

# Bear Lake Regional Commission

## Completed Projects under Section 319

By:

Mitch Poulsen

Deputy Director

Bear Lake Regional  
Commission

# Presentation outline

- ✓ Selected projects:
  - ✓ St. Charles Creek
  - ✓ Thomas Fork Creek
  - ✓ Bear River



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# St. Charles Creek

- ✓ Nutrient loading from agriculture
- ✓ Access to riparian and stream channel
- ✓ Obstruction to historic cutthroat migration

# St. Charles Creek

✓ 6 water control structures

✓ 2.5 miles of fencing

✓ 1 fish ladder



# WCS/Screens



Before



After

# Exclusionary fencing





Fish ladder



Before



After





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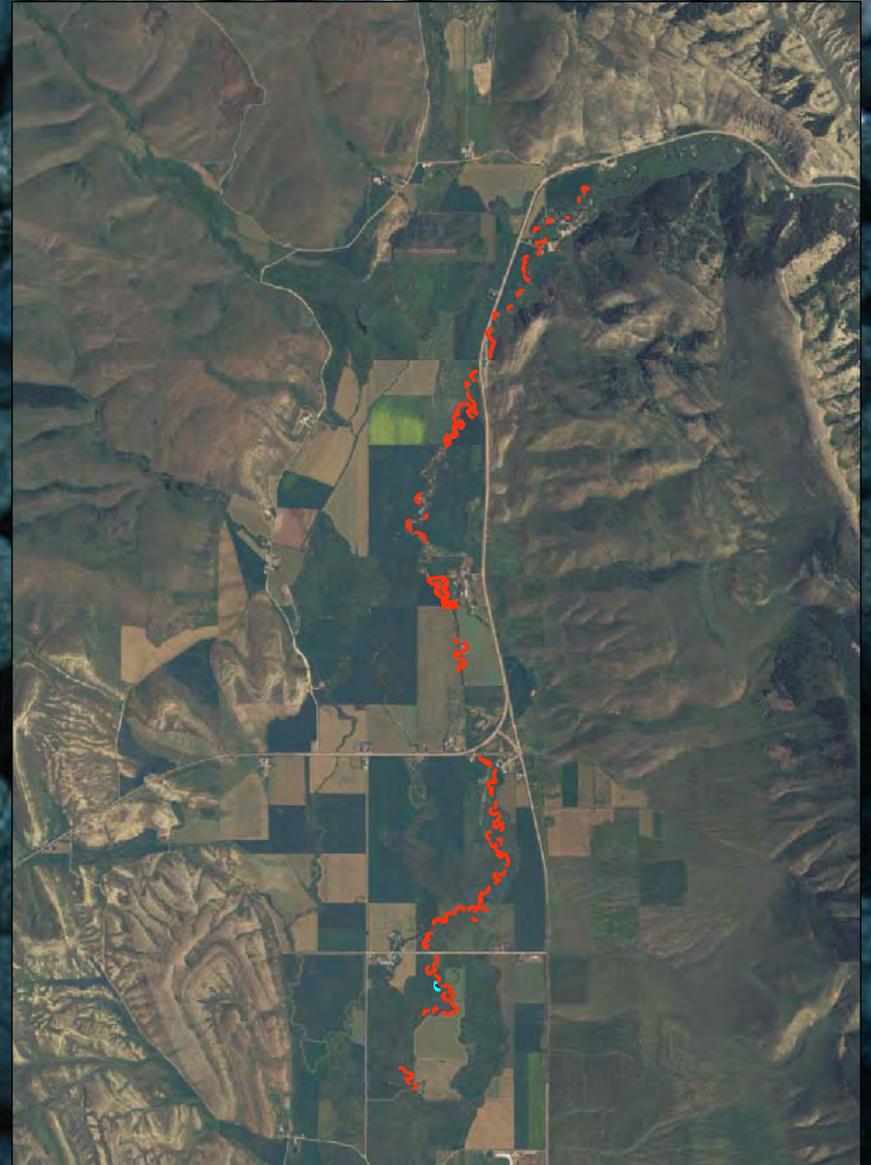
# Thomas Fork

- Low gradient stream
- Flows between 15 and 500 cfs
- Vertically incised
- Lateral recession rate 3 ft/yr
- Elevated sediment and nutrient conc.
- Not meeting beneficial uses



# Treatments

- Bank shaping
- Rock barbs
- Toe armour
- Rip-wrap
- Willow plantings, cuttings
- Reseeding



# Thomas Fork

- 24,072 feet treated
- Approximately 866,592 *ft<sup>3</sup> retained*
- Observed cutthroats



# Thomas Fork

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Before



After



Before



After

# Acknowledgements

- DEQ
- BLSWCD
- ERI
- Many landowners



# Bear River-Cal Price

- Near Border, Wy.
- Upstream of approved project
- 1000 linear feet



# Parting thoughts...

- Not free but very visible
- Great for landowner relations
- Significant water quality improvements
- Removal from 303(d) list?