

STATE ACTIONS
Governor's Office of Planning and Budget
116 State Capitol, SLC, UT 84114
538-1535

1. Administering State Agency Utah Division of Wildlife Resources P. O. Box 606 Cedar City, UT84721	2. State Application Identifier Number: (assigned by State Clearinghouse) 3. Approximate date project will start: Late summer 2004
4. Areawide clearinghouse(s) receiving state action: (to be sent out by agency in block 1) Six County Commissioners Organization; Five County Association of Governments	
5. Type of action: // Lease // Permit // License // Land Acquisition // Land Sale // Land Exchange /x/ Other Fisheries enhancement	
6. Title of proposed action: Cooperative Fisheries Enhancement Project - Additional waters	
7. Description: The Cooperative Fisheries Enhancement Project, which originally included eight streams, one reservoir and one marsh area, was initially proposed, reviewed and approved by the Six County Commissioners Organization and the Five County Association of Governments in late summer of 2003. Following initial review and surveys, one stream (Pine Canyon Creek) was removed and three streams (Willow Creek, Upper Clear Creek, Pine Creek /Bullion Canyon) were added to the list of project waters. This State Action Form includes the final list of waters proposed for the Cooperative Fisheries Enhancement Project. Formal scoping to comply with NEPA is currently underway for the final list of project waters. Native trout will be introduced into ten streams to establish self-sustaining populations. Streams that currently contain nonnative trout will be treated with the fish toxicant rotenone to remove all fish prior to the introduction of native trout. Fish-migration barriers will be constructed on streams where barriers currently do not exist to prevent re-invasion by nonnative fish. In addition, a reservoir will be treated with rotenone to remove golden shiners and improve sport fishing. A marsh area will be treated with rotenone to remove carp and improve waterfowl use and production. See attachment A for a more detailed description of the project and its components.	
8. Land affected (site location map required) (indicate county) See attached maps and location description.	
9. Has the local government(s) been contacted? Yes. The original project list of waters was presented to the Garfield, Beaver and Sevier County Commissions at their regular commission meetings in March and April 2003. The original project was reviewed and approved by the Six County Commissioners Organization and the Five County Association of Governments in 2003. A copy of the the current State Action Form, including the revised list of project waters was sent to the Six County Commissioners Organization and the Five County Association of Governments.	
10. Possible significant impacts likely to occur: Nonnative trout will be removed from sections of eight streams. Native trout will be established in ten streams, helping decrease the threats to those species and insure their long-term conservation as outlined in formal conservation agreements and strategies. These actions will help to preclude the listing of these species under the Endangered Species Act. Treatments at a reservoir and marsh area will improve sportfishing and habitat for waterfowl. See attachment.	
11. Name and phone of district representative from your agency near project site, if applicable: Mike Ottenbacher, UDWR aquatics biologist (435) 865-6106	
12. For further information, contact: M. Ottenbacher, UDWR, P.O. Box 606, Cedar City, UT 84721 Phone: (435) 865-6106	13. Signature and title of authorized officer Douglas Messerly, UDWR Southern Region Supervisor Date: June 4, 2004

Attachment A
STATE ACTION
Cooperative Fisheries Enhancement Project

7. Additional details for Project Description:

The Fishlake National Forest (NF), the Dixie NF, BLM Richfield Field Office, and Utah Division of Wildlife Resources are proposing to establish populations of native trout (Bonneville cutthroat trout or Colorado River cutthroat trout) in ten streams in south central and southwestern Utah. Nonnative trout in project streams would be removed where they are present. Fish migration barriers would be constructed where necessary to prevent the reinvasion of nonnative trout. Native trout from “core” populations or fish produced from UDWR native trout broodstocks would be introduced to establish self-sustaining populations. In addition, nonnative fish would be removed from one reservoir and one marsh area, where they impact a sport fishery and waterfowl use and production.

The proposed action is to expand the range and number of populations of native trout within their historic range. The action implements conservation actions listed in conservation agreements and strategies for native trout in Utah. It follows recommendations from the FWS to reduce threats to native trout and provide for the long-term conservation of the species. The proposed action for the reservoir will improve survival and growth of stocked trout at the reservoir and result in improved fishing and recreational opportunities. The proposed action at the marsh area will improve water quality and forage conditions for waterfowl. Improved use by waterfowl will increase hunting, wildlife watching and other recreational opportunities. Actions will be implemented during the period 2004-2009.

The following design features would be implemented as part of the proposed action:

- ❑ Nonnative trout in project streams will be removed using the toxicant rotenone. Drainages will be treated on two consecutive years to insure complete removal. In drainages where it is necessary to minimize impacts downstream, potassium permanganate will be used to detoxify the stream below the target area.
- ❑ Rotenone is a naturally occurring fish toxicant which is toxic to only fish, some aquatic invertebrates, and some juvenile amphibians at the concentrations planned for the project. It is not toxic to humans, other mammals, and birds at the concentrations used to remove fish. It has been widely used in the United States since the 1950's.
- ❑ Fish-migration barriers will be constructed at the downstream end of project stream reaches where naturally occurring or manmade barriers do not already exist. Barriers will generally consist of small check dams constructed of boulders and large rocks, creating a vertical drop of approximately 5 ft on the downstream side. Locations for barriers will be selected to utilize naturally occurring drops which can be enhanced and where the stream channel and floodplain is confined to minimize the size of the structure and the amount of water impounded behind the check dam/barrier. Where feasible, two barriers will be constructed near the downstream end of project stream reaches to help insure their effectiveness. In some instances, barriers may be created by modifying or enhancing structures such as culverts at stream crossings or diversion structures. All barrier construction will comply with laws, regulations, and permitting requirements of the State Engineer for stream channel alteration.
- ❑ Following the second rotenone treatment and construction of fish migration barrier(s), native trout will be introduced into project stream reaches from “core” populations or from fish produced by UDWR native trout broodstocks. All transfers or stocking of fish will comply with Utah State Department of Agriculture rules and UDWR policies.
- ❑ One reservoir and connecting waterways will be treated with rotenone to remove golden shiners. The treatment will consist of a one-time application in late summer or fall. Trout will be restocked in the reservoir as soon as feasible following the treatment – during the spring following the treatment at the latest.
- ❑ One marsh area will be treated with rotenone to remove carp. All fish will be removed by the treatment.
- ❑ Projects will be implemented during the period 2004-2009.

Table 1. Water name and description, target species for rotenone treatment, and objective of project.

Water Name	Location	Approx stream length / Reservoir area	Target species / Comment	Objective
Cottonwood Creek	T 33S, R 21/2W Garfield Co.	2 miles	NA / Stream is likely fishless and rotenone treatment not required. Barrier construction may be necessary.	Establish Bonneville cutthroat trout
Deer Creek	T 32S, R 21/2W Garfield Co.	14 miles	Rainbow trout, nonnative cutthroat trout, brown trout. / Barrier construction may be necessary.	Establish Bonneville cutthroat trout
Fish Creek	T 26S, R 5W, Piute Co., Sevier Co.	14 miles	Rainbow trout, brown trout. / Barrier construction may be necessary.	Establish Bonneville cutthroat trout
Kent's Lake	T 30S, R 5W, Sec 6, Beaver Co.	48 acres	Golden shiner. / Project removes shiners which compete with stocked trout.	Normal annual stocking of rainbow trout, brook trout will resume following treatment.
North Creek	T 28S, R 5&6W Beaver Co.	16 miles	Rainbow trout, brown trout. / North Fk of North Cr contains native trout already. Project will remove nonnative trout from lower portion of North Fk and all of South Fk, followed by reintroduction of native trout.	Establish Bonneville cutthroat trout
Pine Creek (Bullion Canyon)	T28S, R4W Piute Co.	4 miles	Nonnative cutthroat trout. Target area is from falls to headwaters. New stream section added to original project list	Establish Bonneville cutthroat trout. .
Pole Canyon / Three Creeks	T 25S, R 5W Sevier Co.	12 miles	Rainbow trout. / Barrier construction will be necessary	Establish Bonneville cutthroat trout
Redmond Marsh	T 26S, R 5&6W Sevier Co.		Carp. / Project to improve waterfowl habitat. Does not include Redmond Reservoir.	N/A
Shingle Creek	T 26S, R 5&6W Piute C., Sevier Co.	9 miles	Rainbow trout, brown trout. / Barrier construction will be necessary.	Establish Bonneville cutthroat trout
Tasha Creek	T 25S, R 2E Sevier Co.	5 miles	Brook trout. / Barrier construction will be necessary.	Establish Colorado River cutthroat trout
Willow Creek	T 21S, R 2E Sevier Co.	3 miles	Rainbow trout, RT X CT hybrids. Project to expand small remnant population in hedwaters if genetics testing confirms purity. New stream added to original project list	Expand population of Bonneville cutthroat trout
Upper Clear Creek	T 25S, R5W	2 miles	Rainbow trout and brown trout. Barrier construction would be necessary. Target area is section above confluence with Shingle Creek. New stream section added to original project list	Establish Bonneville cutthroat trout

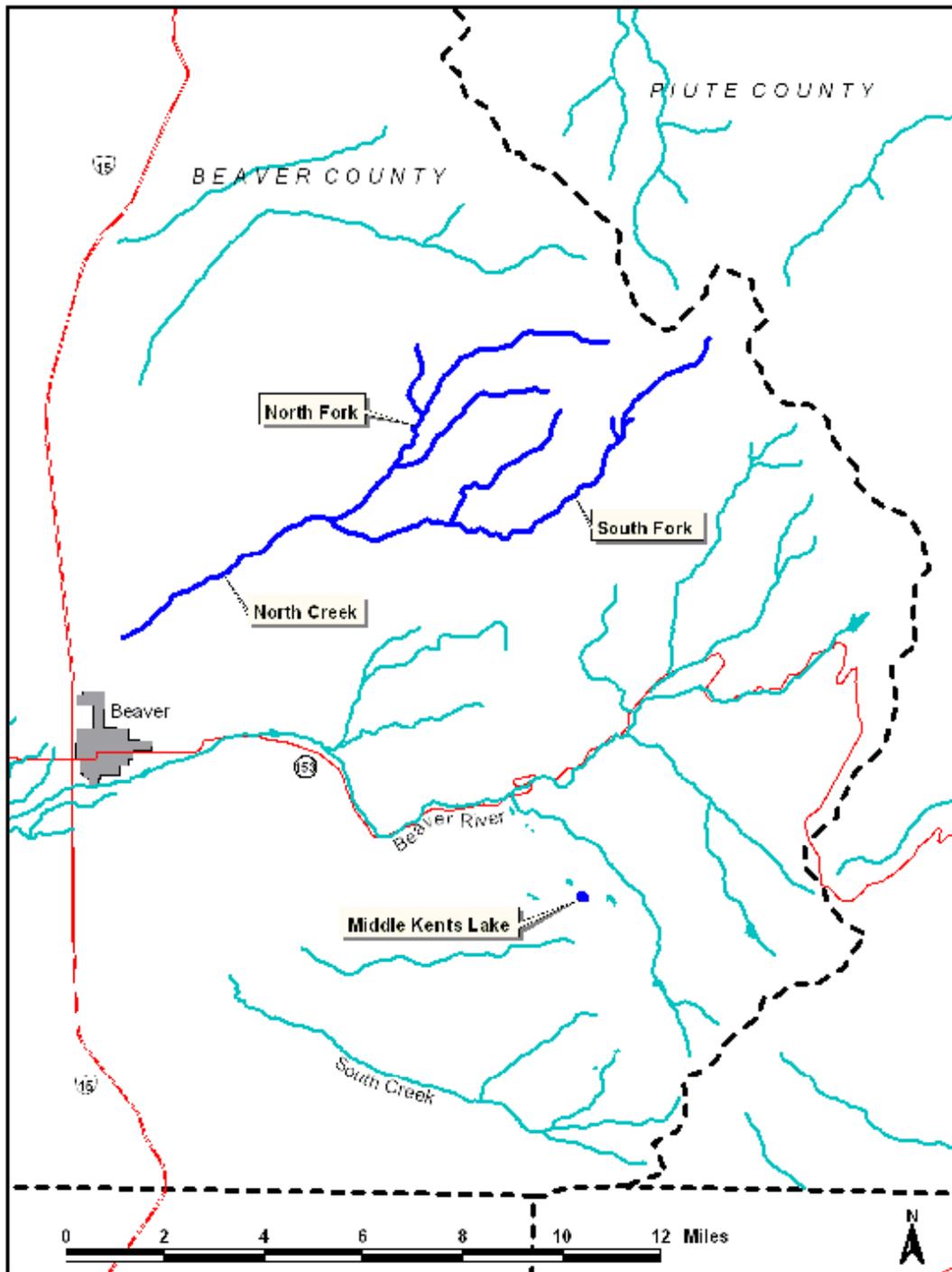


Figure 1. Map showing location of Cooperative Fishery Enhancement Project waters in Beaver Co.

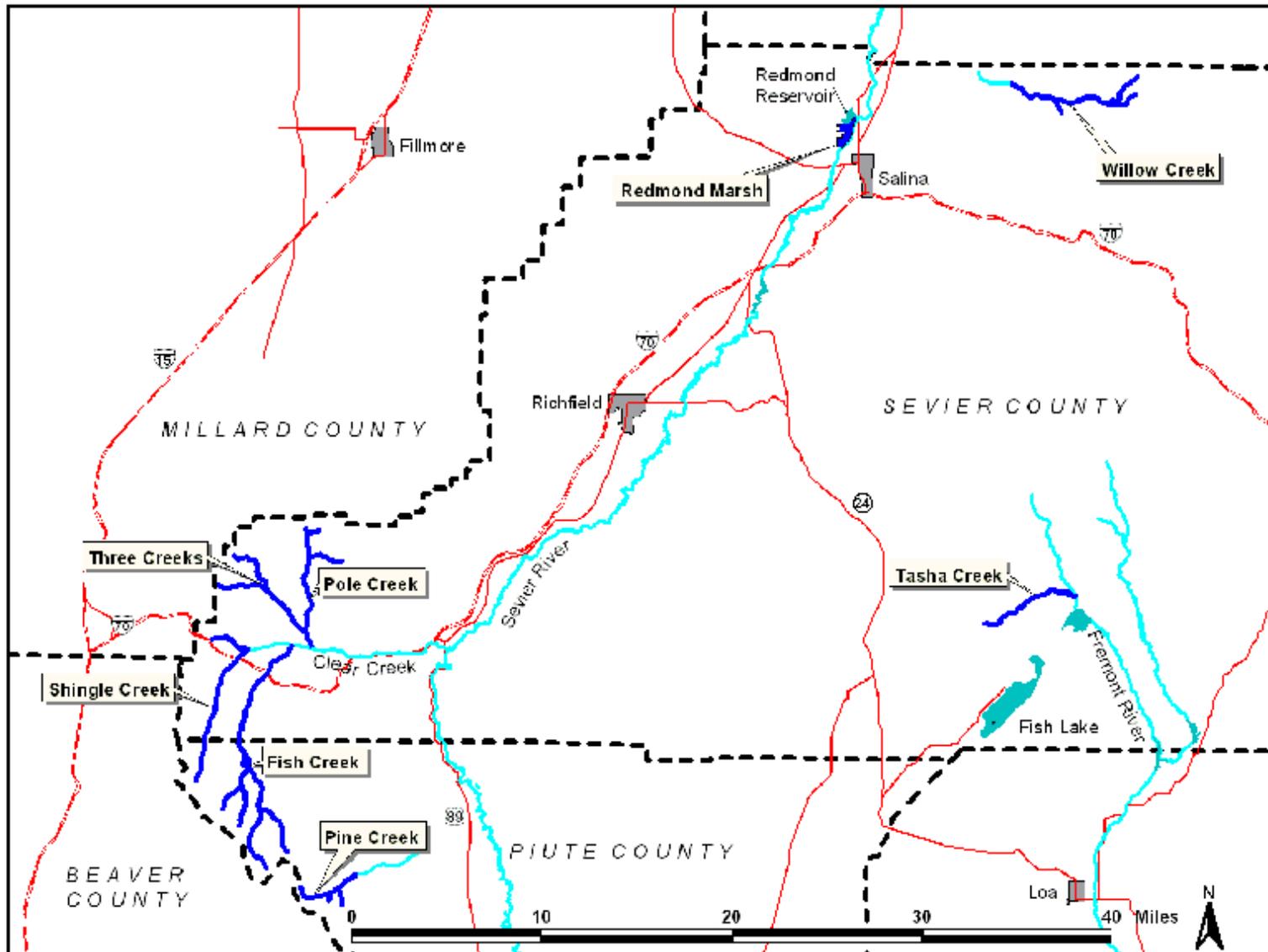


Figure 2. Map showing location of Cooperative Fishery Enhancement Project waters in Sevier Co.

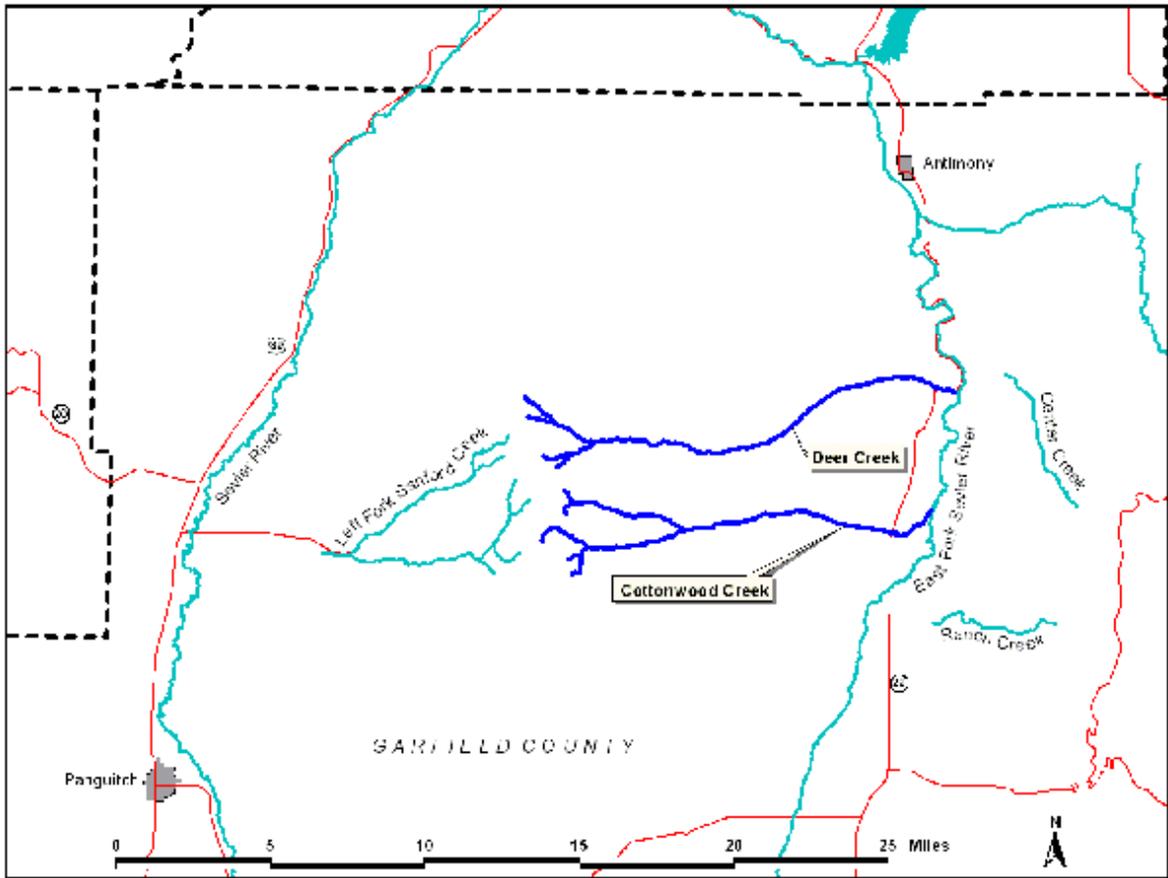


Figure 3. Map showing location of Cooperative Fishery Enhancement Project waters in Garfield Co.