

Welcome!

East Fork Lewis River Water Quality Public Town Hall



Goals

- **Raise awareness about water quality in the East Fork Lewis River.**
- **Share information about local environmental programs, projects, and priorities.**
- **Provide landowners with resources to improve water quality on private property.**
- **Answer questions**

Agenda

- **6:00 - 6:10 p.m. – Welcome**
Please sign-in and take a seat!
- **6:10 - 6:40 p.m. – Presentations**
Learn about East Fork Lewis River water cleanup efforts.
- **6:40 - 7:30 p.m. – Q & A**
Public town hall attendees are invited to ask questions. Question and comment cards are available.
- **7:30 - 8:00 p.m. – Open House**
Meet your local environmental partners.
- **8:00 p.m. – Adjourn**

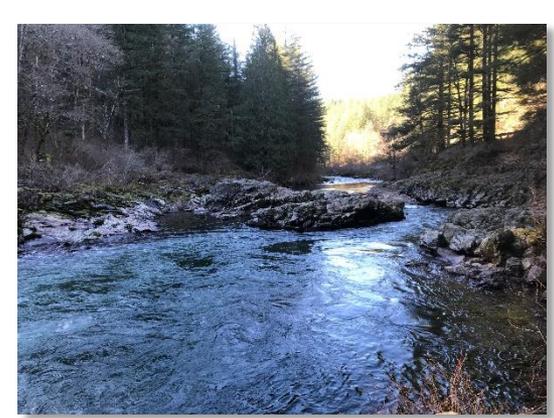
Housekeeping

- **Plenty of time for Q&A!**
 - Please hold your questions and comments until 6:40 p.m.
 - Question and Comment Cards
- **Restrooms**
 - Upstairs
 - Downstairs
- **Safety – Exits**
- **Meeting ends at 8:00 p.m.**

Partnership Principles



- **We all have the same goal in mind!**
 - *Clean water*
 - *Environmental and public health*
- **Relationship Building**
- **Mutual Respect**
- **Understand the History but Focus on the Future**
- **Water Quality – Bacteria and Temperature**



Background East Fork Lewis River Partnership

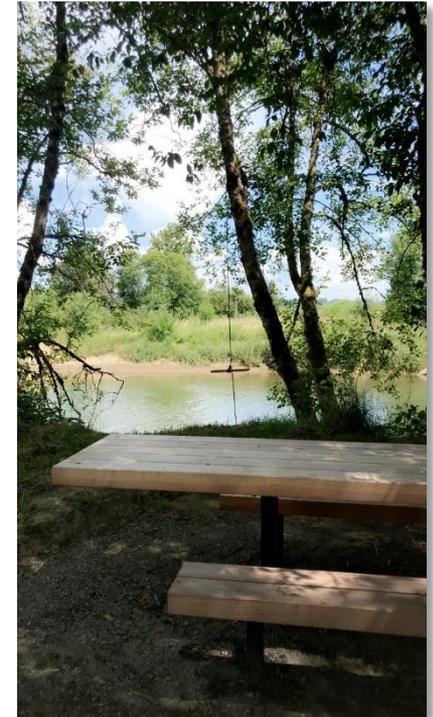
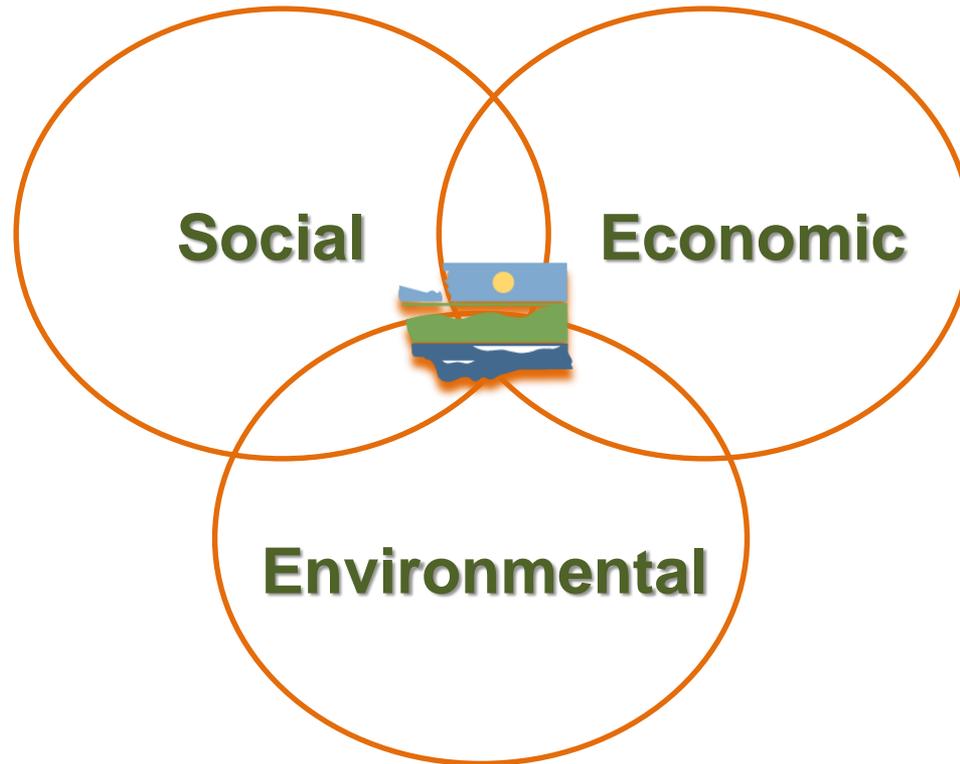


East Fork Lewis River Watershed



- **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**



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.**



Source Assessment



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

Source Assessment Report



May 2018

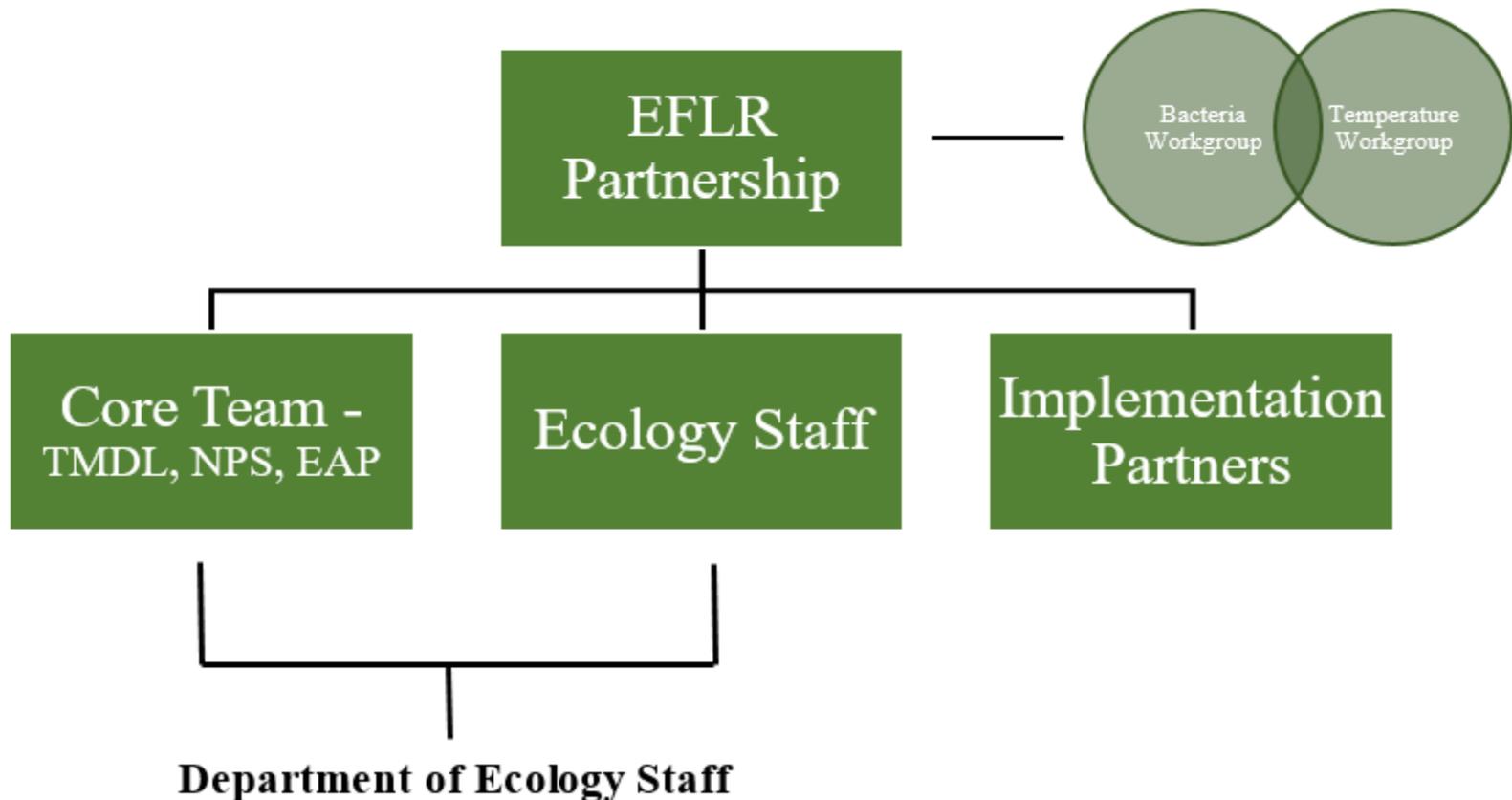
Publication No. 18-03-019

- **Analyzed Water Quality Data**
- **Identified Critical Areas**
- **Implementation Recommendations**

East Fork Lewis River Partnership

Developing a Water Cleanup Plan

Collaboration of local, state, federal, tribal governments, non-profits, watershed groups, private industry, and landowners

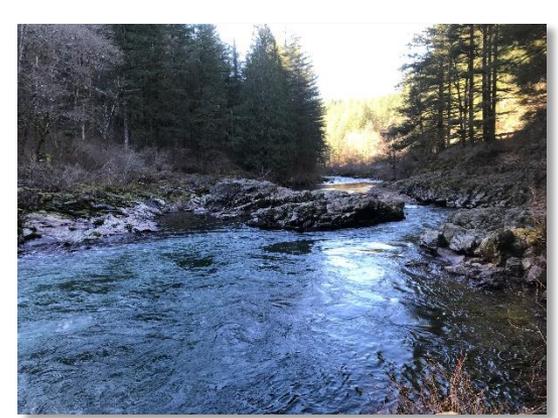


Partnership Recap

~**50** Partners

~**30** Organizations

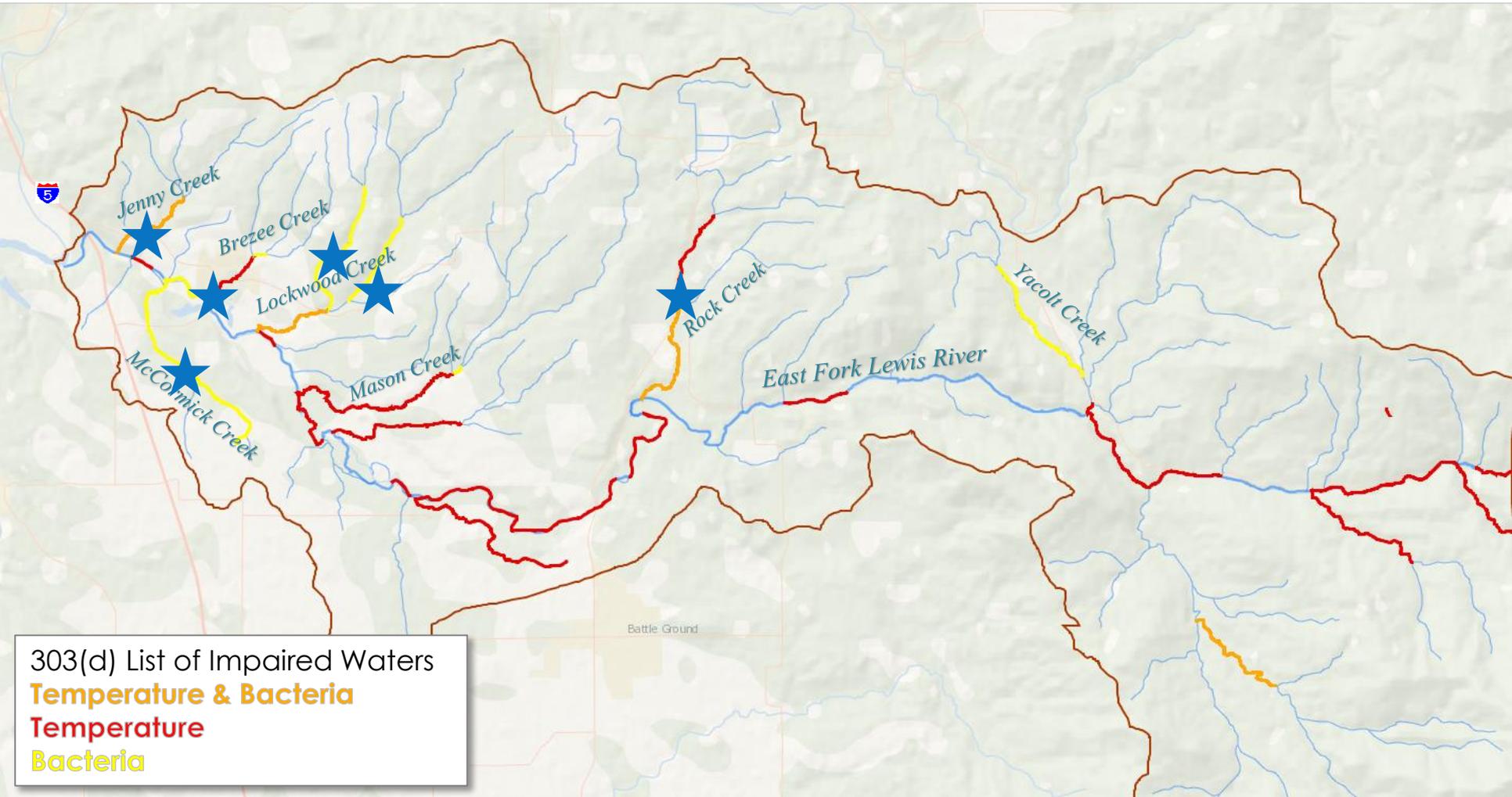




East Fork Lewis River Priorities

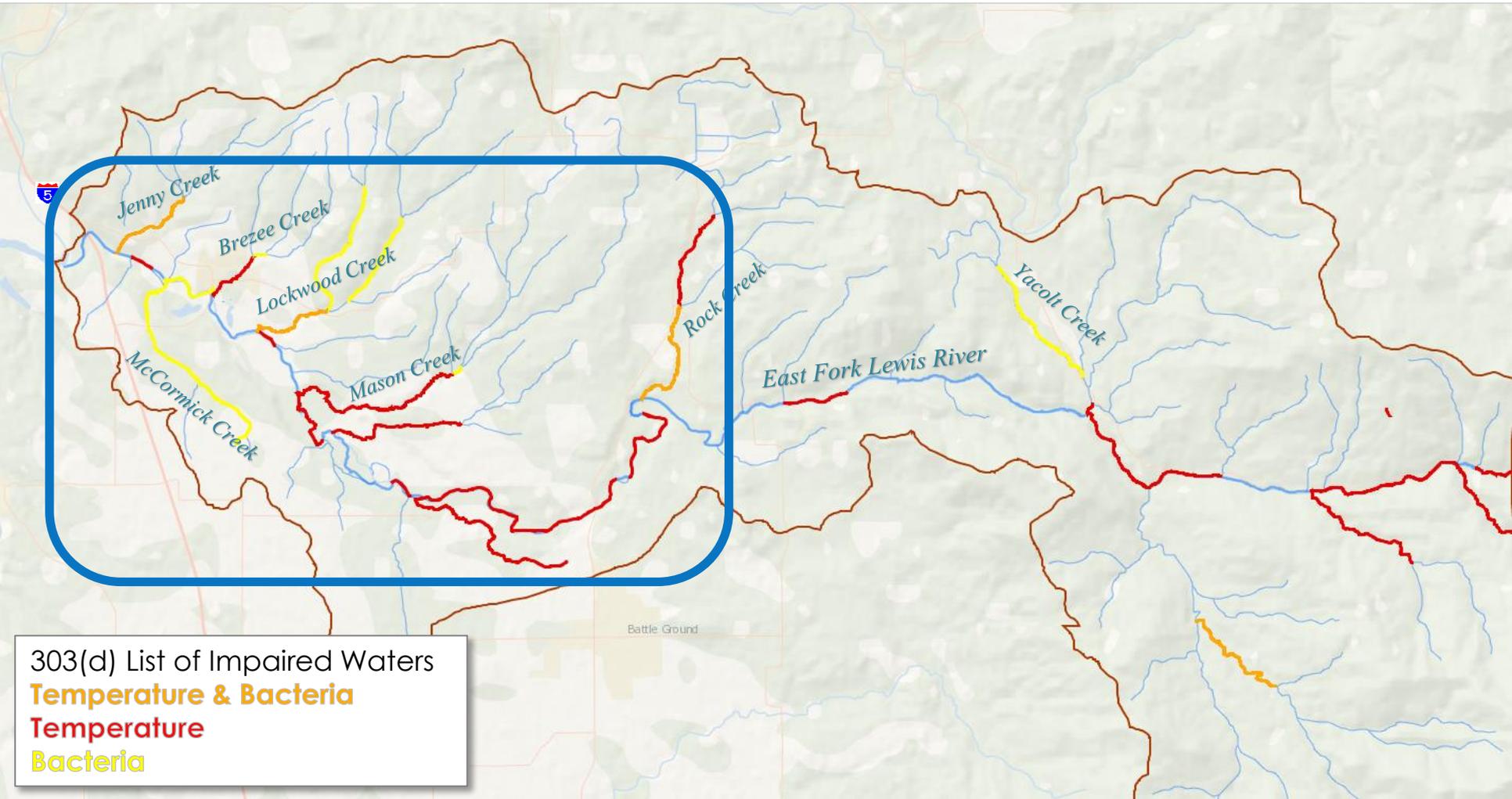


Priority Areas to Address Bacteria

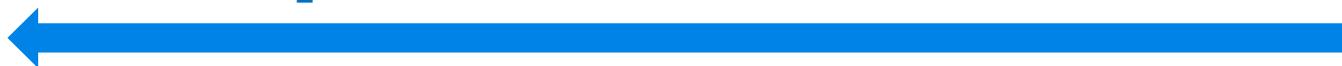


Priorities: Septic Systems and Small Acreage Agriculture / Livestock
Brezee, McCormick, Jenny, Riley, Lockwood, & Rock Creek North

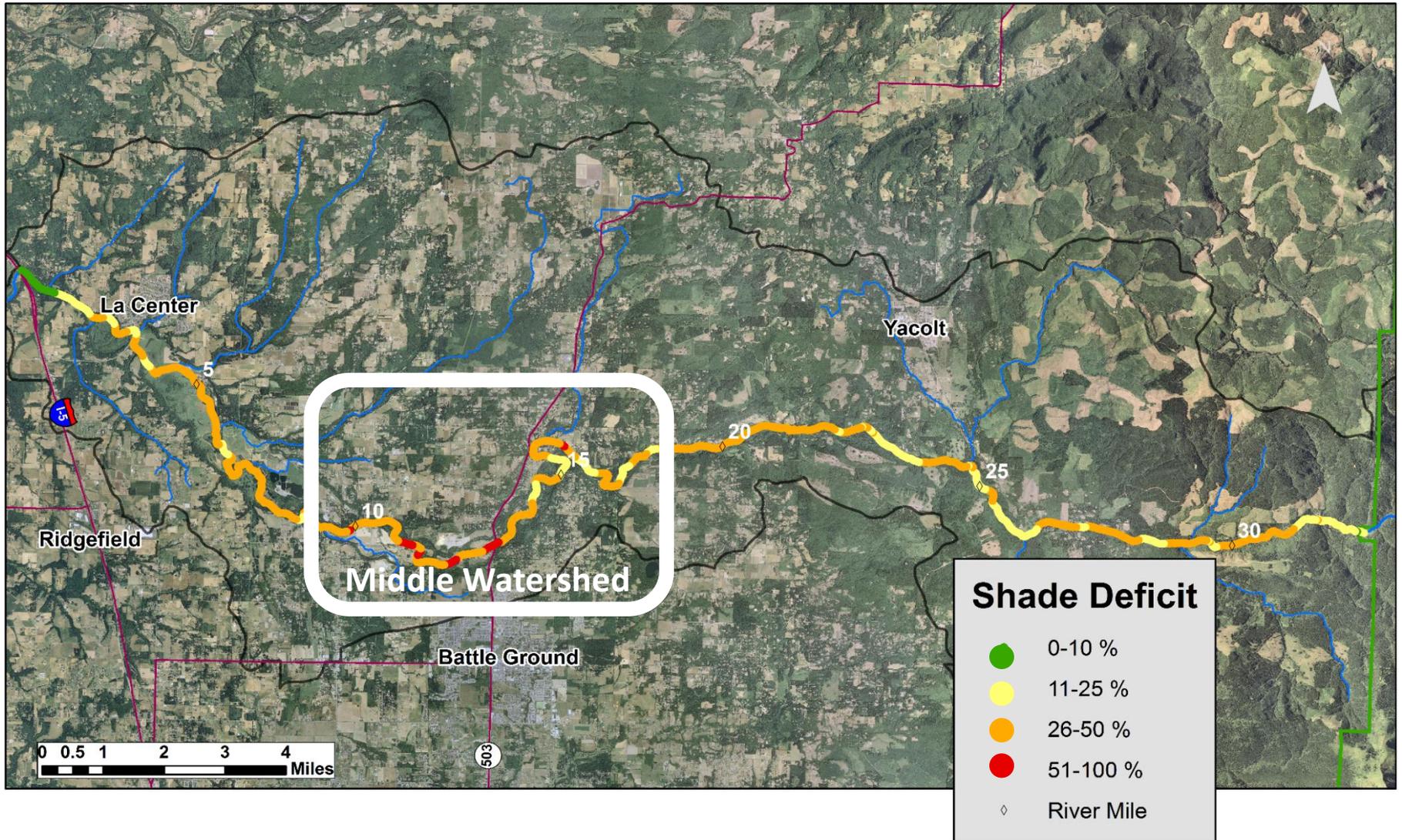
Priority Areas to Address Temperature



Temperatures Increase Downstream



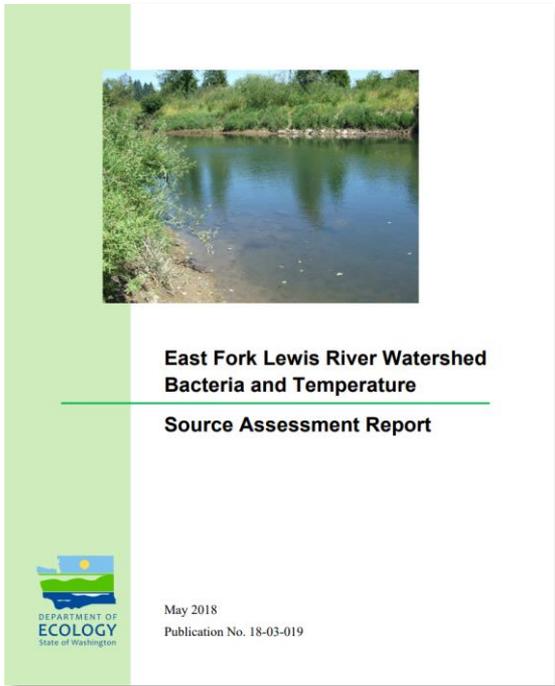
Priority: Increase riparian forested buffer areas in middle and lower watershed.



Highest Shade Deficits = Middle Watershed

Source Assessment to Success

Find and Fix Sources of Pollution



Private Landowner Financial & Technical Assistance

Small Acreage
Agriculture

Septic
Systems

Stream
Plantings

Priority Project & Program Areas

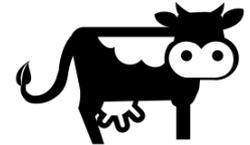
1. Septic Systems

*Outreach, Inspection, Maintenance, Repair
Pollution Identification & Correction*



2. Small Acreage Agriculture

*Conservation Planning, Technical Assistance
BMP Implementation*



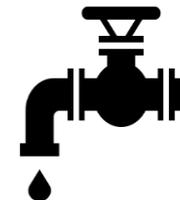
3. Riparian Restoration

Public & Private Lands



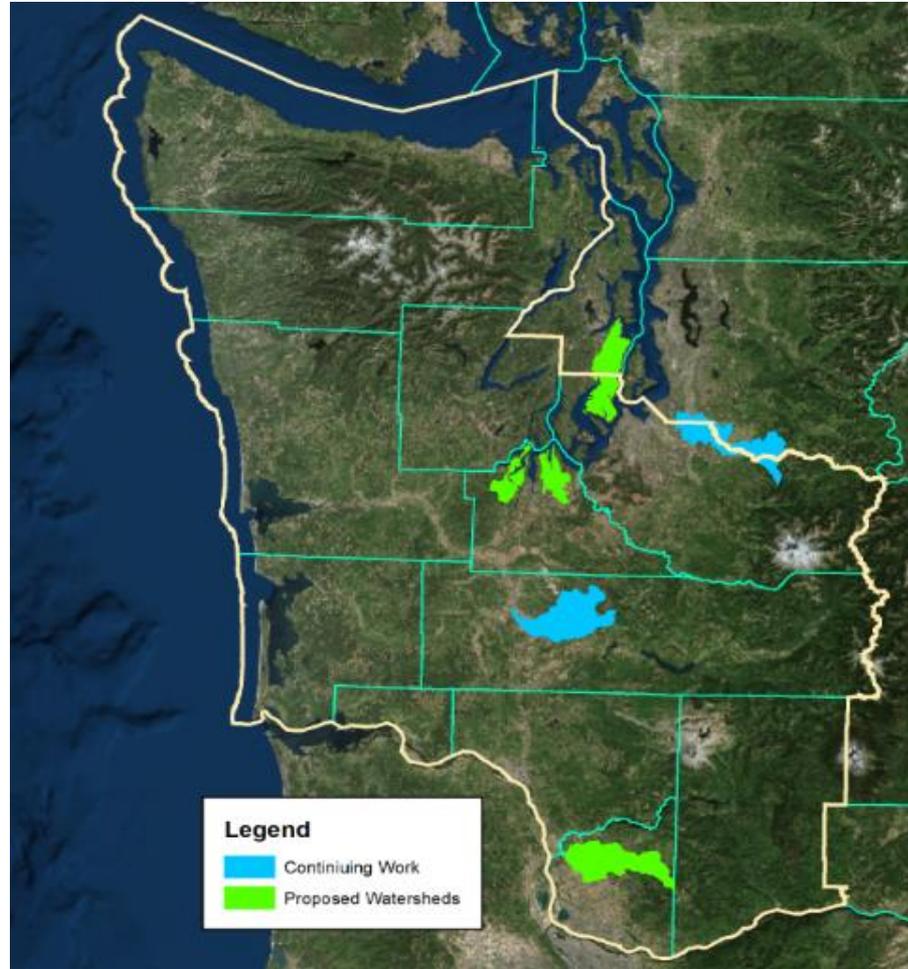
4. Stormwater Management

*Source Tracing, Illicit Discharge Detection & Elimination
Stormwater Management Planning*



Proactive NPS Investigation

From Identification to Implementation



Jennifer Riedmayer & Shawn Ultican, NPS Water Quality Specialists

Outreach & Site Visits



DEPARTMENT OF
ECOLOGY
State of Washington

Department of Ecology
Southwest Regional Office
PO Box 47775
Olympia, WA 98504-7775

Our goal is to work with property owners to improve water quality in the East Fork Lewis River and nearby streams. If you would like help from the Clark Conservation District, please contact Zorah Oppenheimer at (360) 859-4784 or zoppenheimer@clarkcd.org.

You can also contact one of the Washington State Department of Ecology staff:

Jennifer Riedmayer (360) 407-6778 jrie461@ecy.wa.gov
Shawn Ultican (360) 407-6697 sult461@ecy.wa.gov



Thank you for spending time with me to talk about supporting healthy watersheds. I appreciate your efforts, and look forward to working with you in the future.

Please contact me if you have any more questions or concerns.

Jennifer Riedmayer
Water Quality Inspector

360-407-6778
jennifer.riedmayer@ecy.wa.gov

Outreach to Agricultural Landowners

Report Environmental Concerns Online

If you see something, say something!

ecology.wa.gov/ReportAnIssue

Southwest Regional Office

Counties: Clallam, Clark, Cowlitz, Grays Harbor, Jefferson, Mason, Lewis, Pacific, Pierce, Skamania, Thurston, and Wahkiakum

Online: [Southwest region reporting form](#)

Email: swroerts@ecy.wa.gov

Phone: 360-407-6300



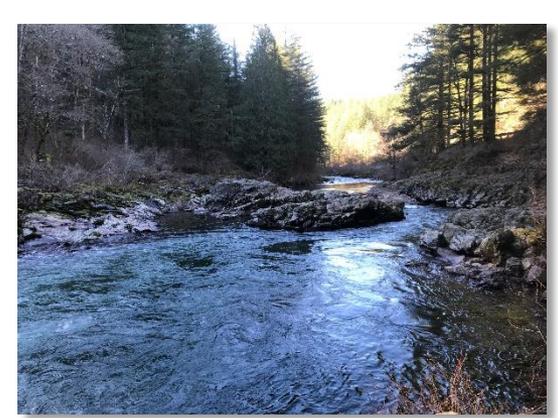
Do you own land in the East Fork?

We need YOU!

- **Septic Systems**
- **Streamside Plantings**
- **Agriculture BMPs**



**Clean water in the East Fork is a shared responsibility,
and will require long-term collaboration!**

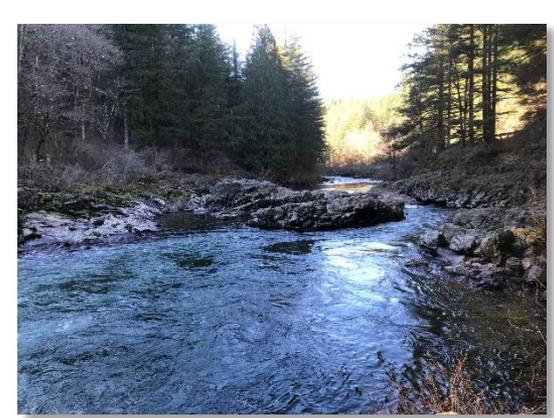


East Fork Lewis River Partners



Partners

- **Clark County Clean Water**
- **Clark County Public Health**
- **Clark Conservation District**
- **Watershed Alliance of Southwest Washington**
- **Washington State University Extension**
- **City of La Center**
- **USDA Farm Service Agency**



Question and Answers 6:40-7:30 p.m.



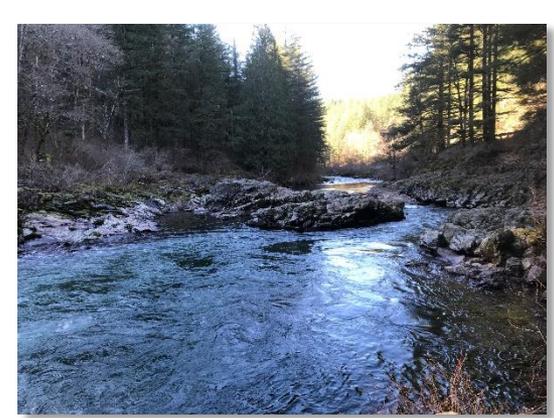
Q & A

- **Question & comment cards.**
- **Ask your question out loud!**
- **Please limit questions or comments to 3 minutes.**
- **Reminder: *stay focused on water quality***
- **Parking Lot**
 - **Questions that cannot be answered or addressed, will be added to the parking lot.**

Partnership Principles



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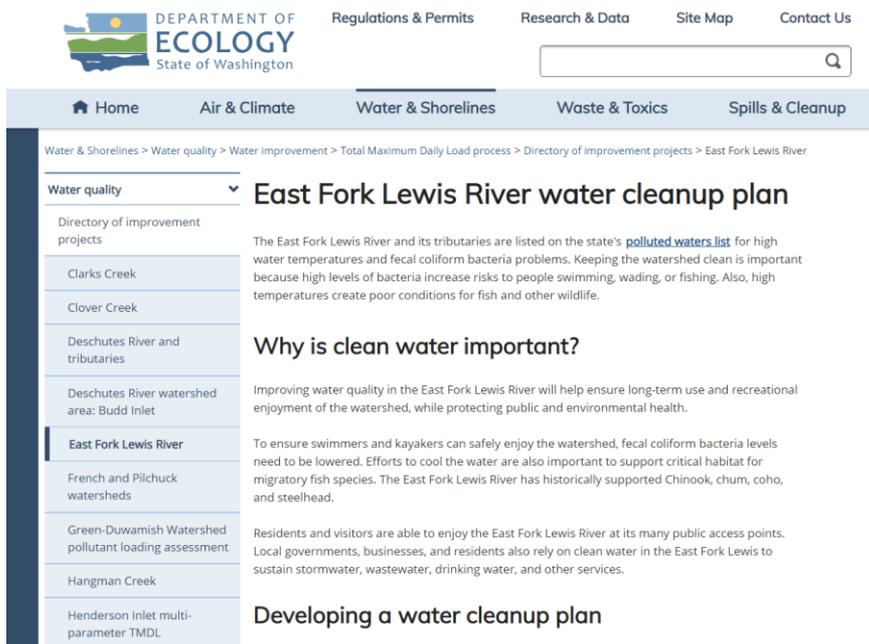


Open House
7:30-8:00 p.m.



East Fork Lewis River Website

Stay up to date!



DEPARTMENT OF ECOLOGY
State of Washington

Regulations & Permits Research & Data Site Map Contact Us

Home Air & Climate Water & Shorelines Waste & Toxics Spills & Cleanup

Water & Shorelines > Water quality > Water improvement > Total Maximum Daily Load process > Directory of improvement projects > East Fork Lewis River

Water quality

- Clarks Creek
- Clover Creek
- Deschutes River and tributaries
- Deschutes River watershed area: Budd Inlet
- East Fork Lewis River**
- French and Pilchuck watersheds
- Green-Duwamish Watershed pollutant loading assessment
- Hangman Creek
- Henderson Inlet multi-parameter TMDL

East Fork Lewis River water cleanup plan

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.

Why is clean water important?

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.

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.

Residents and visitors are able to enjoy the East Fork Lewis River at its many public access points. Local governments, businesses, and residents also rely on clean water in the East Fork Lewis to sustain stormwater, wastewater, drinking water, and other services.

Developing a water cleanup plan



Department of Ecology
Committees, Boards, and Workgroups

Overview View our committees

East Fork Lewis River Partnership

East Fork Lewis River Partnership

for clean water



[Return to Department of Ecology website](#) | [East Fork Lewis River webpage](#) | [East Fork Lewis River Watershed Bacteria and Temperature Source Assessment Report](#) | [Learn more about the East Fork Lewis River Partnership today!](#)

ecology.wa.gov/eastforklewisriver



Thank You!

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