

Help is at Hand

for Warner Sucker and Warner Redband Trout

An innovative partnership that increases fish access to habitat for these imperiled species also assists ranchers.

Through this collaboration, unique new fish passage designs show encouraging success.

A photograph showing a person's hands holding a large, silvery fish with a reddish-brown stripe along its side, likely a Warner Redband Trout, underwater. The person is wearing dark waders. The background shows a rocky stream bed and water ripples. The overall scene is underwater, with light filtering through the water.

Warner Basin Aquatic Habitat Partnership

Water is the Key to Survival in the Oregon Outback

The Warner Lakes Watershed is an environment of extremes. Spring rain and snowmelt surge into raging torrents that dwindle to a trickle by late summer. Stream flow challenges resilient fish, as well as farmers and ranchers. All depend on the precious water.

Water diversions built for the working landscape have had unintended consequences for once-abundant fish, particularly for two native species. The Warner sucker was listed as Threatened on the Endangered Species list in 1985. The Warner redband trout is listed as a Federal/Oregon Sensitive Species. Unlike extreme conditions, water diversions are something people can change.

Warner Sucker and redband trout found in Twentymile creek.



The Warner Basin Aquatic Habitat Partnership

The partnership was formed to improve stream connectivity and habitat. Six organizations have joined forces with local landowners and irrigators to establish a plan that will assist ranchers and help with the recovery of Warner sucker and Warner redband trout. Success of the program depends on the willing participation of landowners and water users who manage the land.



Background photo is Warner Lakes



Location	Description	Date
Honey Creek	Two fish passage projects	January 2019
Deep Creek	Rock-ramp fishway and irrigation structure replacements	January 2019
Twentymile Creek	Multiple fish passage projects	January 2019



Stage One: *Honey, Deep and Twentymile Creeks*

The partnership took aim at three creeks blocking fish passage. With investments in new research, unique designs were developed. Not only would these updated diversions improve fish passage, but they would also replace old, rusted and leaking structures with ones that are safer and easier to maintain.

As of January, 2019, two new fish passage projects were installed on Honey Creek. Deep Creek adaptations include a rock-ramp fishway and irrigation structure replacements. Along Twentymile Creek, improved fish passage was developed at multiple locations.

Data monitoring the projects already show that the fish passage improvements are working.



Strategic Action Plan and Success

Based on the results thus far, ten additional projects are planned over the next six years on the three creeks. The Warner Basin Aquatic Habitat Partnership's 2018 Strategic Action Plan sets a course to meet the recovery criteria for the fish. It is important that the fish can pass through diversions that formerly were barriers. Recovering imperiled species is a challenge, but for these two fish, and Warner Basin stakeholders, success is well on its way.

Local landowners are partners in the recovery of these fish.



Warner Basin Aquatic Habitat Partners



Lake County Soil and Water Conservation District

