



Prichard Creek Stream Restoration

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- Background and History
- Project Goals
- Stream Restoration
- Future Steps



Location

Tributary to N. Fork Coeur d'Alene River

Watershed: 62,582 acres

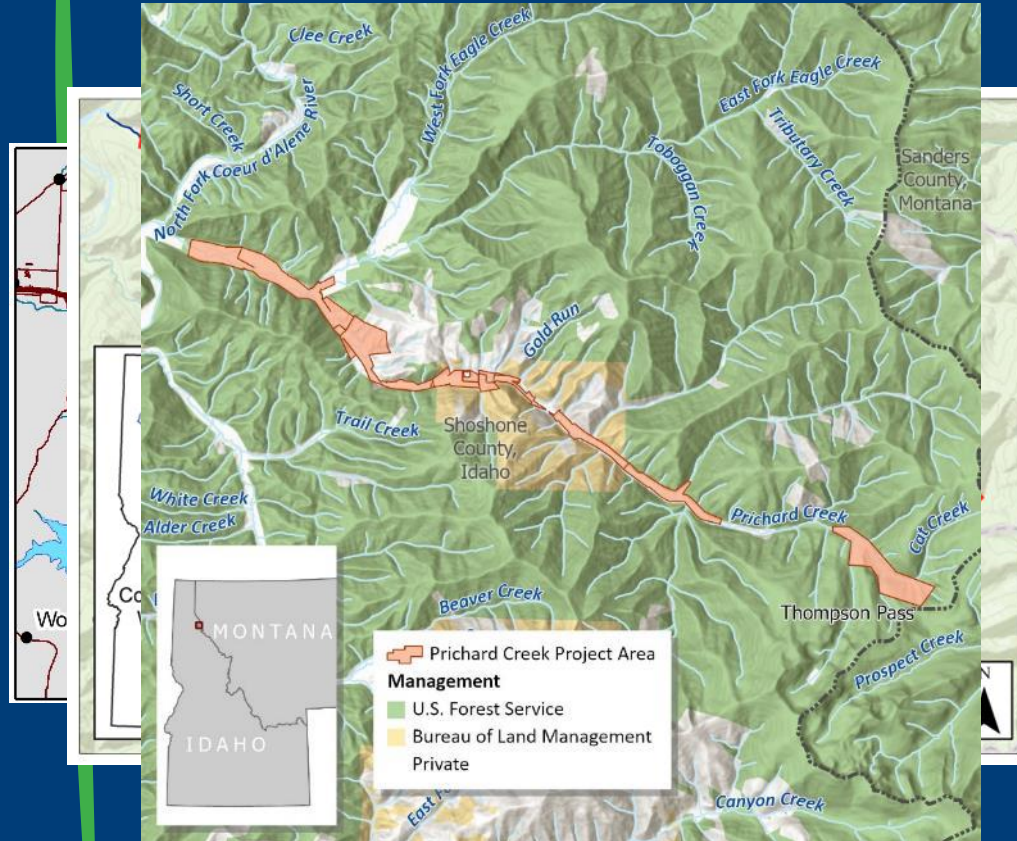
- 84% USFS
- 10% private
- 4% BLM

Idaho Forest Group (IFG)

10.5 miles of stream-bottom (2,000 acres)

Conservation Easement KLT

4 miles (divided into reaches)



Historic Mining and Logging

- Placer gold discovered late 1800s in Prichard Creek
- Widespread logging
- Several hard rock mines and mill sites
- Dredge operated in Prichard Creek from 1917-1926



Limiting factors

- Lack of wood inputs and riparian vegetation
- Loss of fluvial function and complexity
- Subsurface in 3-mile section of dredged reach
- Elevated levels of metals in substrate and water
- Westslope cutthroat trout focal species



Seasonal flows



Project Goals

- Sorting and retention of bed sediments
- Creation of deep pool habitat
- Promote habitat complexity
- Improve Floodplain and Off-Channel Habitat Connectivity
- Establishment of riparian vegetation

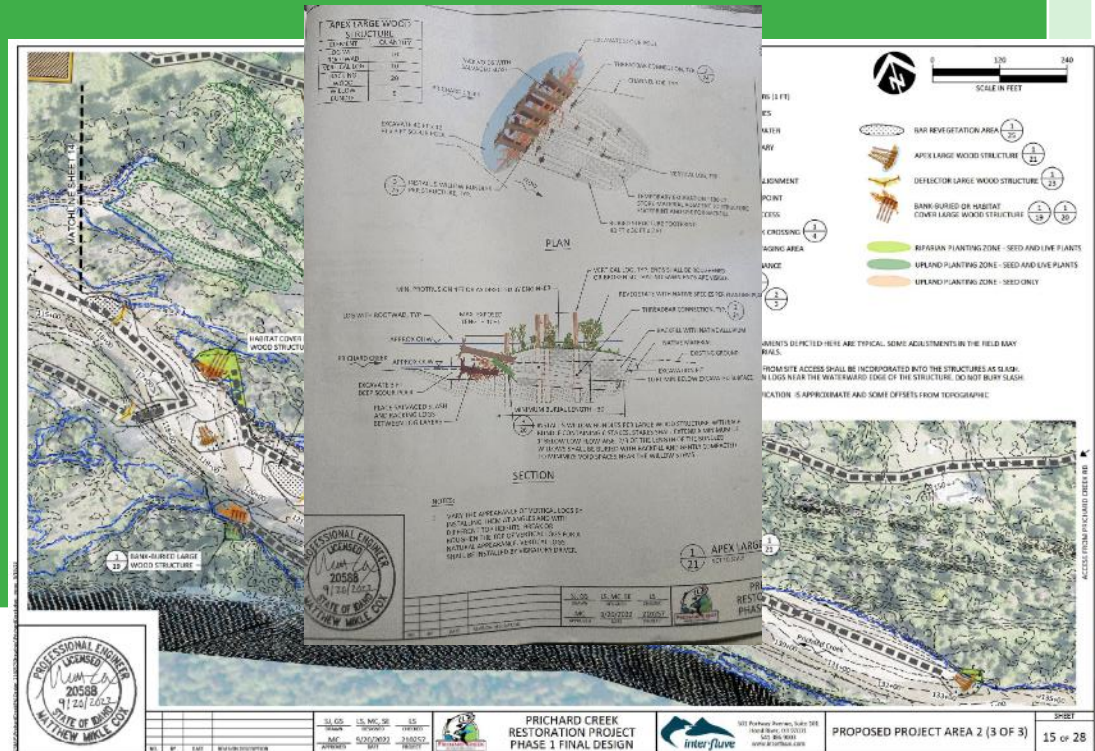


Limiting factors



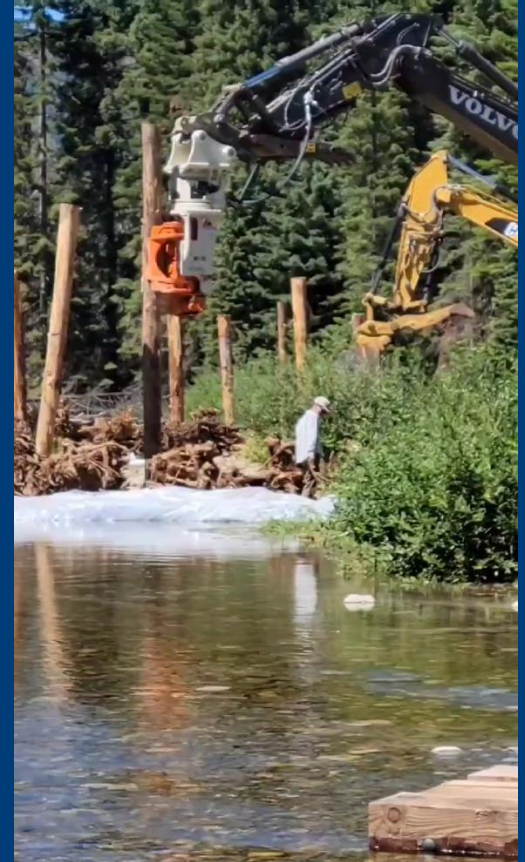
Stream Restoration Design

- **Engineered log structures**
 - Apex
 - Bank buried/Habitat
 - Deflector
 - Channel spanning
- **Bar Revegetation**
- **Riparian Planting**
- **Upland Planting/Seeding**



Restoration

- 4 months construction
- 62 Structures constructed
- 5,000 Willow stakes
- 3,000 Upland shrubs and trees







Lessons learned and future steps



- Restoration is process-based
 - Substrate sorting and vegetation several years
 - Short term positive results
 - Integrity of structures?
- Wildlife LOVE fresh plantings
- Next steps
 - Monitoring
 - Phase II design



Thank you!



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