

# Senate Bill 1511

**Senate Environment and Natural Resources Committee**

**February 7, 2020**

**Shannon Hurn, ODFW Deputy Director**

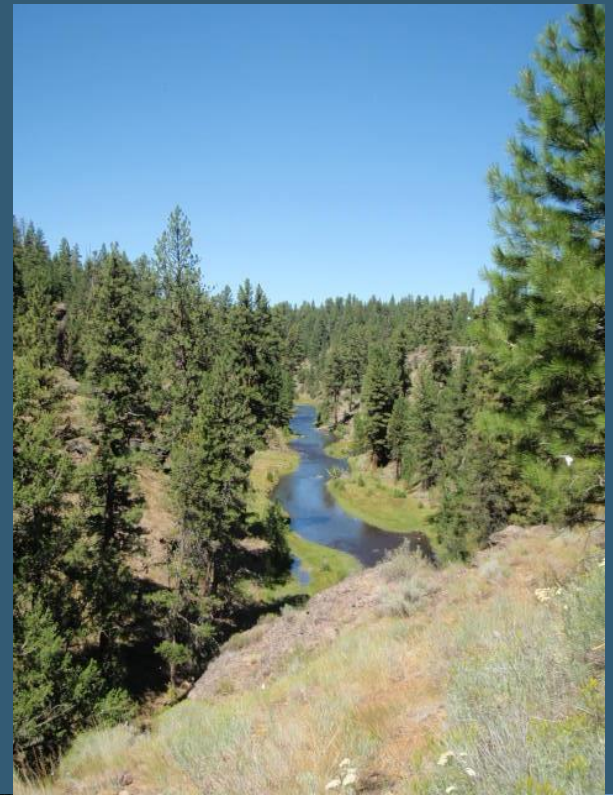
**Ken Loffink, ODFW Fish Screening and Passage**



# Oregon Closed Basins

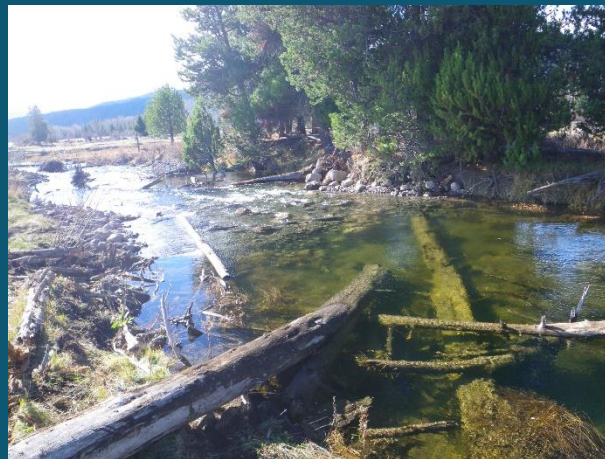


# Stream Variability



# Stream Restoration Tools and Techniques

- Plug and pond
- Roughened channels
- Rock weirs
- Beaver Dam Analogues
- Dam Removal
- Side Channel Construction
- J Hooks
- Large Wood Placement
- Riparian Planting
- Cattle Exclusion
- Riparian Grazing Management



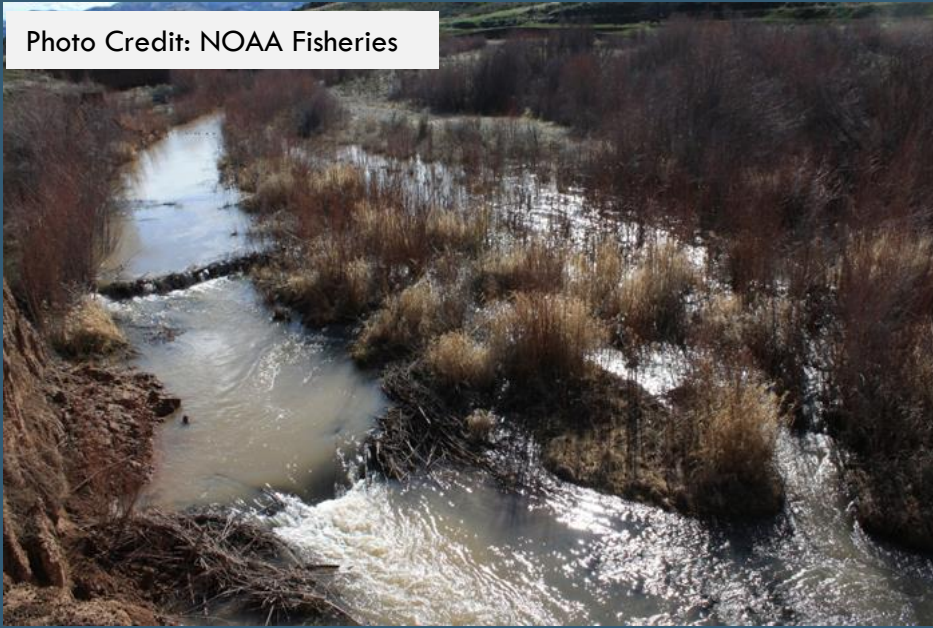
# Traditional Design and Permitting Process

- Site Visit, Analysis, and Site Selection
- Alternatives Analysis
- Design
- Permit Application
  - ODFW Review/Comments
- ODFW Fish Passage Review and Approval (if applicable)
- Implementation
  - Best Management Practices
- Monitoring (if necessary)



# Successful Stream Restoration

Photo Credit: NOAA Fisheries



# Stream Restoration Unintended Impacts



Flanked grade control structure. Water should be flowing over this structure, not around the end. Key way too short & not vegged.



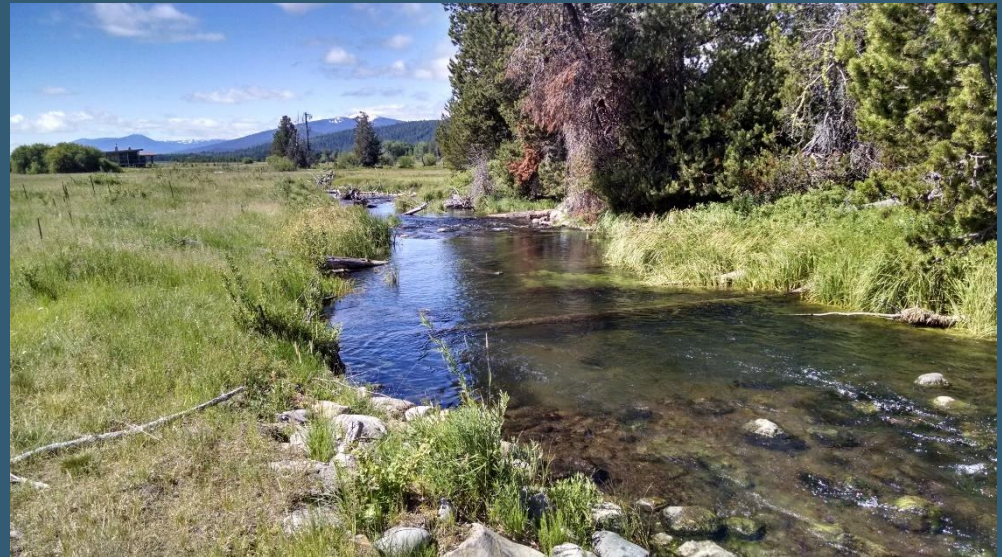
TOTAL FAILURE

Photo Credit: River Research & Design, Inc.



# Stream Restoration Partners

- Funding Partners
  - OWEB
  - USFWS Partners Program
  - Trout Unlimited
  - Watershed Councils
  - County SWCDs (NRCS)
  - Others – Tribes, ONDA
- Permitting and Design
  - County SWCDs (NRCS)
  - Watershed Councils
  - University Extension Services
  - ODFW
  - DSL
- ODFW Role
  - Fish Passage
  - Connecting Landowners to Technical Resources
  - Identifying Funding Sources
  - Technical and Design Input
  - Site Selection
  - Wildlife Guidance





# SB 1511- Comments/Questions/Concerns

- Site Selection, Project Variability, and Unintended Impacts
  - Enforcement
  - Offsite Impacts
  - Impacts to downstream or adjacent landowners
- Fish Passage
  - Bill language largely consistent with existing fish passage rules and statutes
  - Existing flexibility allows for projects to proceed, with permits
- Monitoring and Reporting
  - Only requires photo monitoring
  - Or ODFW Pays third party
- ODFW Reports on Environmental and Economic Impacts of stream restoration projects after 10 years
  - What does this mean?
  - How do we obtain scientifically valid data with limited monitoring and reporting requirements?
  - Success depends on perspective