

# **FIVE POINTS LARGE WOODY DEBRIS PLANTING PH 1/2**

**Final Completion Report  
April 1, 2015— April 30, 2017**

**Project No. 92-026-01**

**Contract No. 68275**

**Completed by: Joe Platz**

**United States Forest Service  
Wallowa-Whitman National Forest  
LaGrande Ranger District  
LaGrande, OR**

**May 17, 2017**



# La Grande Ranger District 2017

2017



## Partners

◆ Bonneville Power Administration



## •Funding (2015—2017)

- BPA— \$797,552
- USFS— \$41,942

TOTAL— \$838,894

## Objectives

The objective is to improve fish habitat, specifically through improving or increasing the following habitat elements.

- Provide fish passage to 22 miles of stream
- Increase quantity and quality of pools within Five Points Creek
- Increase fish cover
- Increase habitat complexity
- Increase forage availability
- Increase residual pool depth
- Increase number of large and medium pieces of large woody debris in the stream
- Increase spawning gravel recruitment
- Improve stream shade
- Improve floodplain and riparian function
- Increase riparian vegetation

## Five Points Creek Restoration Project

Five Points Creek is designated critical habitat for bull trout, spawning and rearing habitat for Snake River Basin summer steelhead and redband trout. There is also potential for spring/summer chinook rearing habitat through diversion barrier removal.

Historic timber harvest, rail road grade and roading removed larger conifers from the valley bottom, reducing the future recruitment of large wood to the stream. Historic grazing has caused impacts to the riparian area.



Fish Structure Construction.

### Existing Condition Prior to Project Implementation

Five Points Creek (within the project area) is broken into 3 reaches. The valley bottom is vegetated with an array of deciduous and coniferous vegetation, including hawthorn, ponderosa pine, and Douglas-fir. The flood prone area (area that would flood in a 10 - 25 year flow event) is largely without vegetation. The riparian area outside of the floodprone area is well vegetated with deciduous and coniferous vegetation, with the exception of Camp One. Within the floodprone area, there are large areas with little vegetation, indicating a large flood event in the near past. There are multiple ATV trails that are causing sedimentation and vegetation impacts to the stream and riparian area.

Grazing does occur within the project area. Extensive trailing is used to limit livestock use in Five Points Creek. Trailing includes riding every three days during the use of the pastures to remove livestock from the riparian areas adjacent to Five Points Creek. The Camp One area will be excluded from livestock, which includes approximately 1/3 mile of stream within reaches 2 and 3.

An old diversion structure constructed in the late 1920s by the railroad for stream engines was located in lower Five Points Creek. It was a passage barrier for some or all of the life stages of summer steelhead, spring/summer chinook and bull trout.



Completed structure on Five Points.

## Five Points Restoration Project

### 2015/2016 Project Completion

- 22 miles of fish passage opened through diversion barrier removal.
- Large wood/boulder structure complexes constructed at 90 sites (325 structures) over 6.5 miles (1700 large wood pieces, and 100 boulders).
- Over 3.5 miles of stream planted with cuttings (29,500 cuttings) and native grass/ forb seed.
- Approximately, 715 pieces of large wood flown into Five Points Creek.
- 2.25 mile of user created ATV trails were closed and/or obliterated.

### 2017 Future Restoration Work

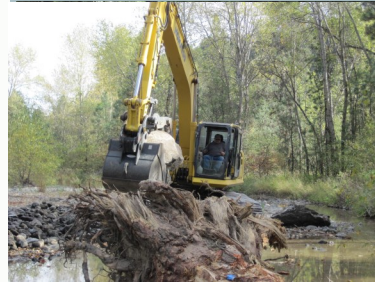
- Livestock exclosure fence will be constructed on 1 mile of stream.
- Approximately, 26,000 seedlings/cuttings will be planted on 3 miles of stream.
- Approximately, 7500 conifer and deciduous seedlings will be planted.
- Approximately, 300 small exclosures will be constructed around the plantings.

The Five Points Creek Restoration Project encompasses 6.5 miles of threatened fish habitat on the La Grande Ranger District. The project will be completed at the end of 2017.

Restoration work completed in 2015/2016 included fish barrier removal, wood haul, fish structure construction, planting, and ATV road closure/obliteration.



*Planting cuttings at Clarno, OR for Five Points.*



*Placing rock for structure construction.*



*Barrier prior to removal.*



*Post barrier removal.*



*Planting cuttings.*



*Flying in Large Wood.*

## Photos on Five Points Creek



**Structure #6 Post Restoration  
with new beaver activity —>**

**<—Pre Restoration**



## Structure #32

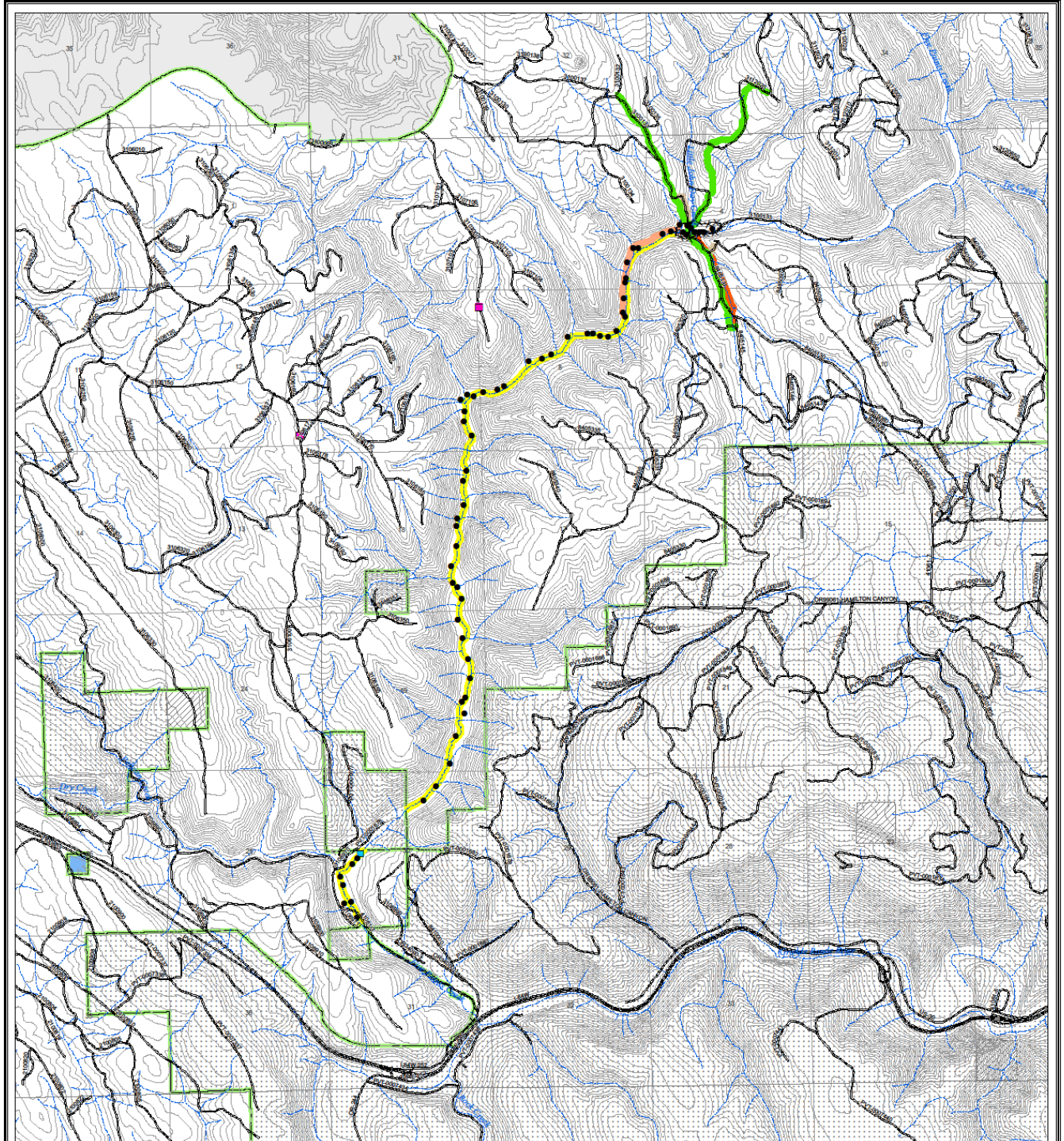


**Before**



**After**

# La Grande Ranger District 2017



Date: 8/28/2014

## FIVE POINTS CREEK LARGE WOODY DEBRIS & PLANTING PROJECT



Author: MStanton  
Path: C:\WorkSpace\_2\Jobs\_Misc\_Projects\Projects\_2014\FivePointsLargeWoodyDebris\_082013.mxd

### Five Points Project Types

- Dam Removal
- Helicopter Staging Sites
- Wood Placement
- \*\*\*\*\* Exclosure & Seeding/Cutting Planting by Hand
- Open ATV Road
- Closed ATV Road
- ATV Trail to be Obliterated
- Planting Cuttings with Excavator
- Wood Placement & Seedling Planting by Hand

- All Roads
- Streams
- La Grande Ranger District
- Umatilla NF
- BLM
- National Forest Land
- Private
- State