

14330-A-079 - [WNTI07 Reopen 4 mi of Yellowstone cutthroat habitat Deep Creek, Salt River, ID](#)

Facility	Idaho Fisheries Resource Office
Expended	\$0
Objective	Restore declining fish and other aquatic resource populations before they require listing under the Endangered Species Act.
Primary Benefited Species	Yellowstone cutthroat trout (Oncorhynchus clarkii bouvieri)
Primary Benefited Population	Yellowstone Cutthroat Trout-Palisades-Salt River, ID
Plans	Memorandum of Agreement for Conservation and Management of Yellowstone Cutthroat Trout (<i>Oncorhynchus clarkii bouvieri</i>) among Montana, Idaho, Wyoming, Nevada, Utah, U S. Forest Service, Yellowstone National Park and Grand Teton National Park.
Keyword	Fish Passage
Project Number	14330-A-079
Partners	Caribou Targhee National Forest County of Bonneville

Accomplishments

2009 performance measures

This project has not yet specified any performance measures this fiscal year

2008 performance measures

This project reported no performance measures in

Accomplishment Summary

FY2009:

FY2008: This project was completed August 1, 2008. This project removed a culvert that blocked fish passage and replaced it with a new culvert in a newly constructed channel that will pass all life stages of fish and improve hydrologic function of the stream. These changes will also facilitate the long term viability of the YCT headwater population present within Deep Creek, tributary to the Salt River

Description

The importance to the Resource:

Surveys indicate that a population of 99% Yellowstone cutthroat trout (YCT) exists in Deep Cr. Telemetry studies conducted in 2005 tracked Yellowstone cutthroat trout movement in the Salt River, and confirmed that Jackknife Creek, tributary to Deep Creek, is one of three drainages utilized for spawning by fluvial YCT in the Salt River watershed.

The problem:

Salt River fluvial YCT attempt to move up Jackknife Creek annually, but are stopped at this road crossing, located ¾ miles upstream from the confluence with Jackknife Cr. on private land. A combination of culvert slope, stream constriction, and outlet drop have contributed to altered hydrology, channel incision, and blocked fish passage.

The objective:

The ultimate goals for this project are to 1) rehabilitate the degraded stream channel 2) restore fish passage 3) facilitate the long term viability of the YCT headwater population.

The method:

2008

Remove existing culvert at the Jackknife road crossing which is on private land. Design and place a new fish friendly open-bottom arch culvert in a new stream channel at a better suited location.

Pictures



Caption:

Deep Creek Jackknife Culvert pre project

Credit:

Corey Lyman, USFS

Description:

Jackknife Culvert on Deep Creek, tributary of Salt River. Culvert is perched, blocking passage for Yellowstone Cutthroat trout. Hydraulics from the culvert have altered the stream channel, resulting in an overwide and eroding channel.



Caption:

New Culvert on Deep Creek, Salt River drainage, Idaho

Credit:

Louis Wasniewski , USFS

Description:

Undersized and perched culvert that was creating headcuts was replaced with larger stream simulation culvert. Additionally, the channel below and upstream was reshaped and revegetated to eliminate the headcuts and function as a floodplain.