Burnt Bridge Creek
Kickoff Meeting
Source Assessment and TMDL Alternative Restoration Plan
Southwest Regional Office
VFO Staff Working for SW Washington

Vancouver Field Office Team

Rian Sallee
VFO Manager

Dana Mocca
VFO Secretary

**Spill Prevention**

Ken Esplin
Facility Prevention Engineer

Vacant
Vessel and Oil Transfer Inspector

**Toxics Cleanup**

Craig Rankine
Cleanup Site Manager
Hydrogeologist

**Water Quality**

Dave Mora
Municipal Stormwater Grants Manager

Jessica McConnell
Sand & Gravel / Winery Permit Manager

Noosheen Pouya
Municipal Stormwater Permit Planner

**Spill Response**

Curt Piesch
Response Team

Ben Cornell
Response Team

**Shorelands & Environmental Assistance**

Miranda Adams
Shorelands & Wetlands Specialist

Devan Rostorfer
TMDL Coordinator

**Forest & Fish**

Jason Lenz
Forest & Fish

**Senior Construction**

Greg Benge
Senior Construction Stormwater Inspector
Meeting Objectives

1. Provide an overview of Ecology’s TMDL process
2. Present results from the *Burnt Bridge Creek Source Assessment*
3. Discuss implementation opportunities and challenges.
4. Discuss next steps and project timeline.
Agenda

1. **Overview of process**  1:05 – 1:20 p.m.

2. **Burnt Bridge Creek Source Assessment**  1:20 – 1:50 p.m.

3. **Discussion**  1:50 – 2:25 p.m.

4. **Next Steps**  2:25 – 2:50 p.m.

5. **Final questions and meeting wrap-up**  2:50 – 3:00 p.m.
How to Participate

How to Mute and Unmute

Camera

Video
OFF
1. Select who you wish to speak to
2. An Ecology staff person can read your typed questions.
3. Your questions or comments will be addressed during the meeting --OR--
4. We will collect unanswered questions in an email a response.
Having Trouble with Webex?

• **Step 1:**
  • Logout of meeting, and log back in using registration link.

• **Step 2:**
  • Connect to audio using phone number.
    • +1-415-655-0001 US Toll
    • +1-206-207-1700 United States Toll (Seattle)
    • Access code: 240 323 92
Welcomes & Introductions

• Name, Title, Department
Overview of Source Assessment and TMDL Process
Burnt Bridge Creek

State’s Polluted Waters List - 303d list

- Bacteria, Temperature, pH, and Dissolved Oxygen
Burnt Bridge Creek

TMDL = Total Maximum Daily Load

“How much of a pollutant can the creek receive and still meet water quality standards?”

TMDL study steps

1. Water quality monitoring and assessment
2. TMDL study
3. TMDL implementation plan
Burnt Bridge Creek Source Assessment

TMDL Study - Source Assessment

- Identify critical areas
- Identify shade deficits
- Bacteria load reductions needed
- Implementation recommendations
TMDL Alternative

TMDL Implementation Plan - TMDL Alternative Restoration Plan

- Identify BMPs needed to address pollutant sources
- EPA’s Nine Minimum Elements
- Funding
### Environmental Protection Agency's
Nine minimum elements for watershed plans

<table>
<thead>
<tr>
<th>Element</th>
<th>Watershed Planning Step</th>
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<tbody>
<tr>
<td>1</td>
<td>Identify causes of impairment and pollutant sources.</td>
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<tr>
<td>2</td>
<td>Estimate load reductions needed.</td>
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<td>3</td>
<td>Describe nonpoint source implementation to achieve load reductions.</td>
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<td>4</td>
<td>Estimate technical and financial assistance needed.</td>
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<td>5</td>
<td>Develop information and education component.</td>
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<td>6</td>
<td>Develop implementation schedule.</td>
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<td>7</td>
<td>Develop milestones and targets.</td>
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<td>8</td>
<td>Develop criteria to measure progress.</td>
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<td>9</td>
<td>Monitor to evaluate effectiveness of implementation efforts.</td>
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Achieve Clean Water

Meet Water Quality Standards

Support Beneficial Uses For People, Fish, and Wildlife
If water quality standards are not achieved through the Source Assessment and TMDL Alternative a Total Maximum Daily Load (TMDL) study will be required in the Burnt Bridge Creek watershed.
Questions?
Burnt Bridge Creek
Source Assessment
Sheelagh McCarthy, Hydrogeologist,
Environmental Assessment Program.
Ecology’s TMDL work in Clark County
East Fork Lewis River Partnership

- East Fork Lewis River Source Assessment, 2018
- East Fork Lewis River Water Cleanup Plan, 2020
Goal! Find & Fix Bacteria Sources

- Investigative water quality monitoring and source tracing
- Outreach
- Private landowner technical assistance
- Agricultural implementation
- Septic system inspection, maintenance, and repair
- Canines for Clean Water
- Stormwater IDDE
Ecology’s recent work in Clark County

- **East Fork Lewis River, 2017-2020**
- **Burnt Bridge Creek, 2019-2022**
- **Lacamas Creek, 2021-2024**
Discussion
Questions

1. What are some expected pollutant sources?

2. Are there priority areas that we should focus?

3. What are some implementation opportunities?

4. Are there active or upcoming projects and programs that can help address water quality impairments?
Questions

5. Are there opportunities to align operations, maintenance, and implementation with water quality priorities?

6. How should we consider point source discharges (facilities) in the Water Cleanup Plan?

7. What are some challenges and limitations?
Next Steps
DRAFT Timeline

- **February 2021**: Burnt Bridge Creek Kickoff.
- **June 2021**: Complete research, information gathering, stakeholder engagement, and public involvement.
- **December 2021**: Complete Draft Burnt Bridge Creek Water Cleanup Plan.
- **January 2022**: Draft Plan for internal review and comment.
- **February 2022**: Draft Plan for external review and public comment.
- **Spring 2022**: Complete public comment period and address comments.
- **Summer 2022**: Final Burnt Bridge Creek Water Cleanup Plan published.
Stakeholder Engagement

• Key stakeholders.
• Public involvement.
• Burnt Bridge Creek Partnership.
Logistics

- Meeting frequency.
- Communication preferences.
  - Email
  - Website
  - Ezview
- Annual Reports
Information to be developed

• Implementation priorities, goals, and actions.

• Milestones, targets, and implementation timeline.

• Criteria to measure progress.

• Cost estimates for implementation.

• Public education and outreach strategy.

• Monitoring plan – investigative and effectiveness.

• Implementation tracking.
Final Questions?
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