# Welcome!

Buffalo Flats Floodplains Restoration Project Focus Group Meeting 2

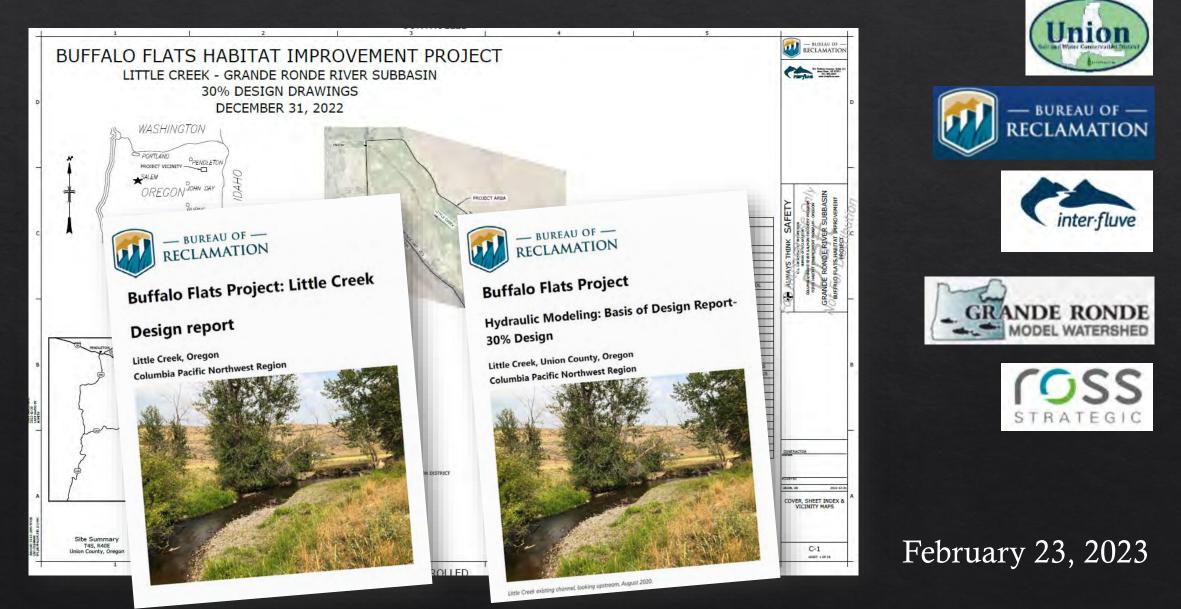
February 23, 2023

Members of the public will remain in observer/listen-only mode.

If you are a focus group member who has joined through the livestream link, please email Tess Wendel at <u>twendel@rossstrategic.com</u> for Zoom instructions.



Buffalo Flats Floodplain Planning Project Focus Group Meeting #2



#### Purpose of the Focus Group

To engage a diverse group of people in focused project-specific discussions, and individually and collectively provide insight, input, values, and feedback to the project sponsor.

Members also serve as a conduit for information to and from affiliated organizations and community members to help ensure community issues, concerns, and/or needs are shared during meetings.

(from Buffalo Flats Public Outreach Plan, March 2021)

#### Purpose for the Meeting

- 1. Provide an overview of the 30% Conceptual Design for the Little Creek portion of the Buffalo Flats Floodplain Restoration Project and enable Q&A and feedback
- 2. Provide an update on the Catherine Creek portion of the project and enable Q&A and feedback
- 3. Share the next steps for the process, including future opportunities for Focus Group engagement, and Q&A and feedback

# Agenda

6:30 PM	Welcome, Purpose, and Introductions	Jim Webster, Project Sponsor			
6:40 PM	Meeting Framing	Susan Hayman, Facilitator			
6:50 PM	Overview: Little Creek's 30% Conceptual Design	Jim Webster Matt Cox, Inter-Fluve			
7:40 PM	Break (light refreshments)				
7:50 PM	Update: Catherine Creek	Jim Webster			
8:15 PM	Project Next Steps and Closing Remarks	Jim Webster, Focus Group			
8:30 PM	Adjourn				



- 1. Actively listen to and appreciate the diversity of views and opinions
- 2. Focus on issues and assume positive intent
- 3. Participate constructively
- 4. Behave respectfully
- 5. Enable the facilitator to guide the group process

Overview: Little Creek's 30% Conceptual Design

#### Project Context



Buffalo Flats Planning Area



Map created and copyrighted by Christopher Moats Union Soil and Water Conservation District 17DEC2019

The Union Soil and Water Conservation District makes no representation or warranties, implied or expressed, concerning the accuracy, completeness, reliability, or suitability for any purpose of the information and data contained on this document.

#### Legend

- CatherineCreek
- ---- LittleCreek
- So.Cross Project boundary ProjectArea

1 inch = 2,210 feet

#### Southern Cross Property



#### 268 Acres of meadow

- Historic floodplain
- Irrigated pasture

#### Over 3 miles of stream channel

- Catherine Creek
- Little Creek

#### Water Quality Concerns

- Stream Temperature
- Sediment composition

#### Fish Species of Concern

- Summer steelhead
- Spring Chinook salmon
- Bull trout

## Buffalo Flats Project Goals

Enhance and restore aquatic and floodplain habitat conditions and increase habitat diversity and complexity for salmonids;

Improve water quality conditions (temperature and sediment) for salmonids, other native fish, and wildlife;



Promote conditions for restoring ecological function and improving soil health within the project area;



Improve riparian corridor and floodplain vegetative diversity and function within the project area;



Reconnect both Catherine Creek and Little Creek with their associated floodplains and expand quality floodplain habitat availability for salmonids within the project boundaries;



Increase streambank and floodplain storage of water and ice; thereby, increasing the potential for attenuating flows, and reducing ice formation within the project reach.

#### Southern Cross, Spring 2017











EARLY STAGES Determine Project Feasibility • Feasibility studies (e.g., ODOT feasibility of moving Highway 203)	<section-header><list-item><list-item><list-item></list-item></list-item></list-item></section-header>	30% DESIGN Refine Preferred Alt. • Model and assess preferred alternative • Permitting agency review • Community information	80% DESIGN Submit Permit Applications • Develop permit- ready designs • Permitting agency design review • Public consultation	<ul> <li>100% DESIGN</li> <li>Receive Permitting</li> <li>Agency Approvals</li> <li>Develop</li> <li>construction-ready</li> <li>plans</li> <li>Final permitting</li> <li>agency comments</li> <li>Public Consultation</li> </ul>	<section-header><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></section-header>	
	Summer 2024					
CATHERINE CREEK						

Project Sponsor: Union Soil & Water Conservation District

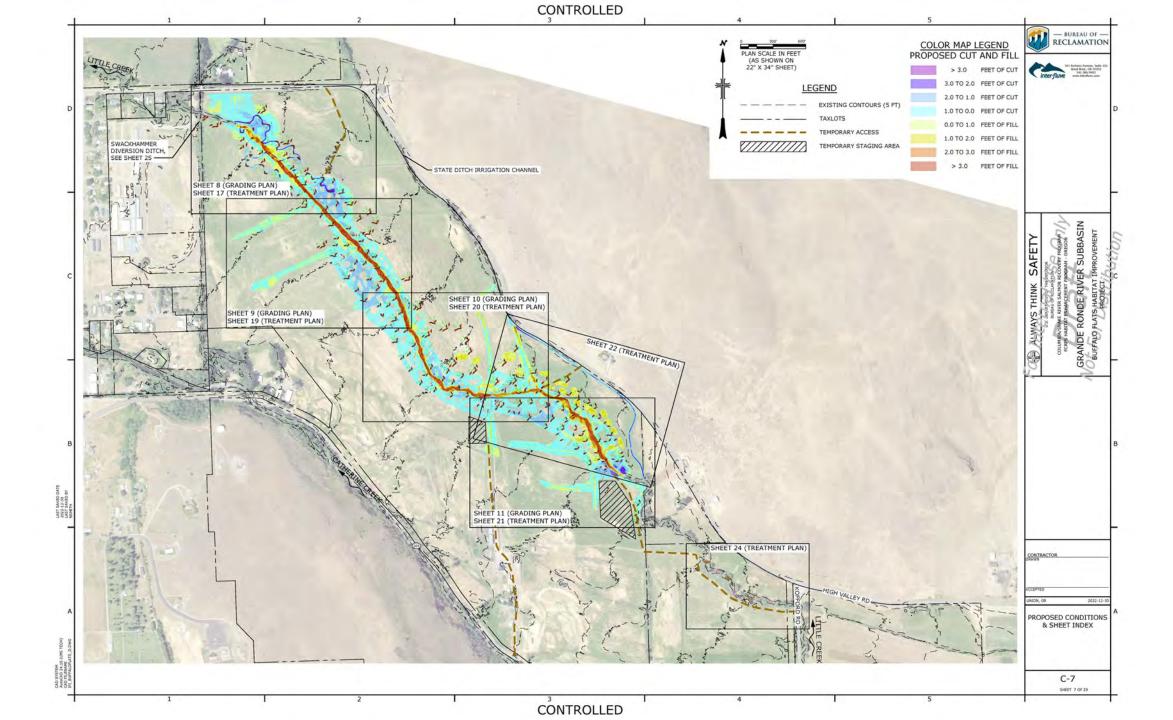
Updated December 2022

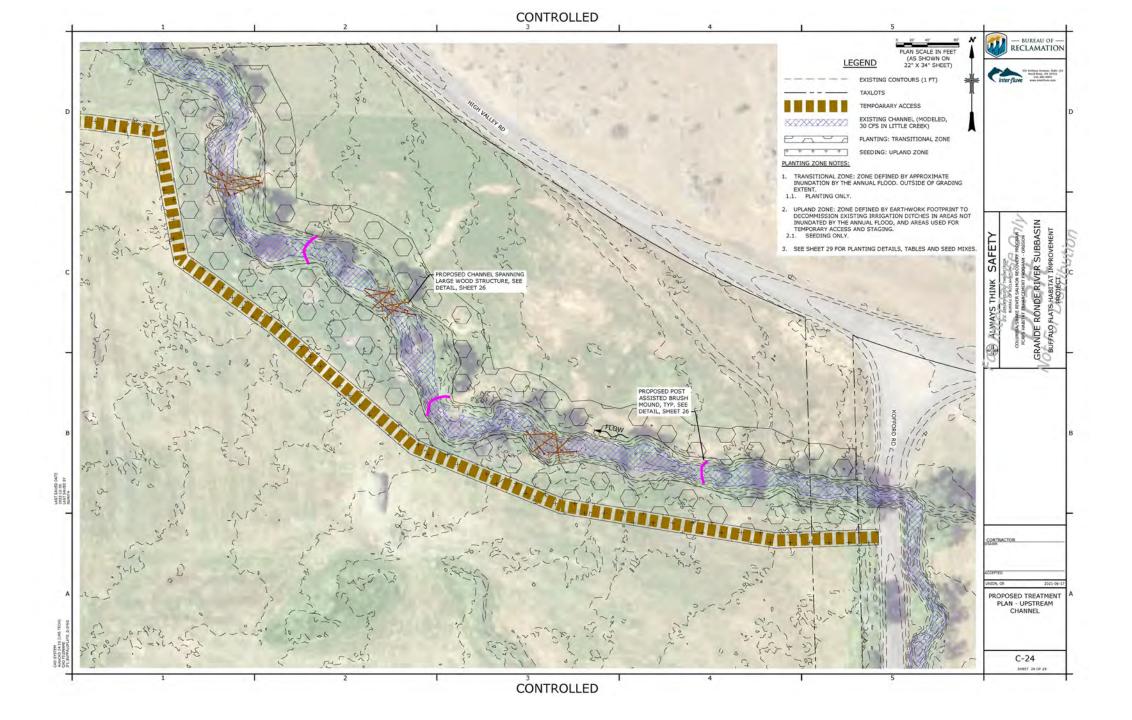
#### 30% Conceptual Design Package

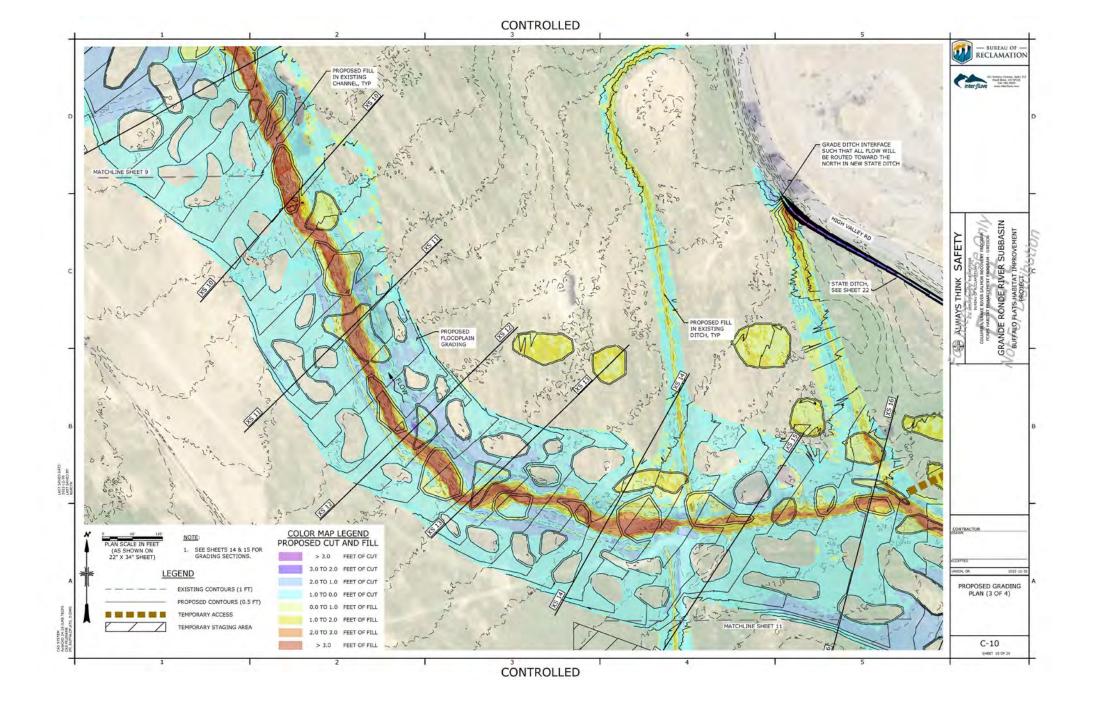
### **Regulatory Requirements**

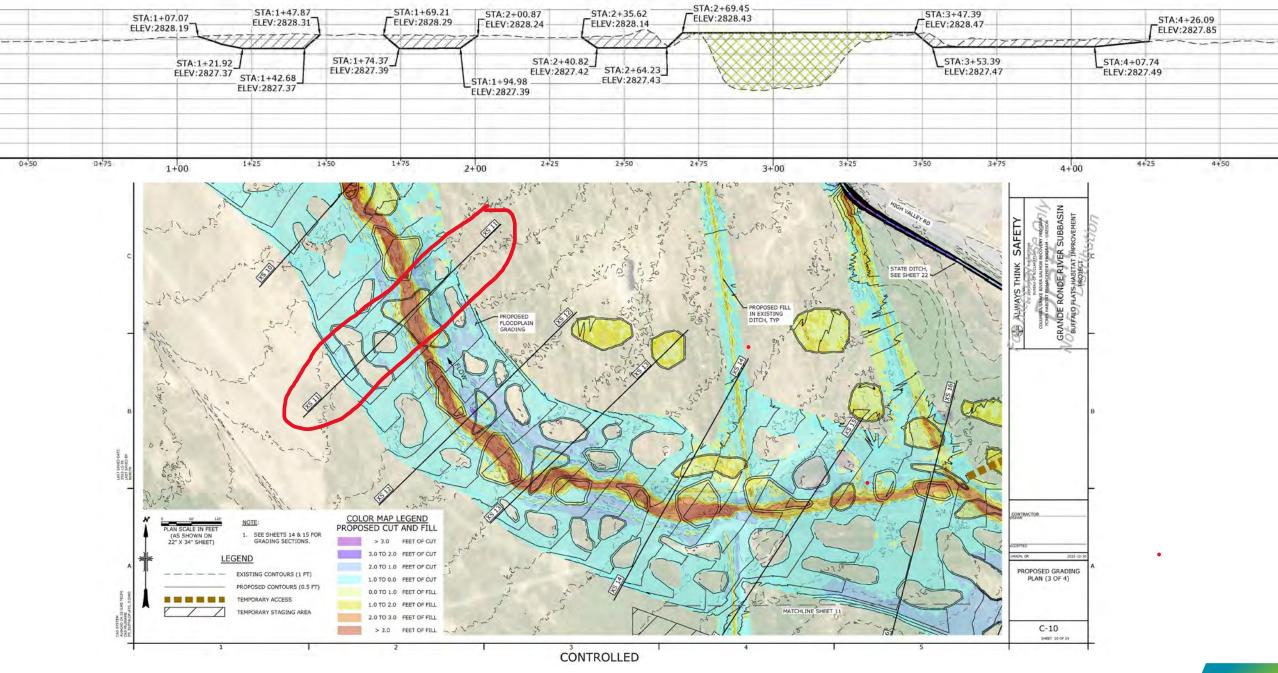
- Federal Emergency Management Agency (FEMA)
  - Defined flood hazard zone in project area and City of Union
  - $\,\circ\,$  FEMA review for base flood conditions
- Risk-Based Design Guidelines (Reclamation 2014) for Large Wood Design
- Union County Planning Department Land Use Regulations
- City of Union Submit data for watercourse and floodplain alterations (Ord. 153.30 153.34)
- **State** Division of State Lands (DSL), Dept of Environmental Quality (DEQ)
- Federal Endangered Species Act (ESA), National Historic Preservation Act Sec 106, National Enviro Policy Act (NEPA), Clean Water Act 401 & 404

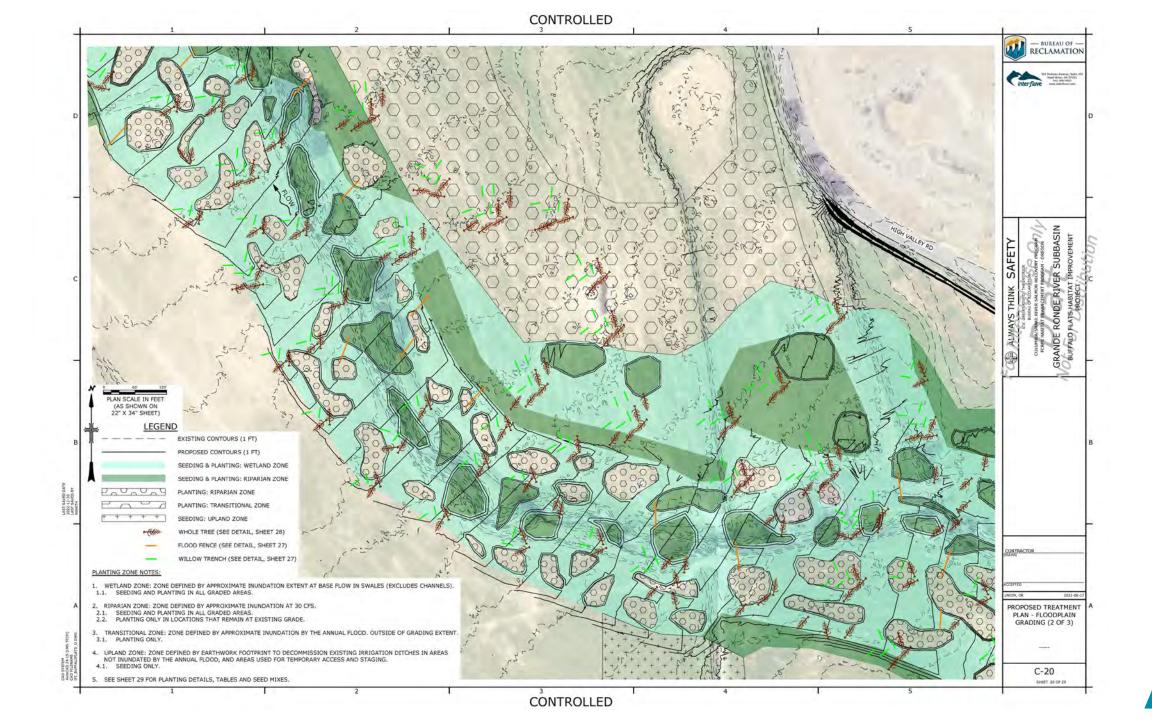


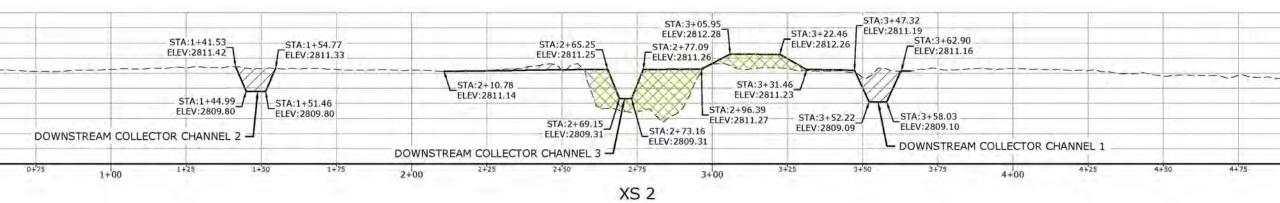


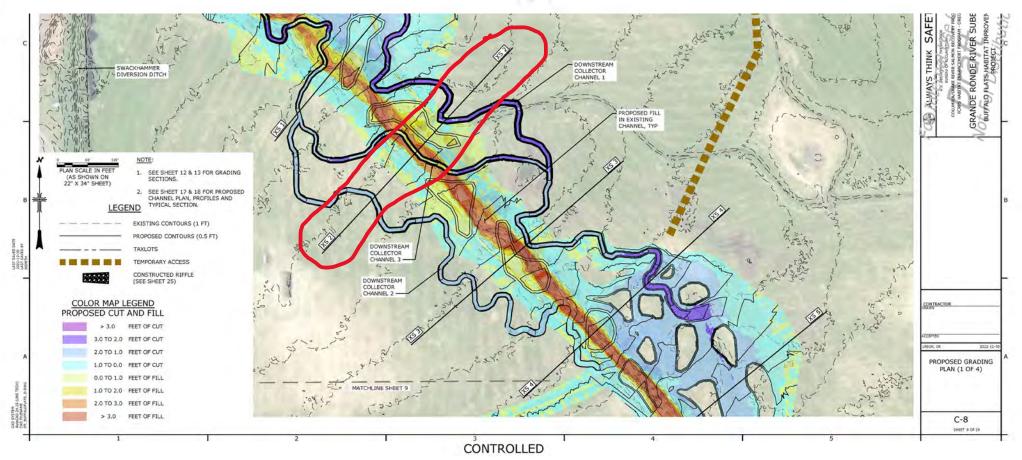


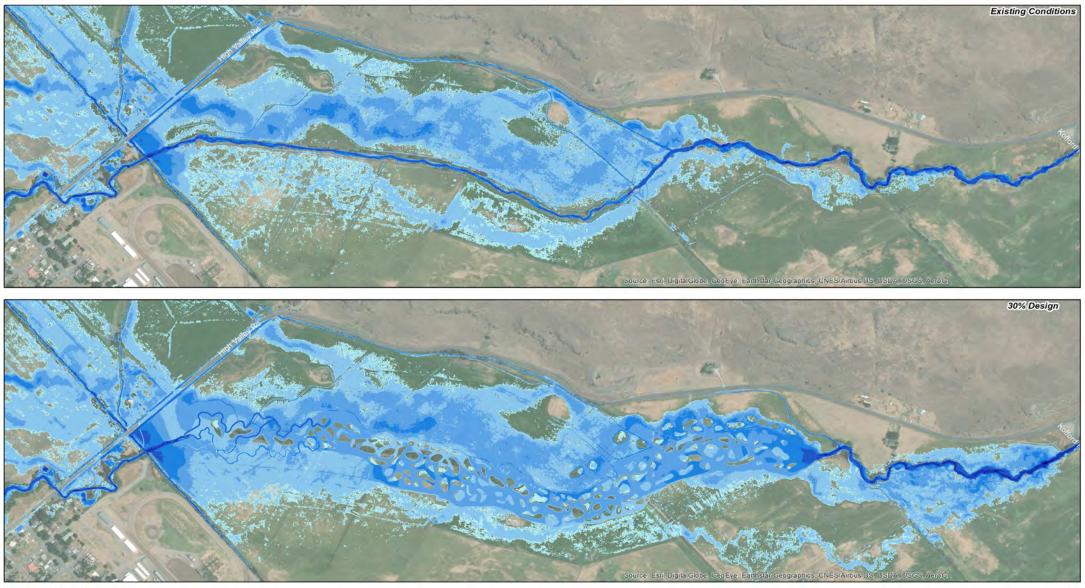






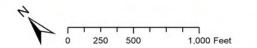






Modeled Depth (ft)





Buffalo Flats 30% Design

Modeled Depth: Existing and Proposed Conditions 100-year Flood (514 cfs)

# Questions/Feedback



Update: Catherine Creek Project Draft Sketch Road alignment concepts

For discussion only



Project Next Steps and Closing Remarks

EARLY STAGES Determine Project Feasibility • Feasibility studies (e.g., ODOT feasibility of moving Highway 203)	<section-header></section-header>	30% DESIGN Refine Preferred Alt. • Model and assess preferred alternative • Permitting agency review • Community information	80% DESIGN Submit Permit Applications • Develop permit- ready designs • Permitting agency design review • Public consultation	<ul> <li>100% DESIGN</li> <li>Receive Permitting</li> <li>Agency Approvals</li> <li>Develop</li> <li>construction-ready</li> <li>plans</li> <li>Final permitting</li> <li>agency comments</li> <li>Public Consultation</li> </ul>	<section-header></section-header>
	Summer 2024				
		CATHERIN	E CREEK		Date TBD

Project Sponsor: Union Soil & Water Conservation District

Updated December 2022

## Thank you for attending!

- Project website: <u>http://buffalo-flats.org</u>
- Project Contact: Jim Webster jwebster@unionswcd.org



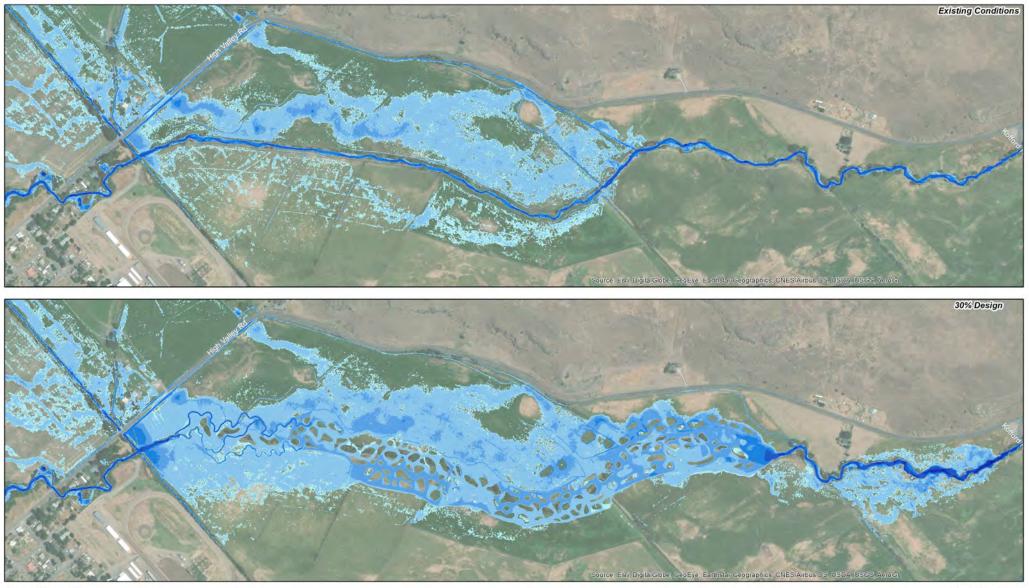
# Backup Slides (if needed)

# Looking Northwest



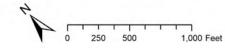
## Looking Southeast





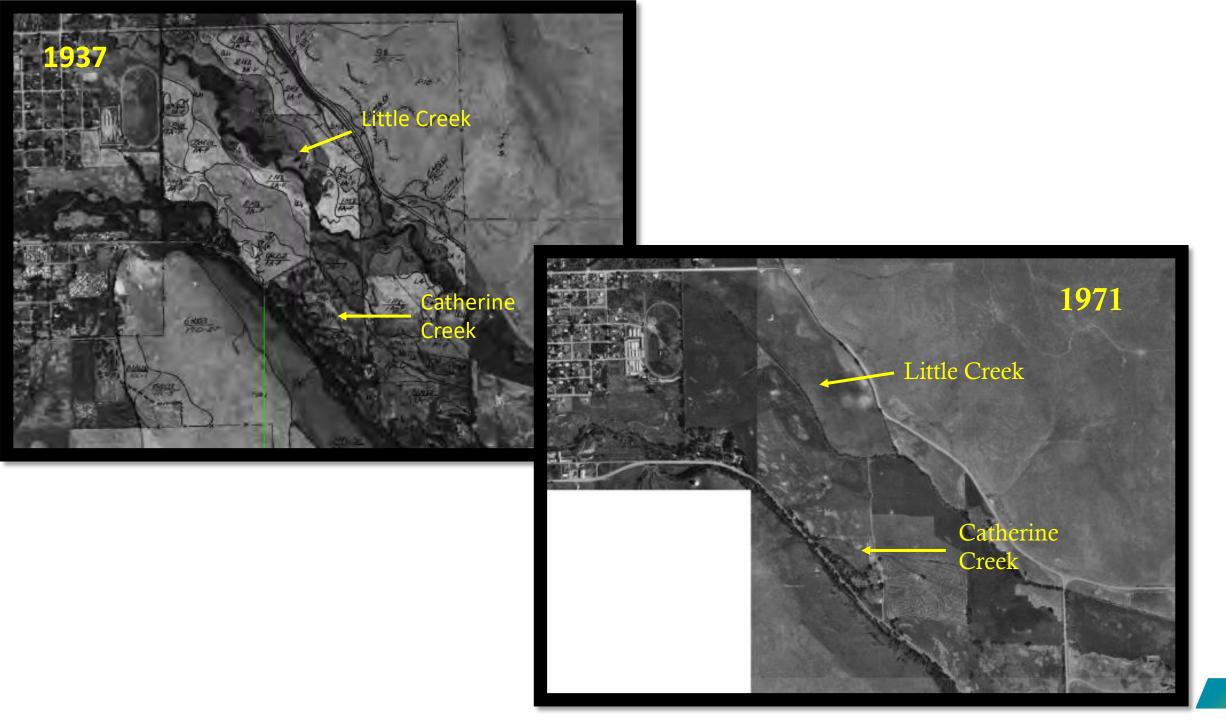






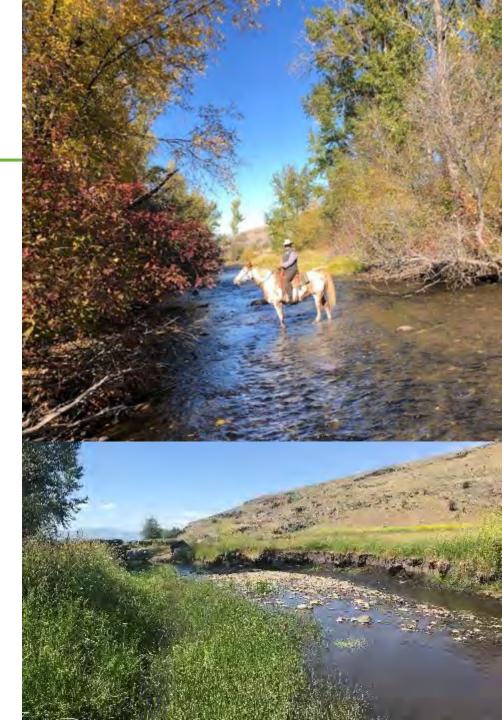
Buffalo Flats 30% Design

Modeled Depth: Existing and Proposed Conditions 2-year Flood (218 cfs)



#### Limiting Factors for Floodplain and Fish

- 1. Limited instream structural complexity, lack of wood and diverse habitat
- 2. High summer stream temperatures and lower winter temperatures (anchor ice)
- 3. Lack of peripheral habitats including side channels, connected floodplain area
- 4. Poor riparian conditions and lack of a healthy riparian vegetation community
- 5. Reduced instream flows



#### **Community Benefits**

- 1. Flood water detention; ice and wood storage
- 2. Reduce ice formation in the project reach
- 3. Leverage funds for addressing other problems
- 4. Economic income to Union City and County
- 5. Employment opportunities
- 6. Increased opportunities for agritourism





#### Union Soil & Water Conservation District

#### Mission:

Assist and educate interested landowners in the development, protection, and conservation of natural resources

#### Values:

- 1. Balance agricultural production with conservation.
- 2. Local people making local decision to achieve conservation.
- 3. Voluntary initiatives over regulatory mandates.
- 4. Efficient and effective use of public resources.
- 5. Partnerships where everyone contributes, and everyone benefits.

The Advocate for Agriculture since 1946

# Maps

