

Apache Trout

Delisting, Post-delisting Monitoring, and a Look Ahead



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Delisting

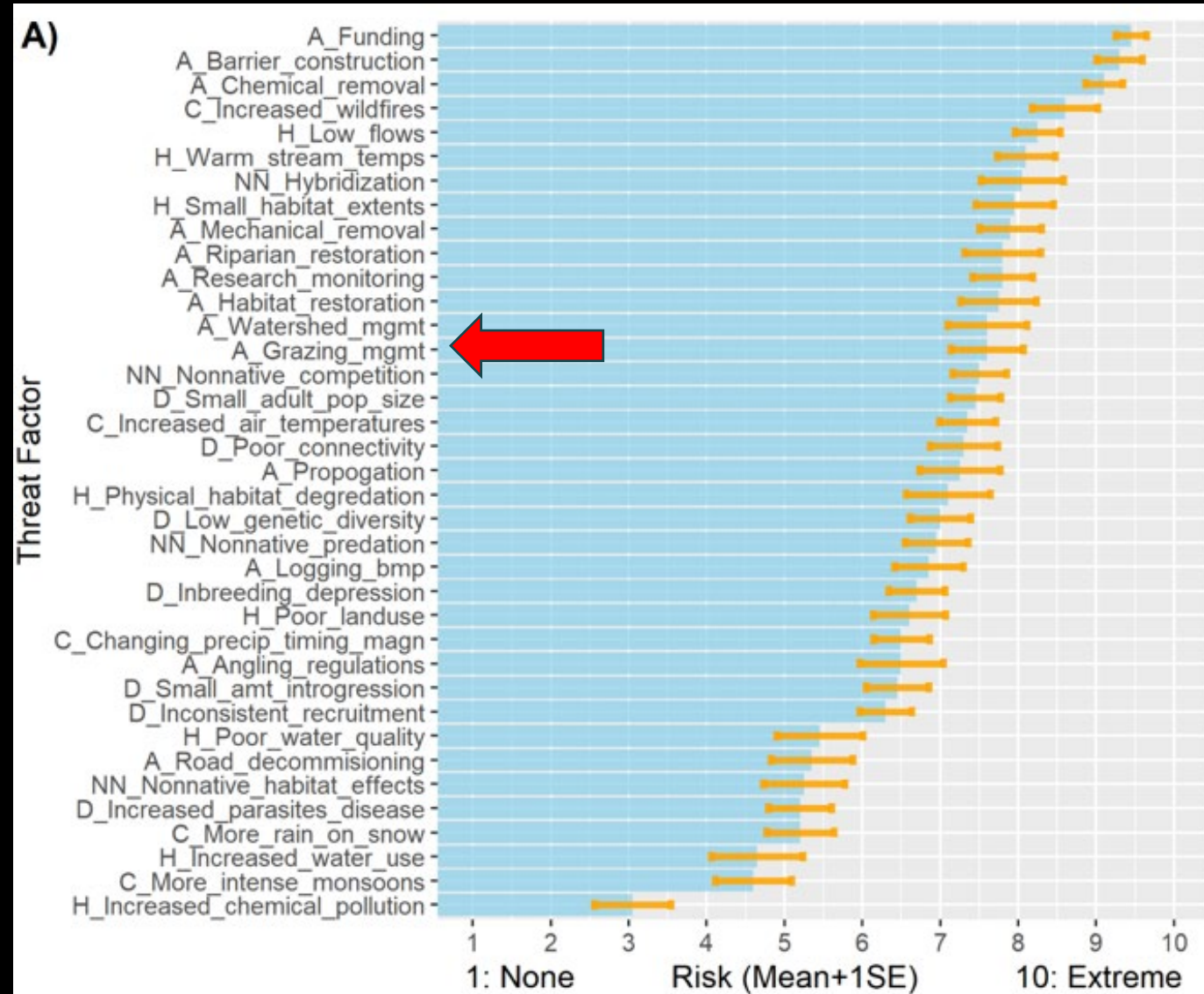
- Isolating populations
 - Gabion barriers
- Establishing new populations
 - Translocation
- Invasive salmonid management
 - Chemical treatment—eradication
 - Mechanical removal—suppression
- Habitat restoration
 - Ungulate exclusion



Change is SCARY!

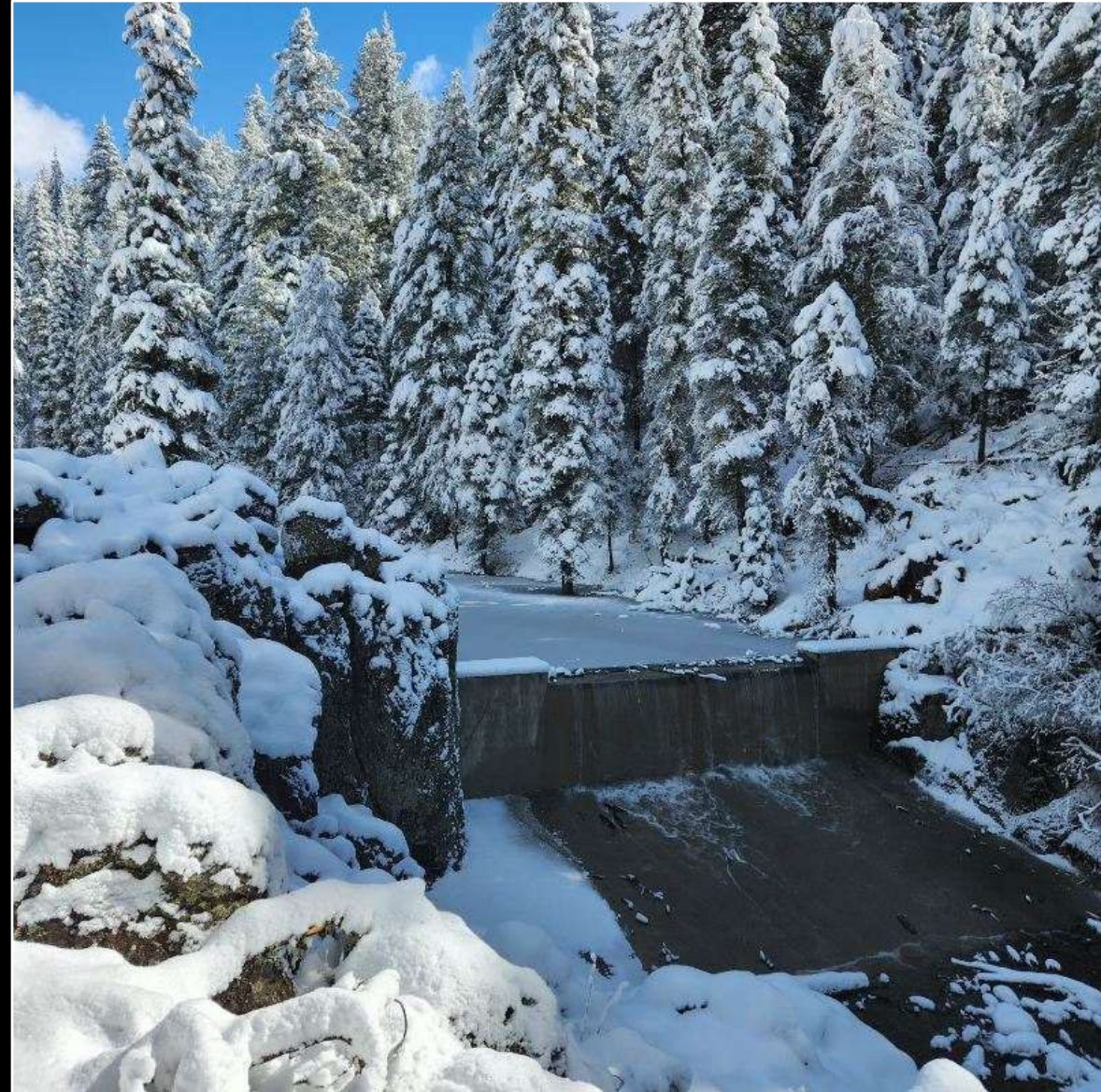
- Criticisms

- Need ESA safeguards
- Grazing
- Fires
- Nonnative trout
- Climate change



Delisting

- Invasive salmonid management
- Establishing new populations
- Protecting and expanding populations
- Improving fish passage
- Habitat restoration



Post-Delisting Monitoring

- Highly collaborative development
 - WMATGFD, AZGFD, AZFWCO, Trout Unlimited, USFS
- Implemented beginning in 2016
 - Backpack electrofishing
 - 3-pass depletion sampling
 - 20% of habitat
- Finalized in 2017
 - Updated in 2024

Apache Trout Monitoring Plan: Revised

2024



Credit: AZGFD



Credit: D. Dauwalter

Apache Trout populations are influenced by both short-term, stochastic events such as wildfire and long-term non-native species and land use impacts. Because of the need to determine the status of individual populations after stochastic events as well as assessing long-term changes periodically over time, the goals and objectives outlined in this plan are based on accurately and precisely estimating the status of Apache Trout populations on a 5-year interval.

A monitoring plan for small and isolated trout populations

Challenging Future



