

# Apache Trout Recovery on the Fort Apache Indian Reservation



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U.S. Fish and Wildlife Service  
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Office

White Mountain Apache Tribe Game and  
Fish Department







# Apache Trout Crew

Crew consisted of 20 individuals

- 4 crew leaders
- 16 crew members

Arizona Conservation Corps

- 1 crew leader
- 10 crew members

GS-5 Biological Science Technicians (2)

GS-4 Biological Student Trainees (7)



# Nonnative Removals



# Apache Trout Population Monitoring

- 2017 Monitoring Plan
  - Revised 2024 Plan
- 5-year rotation
- 20% of habitat sampled
- Three pass depletion





# 2023 Population Monitoring

- Coyote Creek
- Crooked Creek
- Firebox Creek
- Elk Canyon Creek
- Little Diamond Creek
- Moon Creek
- Paradise Creek
- Smith Creek





# Conservation Barriers





# Final Designs

## Big Bonito Creek

- ~2024
- 29.4 km

## Aspen Creek

- ~2025
- 13.7 km





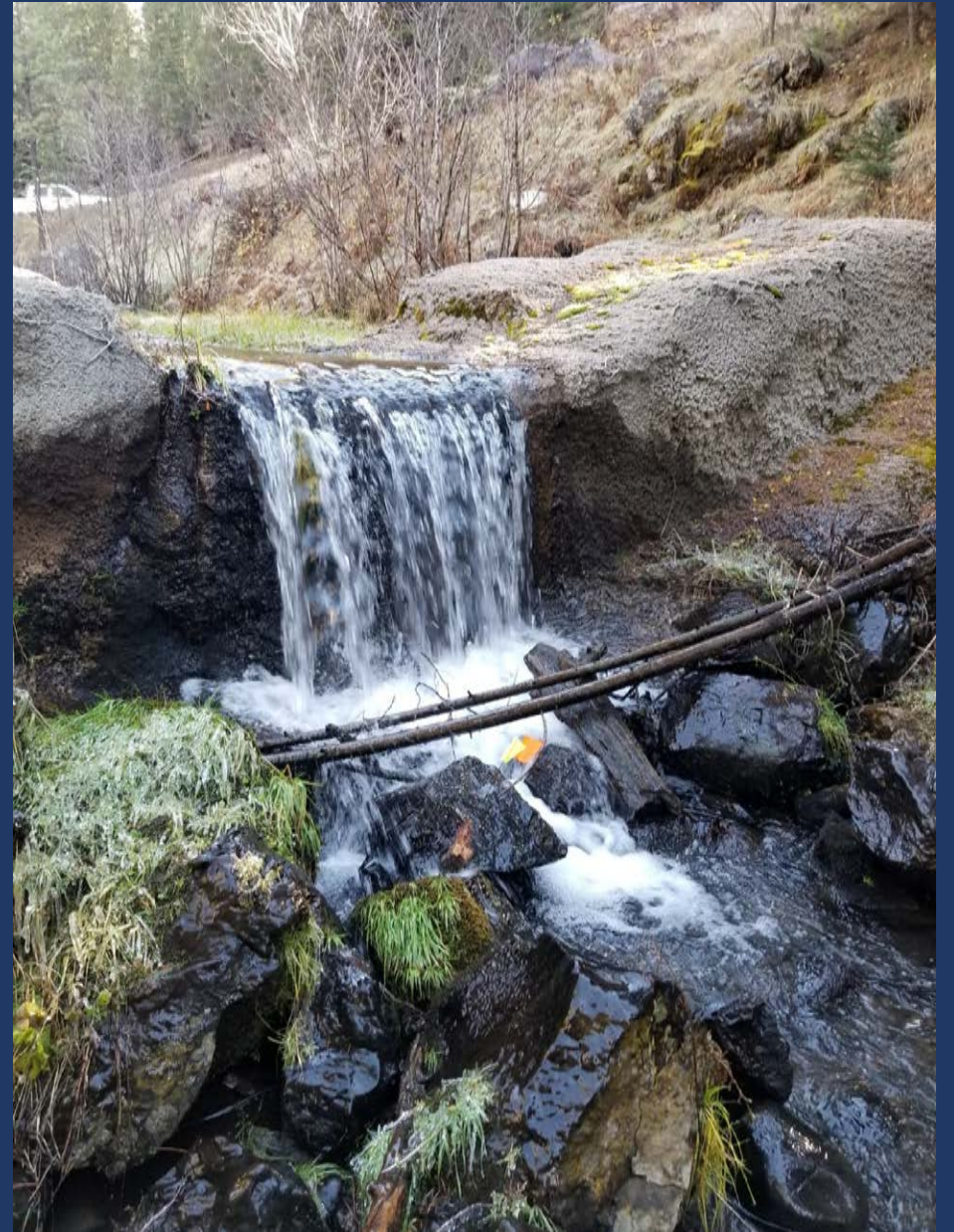
# Pre-final Designs

## Crooked Creek

- ~2025
- 7.8 km

## Flash Creek

- ~2024/2025
- 10.4 km





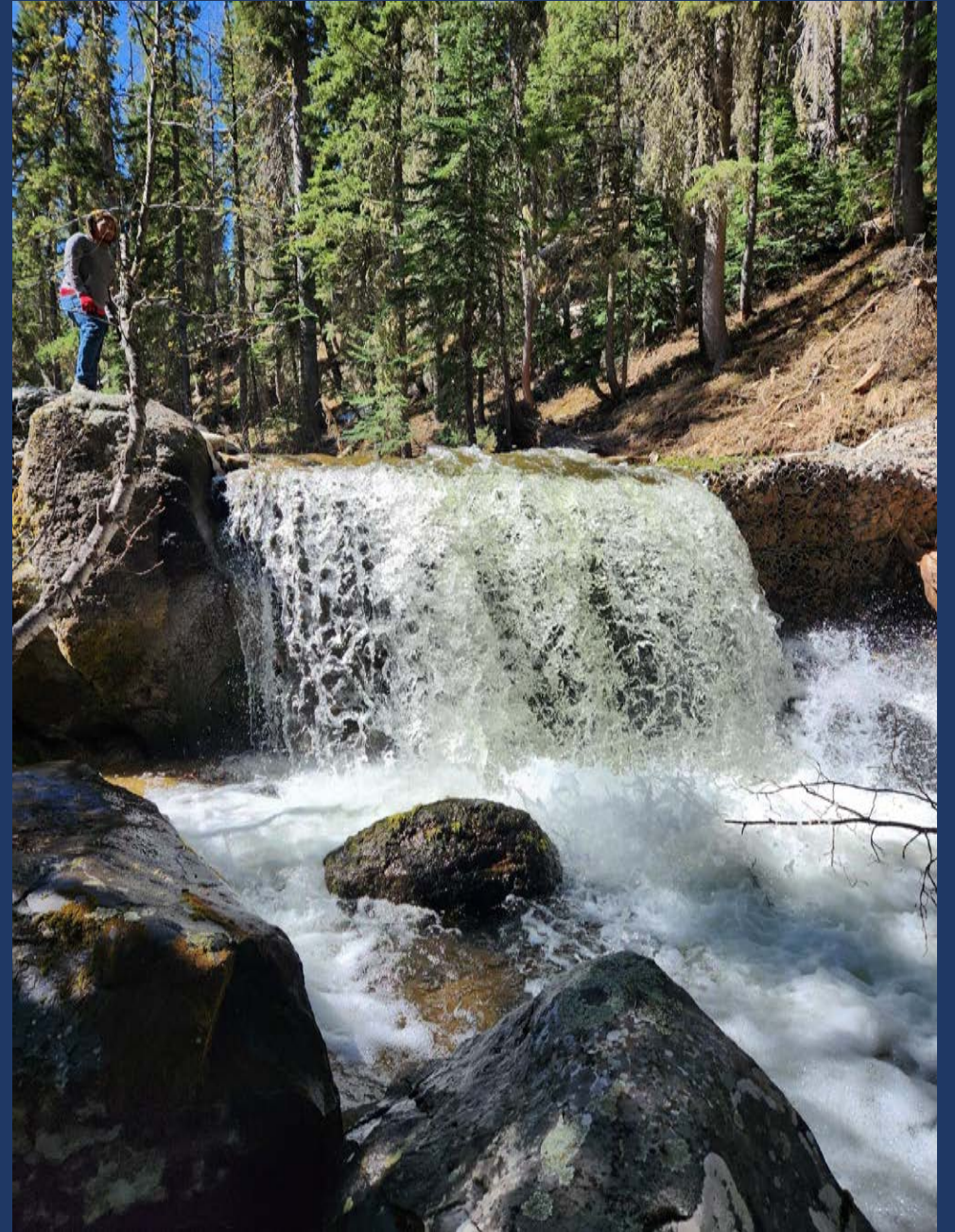
# Preliminary Designs in Contracting

## Paradise Creek

- ~2026
- 6.5 km

## Little Diamond Creek

- ~2026
- 9.6 km





# Preliminary Designs

## Little Bonito Creek

- ~2027
- 14.8 km

## Ord Creek

- ~2027
- 5.6 km

## Wohlenberg Creek

- ~2027
- 5.1 km





# Fish Passage

Crooked Creek

- 1 culvert

Deep Creek

- 8 culverts

Paradise Creek

- 3 culverts

Thompson Creek

- 3 culverts





# Translocation

Aspen  
Creek  
(FAIR)



Conklin  
Creek  
(ASNCF)





# Wild Apache Trout Milt Collection and Cryopreservation





# Flash Creek Restoration Project

## NFWF grant= \$100,000

- Goals
  - Construct enclosure fencing
  - Transplant native riparian vegetation
  - Instream restoration
- 2023 Accomplishments
  - Collected baseline stream measurements
    - Longitudinal profile
    - Cross sections
    - Pebble counts
    - Woody debris
    - Deployed HOBO temp loggers
    - Riparian habitat measurements
  - Population estimates





