

# Clark Fork Coalition Projects: Lolo, Miller, and O'Brien Creeks

Bitterroot Stakeholders Meeting

February 28, 2022

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# CFC Bitterroot Projects

- Lolo Creek:
  - West Fork Lolo: Road decommissioning, culvert restoration, and monitoring
  - East Fork Lolo and Lost Park Creek: Wood jam installation
  - Dick Creek: Road storage and culvert restoration
  - Lolo Creek: Fish screen installation
- O'Brien Creek:
  - Upper O'Brien: Stream restoration
  - O'Brien Meadows: Stream restoration
- Miller Creek:
  - Little Park Creek: Beneficial barrier installation and stream crossing restoration
  - Miller watershed: Culvert survey
  - Wustner / Leik Property: Stream restoration
  - MPG Ranch: Stream restoration
  - Oxbow Ranch: Instream flow, entrainment, sediment and water temperature
- Lost Horse Creek: Fish screen installation
- Streamflow:
  - New flow projects
  - Flow monitoring

# Upper Lolo – West Fork Lolo

- Road-generated sediment and blocked culverts



# Upper Lolo – West Fork Lolo

- Road decommissioning



Before



After

# Upper Lolo – West Fork Lolo

- Culvert restoration



# 5 Years Post-treatment Monitoring



# East Fork Lolo and Lost Park Creeks – Wood Jams

- Stream-side road delivers sediment, lack of wood in stream



# Solution: install large wood jams





# Lower Lolo – Dick Creek

- 2017 Lolo Peak Fire made streams more flashy and deliver more sediment – blocking culverts



Photo: Mark Mesenko

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# Lower Lolo – Dick Creek

- Road storage and stream crossing restoration



# Lower Lolo – Lolo/Maclay Ditch Fish Screen

- Ended entrainment of over 10,000+ fish per year



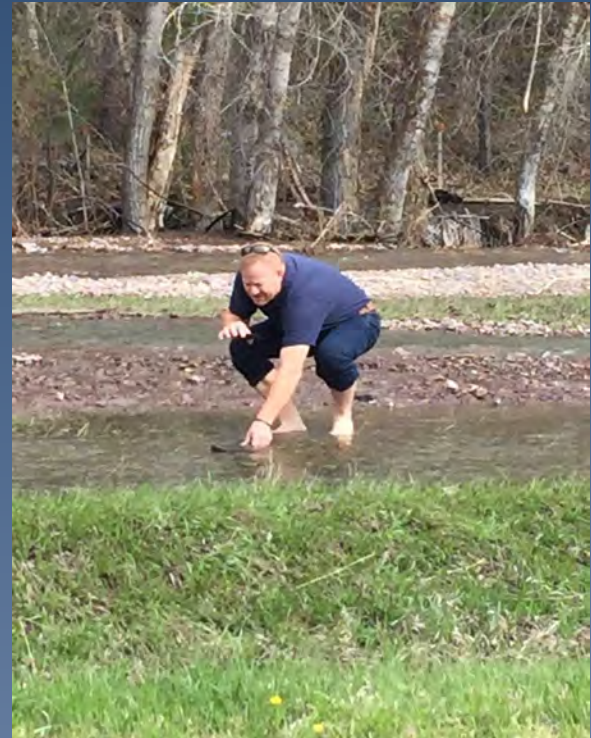
# Upper O'Brien Creek

- Active roadbed / road fill erosion and stream entrenched



# O'Brien Creek Meadows

- Main stem O'Brien Creek sediment reduction and habitat augmentation



# Miller Creek: Culvert Survey

- Undersized and perched culverts



# Miller Creek: Little Park Creek

- Beneficial fish barrier installation and stream crossing restoration



Before



After

# Miller Creek: Wustner

- Main stem Miller Creek sediment reduction and habitat augmentation
- Completed in 2021





# Miller Creek: Next up

- Two more mainstem Miller Creek channel restoration projects (1+ miles of stream) that will focus on sediment, temperature reduction and improving instream/riparian habitat
- Oxbow Cattle Company and upstream landowners- Instream flow, entrainment, sediment, water temperature

