

Trout Unlimited, The Nature Conservancy, U.S. Fish and Wildlife Service, and Oregon Department of Fish and Wildlife (ODFW) are partnering to reduce the risk of entrainment to Bull Trout (*Salvelinus confluentus*) and Redband Trout (*Oncorhynchus mykiss newberryi*) in Long Creek on the Sycan Marsh Preserve. The Long Creek population of Bull Trout is the only remaining population of Bull Trout in the Sycan River Core Area, and eliminating the risk of entrainment is listed as an important recovery metric in the Klamath Recovery Unit Implementation Plan for Bull Trout.

Currently, the Long Creek population of Bull Trout is the only remaining population in the Sycan River Core Area. The existing irrigation infrastructure along Long Creek serves as a direct risk to Bull Trout due to the possibility of entrainment in unscreened irrigation diversions. The installation of a fish screen at the the point of diversion for the Small's Ditch will ensure that Bull Trout remain in Long Creek and do not enter the irrigation infrastructure. Currently, the diversion is unscreened and Bull Trout that enter the weir are effectively lost to the population. Installation of a fish screen is critical to the long-term persistence of Bull Trout in the Sycan River Core Area.

A large diversion along lower Long Creek provides irrigation water via Small's Ditch to the Sycan Marsh Preserve and adjacent private properties. The approximate diversion rate is 13.4 cubic feet per second. The diversion is currently unscreened, and Bull Trout occupy the portion of Long Creek immediately upstream from the diversion site. The diversion site is located on the Sycan Marsh Preserve and is easily accessible from the Forest Service 27 Road.

Oregon Department of Fish and Wildlife engineers will lead the design phase of the project, in close conjunction with the project team and the private landowners who use water from the Small's Ditch. The ODFW Central Point Screen Shop will then fabricate and install the screen. We expect the fish screen to be installed during the 2023 or 2024 in-stream work window. Trout Unlimited, The Nature Conservancy, and the U.S. Fish and Wildlife Service will partner to complete and acquire all permitting and compliance necessary for project implementation.

The funding from NFPP will be used for fabrication and installation of the fish screen.

Environmental compliance has not been completed for this project. For the design phase, no compliance or permits will be necessary. For the implementation phase, Section 106, Section 7, and DSL/Army Corps Removal/Fill Permits will be necessary. Project partners will work with the appropriate agencies to complete compliance and permitting before implementation.