



NFWF

Klamath Basin Salmon Restoration Program

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PARTNERS

- Bureau of Reclamation
- Natural Resources Conservation Service

ABOUT NFWF

Chartered by Congress in 1984, the National Fish and Wildlife Foundation (NFWF) protects and restores the nation's fish, wildlife, plants and habitats. Working with federal, corporate and individual partners, NFWF has funded more than 6,000 organizations and generated a total conservation impact of \$8.1 billion. NFWF is an equal opportunity provider.

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Chinook salmon

OVERVIEW

The National Fish and Wildlife Foundation (NFWF), the Bureau of Reclamation (Reclamation), and the U.S. Department of Agriculture Natural Resource Conservation Service (NRCS) announced a 2023 round of funding for Klamath Basin Salmon Restoration Program projects. Eleven new or continuing water conservation and management grants totaling more than \$6 million were awarded. The 11 awards announced generated nearly \$9.4 million in match from the grantees, providing a total conservation impact of \$15.4 million.

The Klamath Basin Salmon Restoration Program is intended to conserve native resident and anadromous fish in the Klamath River Basin. Located in Southern Oregon and Northern California, the Klamath River is an extremely productive watershed, with extraordinary terrestrial and aquatic biodiversity. River, riparian, lake and wetland habitats in the basin historically supported healthy populations of culturally and economically important fish such as the Southern Oregon/Northern California Coast (SONCC) coho salmon and the Lost River and shortnose suckers. Today, fish and wildlife vitality is threatened in the Klamath Basin with over a dozen native fish species listed under the Endangered Species Act. There is a critical need to restore water quality, water quantity and the aquatic and terrestrial habitats of the Klamath Basin for the benefit of fish, wildlife and the health and cultural heritage of human communities.

Since NFWF began funding habitat restoration and water transaction work in the basin almost 30 years ago, more than \$16 million has been awarded for over 120 projects in this vital landscape. Initial investments focused on identifying high-priority conservation areas, data collection and removal of non-native plant species. In recent years we have expanded the breadth of our conservation work to encompass the entire basin, tackling large-scale habitat restoration, water quality improvement, habitat connectivity and on-farm water management projects to benefit fish, wildlife and people. Currently, NFWF has robust partnerships in the Klamath Basin with three federal entities: the Bureau of Reclamation (Reclamation), the Natural Resources Conservation Service (NRCS) and the U.S. Fish and Wildlife Service (FWS).

(continued)

Deadwood Creek Sediment Reduction Project (CA)

Grantee: Northwest California Resource Conservation & Development Council

Grant Amount:..... \$98,900
 Matching Funds:.....\$5,800
 Total Project Amount:..... \$104,700

Prevent sediment delivery to Deadwood Creek, a major tributary to the Trinity River, to improve anadromous salmonid habitat. The project will remove legacy mine tailings from Mill Gulch, decommission Thorne Gulch Road, install and enhance 12 rolling or critical dips, remove abandoned vehicles and debris from stream channels and floodplains, install a gate to prevent further damage and build stream enhancement features in Thorne Gulch.

Douglas City Community Services District Feasibility Study for Fish Habitat Improvement in Trinity River Tributaries (CA)

Grantee: Watershed Research and Training Center

Grant Amount:..... \$78,800
 Matching Funds:.....\$5,600
 Total Project Amount:..... \$84,400

Assess the economic feasibility of creating and maintaining a community services district (CSD) to provide a stable water supply to residents in rural Douglas City (Trinity County, California) to leave water instream for improved habitat connectivity for steelhead, coho and Chinook salmon in Browns and Reading creeks, tributaries to the Trinity River. The project would assist in determining if a CSD is an economically viable option to achieve environmental and community benefits under an increasingly dry climate.

East Weaver Creek Dam Removal and Intake Relocation Phase II (CA)

Grantee: Northwest California Resource Conservation & Development Council

Grant Amount:..... \$120,600
 Matching Funds:..... \$0
 Total Project Amount:..... \$120,600

Remove a complete barrier to aquatic species including the threatened Southern Oregon/Northern California Coast coho salmon and restore fish passage to approximately 2.5 miles of cold-water habitat. The project will enable upstream fish migration for all life stages of all fish species in East Weaver Creek, tributary to the Trinity River.

Hole-in-the-Ground Ranch Water Quality and Flow Enhancement Project (CA)

Grantee: California Trout

Grant Amount:..... \$880,200
 Matching Funds:..... \$1,935,300
 Total Project Amount:..... \$2,815,500

Replace an earthen Gravity Ditch with a pipeline to increase water delivery efficiency on a working cattle ranch. Project

will upgrade water delivery infrastructure, including installation of a new diversion intake structure with a fish screen, to provide water quality and flow enhancement benefits for up to 15 miles downstream on the Shasta River, a critical stretch of habitat for all life stages of threatened Southern Oregon/Northern California Coast coho salmon.

Humbug Creek Upslope Fish Habitat Restoration and Monitoring (CA)

Grantee: Yurok Tribe

Grant Amount:..... \$216,100
 Matching Funds:..... \$242,700
 Total Project Amount:..... \$458,800

Design, permit, implement and monitor upslope fish habitat restoration in select reaches of the Humbug Creek watershed area that were severely damaged by the McKinney Fire. The U.S. Forest Service Burned Area Emergency Response program estimates that about 57 miles of Coho Critical Habitat and 76 miles of fish habitat were affected by the McKinney Fire, including habitat in the mainstem and tributaries to the Klamath River. The project will focus restoration on burned tributaries containing the largest proportion of Southern Oregon/Northern California Coast coho salmon habitat.

Indian Creek Fish Passage Barrier Removal Feasibility Project (CA)

Grantee: Yurok Tribe

Grant Amount:..... \$184,800
 Matching Funds:..... \$11,000
 Total Project Amount:..... \$195,800

Evaluate conditions that create a barrier to anadromous fish passage throughout a reach of Indian Creek, a tributary to the Trinity River, with a constriction point in the Indian Creek valley. The project will create a shovel-ready project to remove a significant barrier to fish passage and reopen 7.5 miles of stream and 85 acres of habitat suitable for threatened Southern Oregon/Northern California coast coho salmon, among other aquatic species.

McGarvey Creek Coho Habitat Enhancement & Stewardship (CA)

Grantee: Yurok Tribe

Grant Amount:..... \$58,200
 Matching Funds:..... \$131,800
 Total Project Amount:..... \$190,000

Enhance spawning populations of coho, Chinook, steelhead and coastal cutthroat habitat within McGarvey Creek, tributary to the Lower Klamath River. Project will maintain and enhance existing beaver dam analogue sites, install additional constructed wood jams and build post assisted log structures.



Coho salmon

Red Cap Creek Off Channel Habitat Design Project (CA)

Grantee: Mid Klamath Watershed Council
 Grant Amount:..... \$225,800
 Matching Funds:..... \$11,100
 Total Project Amount:..... \$236,900
 Design restoration plans for two high priority Southern Oregon/Northern California Coast coho salmon habitat sites on Rep Cap Creek, tributary to the Klamath River. The project will utilize off channel rearing ponds and woody debris placement to enhance connectivity and create new sheltered spawning habitat.

Shasta River Fish Passage and Instream Enhancement (CA)

Grantee: Shasta Valley Resource Conservation District
 Grant Amount:..... \$1,442,200
 Matching Funds:..... \$3,685,700
 Total Project Amount:..... \$5,127,900
 Remove one of the last impediments to fish passage on the Shasta River, regrade and stabilize the river with a roughened channel and riparian plantings, replace approximately 12,100 feet of unlined open-earth irrigation ditch to a buried pipeline conveyance, and install soil moisture sensors and other irrigation efficiency measures. Project will enhance access to over 31 miles of critical spawning and juvenile rearing habitat upstream and improve water quality and aquatic habitat downstream for Southern Oregon/Northern California Coast coho salmon.

Shasta River Stream Flow Enhancement Through Canal Lining Implementation Phase V (CA)

Grantee: Montague Water Conservation District
 Grant Amount:..... \$1,229,100
 Matching Funds:..... \$1,966,000
 Total Project Amount:..... \$3,195,100
 Line 5,700 feet of Montague Water Conservation District's Main Canal with shotcrete to prevent transmission loss. The project will utilize improved irrigation technology to permanently provide 718 acre feet annually for instream benefit to threatened Southern Oregon/Northern California coast coho salmon.

Upper Parks Creek River Flow Enhancement Design (CA)

Grantee: Montague Water Conservation District
 Grant Amount:..... \$1,521,500
 Matching Funds:..... \$1,400,000
 Total Project Amount:..... \$2,921,500
 Enhance stream flow conditions for threatened Southern Oregon/Northern California coast coho salmon in Parks Creek, tributary to the Shasta River, to improve spawning and passage, juvenile redistribution and out-migration. The project will finalize a design for and implement improvements to existing water diversion infrastructure to provide year-round fish passage via an estimated average of 1,200 additional acre feet of instream flow per year.