

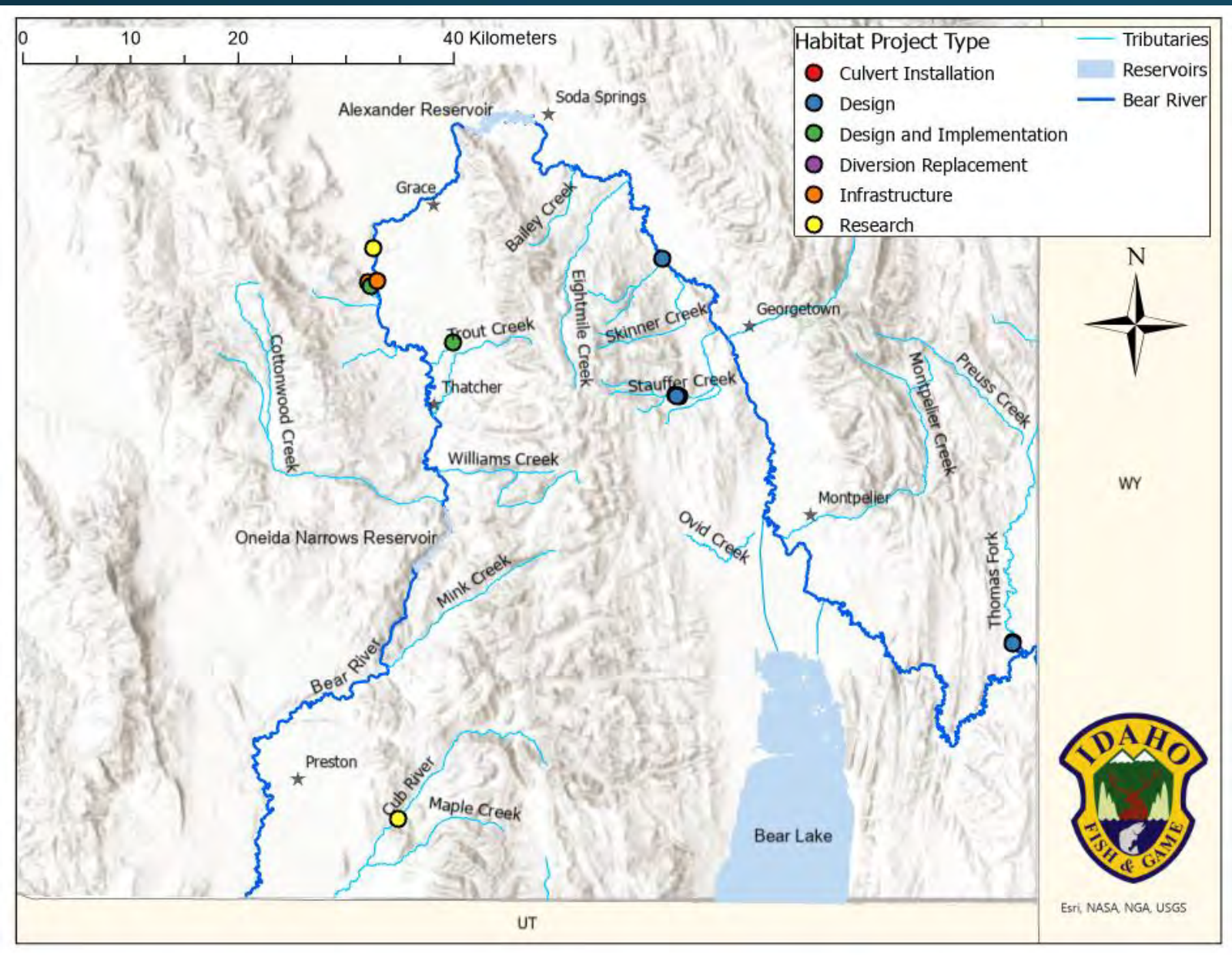
# Bear River Habitat Projects



# Article 405 – Habitat Rehabilitation







• Habitat projects (15 total)

- Culvert installation (1)
- Stream rehab (2)
- Diversion replacement (2)
- Engineering design (3)
- Infrastructure (5; netting, pumping, etc.)
- Telemetry (2)



Esri, NASA, NGA, USGS

# Habitat project needs



- Habitat issues on private land do not have a clear project leader (TU or IDFG?)
  - Require FTE capacity
- Prioritization of rehabilitation projects (strategic not opportunistic)
  - Fish population evaluations
- Synchrony with other articles (i.e., BCT aquaculture, land/water)
- Action effectiveness of habitat rehabilitation projects
  - Fish population evaluations

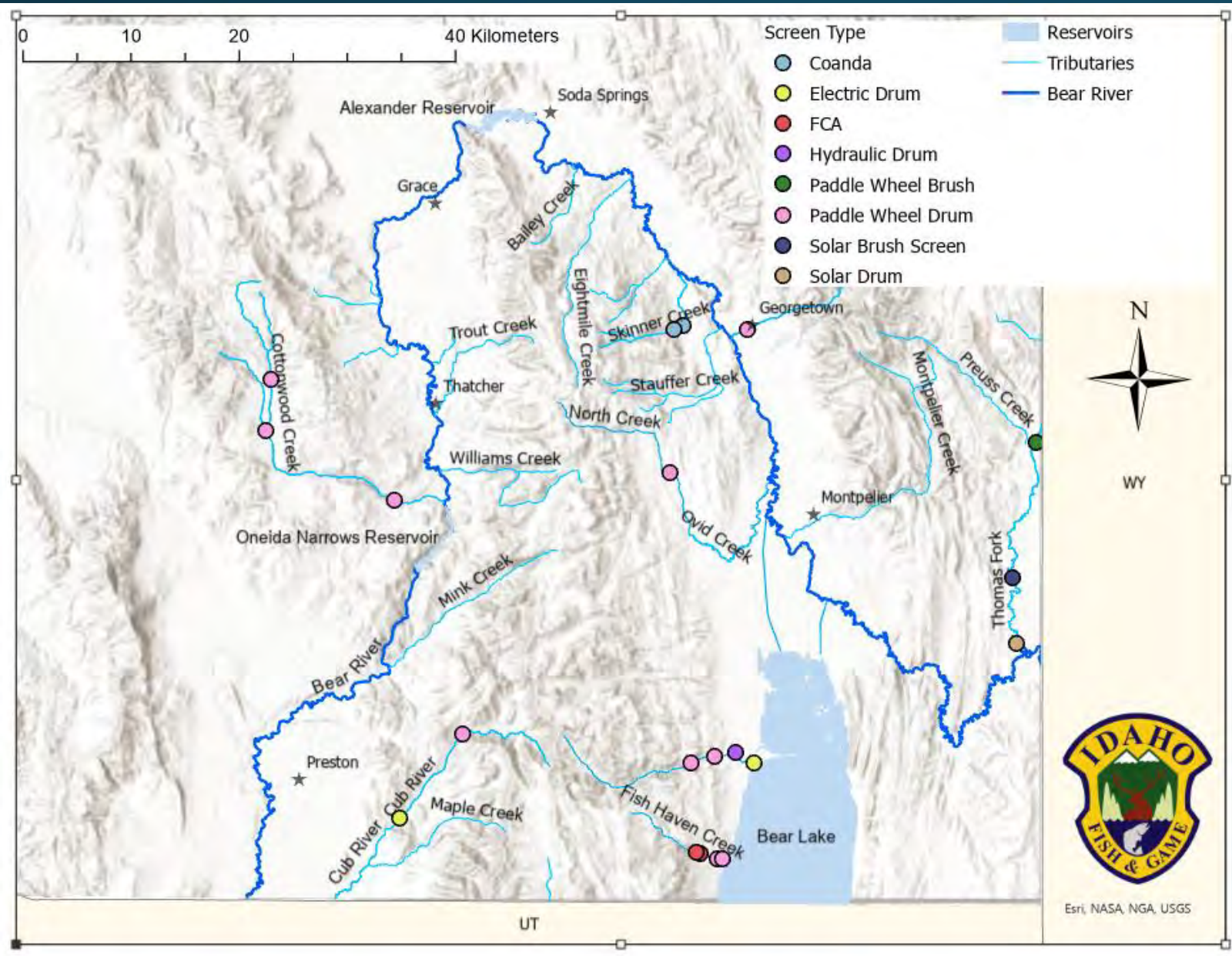




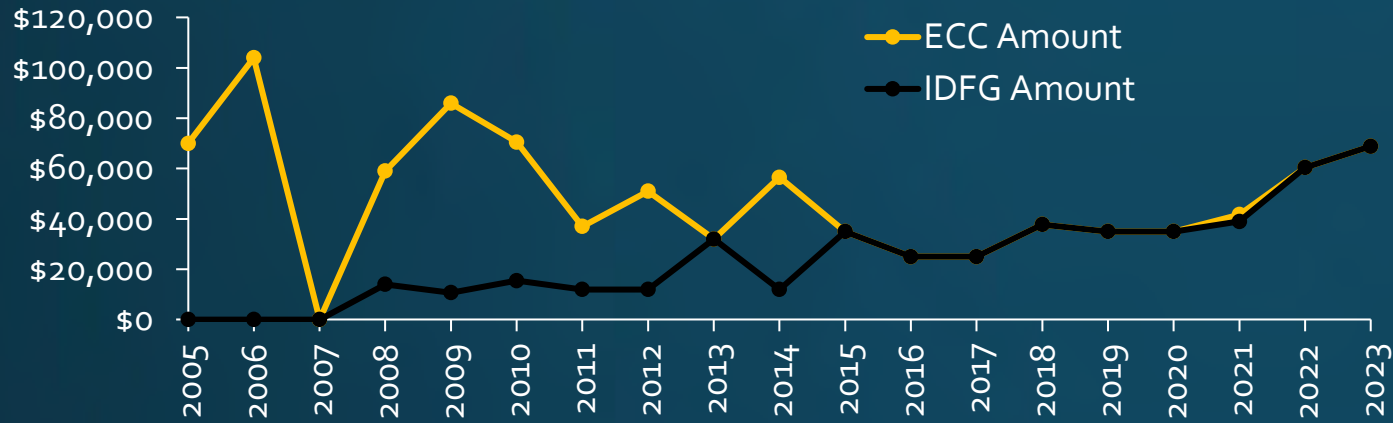
# Article 405 – IDFG Bear River Irrigation Canal Fish Screens



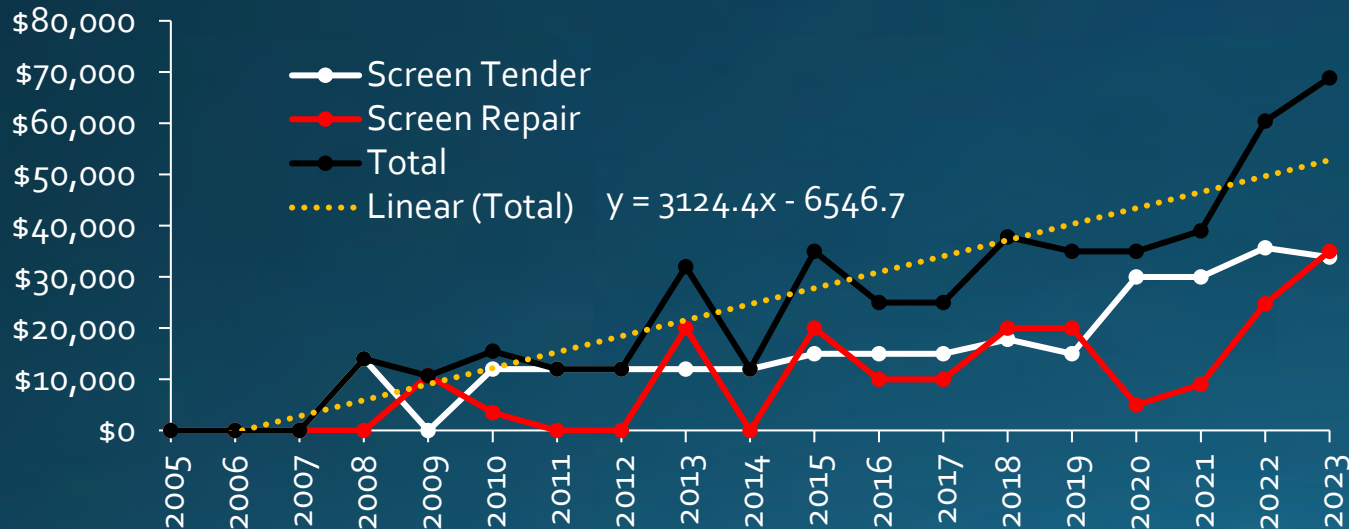




- Funded since 2005 for 1 temp.
- Two major driving routes
  - 310 miles – Montpelier route
  - 220 miles – Preston route
  - Screens visited once/wk. at least
  - Additional trips for repairs
- 21 IDFG managed screens, nine others paid for by ECC
- Costs for operating screens include:
  - New installations
  - Personnel – temp. and FTE time
  - Gas
  - Pickup rental/maint.
  - Tools, parts, equipment



- Early installation costs
  - 2005-2014
- Primarily O&M
  - 2015-current



- Total costs increasing
  - Coarse est. ~\$200K/yr. in 2063
- Operating cost currently equal to maintenance costs
- FTE allocated 20% time



# Screen project needs

- Additional temp. for any additional screens
  - Plus, vehicle and equipment
- Additional funding for ~3-mo. FTE time
- Long-term access agreements (facilitated by FTE)
- Screening prioritizations
  - Fish entrainment evaluations
- Action effectiveness
  - Fish population evaluations

