

East Fork Lewis River  
**Partnership**  
for clean water

**Private Landowner Technical Assistance**





# Welcome!

Devan Rostorfer, TMDL Lead  
Shawn Ultican, Nonpoint Source Specialist  
Jennifer Riedmayer, Nonpoint Source Specialist



# Housekeeping

- Please sign in
- Coffee
- Restrooms
- Wifi
- Parking



# East Fork Lewis River Watershed - WRIA 27

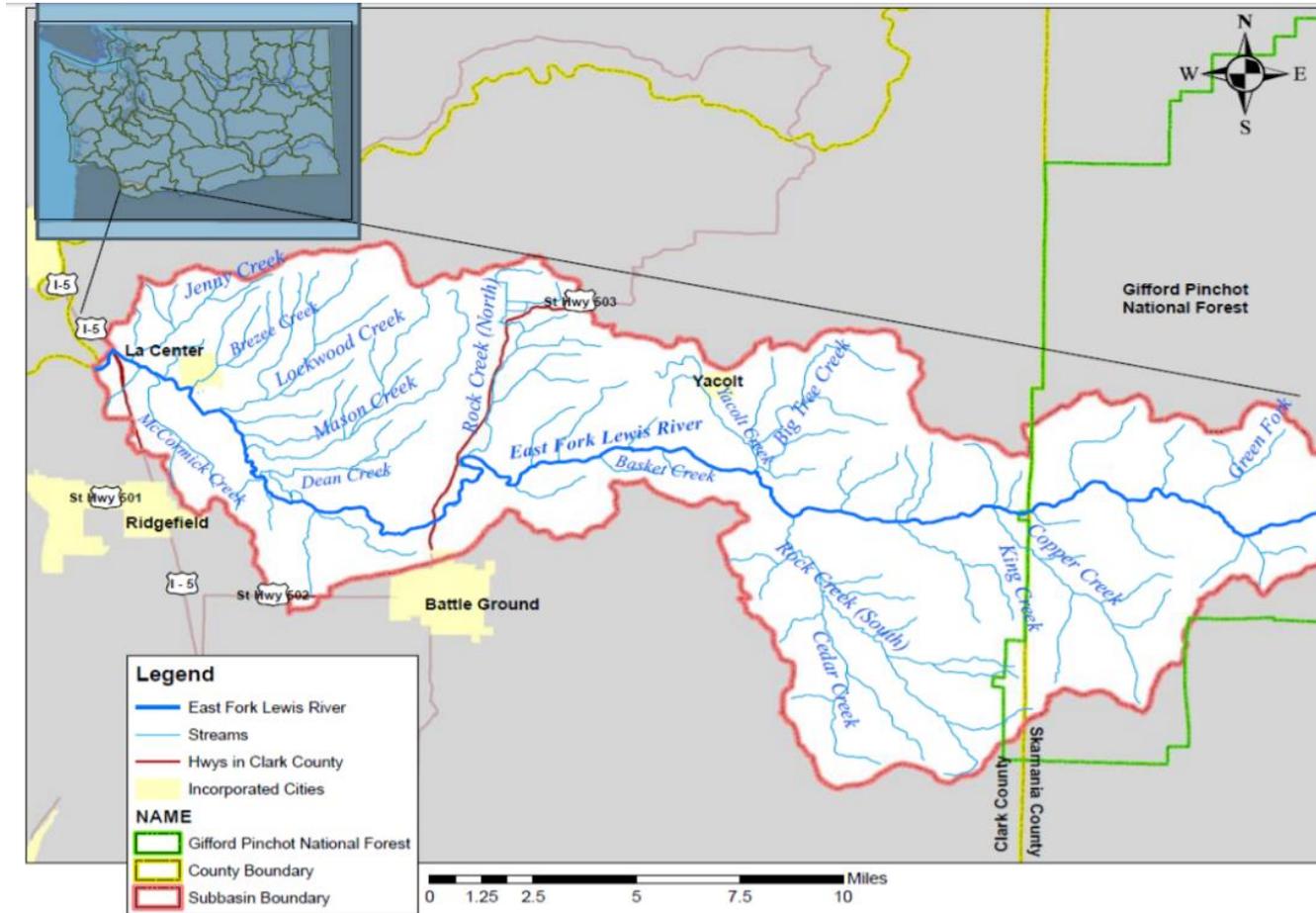


Figure 1. Overview of EF Lewis River watershed (Bilhimer et al., 2005).



# Agricultural Use

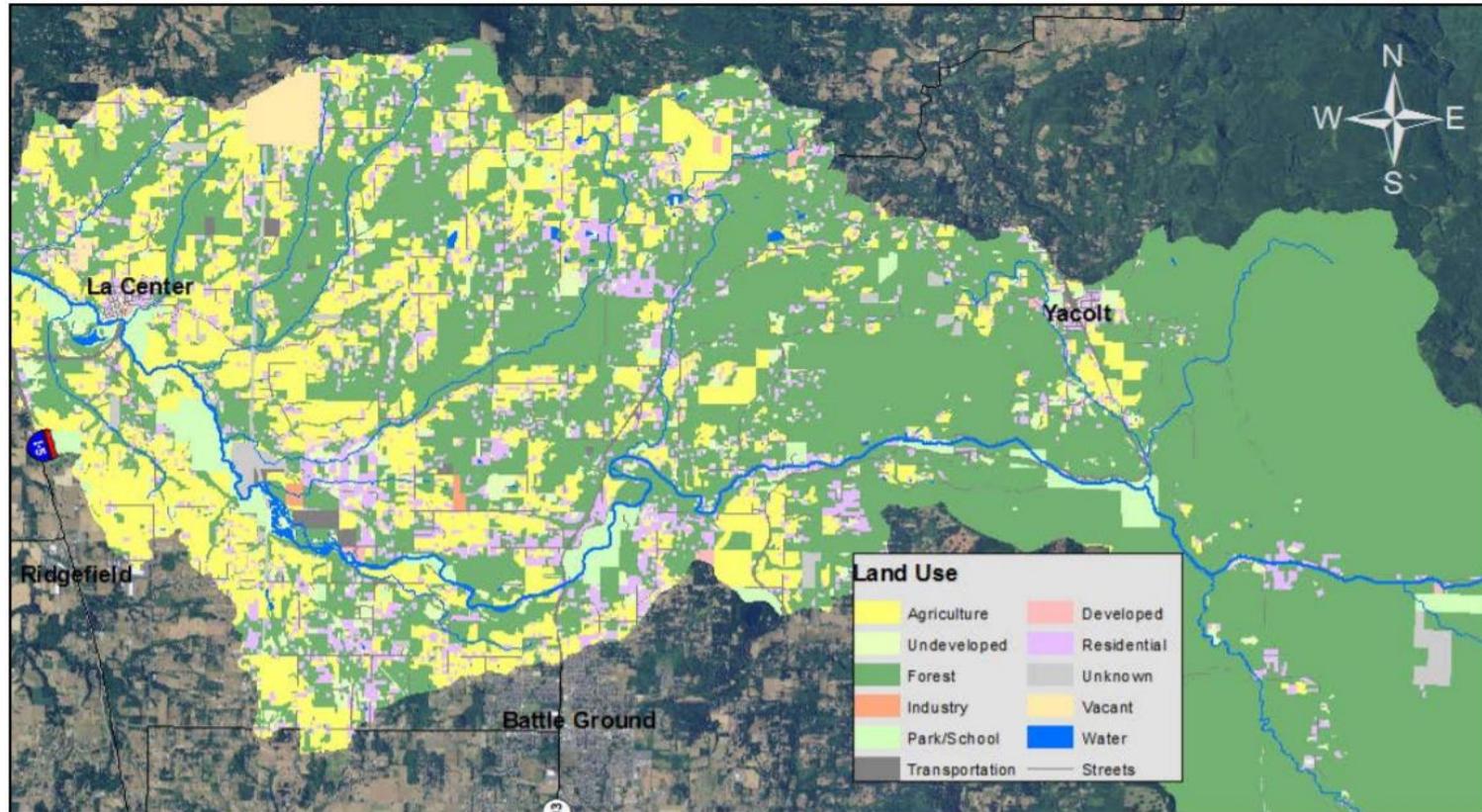
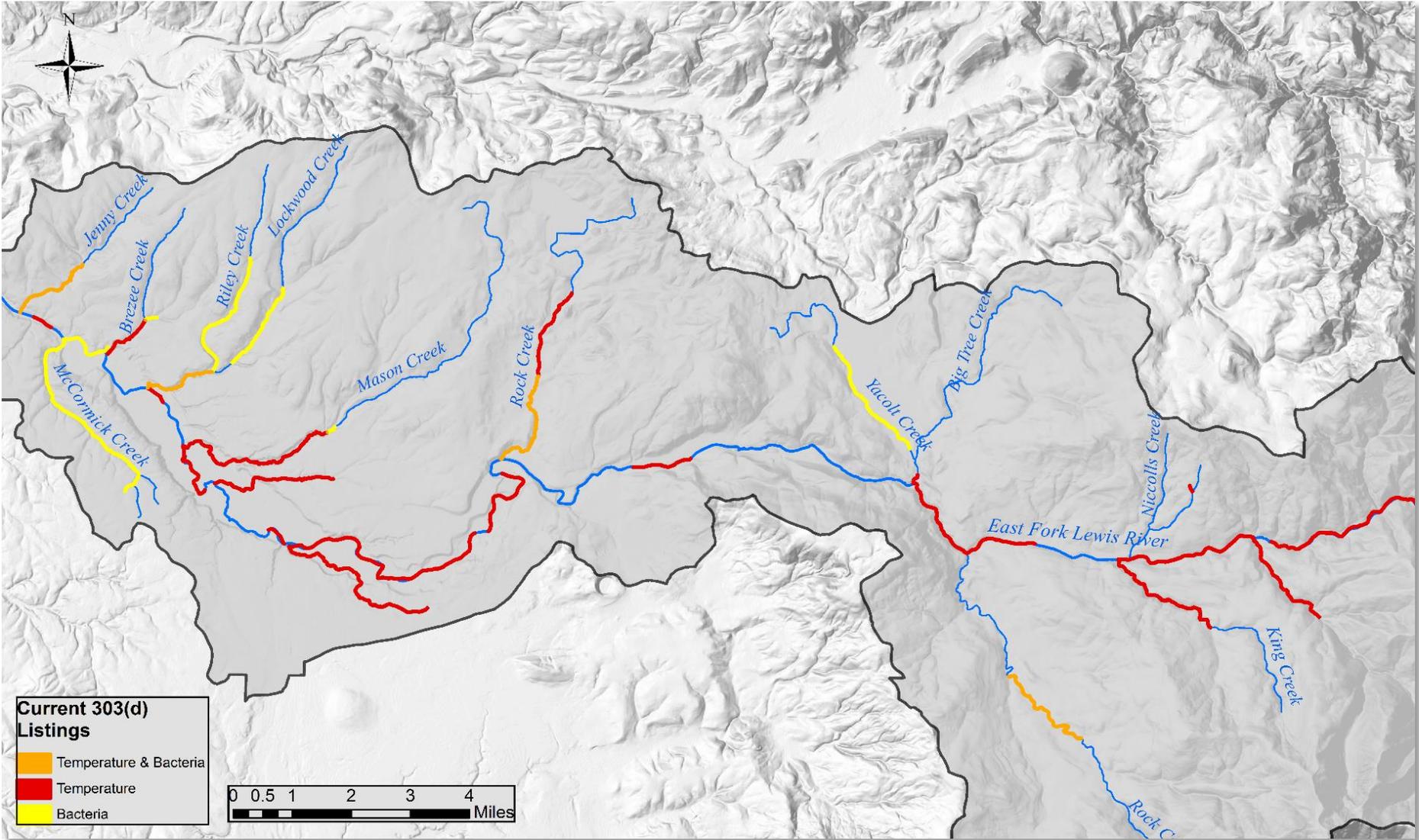


Figure 15. Land use types in the EF Lewis River watershed (Ecology<sup>1</sup>, 2010).





# Characterizing the Watershed

- **Source Assessment Study**
  - Analyzed Water Quality Data
  - Created Watershed Inventory
  - Identified Issues & Critical Areas
  - Implementation Recommendations



**East Fork Lewis River Watershed  
Bacteria and Temperature**

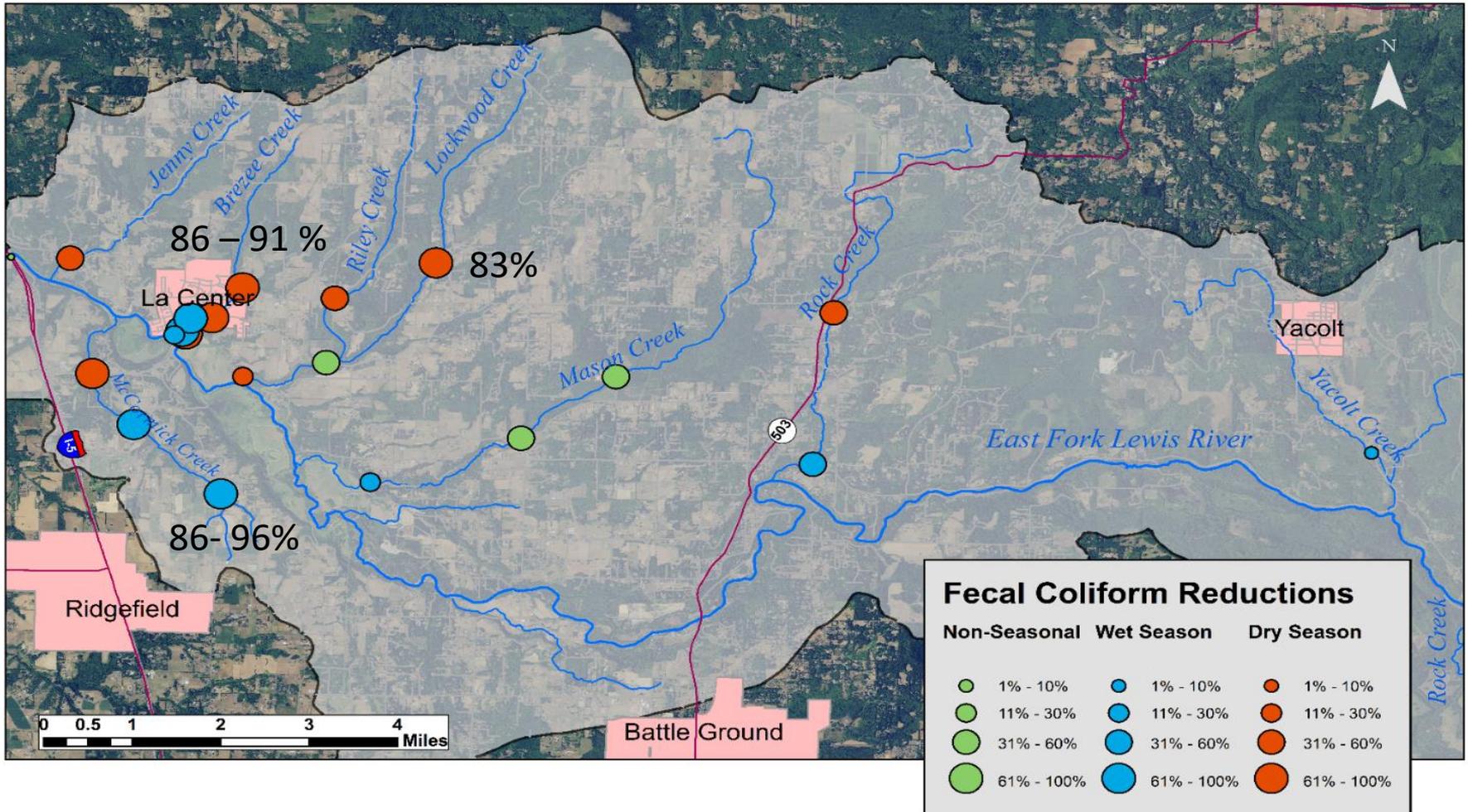
**Source Assessment Report**



May 2018  
Publication No. 18-03-019



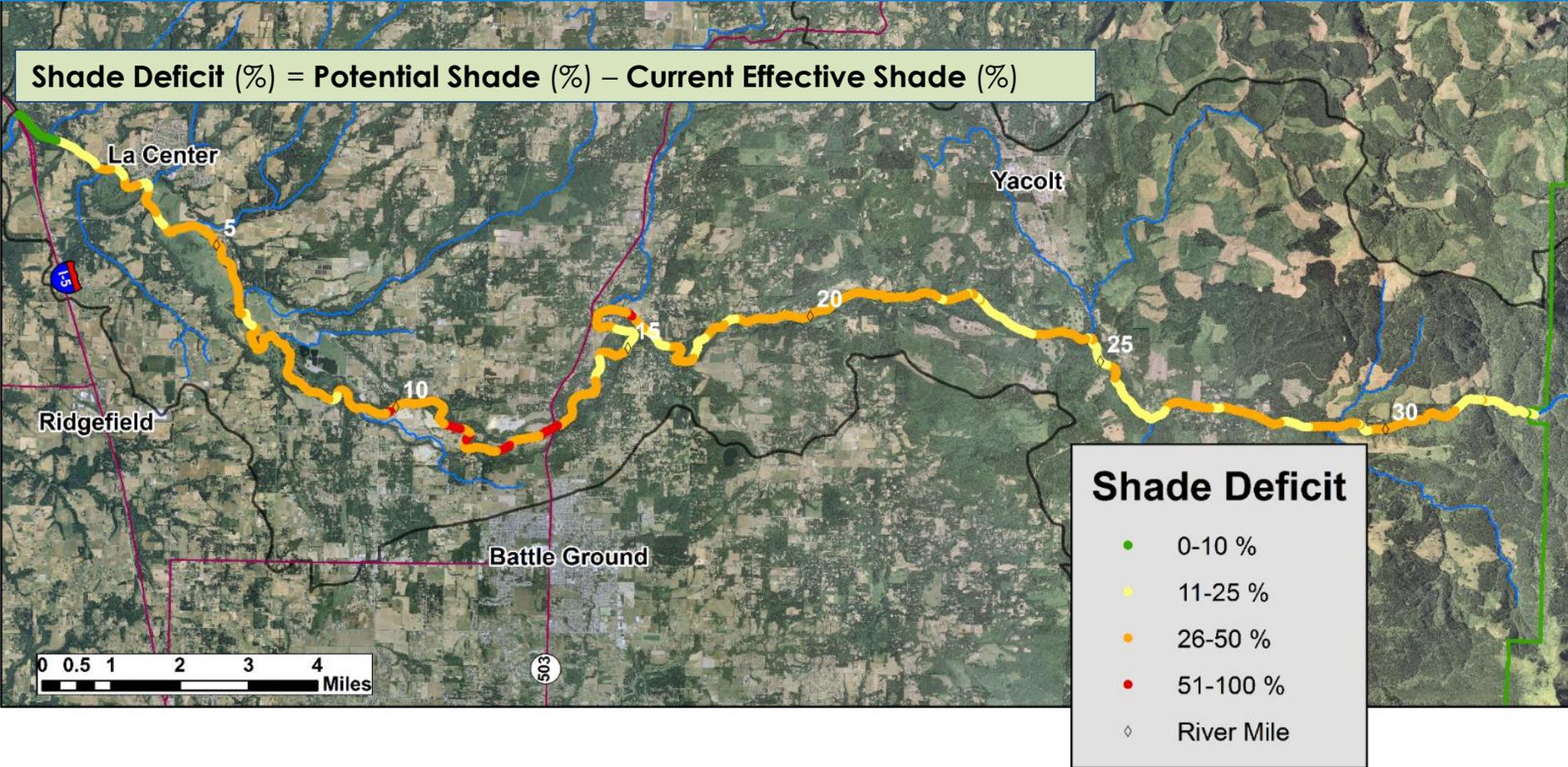
# Bacteria Recommended Reductions



Completed using Statistical Rollback Analysis

# Summary: Shade Analysis Results

$$\text{Shade Deficit (\%)} = \text{Potential Shade (\%)} - \text{Current Effective Shade (\%)}$$



### Shade Deficit

- 0-10 %
- 11-25 %
- 26-50 %
- 51-100 %
- River Mile

## Lower

**Mouth to RM 5.7**

**Deficit = 27%**

## Middle

**RM 5.7 – 20.3**

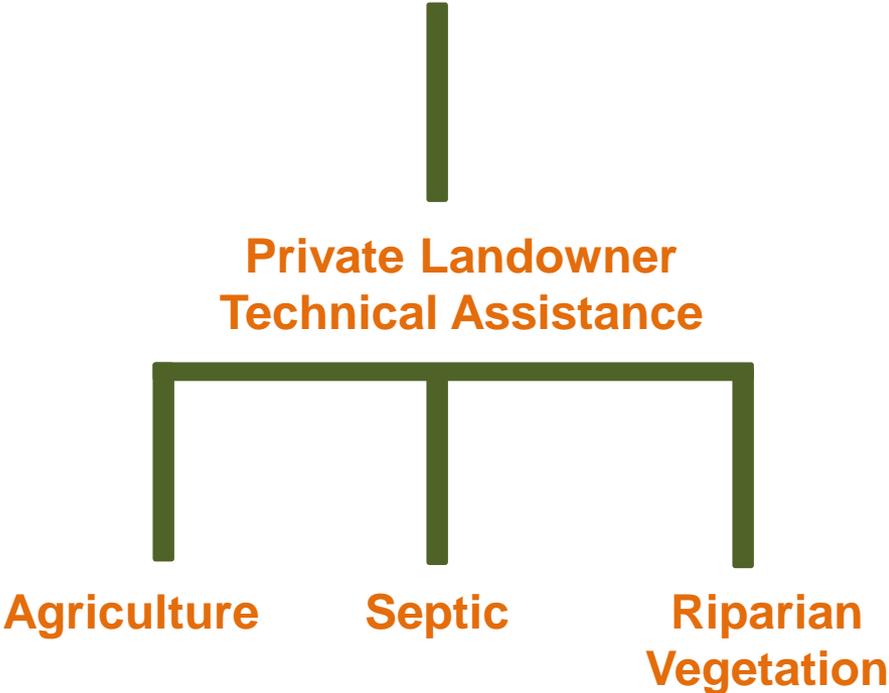
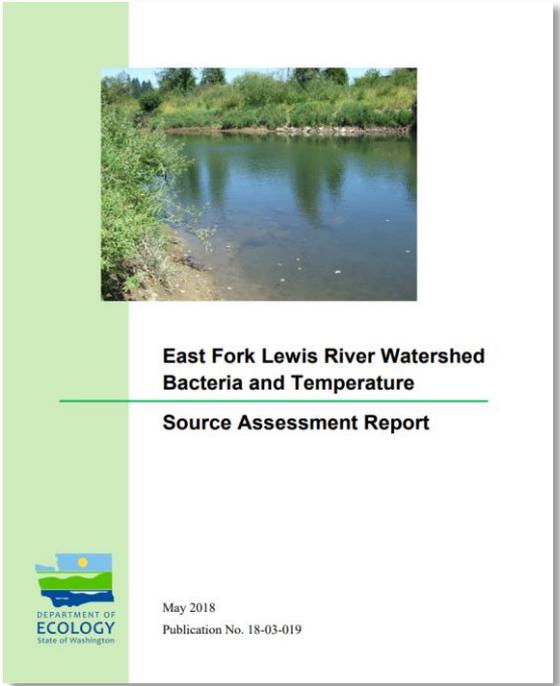
**Deficit = 35%**

## Upper

**RM 20.3 – 32.3**

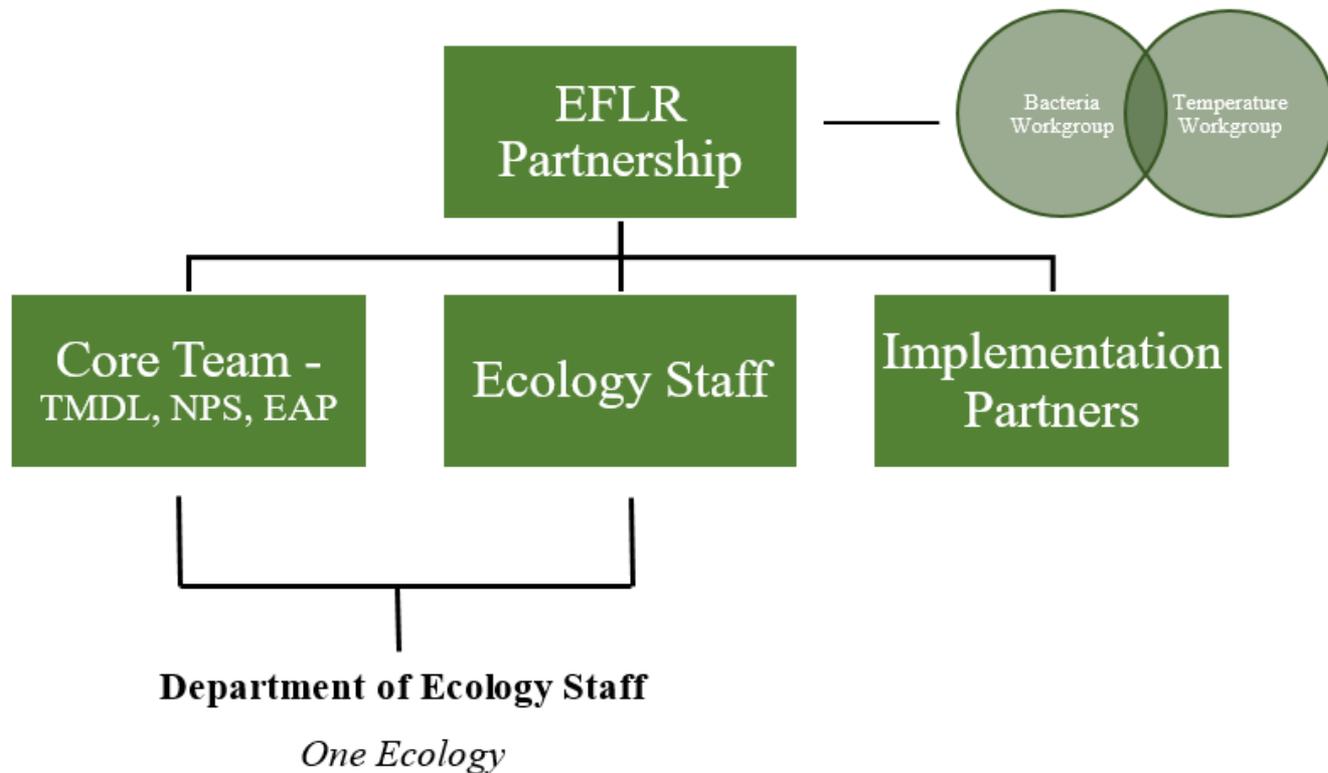
**Deficit = 26%**

# Source Assessment to Success



# East Fork Lewis River Partnership

***Collaboration of local, state, tribal, and federal governments;  
non-profits, private industry, and landowners***



# Goals



**East Fork Lewis River Watershed  
Bacteria and Temperature**

**Source Assessment Report**

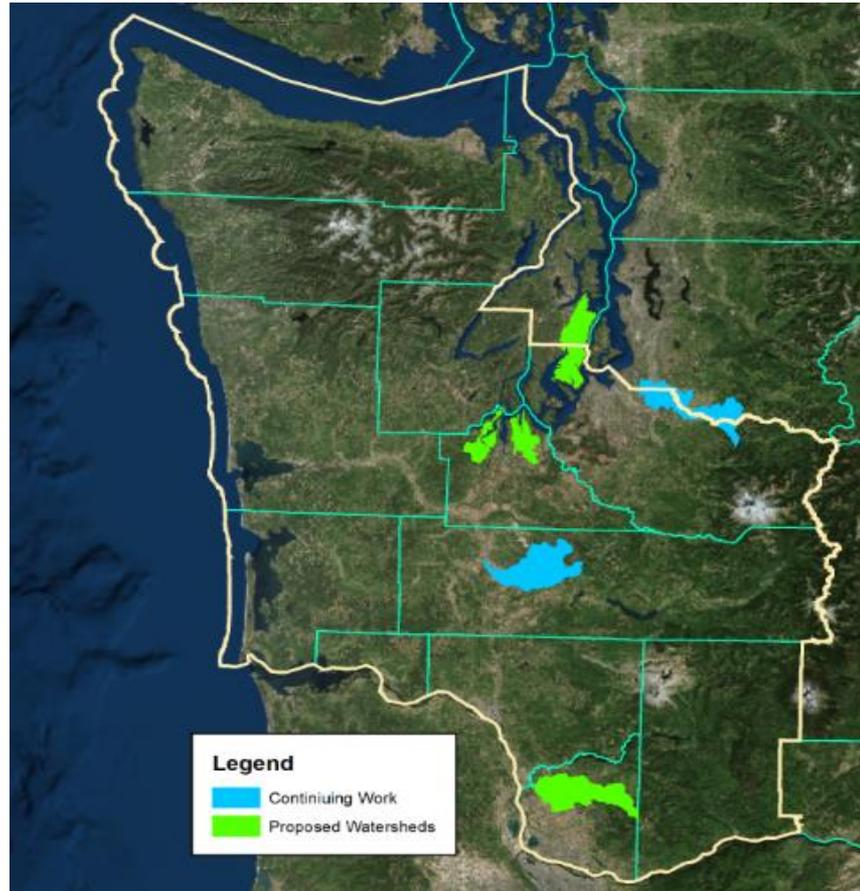


May 2018

Publication No. 18-03-019

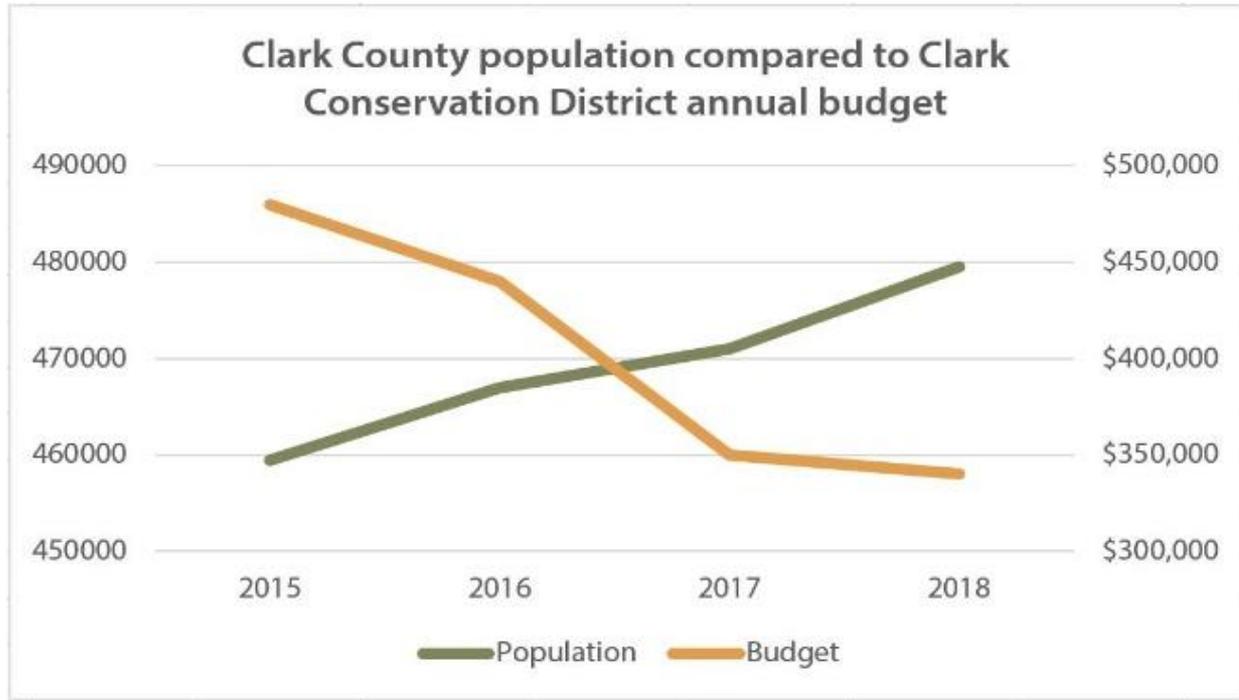
- 1. Develop strategy and implementation plan to address bacteria and temperature challenges by Summer 2019**
- 2. Strengthen partnerships**
- 3. Achieve Clean Water**

# Opportunities



**Figure:** Priority watersheds for nonpoint source planning and implementation.

# Challenges

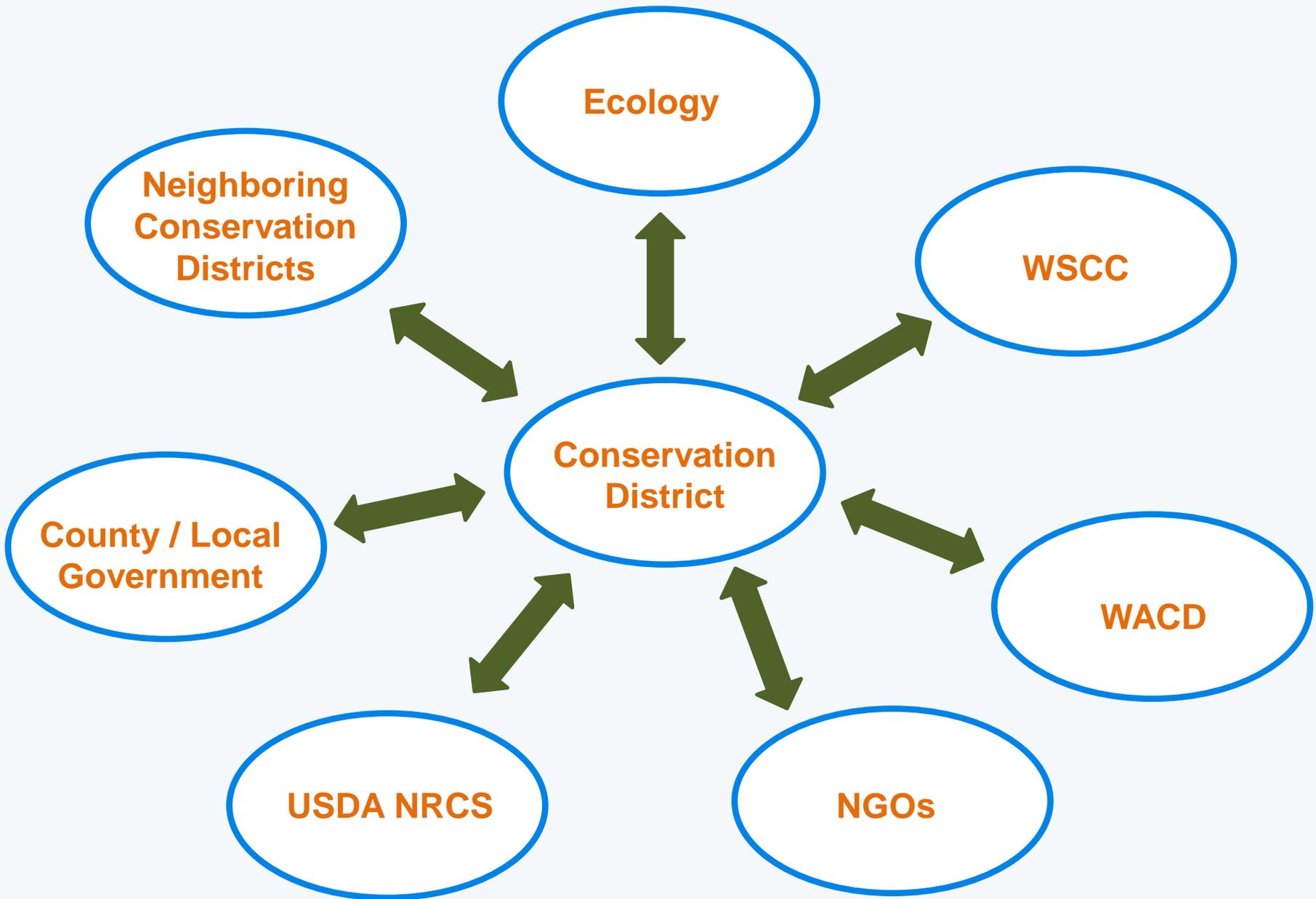


**Figure:** Decreased financial capacity of Clark Conservation District with growing population

*Source = Washington State Conservation Commission*



**We need YOUR support**



**Partnerships?**

# Objectives and Desired Outcomes

- **Learn more from you!**
  - **Meeting Objective:**  
Discuss private landowner technical assistance in the East Fork Lewis River Watershed, Clark County, and Southwest Washington.
  - **Desired Outcomes:**  
Understand the capacity of organizations to provide private landowner technical assistance; current challenges and needs; and discuss opportunities for future partnerships, and collaboration.

# Agenda

- **Welcomes and Introduction**
- **Discussion**
  - Background and Capacity
  - Challenges and Needs
- **Break – 10 minutes**
- **Discussion (Cont.)**
  - Opportunities
    - Partnerships and Collaboration
    - Future Needs
- **Report Out & Next Steps**



# **Introductions**

- **Name**
- **Organization / Position**
- **How do you support private landowner technical assistance?**

# Discussion

**1:20-2:00 p.m.**

- **Background and Capacity**
  - How do you provide private landowners with technical assistance?
  - Successes
- **Challenges and Needs**
  - What are some challenges, barriers, or constraints?

# Discussion Prompts

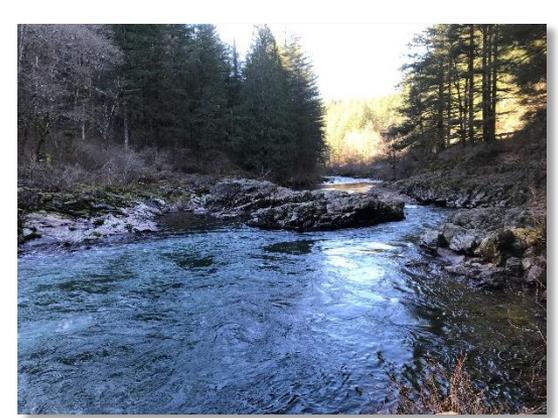
## • Background & Capacity

- How do you provide private landowner technical assistance?
- Where do you work? Who do you work with?
  - Large or small properties
  - Rural vs. Urban
  - Proactive vs. Reactive
- How do you prioritize your work?
  - Responding to complaints
  - Conservation planning
  - Implementation
- What are your technical assistance deliverables to landowners or partners?
- Successes
  - What has worked well?
- Demand & Capacity
  - Is there a backlog?

## • Challenges and Needs

- What are some challenges, barriers, or constraints?
  - Funding
  - Staffing
  - Landowner willingness
  - Partnerships
- Where are there gaps or needs?





**Break – 10 Minutes**



# **Discussion**

**2:10-2:45 p.m.**

- **Opportunities**
  - Partnerships and Collaboration
  - Future needs

# Discussion Prompts

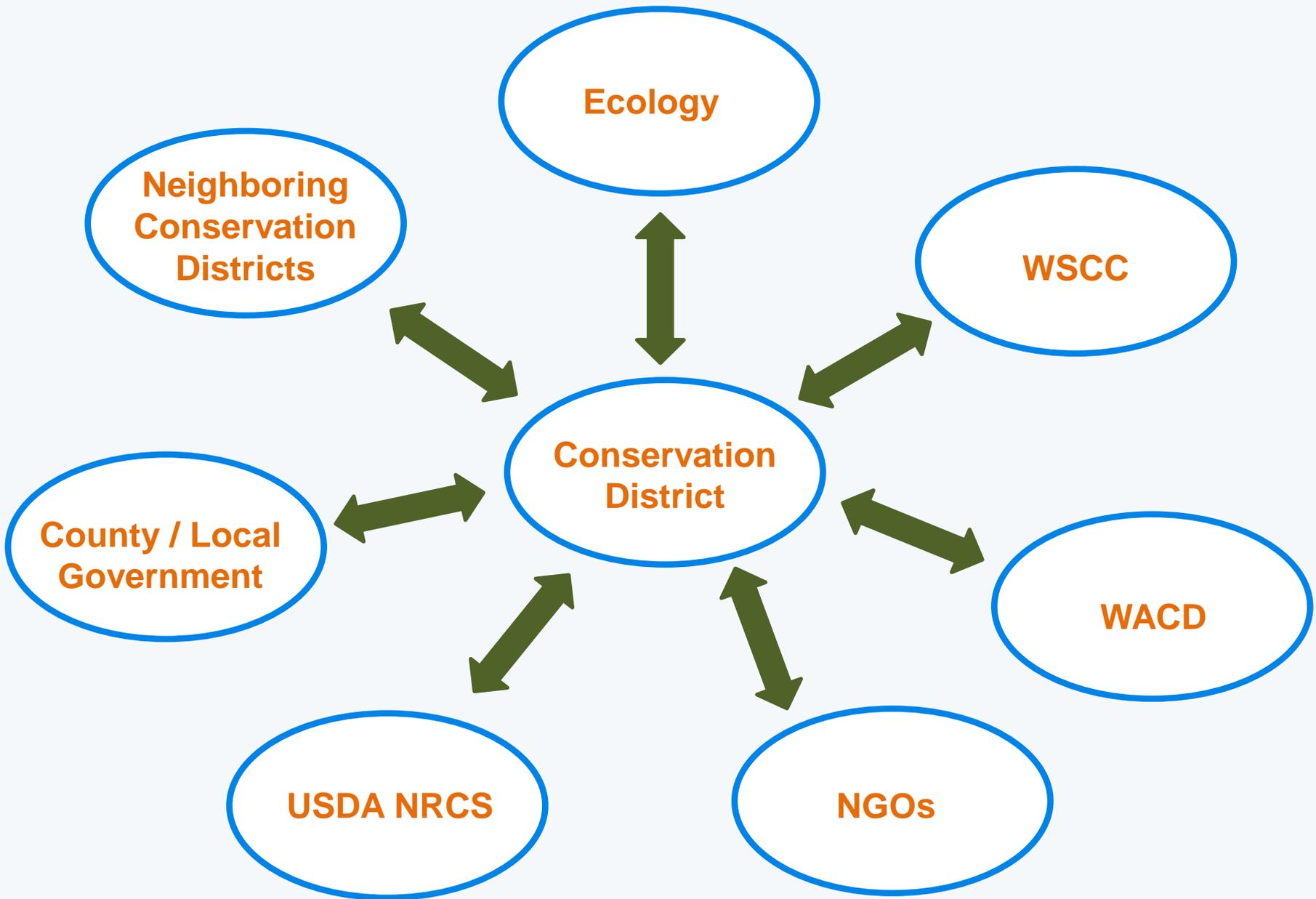
- **Partnerships & Collaboration**

- Who have you partnered with in the past?
- How are these partnerships structured?
  - MOUs, MOAs; contracts; etc.
- How have you worked with Ecology in the past?
- Are there opportunities for joint site visits

- **Future Needs**

- Public education and outreach (print materials and workshops)
- Technical training/ knowledge transfer
- Support for strategic planning
- Funding
- Increasing capacity
- Resources for staff / technical service providers
- Tools/ equipment





**Partnerships?**

# **Report Out & Next Steps**

- **Background and Capacity**
- **Challenges and Needs**
- **Opportunities**



# Thank You!

Devan Rostorfer, TMDL Lead  
Shawn Ultican, Nonpoint Source Specialist  
Jennifer Riedmayer, Nonpoint Source Specialist

