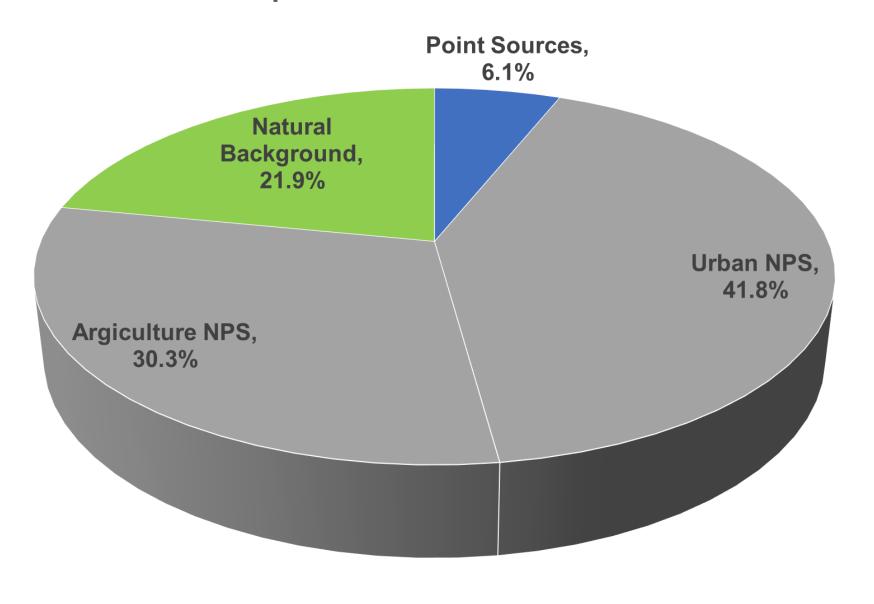
## Harpeth River Stakeholder Update

November 29, 2023

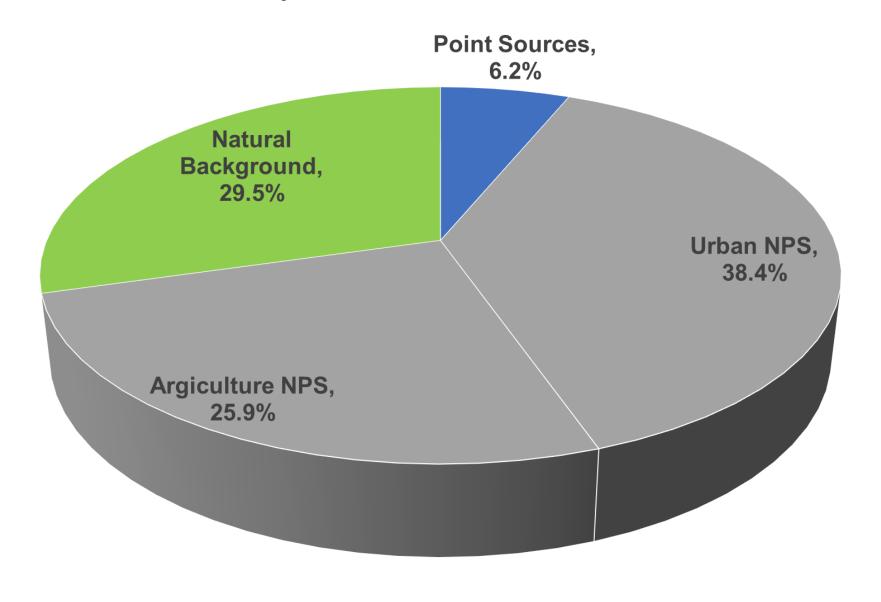
## Stakeholder Recap

- Narrative nutrient and a minimum dissolved oxygen criteria
- Previous TMDL endpoint discussions by group focused on DO or delta DO?
- Model work by EPA
  - COVID
  - EPA staff turnover
  - No impairment shown in model
    - Similar trends seen in improving monitoring data results
- Nonpoint source is the largest contributor to nutrients

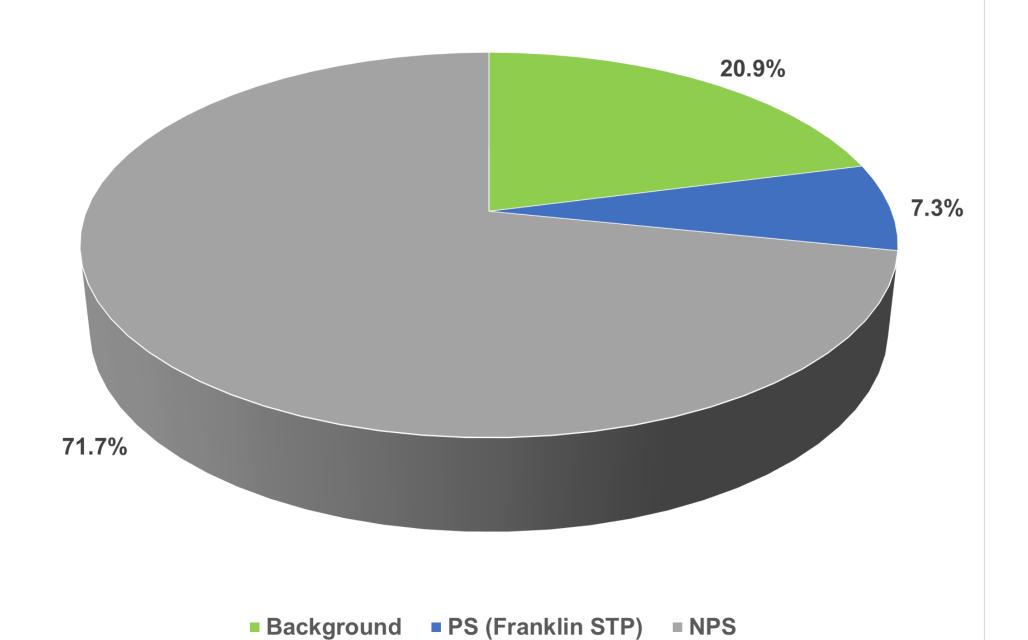
#### **LSPC Harpeth River TN Source Distribution**



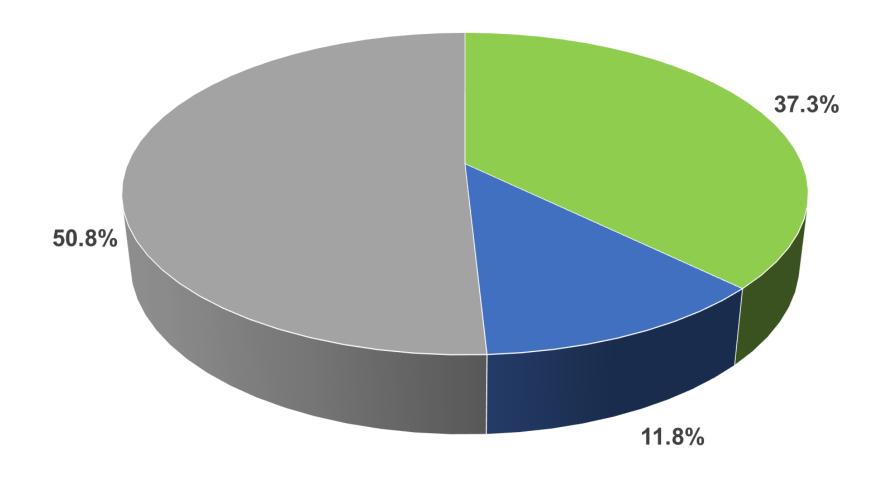
#### **LSPC Harpeth River TP Source Distribution**







#### **Downstream Franklin STP WASP TP**

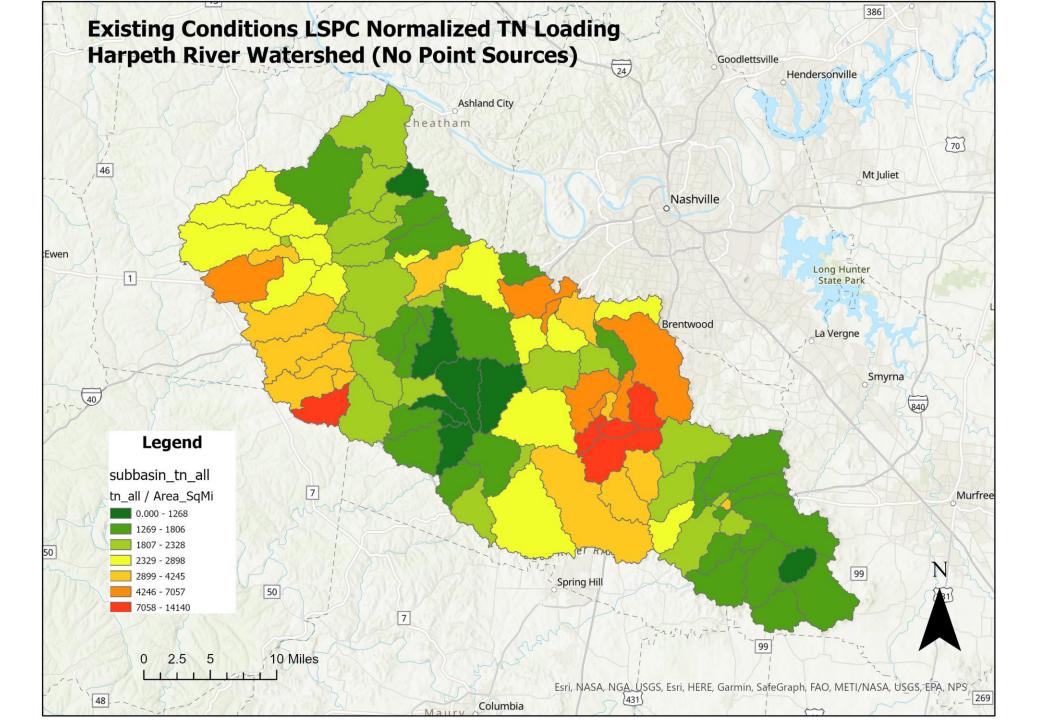


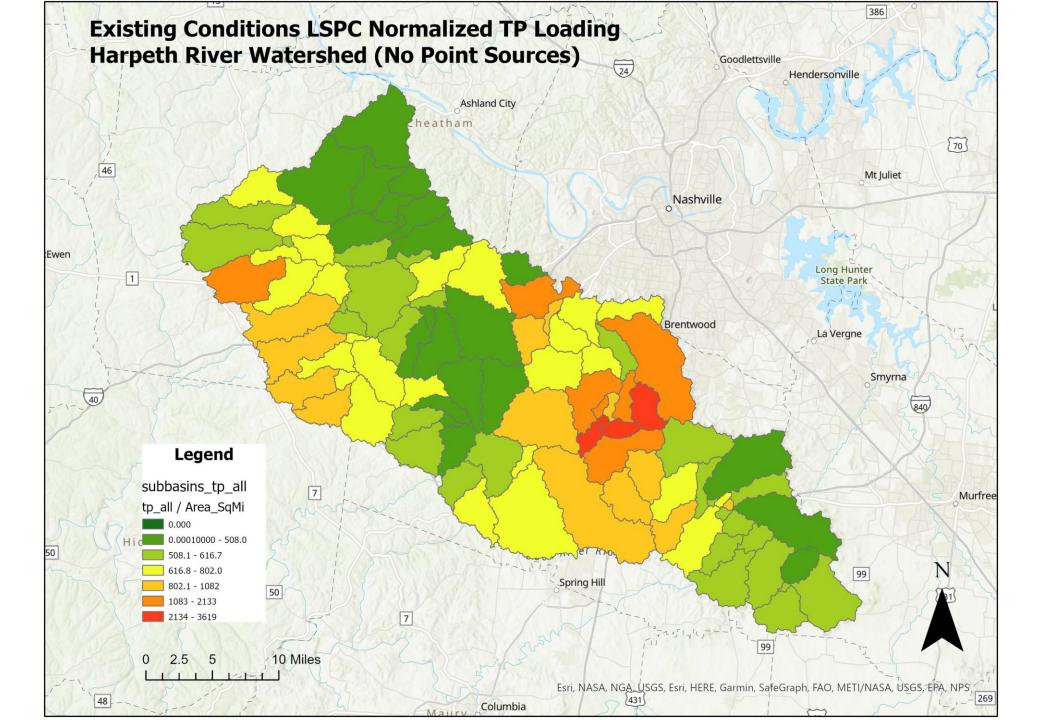
BackgroundPS (Franklin STP)NPS

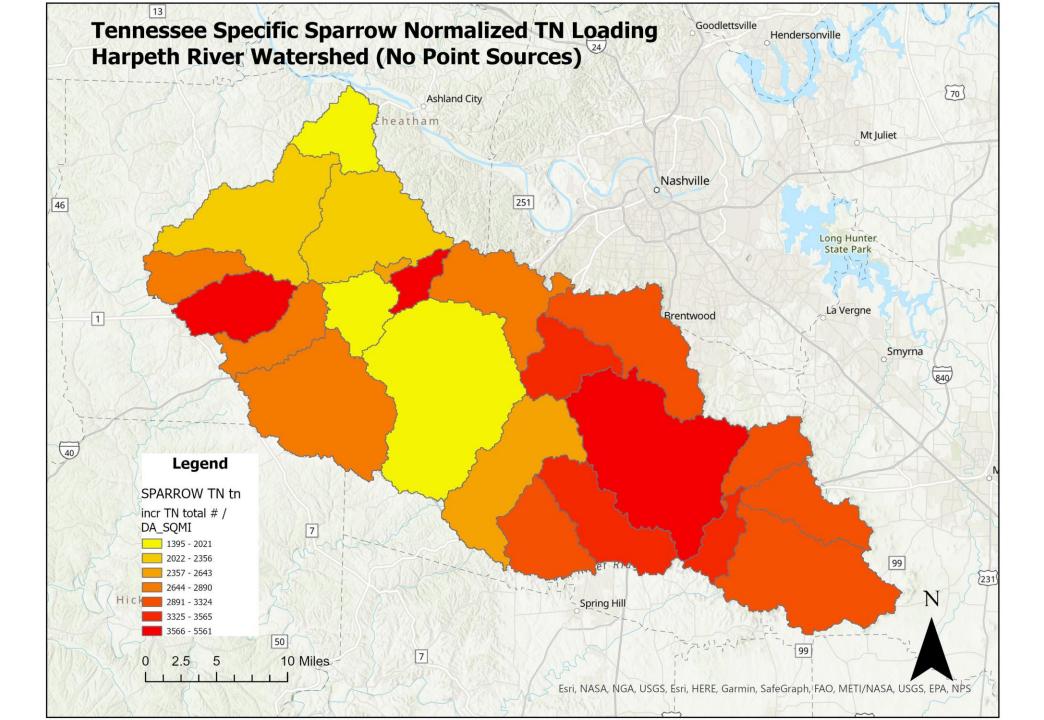
### Advance Restoration Plan

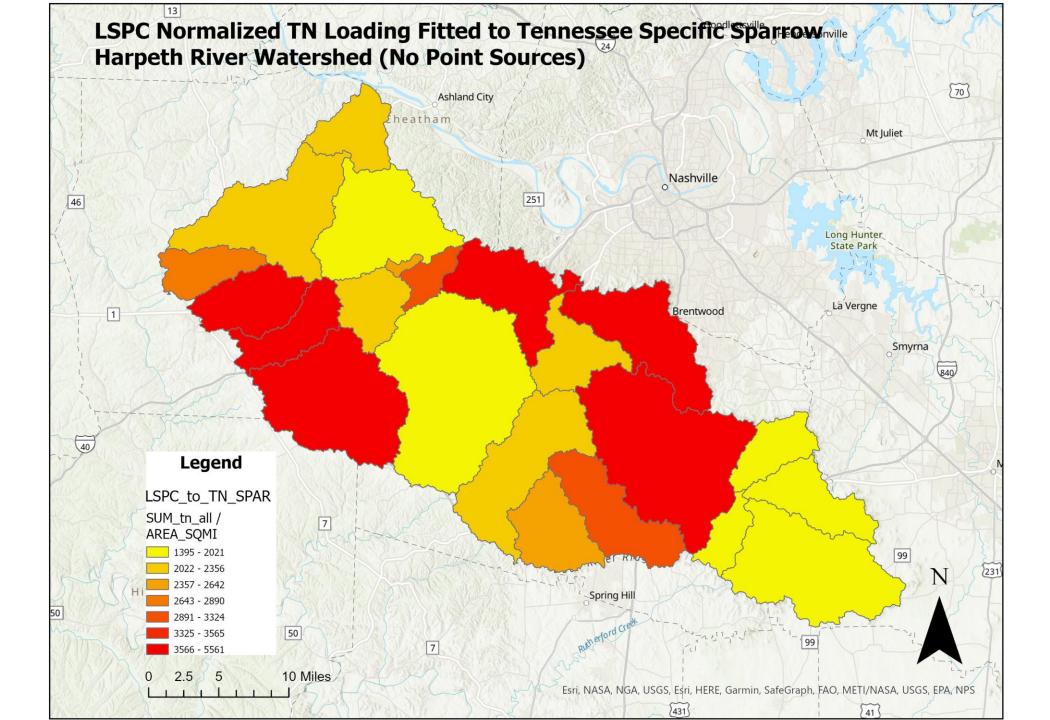
- Advance Restoration Plan (ARP) is a near-term plan, or description of actions, with a schedule and milestones, that is more immediately beneficial or practicable to achieving WQS
- Harpeth Stakeholder Prioritization (pre-ARP)
  - Identify top nonpoint loading areas or areas with greatest potential
  - Coordinate with partners to install BMPs to reduce nutrient loading
  - Continue to collect data (two continuous USGS gages to be installed)
  - Reassess Harpeth River watershed April/May 2024 on normal cycle
  - Point sources will continue to operate in an optimized fashion

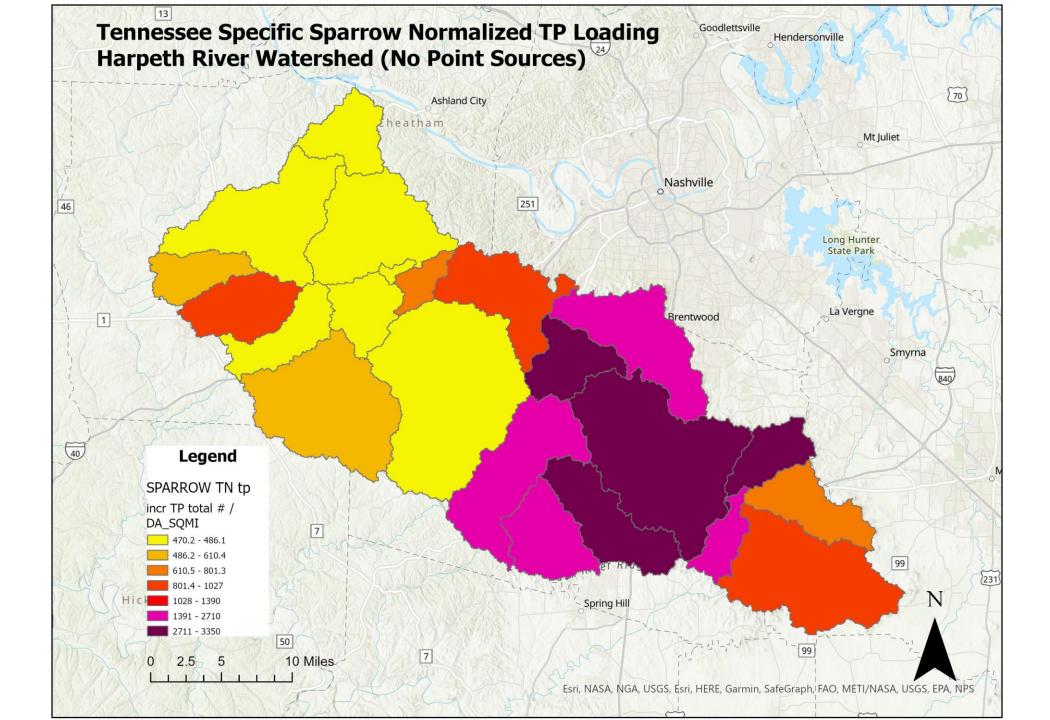
# ARP Thoughts/Feedback

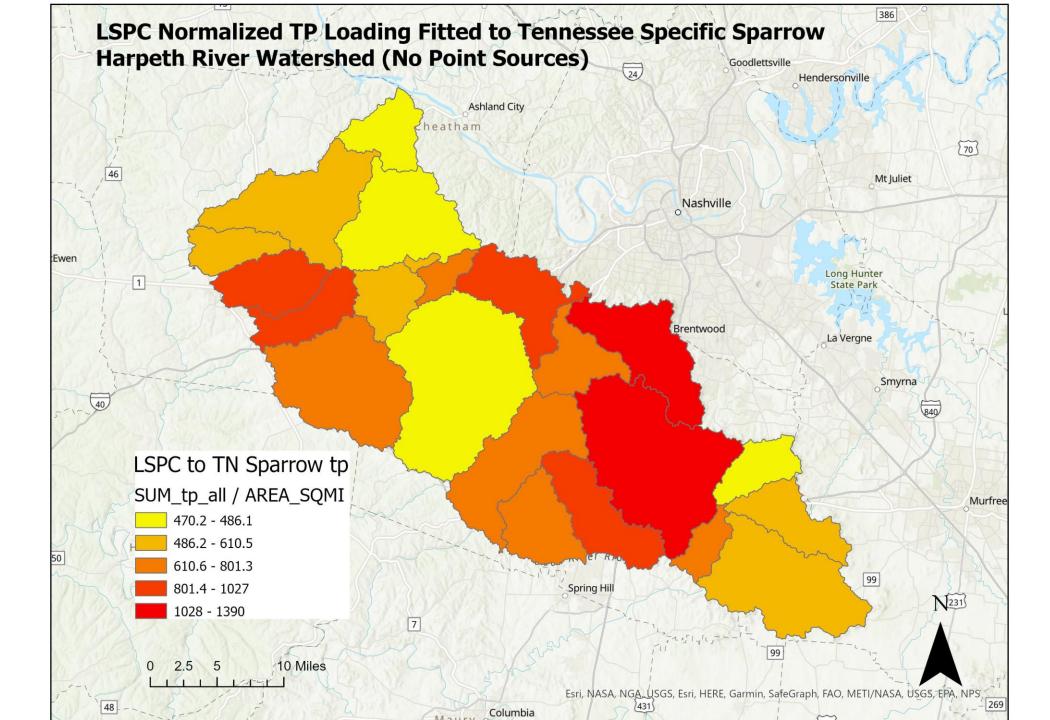












### **Richard Cochran**

Division of Water Resources Watershed Planning Unit

(615) 203-1793 Richard.Cochran@tn.gov