

GeoEngineers report



• Fish ladder: 172 ft long over 9 ft of drop

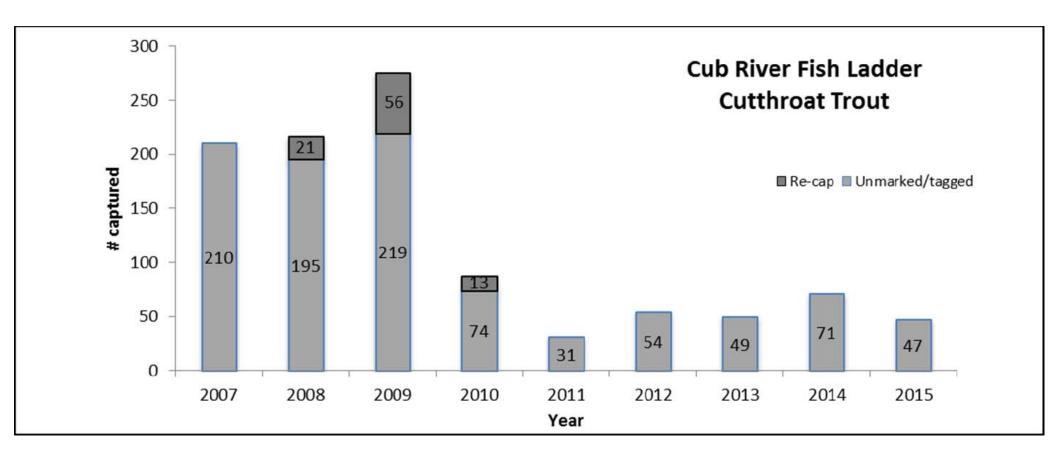
• Ladder operated during CT spawning migration

• Fish trapped and only native fishes passed upstream

• Fish marked (2007 – 2011) and released upstream

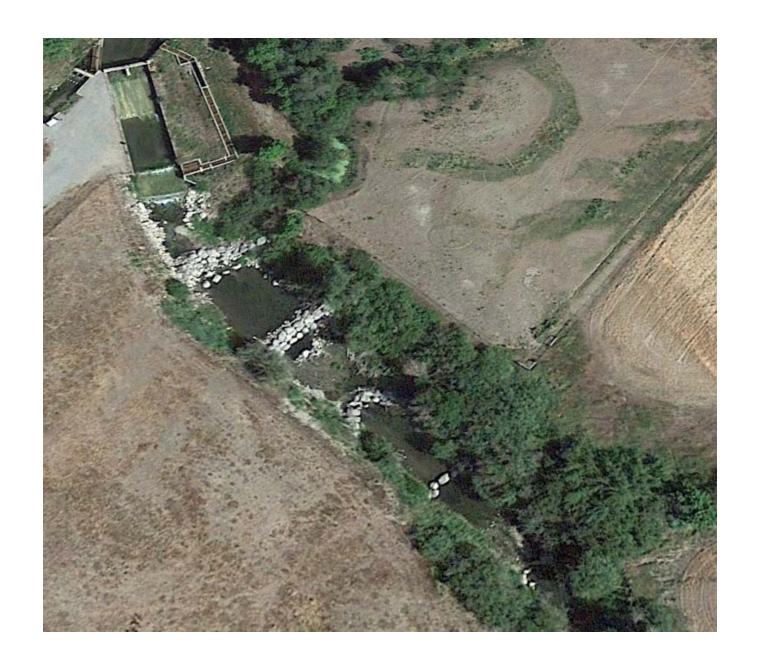


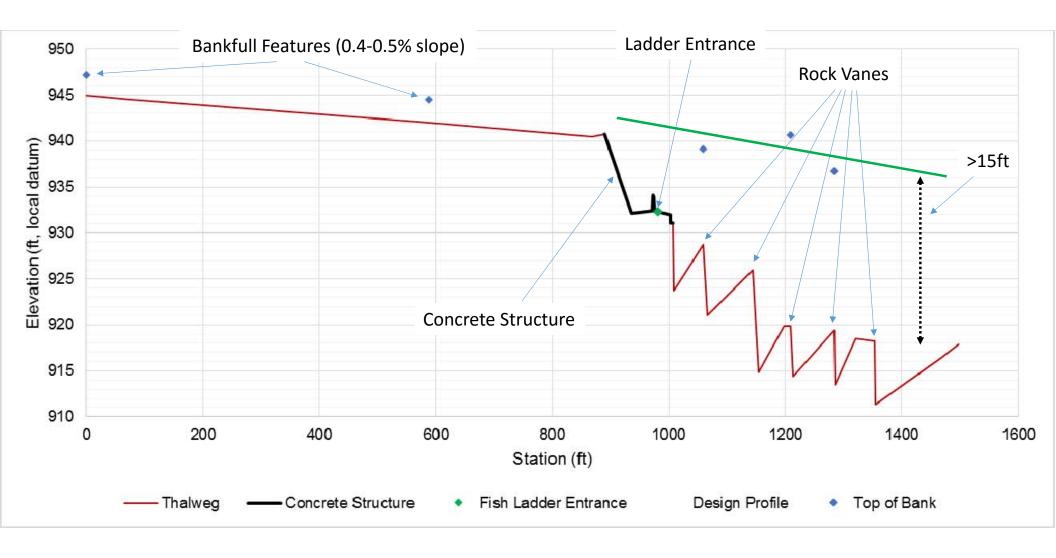
Cub River Fish Ladder





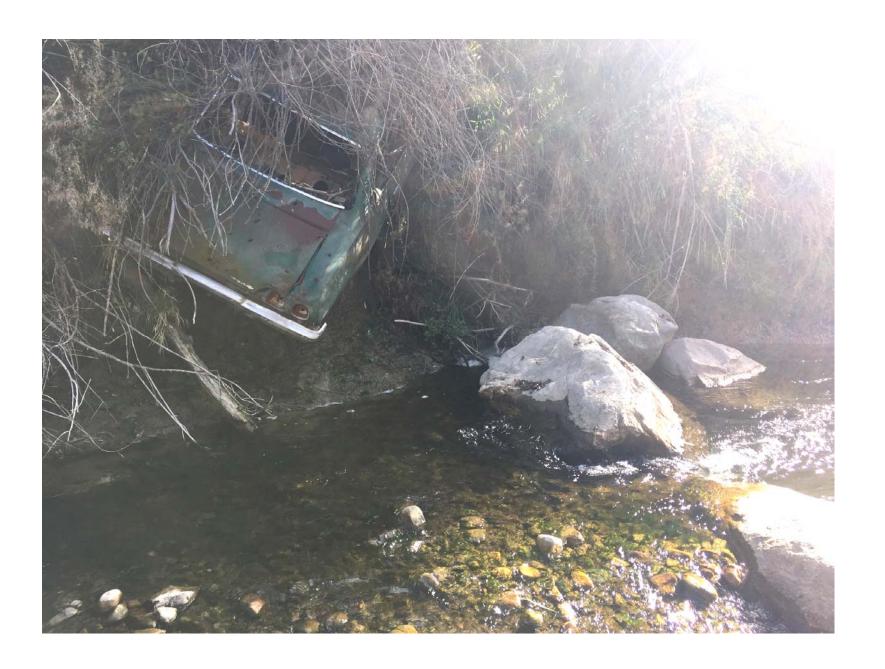


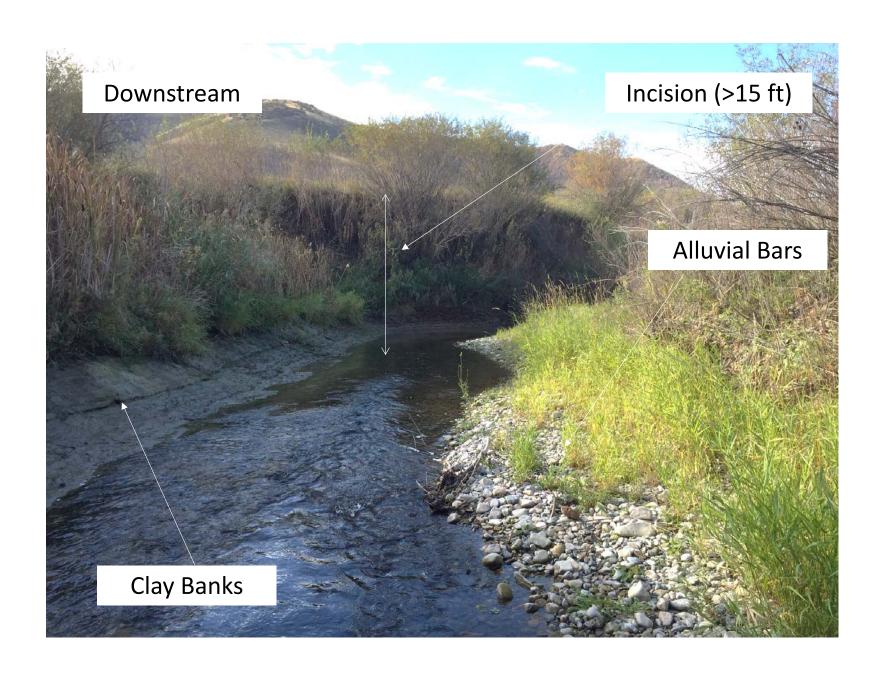


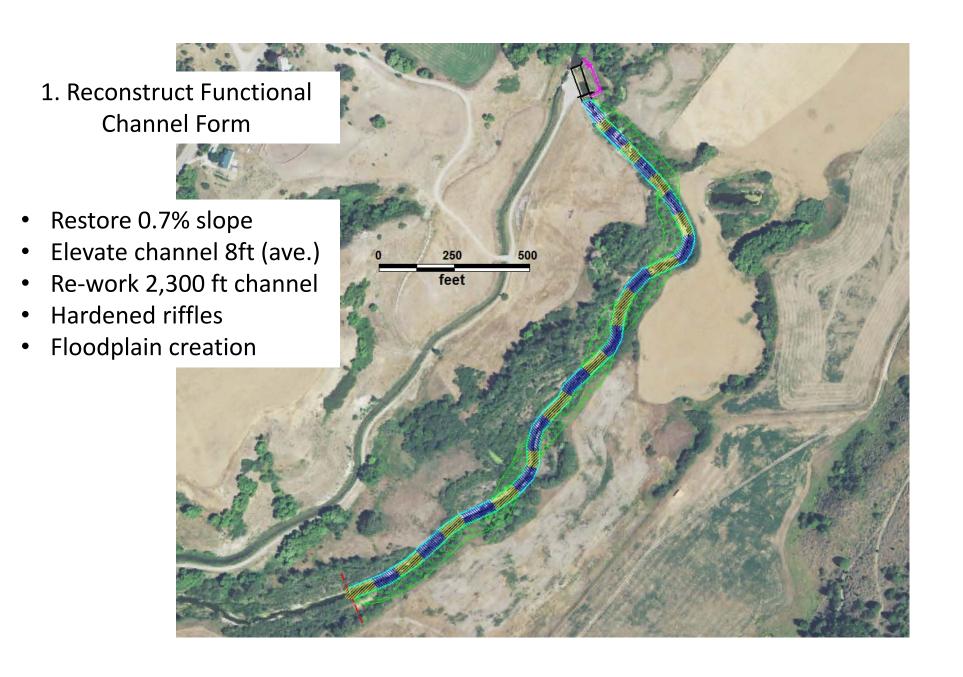


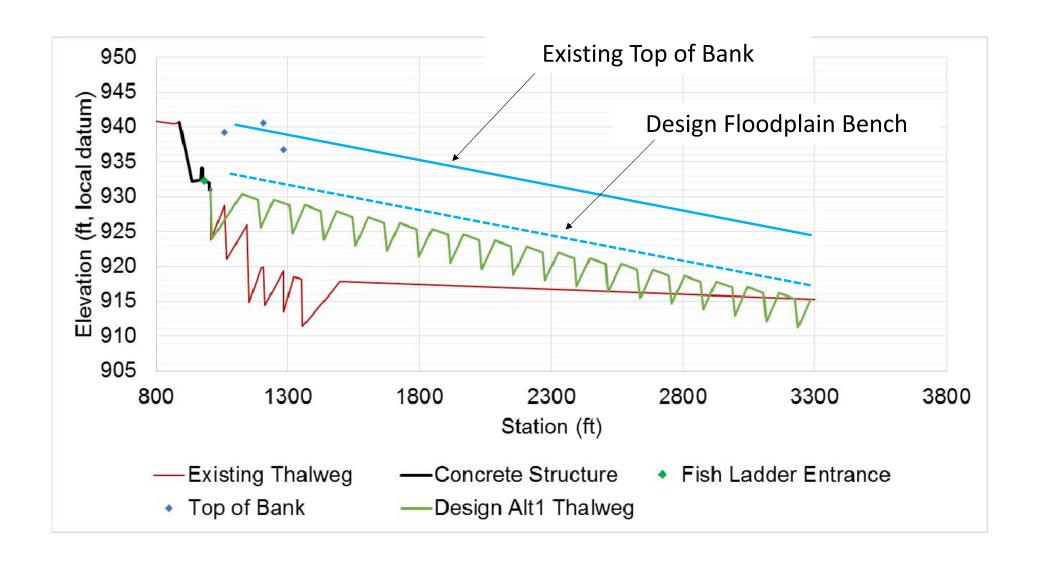


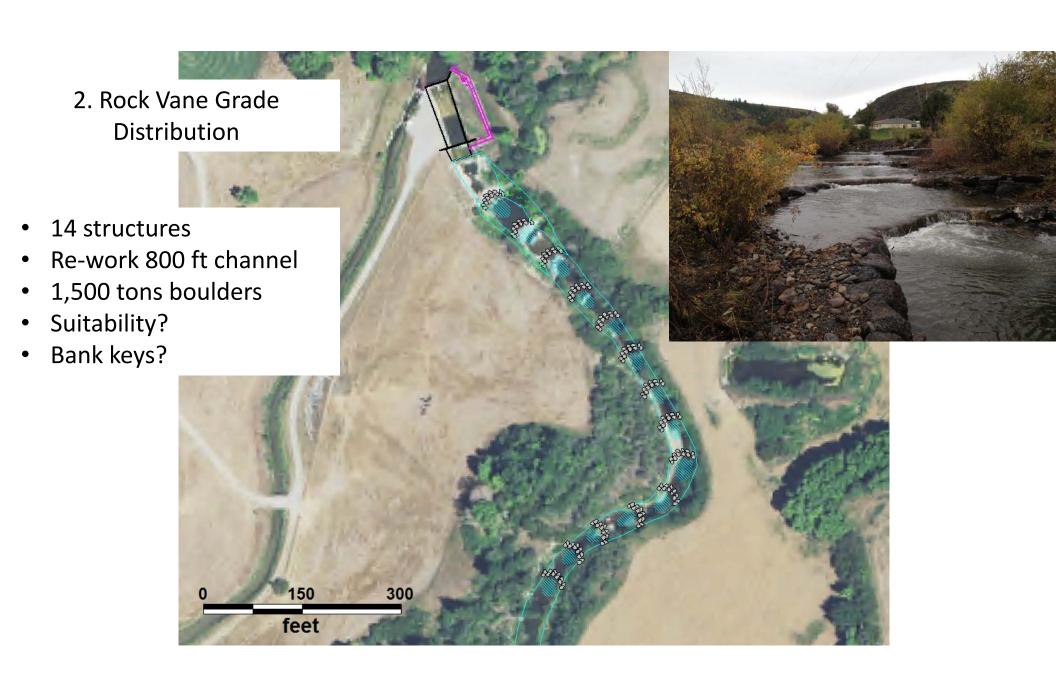


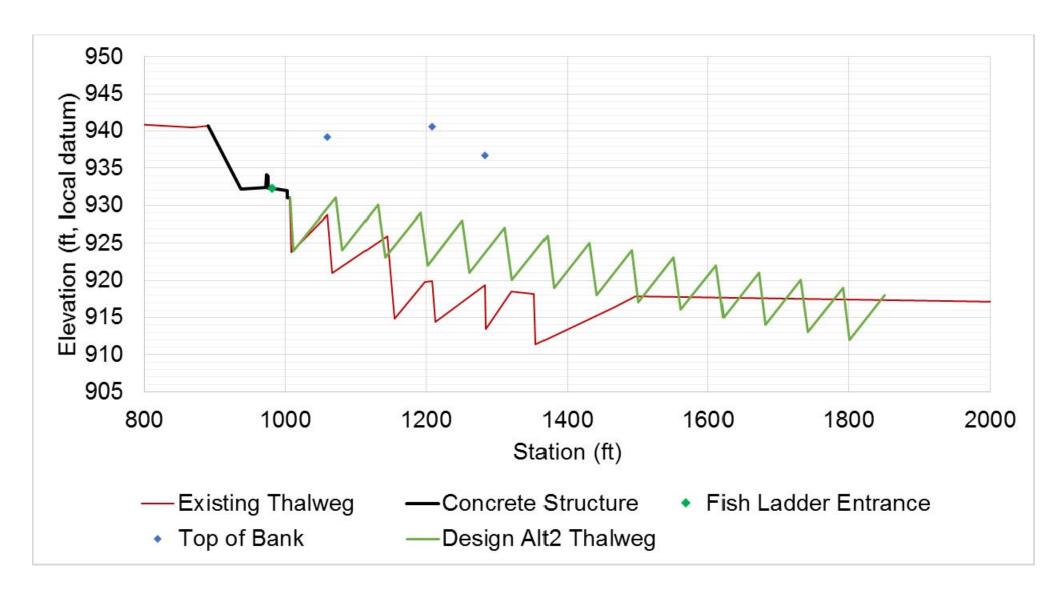


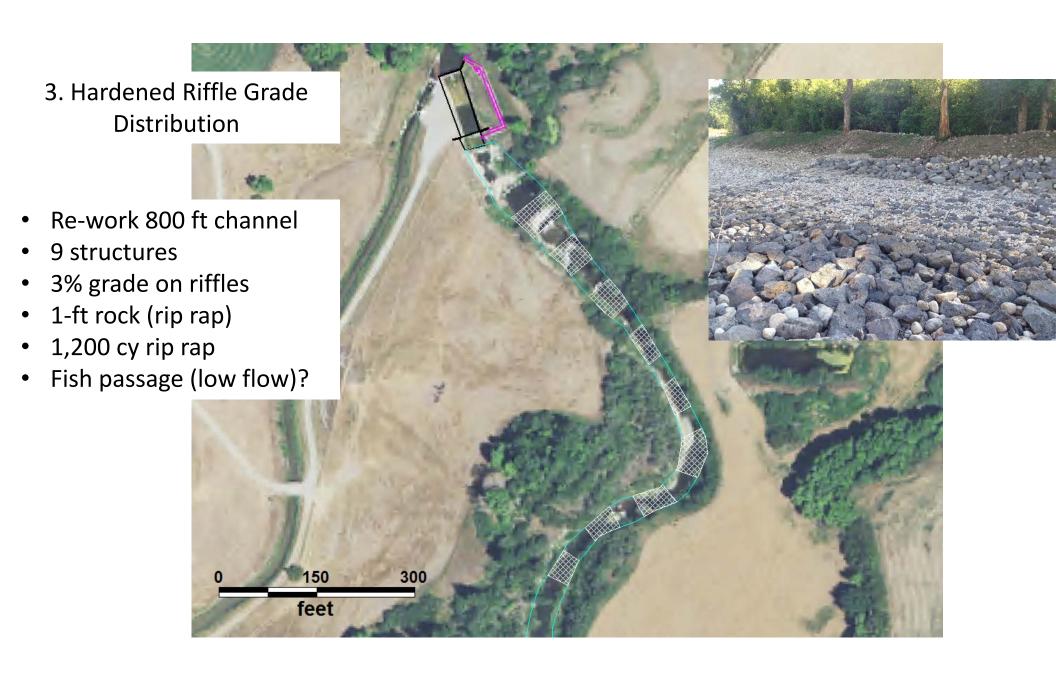


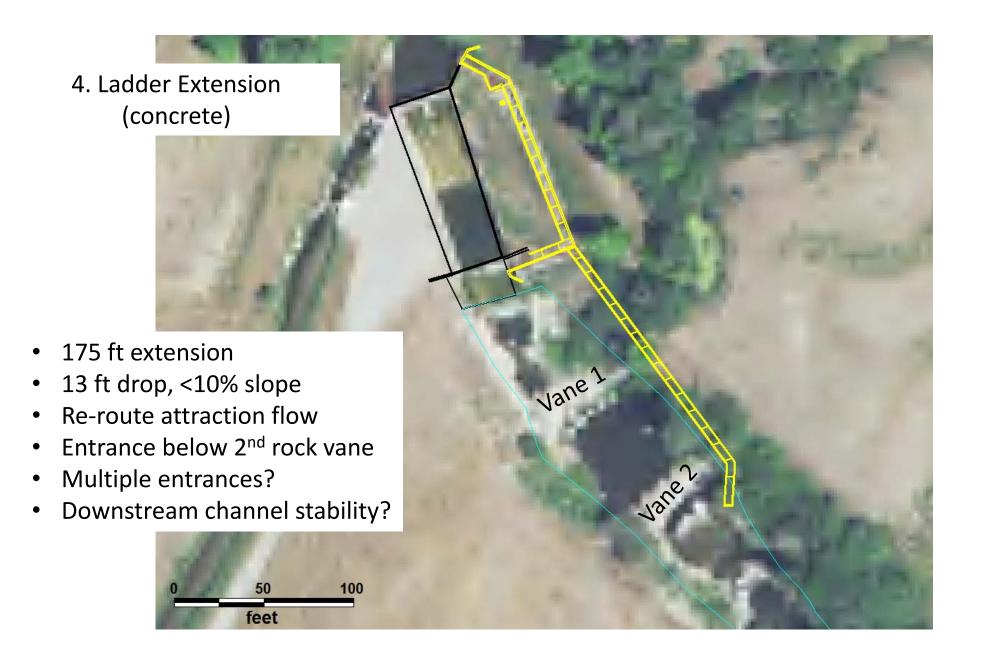


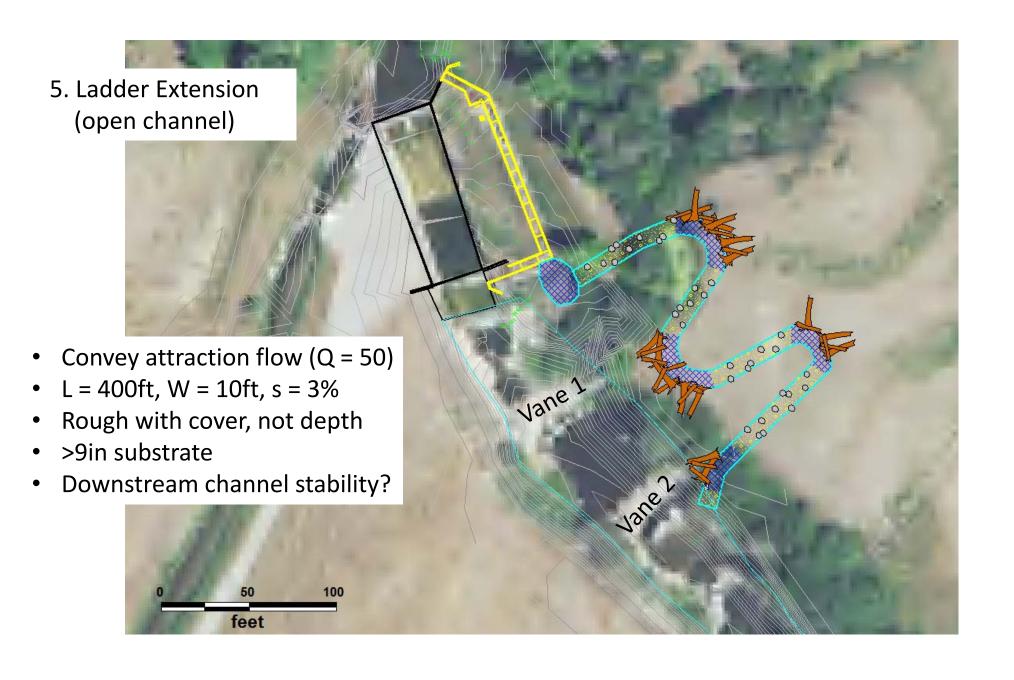












6. Modify Rock Structures



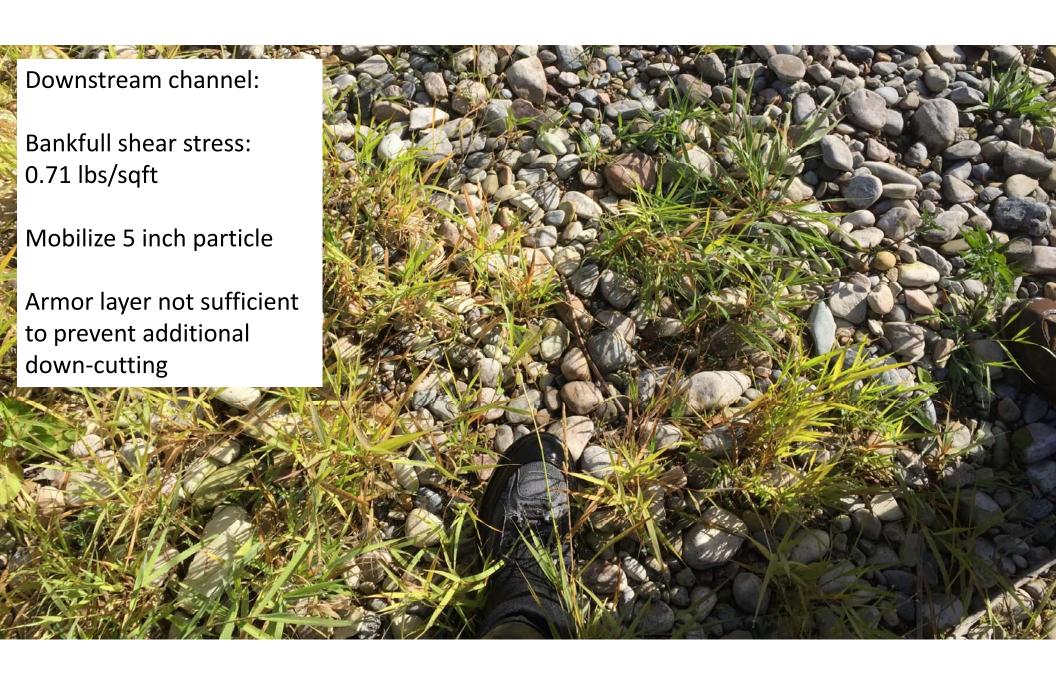
- Suitability?
- Fish passage (low flow)?
- Maintenance? Sediment movement?
- Channel stability?

6b. Modify Rock Structures



- Maintenance?
- Sediment movement?
- Life span?
- Channel stability?





Alternative	Project Cost	Footprint	Treatment Lifespan	Maintenance	Vertical Channel Instability	Lateral Channel Instability	Fish Passage	Cost Estimate
Channel Restoration								\$1,500,000
Rock Vanes (n=14)								\$ 250,000
Hard Riffles (n=9)								\$ 200,000
Ladder Extension (concrete)								\$ 250,000
Ladder Extension (open channel)								\$ 100,000
Modify Existing Rock Structures								\$ 75,000