

4330-2009-882 St. Charles Creek Fish Screen and Habitat Stabilization

State(s): Idaho

Managing Agency/Organization: Trout Unlimited

Type of Organization: Non-Governmental Organization

Project Status: Completed

Project type: WNTI Project

Project action(s): Fish passage, Watershed, In-stream and riparian habitat

Trout species benefitted: Bonneville Cutthroat

Population: Bear Lake Bonneville Cutthroat trout

This project will eliminate entrainment mortality of adfluvial Bonneville cutthroat trout at the largest remaining unscreened irrigation diversion on St. Charles Creek. Specifically, it will directly address the following NFHAP goals:

- Reverse declines in the quality and quantity of aquatic habitats to improve the overall health of fish and other aquatic organisms.
- Increase the quality and quantity of fish habitats that support a broad natural diversity of fish and other aquatic species.
- Increase fish and therefore fishing opportunities

In April 2011, the St. Charles Creek project was named a National Fish Habitat Initiative "10 Waters to Watch" water.

2012 Project Update: The existing non-functional vertical flat plate screen was replaced with two hydraulically driven nine-foot long rotary drums. Lateral stream bank erosion occurred during the high flows of 2011, and a hardened bank using large cobbles and large woody debris placement to stabilize the eroding bank was installed. Native riparian vegetation is reestablishing on the disturbed soil. Final construction details have been completed.

Objectives:

- Install a fish Screen to prevent entrainment
- Stabilize and Improve stream bank and channel

Partners:

- Trout Unlimited,
- Natural Resource Conservation Service

Funding Source(s):

- National Fish Habitat Action Plan

Project cost: \$126,400.00

Start Date: 06/01/2010 **Completion Date:** 11/30/2012

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