



# **Battle Creek Restoration Project**

**Contract #: 56665**

**Project #: 1992-026-01**

**Completion Report**

**May 2012 – June 2014**

**Completed by: Joe Platz**

**United States Forest Service**

**Wallowa-Whitman National Forest**

**LaGrande Ranger District**

**LaGrande, OR**

**November 26, 2014**

# Battle Creek Restoration Project

Within the project area, there are 2.5 miles of Snake River Basin summer steelhead and redband trout spawning and rearing habitat on Battle Creek. The remainder of the streams within the project area (5.25 miles) contain sections of perennial and intermittent stream flow. The project is located approximately .5 miles upstream of rearing spring/summer chinook habitat within Meadow Creek. The objectives were to improve summer steelhead habitat and downstream chinook habitat, specifically through improving or increasing the following habitat elements.

- Improve floodplain connectivity and function
- Improve water capture, storage and safe release within the floodplain
- Increase quantity and quality of pools, fish cover, and habitat complexity within Battle Creek
- Improve riparian habitats
- Decrease erosion caused by livestock use

## **Accomplishments for the Battle Creek Restoration Project includes the following:**

- (1) Large wood was added by machine to 5.52 miles of streams.
- (2) An old railroad grade was removed from 1.75 miles of Battle Creek.
- (3) An exclosure fence was constructed on 1.25 miles of stream (2.5 miles of fence).
- (4) Five culverts were removed on Battle and Campbell Creeks.
- (5) Five old in channel pond dikes on Battle and Campbell Creeks were removed.
- (6) Electric fencing was added to an existing exclosure on .61 mile of Campbell Creek (1.25 mile of fence).
- (7) Three miles of Battle and Campbell Creeks were planted with deciduous vegetation.
- (8) Large wood was hand placed into .5 mile of Battle Creek.
- (9) Two new ponds and 1 existing pond were (re)constructed. The two new ponds were fenced with troughs and float valves installed.
- (10) Two solar pump developments were constructed.
- (11) One spring development was constructed.

There was one pond within the contract that was not constructed due to rocky nature of the site. The funds for this pond were returned back to Bonneville Power Administration.

The first year of monitoring has been completed for all of the components: large wood, floodplain restoration, culvert removal, pond/dike removal, plantings, noxious weeds and ponds/springs.

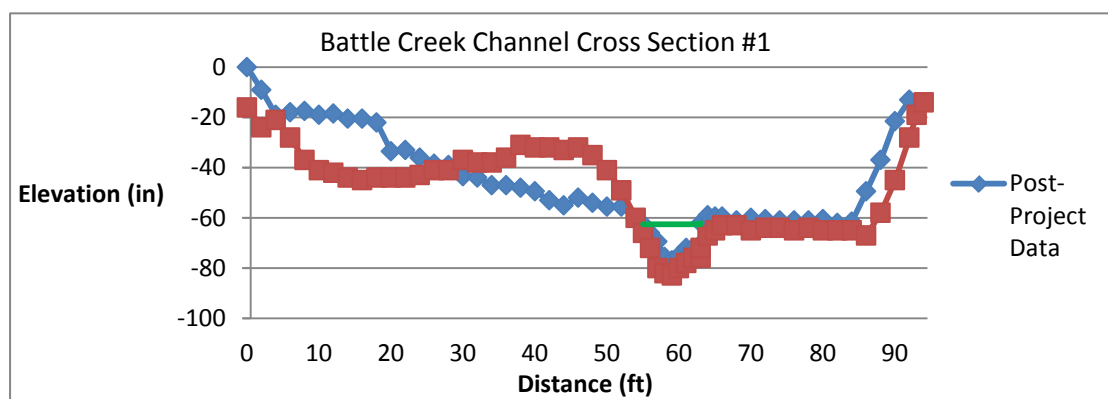


Road Recontour in Battle Creek.



Wood Placement in intermittent stream.

**Cross  
Section  
#1**



Road recontour and wood placement within Battle Creek.