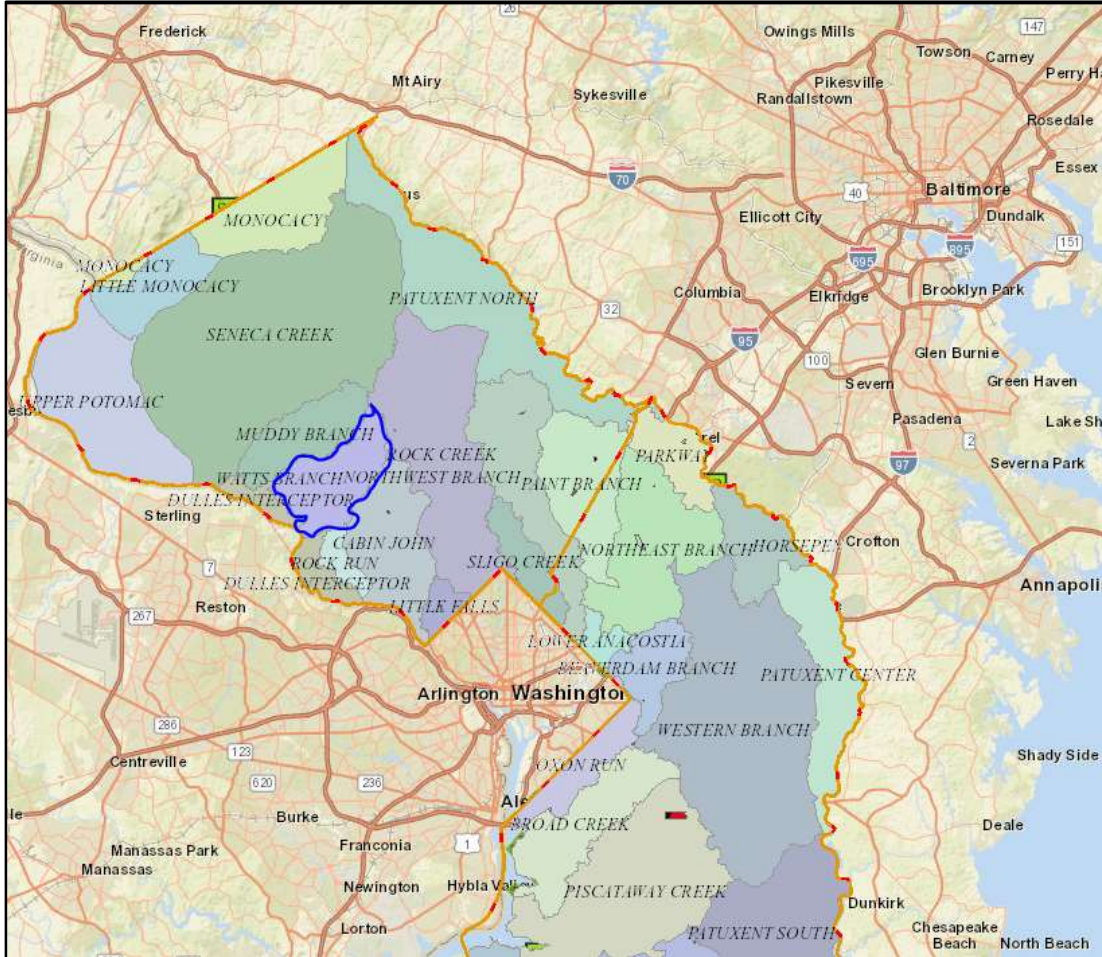
# Goals to Consider



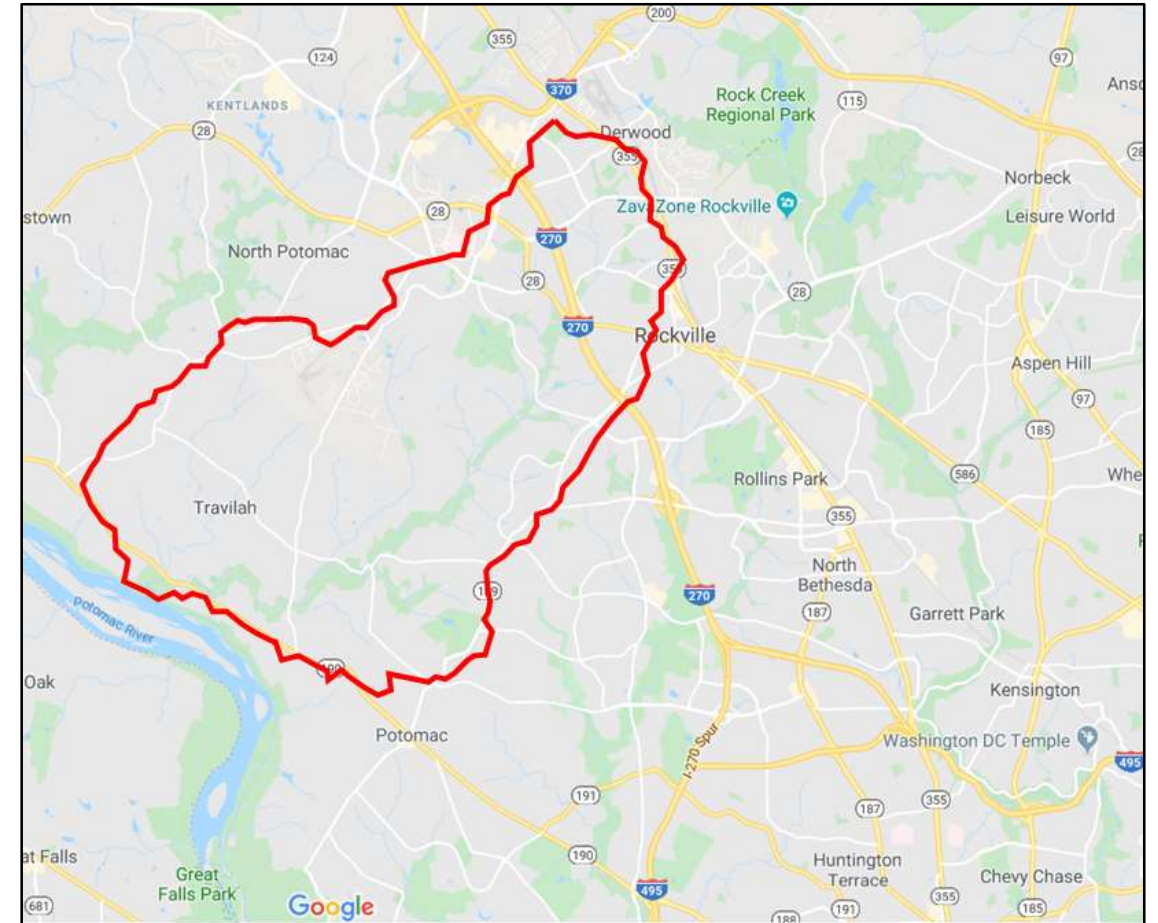
# Watershed Boundary and Impaired Areas

- Define watershed boundary for targeted BMPs
- Identify county and State road miles and other sources of salt
- Potomac vs. Patuxent source differences
  - Potomac River source – “first flush” runoff effect resulting in periodic large spikes, but no lingering effects
  - Patuxent Reservoir sources – pollutants trapped but remain with a dampening effect

# Watershed Boundary – Potomac R.

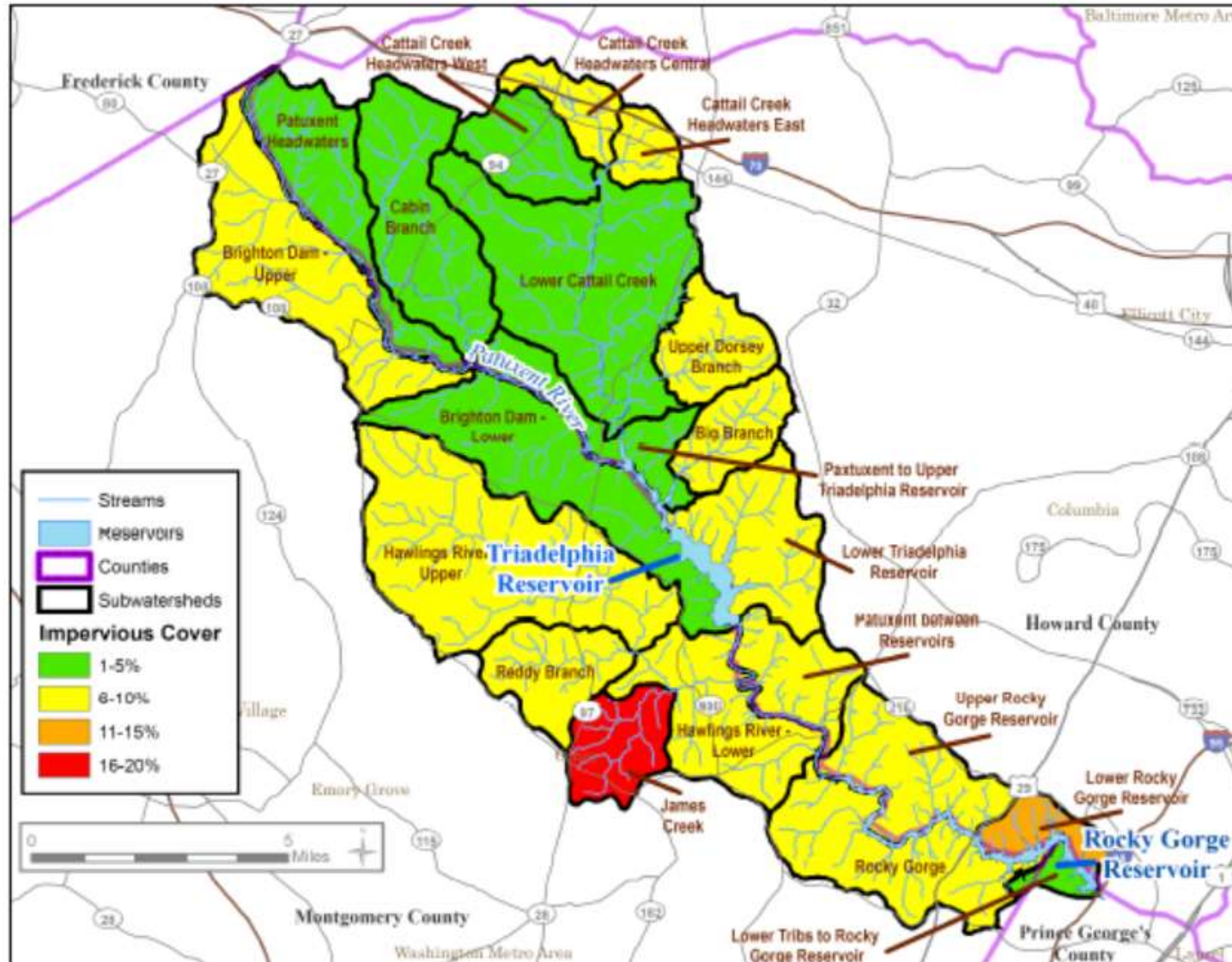


**Watts Branch Subwatershed (~22 sq. miles)  
within ¼ mile upriver of Potomac R. intake**



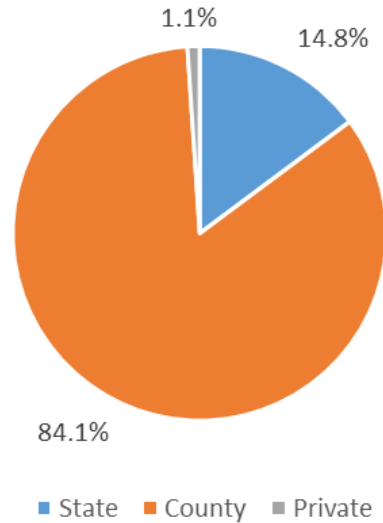


# Watershed Boundary - PRW

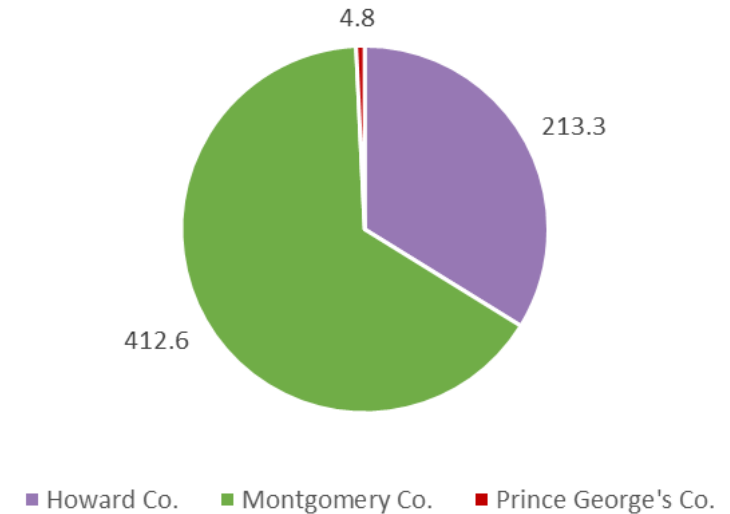


# County/State Road Miles - PRW

Total Percent of Road by Type in the Patuxent Watershed (3 Counties)



Total Miles of Road per County in the Patuxent Watershed





# Existing Data

- WSSC
  - Both plants intake (1990 – present)
    - Weekly measurements of sodium and chloride
  - Patuxent Reservoirs monitoring program
    - Monitoring sites throughout both reservoirs (7)
    - Real time water quality (profile) data collected at each Dam (2)
  - USGS
  - Watts Branch Potomac (monitoring ended in 2004?)
  - Patuxent Reservoirs Watershed (PRW)
    - USGS (5 streamflow gauging stations within PRW)
      - Historic data for comparison, but not currently measuring water quality
- Counties
- MDE

# Future Monitoring Plan

- Monitoring locations
- Monitoring parameters
- Modeling needs
- Develop metrics and criteria to gauge effectiveness of BMPs
- Resources
  - WSSC
  - USGS
  - Montgomery County DEP
  - MDE

# Questions?

