

East Fork Lewis River
Partnership
for clean water





Welcome!

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Thank You!
City of La Center

Agenda

1. **Welcome and Introductions**
2. **East Fork Lewis River Source Assessment Report**
3. **Projects in the East Fork Lewis River**
4. **Facilitated Discussion – Getting to Clean Water**
5. **Break**
6. **Report Out & Next Steps**
7. **Optional Lunch and Tours**



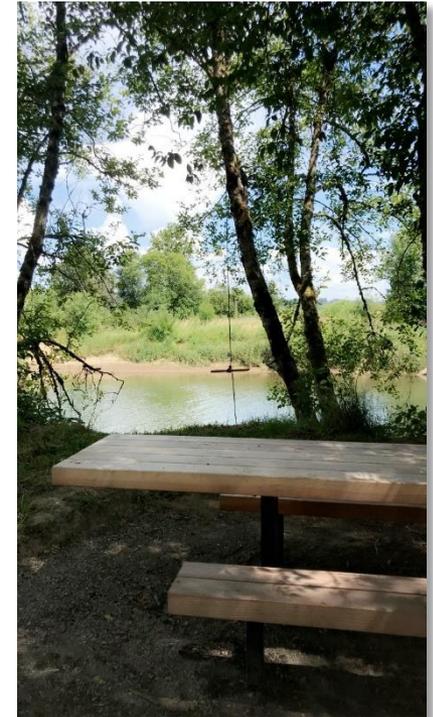
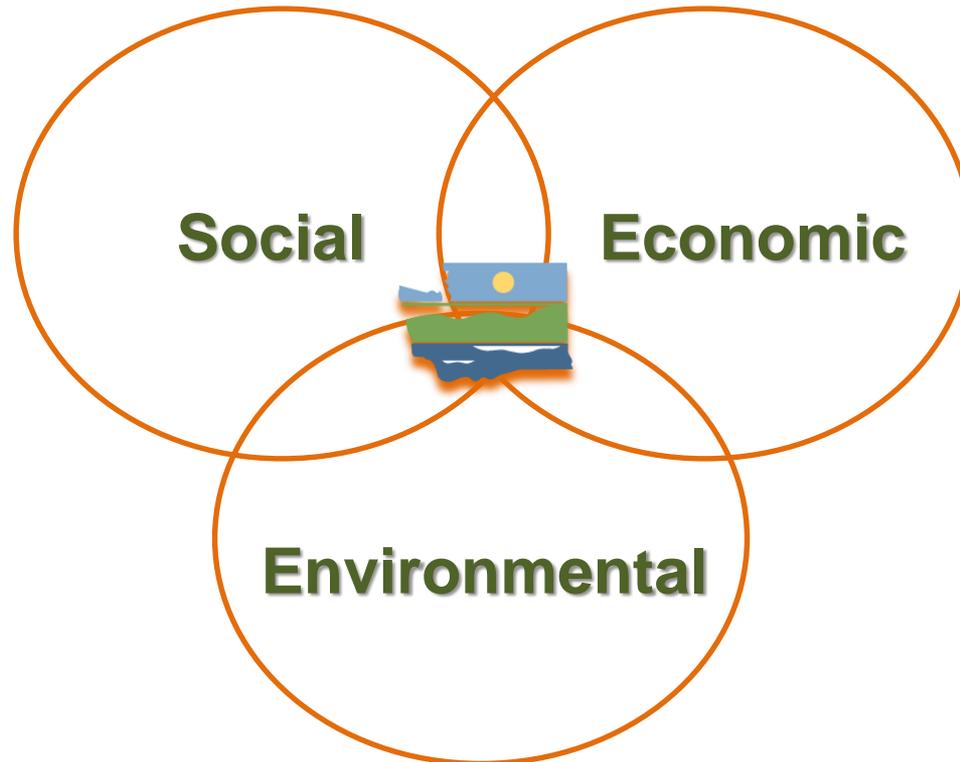
East Fork Lewis River Watershed



- **Clark and Skamania Counties**
- **212 square miles**
- **Variety of Land Uses**
- **Multiple Jurisdictions and Permits**
- **Significant Public Access**



The **East Fork Lewis River** is a *Valuable Natural Resource*



East Fork Lewis River



- **Recreational Use and Enjoyment**
 - Anglers
 - Kayakers
 - Swimmers
 - Hikers
 - Campers
 - Birdwatchers
 - Picnickers
- **Stormwater, Wastewater, Drinking Water**
- **Agriculture**



Water Quality Standards & Beneficial Uses



- **Recreation Uses – Bacteria**

Waterbody Reach	Recreation Uses	Bacteria Criteria
EF Lewis River from mouth to Moulton falls	Primary Contact	Geometric Mean: 100 cfu/100 ml; 10% samples not to exceed 200 cfu/100 ml
EF Lewis River from Moulton Falls to headwaters	Extraordinary Primary Contact	Geometric Mean: 50 cfu/100 ml; 10% samples not to exceed 100 cfu/100 ml

- **Water Quality for Public Health**
Bacteria increases risks to people swimming, wading, or fishing.



Water Quality Standards & Beneficial Uses

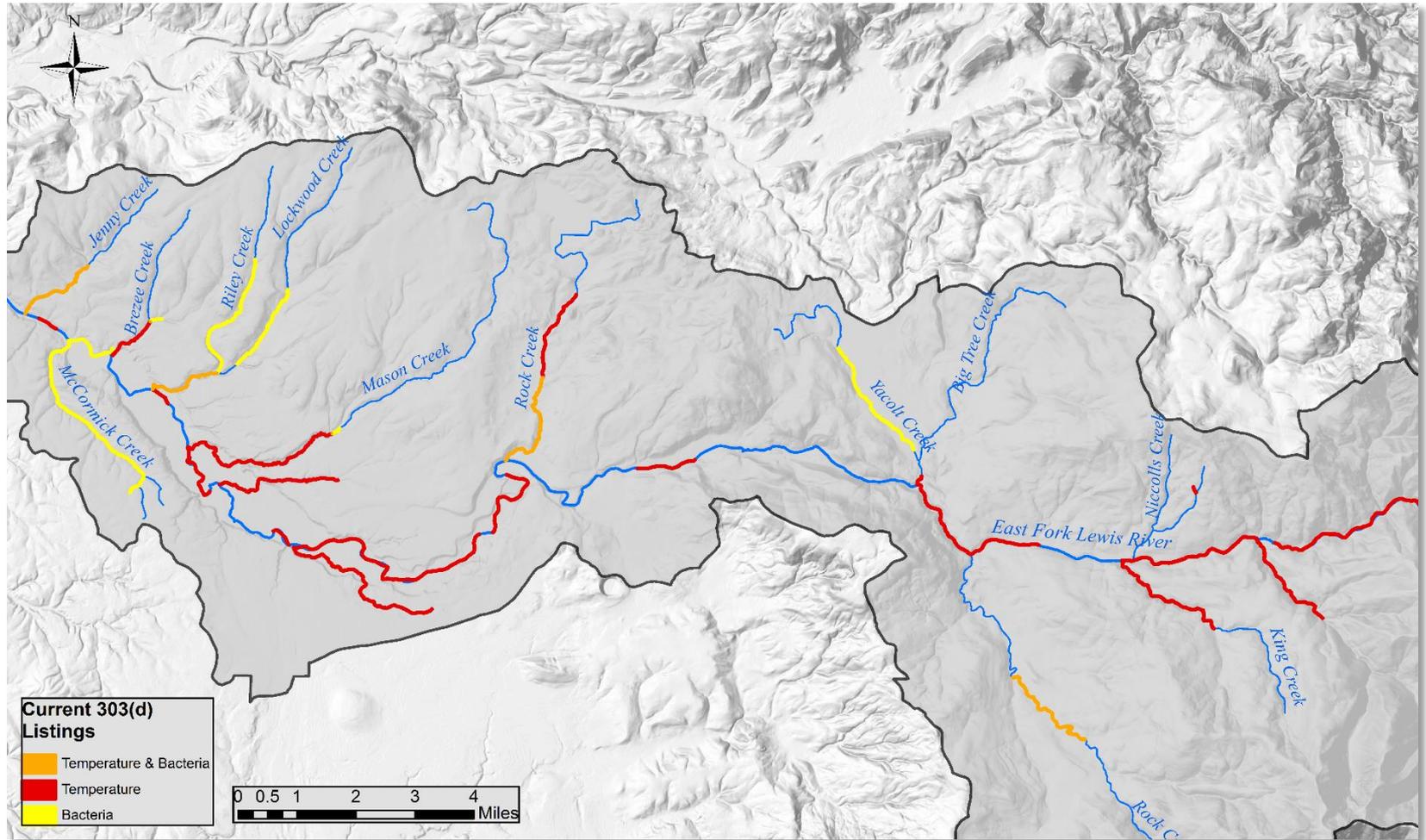
- Aquatic Life Uses – Temperature

Waterbody Reach	Aquatic Life Uses	Temperature Standard Highest 7-DADMax
EF Lewis River	Core Summer Habitat	16.0°C (60.8°F)

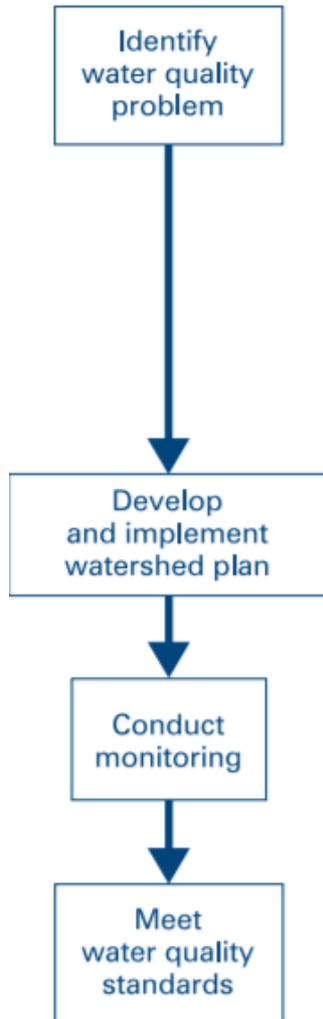
- Water Quality for Environmental Health - High water temperatures create poor conditions for fish and wildlife.



Impairments



Watershed plan is developed in the absence of a completed TMDL. If monitoring indicates WQS attainment, there is no need for a TMDL.



What is a Water Cleanup Plan?

- Watersheds with non-point sources - TMDL Alternative
 - Non-regulatory
 - Voluntary
 - Implementation based
- TMDL Required for Polluted Waters on 303(d) list

East Fork Lewis River TMDL Alternative 9 Element Watershed Plan



- **Build Partnerships**

1. Identify causes and sources
2. Estimate load reductions
3. Describe management measures and critical areas
4. Estimate technical and financial assistance
5. Develop education component
6. Develop a project schedule
7. Establish measurable milestones
8. Identify indicators to measure progress
9. Develop a monitoring plan

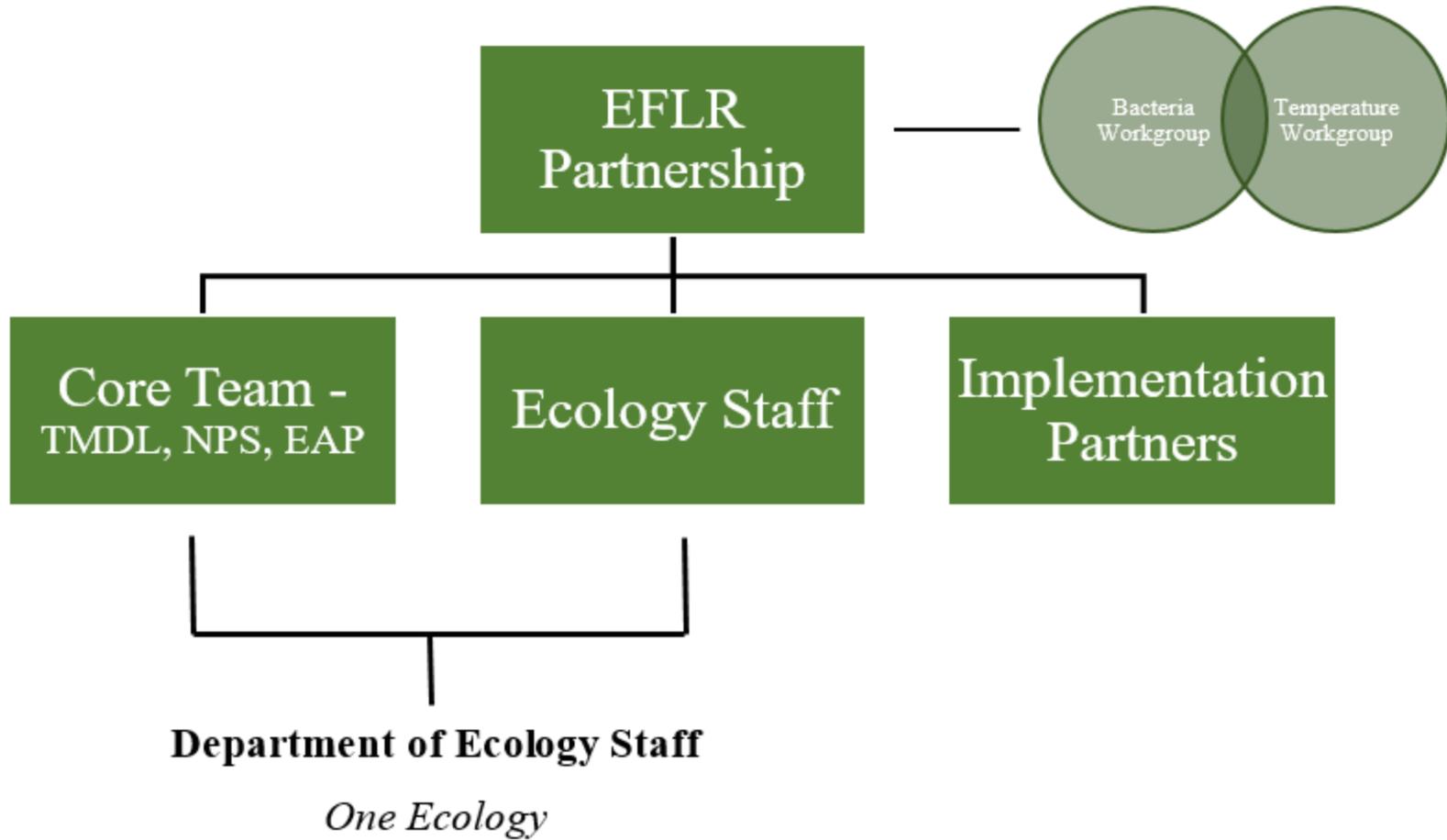


Goals

- 1. Develop project list to address bacteria and temperature issues by Summer 2019**
- 2. Meet water quality standards (WQS) and support all beneficial uses in watershed - in the absence of a traditional TMDL**
- 3. Solidify watershed eligibility for 319 funding**
- 4. Strengthen partnerships**
- 5. Support existing projects and plans**



East Fork Lewis River Partnership



Partnership Principles

SOPs for Success



- **Relationship Building**
- **Mutual Respect**
- **Focus on Future Solutions**
- **Keep Water Quality Central**



30 Second Introductions

- **Who are you?** Name, organization you're representing
- **What do you do?** Involvement in the East Fork Lewis River?



Getting to Clean Water in the East Fork Lewis River



Recommendations

Reduce Fecal Coliform Bacteria and Improve Water Quality



- **Nonpoint source –**
 - **Implement agricultural BMPs**
 - **Continue education and outreach work**
- **Infrastructure –**
 - **Stormwater - Conduct investigative stream walks to identify and sample unknown or unmapped outfalls, pipes, or culverts.**
 - **Wastewater - Fix failing Onsite Septic Systems (OSS).**
- **Priority Areas – Brezee and McCormick Creeks**



Recommendations - Temperature

Restore Riparian and Stream Habitat

- **Natural Resources** – Increase, enhance, protect, and restore.....
 - Wetlands
 - Native Planting
 - Streambanks
 - Channel Complexity
 - Riparian Habitats
 - Natural Flood Plains
 - Cold Water Refugia
 - Instream Habitat Quality
 - Trees Planting
- **Other** - Consider effects of current and future water withdrawals
- **Priority Area** - Large shade deficits in the middle watershed



Facilitated Discussion

With partnership and funding needs in mind,
in the East Fork Lewis River.....

- **Past** - What are some of the historical challenges or barriers related to achieving clean water in the watershed?
- **Present** - What are some of the ongoing challenges, priorities, projects, planning, or implementation efforts in the watershed?
- **Future** - What are some of the next steps, future programs, and projects needed to achieve clean water?
- **Other** - Is there anyone that should be engaged in the partnership that isn't currently at this meeting?



Report Out & Next Steps

Bacteria and Temperature Workgroups



Bacteria and Temperature Workgroups



- **Fall 2018 – Sign up now!**
 - **Workgroup meetings**
 - Impairment specific workgroups
 - Focus on projects, planning, and programmatic solutions
 - Draft implementation actions and strategies
 - Discuss partnership and funding needs



East Fork Lewis River Website

Stay up to date!

Website: <https://ecology.wa.gov/Water-Shorelines/Water-quality/Water-improvement/Total-Maximum-Daily-Load-process/Directory-of-improvement-projects/East-Fork-Lewis-River>



The screenshot displays the Washington Department of Ecology website. The header includes the department logo, navigation links for Regulations & Permits, Research & Data, Site Map, and Contact Us, and a search bar. The main navigation menu features Home, Air & Climate, Water & Shorelines, Waste & Toxics, and Spills & Cleanup. The breadcrumb trail reads: Water & Shorelines > Water quality > Water improvement > Total Maximum Daily Load process > Directory of improvement projects > East Fork Lewis River. A dropdown menu for 'Water quality' is open, showing a list of directory of improvement projects. The 'East Fork Lewis River' project is selected and highlighted. The main content area displays the title 'East Fork Lewis River fecal coliform and temperature source assessment' and a brief description: 'The East Fork Lewis River and its tributaries are listed on the state's polluted waters list for high water temperatures and fecal coliform bacteria problems. Keeping the watershed clean is important because high levels of bacteria increase risks to people swimming, wading, or fishing. Also, high temperatures create poor conditions for fish and other wildlife.' Below this, there are two sections: 'Why is clean water important?' and 'Improving water quality in the East Fork Lewis River will help ensure long-term use and recreational enjoyment of the watershed, while protecting public and environmental health.' A second section states: 'To ensure swimmers and kayakers can safely enjoy the watershed, fecal coliform bacteria levels need to be lowered. Efforts to cool the water are also important to support critical habitat for migratory fish species. The East Fork Lewis River has historically supported Chinook, chum, coho, and steelhead.'



Attend a grant workshop!

- **WQC Applicant Workshop in Lacey**
 - **Date: August 22, 2018**
 - **Time: 9:00 a.m. – 1:00 p.m.**
 - **Location: St. Martin's University**



Thank you!



Optional Lunch

11:30 a.m. – 12:30 p.m. at Sternwheeler Park



Optional Tour

12:00-12:20 p.m. La Center Bottoms with Clark County *(Meet at amphitheater in Sternwheeler Park)*



Optional Tour

12:30-1:30 p.m. La Center Wastewater Treatment Plant *(Meet at amphitheater in Sternwheeler Park)*