

Title/Owner

Title: 2008-035 - WNTI McDermitt Creek Fish Migration Barrier to Protect a LCT Population in McDermitt Creek Subbasin

Owner: Lahontan National Fish Hatchery

710 HIGHWAY 395
GARDNERVILLE, NV 89410
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Project details

Intended funding sources: NFHAP-WNTI

Field priority: unassigned **Regional priority:** unassigned

Share code: unassigned

Proposed Accomplishment Summary:

Efforts to prevent nonnative trout present in the Quinn River from accessing roughly 54 miles of connected LCT habitat in the McDermitt Creek subbasin, the largest metapopulation within the Northwest DPS are needed. A barrier is critical to the success of the efforts to remove nonnative trout. WNTI funds have been obtained to complete barrier design work to construct a barrier that passes high-volume flood flows and provides a water velocity barrier as well. Construction funds are needed.

The *importance* to the Resource:

The McDermitt Creek watershed metapopulation will provide approximately 54 miles of interconnected stream habitat without nonnative trout species. Research shows that metapopulations are necessary to LCT persistence and recovery.

The *problem*:

Nonnative trout negatively impact LCT through competition, predation and hybridization. Without the permanent, long-term barrier nonnative trout would be able to access this metapopulation which would severely affect recovery of LCT in the Northwest DPS.

The *objective*:

The long-term barrier is critical to the long-term success of the restoration and recovery efforts ongoing in the McDermitt watershed. Without the long-term, permanent barrier nonnative trout from the Quinn River will invade the watershed and seriously impacting LCT recovery efforts.

The *method*:

The long-term, permanent barrier will be designed and constructed as a velocity barrier which will provide average water velocities over the structure greater than the target nonnative trout's burst swimming speed. The barrier will also pass the high-volume flood flows.

Further description:

Additional Criteria

The anticipated year project construction will start - June 2009

Anticipated year it will be completed - June 2009

Whether or not the necessary permits have been obtained? No*

Is ongoing project operations and maintenance required ? Yes
Is the project eligible for other fund sources? Yes
Is the project a priority (need) in a Plan? Yes
State: Nevada Closest Town: McDermitt
Lat: 41.9693N Long: 117.8362W

Partner Info

Is the project confirmed as a State priority? Yes

Contact Information

Who's the project applicant? Allen Taylor, USFWS-Ecological Services, Reno, NV
The project manager (if different entity from applicant)?NA
The Landowner (if different entity)? BLM

*All permitting requirements will be completed Fall 2008.

Partners & friends groups

Bureau of Land Management
Bureau of Land Management, Vale District
Bureau of Land Management, Winnemucca District
Nevada Department Of Wildlife
Oregon Department of Fish and Wildlife
U. S. Forest Service
Western Native Trout Initiative

Strategic plan objectives

Primary

Recover fish and other aquatic resource populations protected under the Endangered Species Act.

Secondary

None specified

Species / populations

Primary Species/Population Benefited:

Lahontan cutthroat trout ([Oncorhynchus clarkii henshawi](#))

Secondary Species/Populations Benefited:

None specified

Nuisance Species Managed:

None specified

Congressional districts benefited

Click the district name for info about other work the FWS is doing in the district:

[NV02](#)

[OR02](#)

Other work the FWS is doing in the affected project states:

- [Nevada FWS area profile](#)

- [Oregon FWS area profile](#)

Funding

Fund	Year					Totals
	1	2	3	4	5	
131X	\$0	\$0	\$0	\$0	\$0	\$0
133X	\$116,600	\$0	\$0	\$0	\$0	\$116,600
Service Total	\$116,600	\$0	\$0	\$0	\$0	\$116,600

Estimated length: 1

Needed FTE's

Managers 0 Administrative 0

Biologists 0.1 Outreach specialists 0

Other Specialist / Scientist 0 Maintenance Worker 0

Technician / Fish Culturist 0

Plans / tasks

This project has not specified any Plans or Tasks to be worked on.

Performance measures

No measure estimates specified.