



Prichard Creek Stream Restoration

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- Background and History
- Project Goals
- Stream Restoration
- Phase 2



Location

Tributary to N. Fork Coeur d'Alene River

Watershed: 62,582 acres MT/ID border

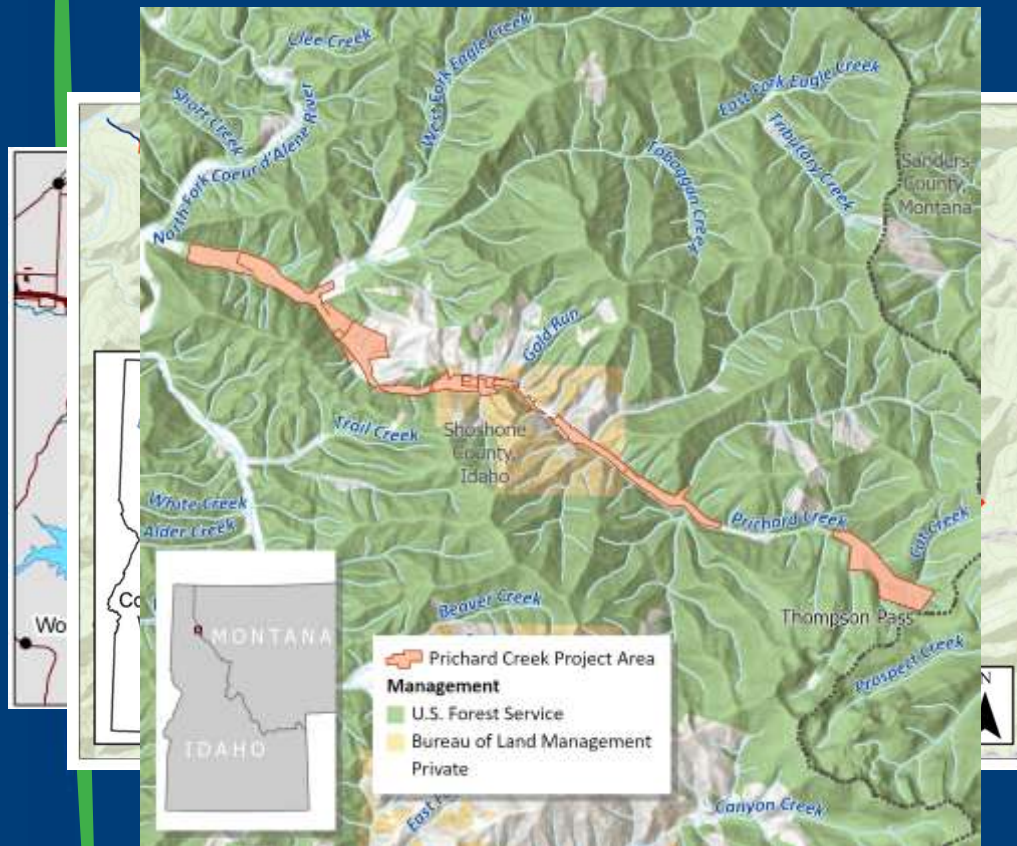
- 84% USFS
- 10% private
- 4% BLM

Idaho Forest Group (IFG)

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

Phase 1 reaches 1-4

Phase 2 reaches 5 and 6



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



Impacts to Prichard Creek



- Lack of wood inputs and riparian vegetation
- Loss of fluvial function (lacks pools, multi-thread channels)
- Subsurface in 3-mile section of dredged reach
- Elevated levels of metals in substrate and water
- Westslope cutthroat trout



Seasonal flows



The primary design 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
- **Keep water in channel**



Stream Restoration Design

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



Restoration

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







Phase 2

- Reaches 5 and 6 within dredged area
- Focus on retaining water on surface
- 30% Design



Thank you!



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