

Riparian Restoration Along the Lower Deschutes River

Alliance for a Healthy South Sound

September 18, 2024

Pioneer Park Riparian Restoration

Project Site



Pioneer Park Overtime

Channel migration between 1941 and 2015 averages about 10ft per year.



2006



2009



2012



2015

Pioneer Park Today



2015



2024

Deschutes River at Pioneer Park

- Limiting Factors
 - Elevated Temperatures
 - High Fine Sediment Loading
 - Insufficient Wood
 - Impaired Riparian Conditions
- Other Factors
 - Public Risk
 - High Flood Risk



2013



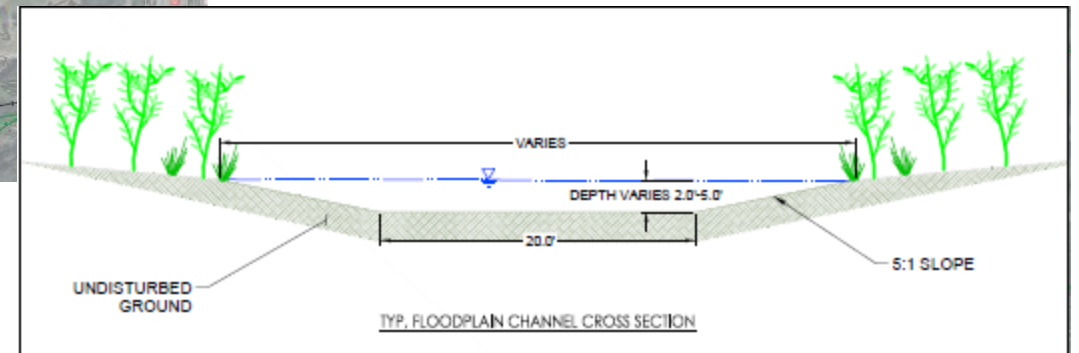
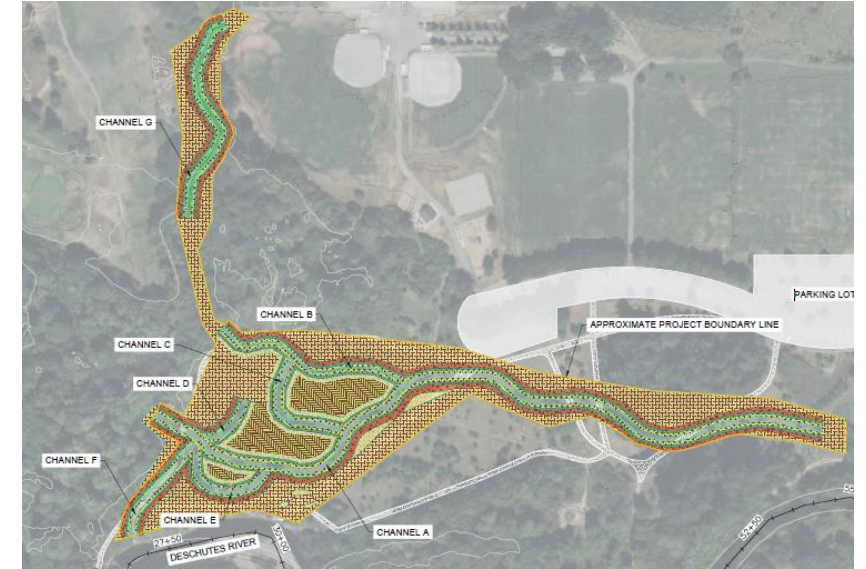
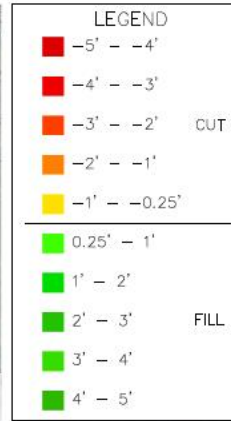
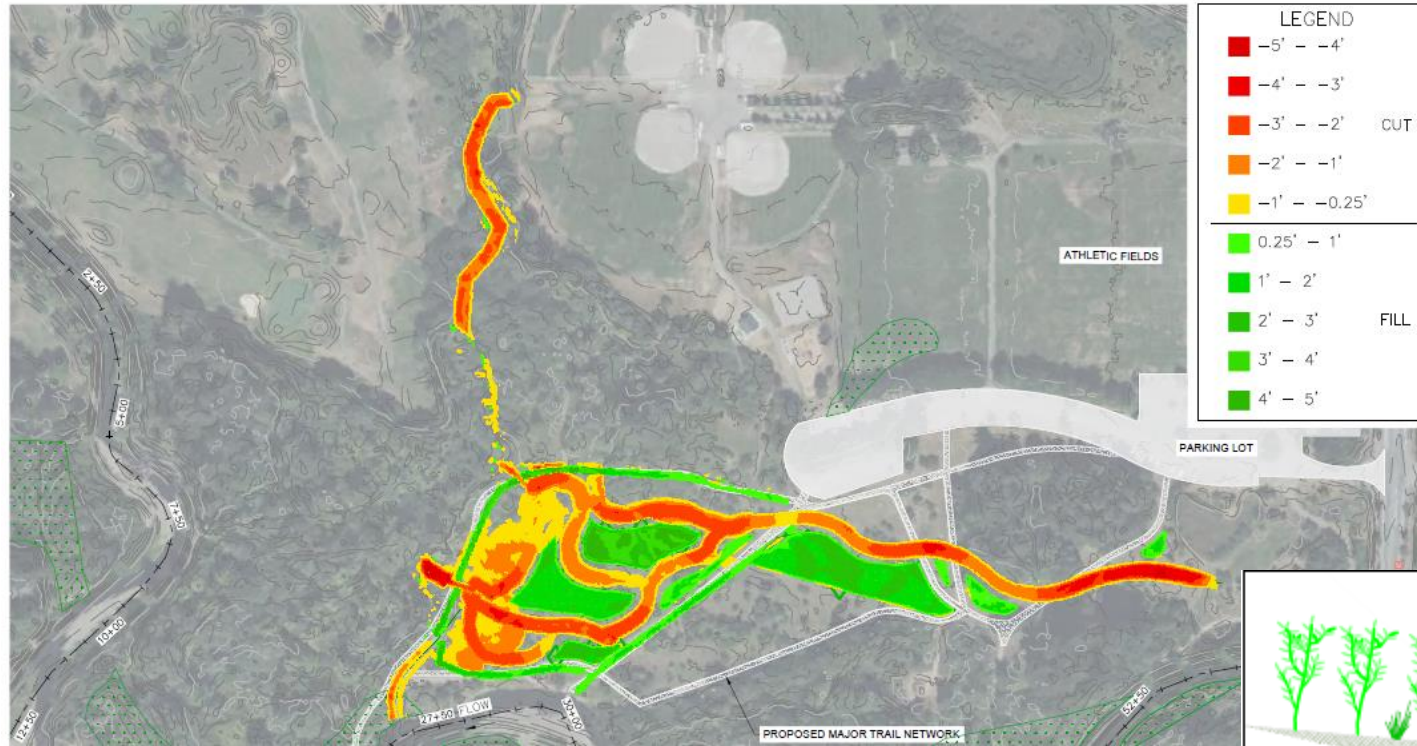
2017

Grant Funding

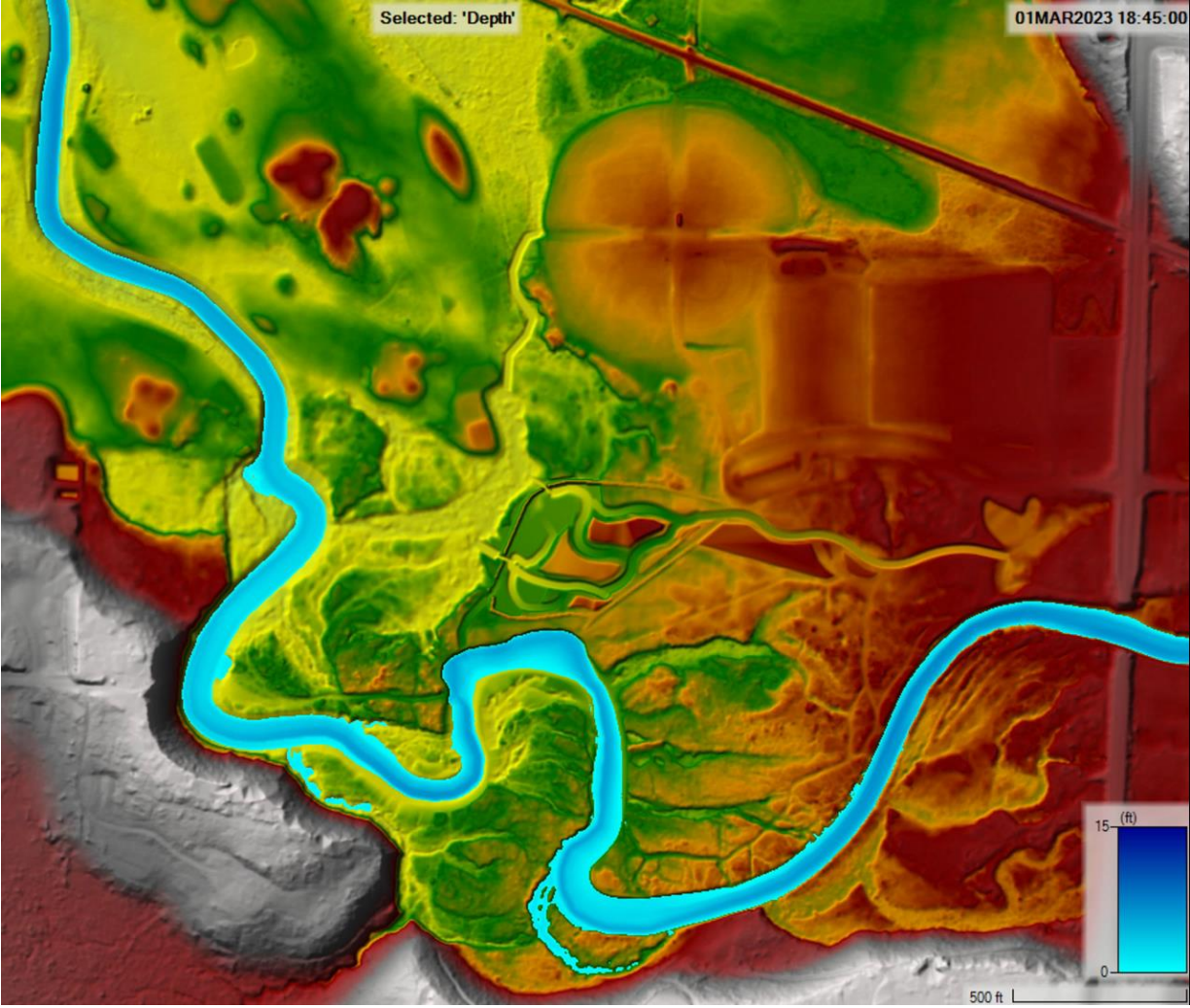
- Water Quality Improvement Focus
- Two Department of Ecology grants
 - Phase 1: 2021-2025 ~\$450,000
 - Phase 2: 2024-2027 ~\$500,000
- Hired Stantec to complete designs and permitting
- Engaged with permitting staff to determine the best path forward



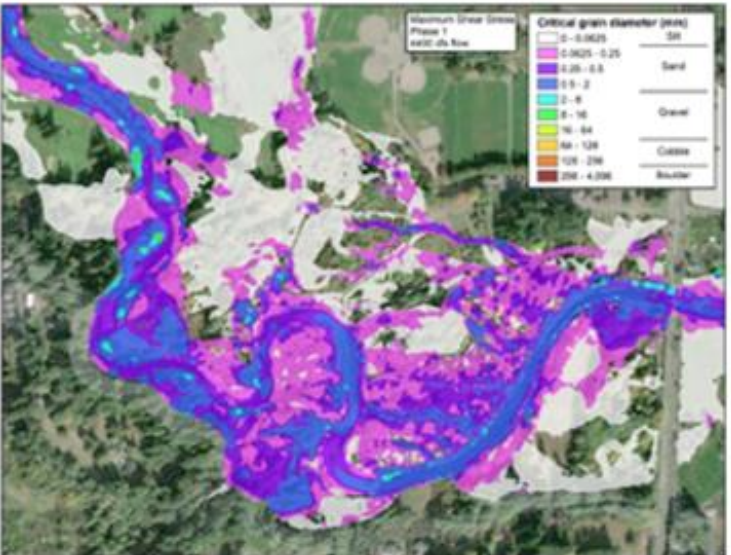
Phase 1 – Upland



Phase 1 Impacts

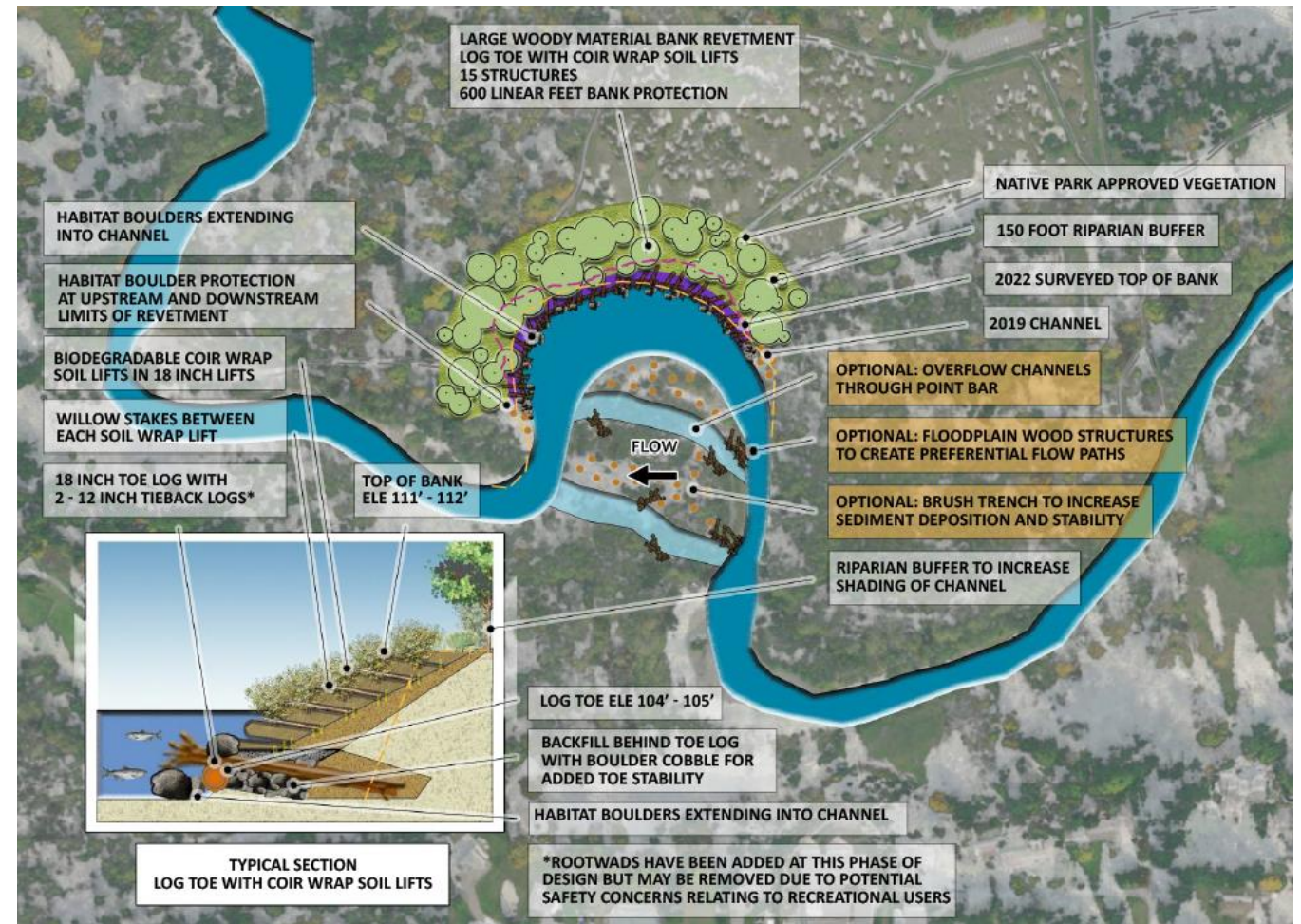


Existing Conditions

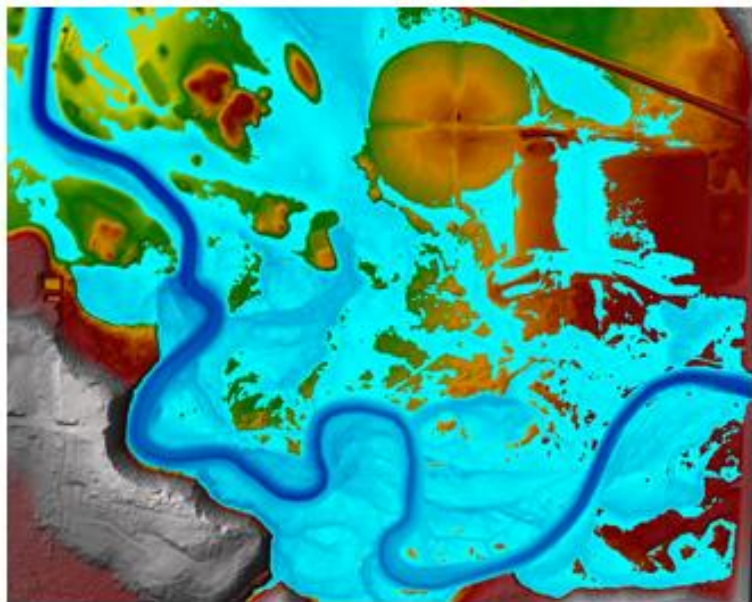


Phase 1: Upland Only

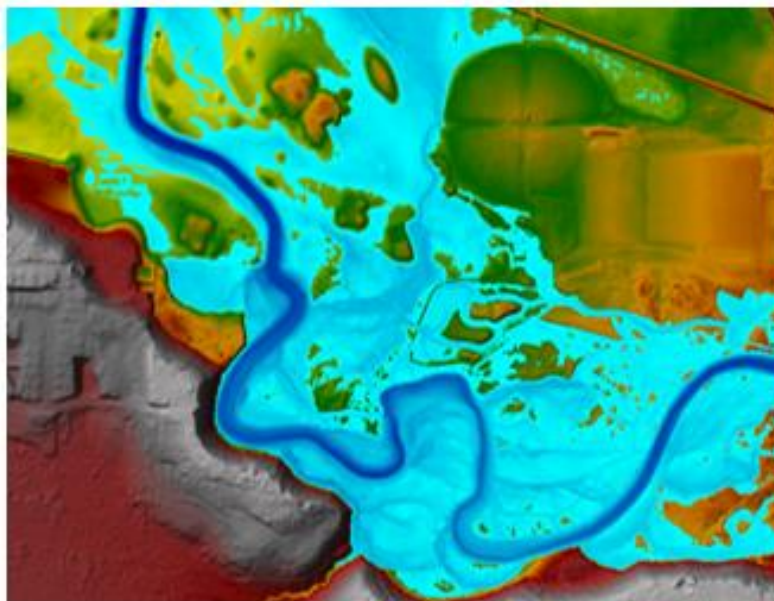
Phase 2 – In Water



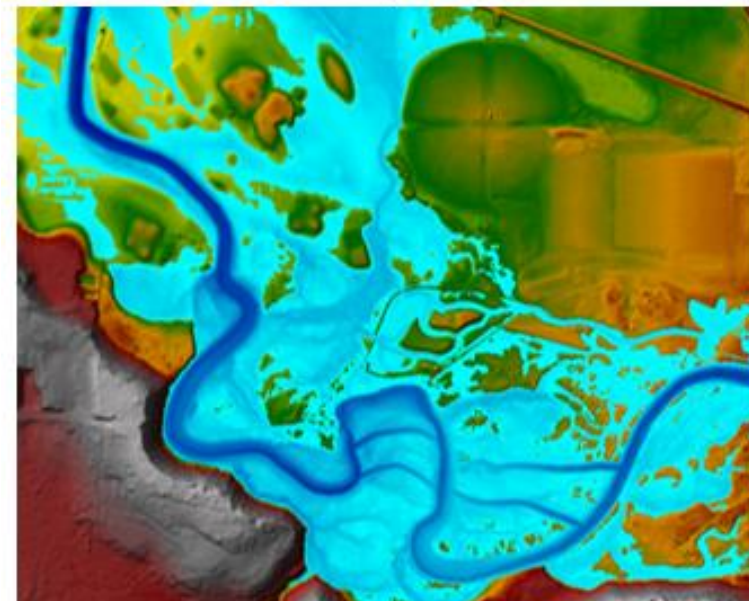
Project Impacts - Flooding



Existing

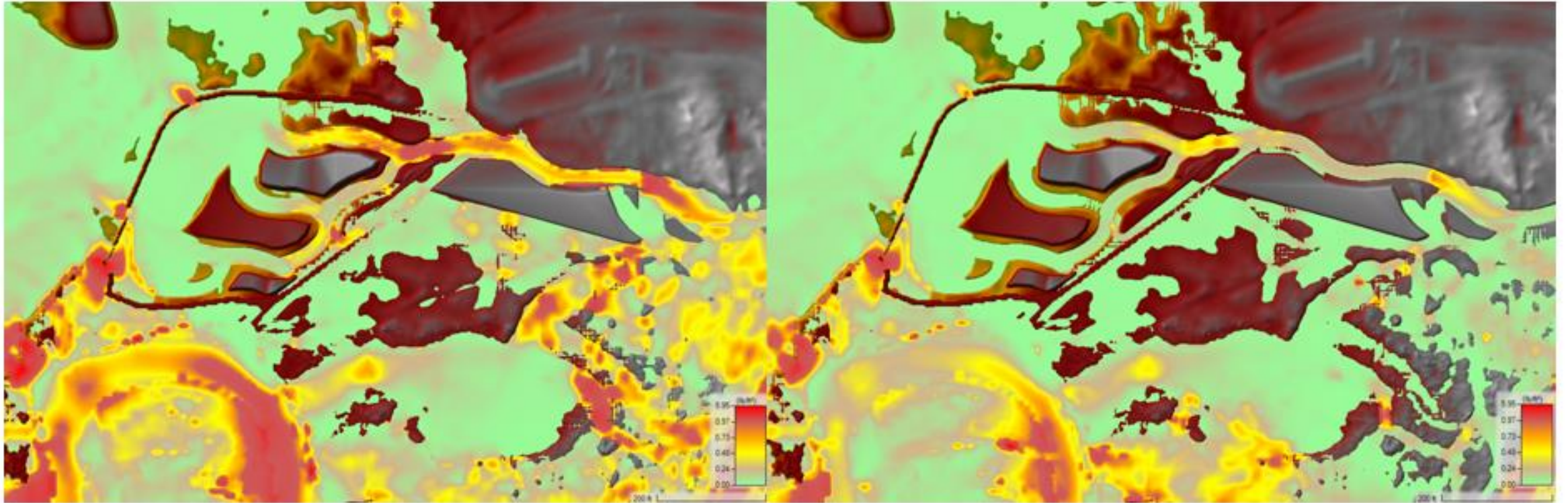


Phase 1: Upland Only



Phase 2

Project Impacts – Sheer Stress



Phase 1: Upland Only

Phase 2

Project Schedule



Questions

Deschutes River Watershed Recovery Phase 1

Recovery Through Collaboration

- Capitol Land Trust, Laurence Reeves
- City of Tumwater, Grant Gilmore
- Deschutes Estuary Restoration Team, Casey Allen
- Greer Environmental Consulting, Meridith Greer
- Squaxin Island Tribe, Sarah Zaniewski
- South Puget Sound Salmon Enhancement Group, Cole Baldino
- Thurston Conservation District, Stephanie Bishop
- Thurston Regional Planning Council, Amy Hatch-Winecka



Deschutes River Watershed Recovery

- 10-Year, \$50M plan to help restore the Deschutes River
 - Landowner outreach
 - Community engagement
 - Modeling work
 - Design and permitting
 - Construction and restoration
 - Acquisition



Lower



Middle



Upper

Floodplains by Design

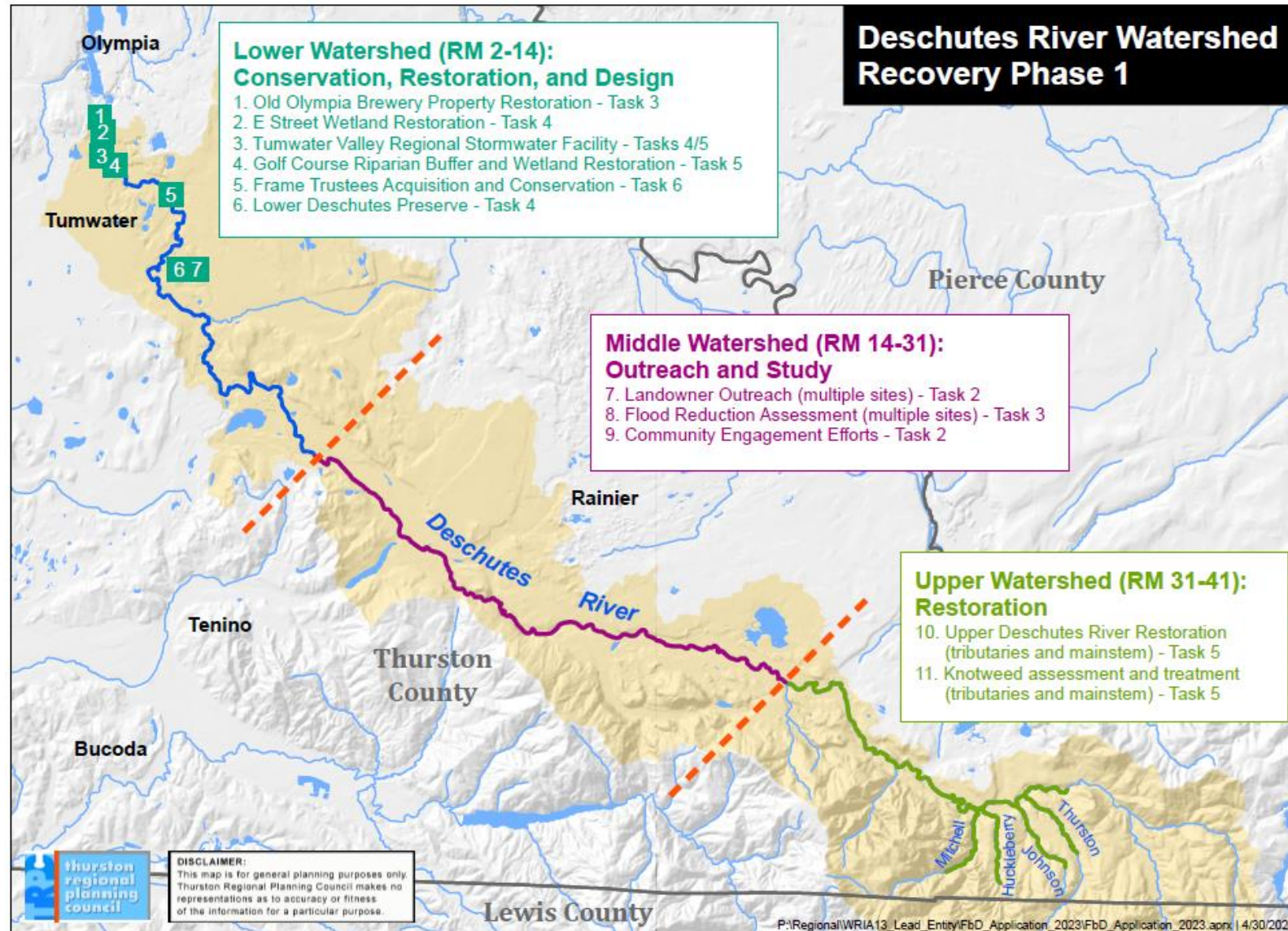
A public-private partnership that includes multi-million dollar capital grant programs led by the Department of Ecology. Focused on projects that:

- Seek to reduce flooding
- Improve working lands
- Restore habitat
- Improve water quality
- Benefit the broader community

Since 2013, awarded \$216M to large-scale, multiple-benefit projects. With up to \$10M awarded per watershed.



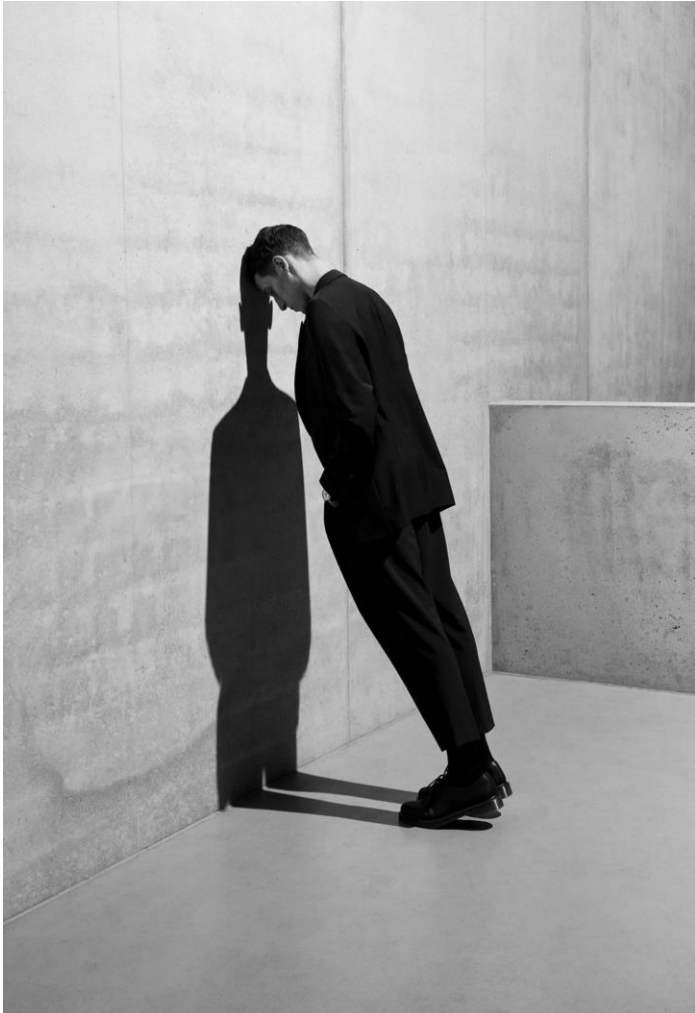
Phase 1 (2025-2029) Projects



Grant Request

Task Title	Floodplains by Design Funding Request
Task 1 – Grant Administration	\$100,000
Task 2 – <u>Land Owner</u> Outreach/Engagement	\$708,000
Task 3 – Feasibility Studies and Alternative Analysis	\$675,000
Task 4 – Design and Permitting	\$1,169,800
Task 5 – Construction/Restoration	\$6,348,200
Task 6 – Acquisition	\$999,000
Task 7 – Match Only	\$2,500,000
Total	\$12,500,000

Now what...



Questions
