



**PLANTSKYDD RIPARIAN SPRAY  
PROJECT - 4/1/2018-3/31/2019**

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

**Contract #: 78910**

**Completion Report**

**Completed by: Joe Platz**

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

**LaGrande, OR**

**March 31, 2019**



## Introduction

“Plantskydd is an organic spray developed in Sweden to prevent wild ungulate browse. Plantskydd is the “browse deterrent of choice” for leading North American forest companies who use it successfully to prevent plantation damage to millions of conifer and hardwood trees from deer, rabbits, elk and moose. It works by emitting an odor that animals associate with predator activity.”

## Existing Condition

Heavy browse occurs on all of the streams in the upper Grande Ronde and Meadow Creek watersheds. This is the third year that Plantskydd was sprayed. In the past, monitoring showed benefits from the spray. This years monitoring was completed by the PNW research station on Meadow Creek.

Historic livestock originally removed and suppressed riparian shrub vegetation. Currently, Sheep Creek, Chicken/West Chicken Creeks and the Upper Grande Ronde River are excluded from livestock grazing within the project areas. Currently, most of the riparian shrubs within the above streams are being hedged or browsed by deer and elk. As a result, there is limited growth and vigor and high mortality of riparian shrubs within the above streams.



### **Specific Actions**

Plantskydd was sprayed three times (April/May, July, and October) on 24 miles of streams. The streams included: Upper Grande Ronde River (2.5 miles), Chicken/West Chicken (2 miles), Sheep Creek (3 miles), Meadow Creek (1 mile), Bear Creek (4.5 miles), Battle/Campbell Creeks (3 miles), Fly Creek (2 miles), and Five Points Creek (6 miles).

Dry conditions must persist for 24 hours after treatment. The Forest Service sprayed the above streams for two years and establish photo points to track project effectiveness. Riparian shrubs to be sprayed would include planted seedlings and existing shrubs hedged within riparian areas. All spraying was contracted.



BPA Project Cost: \$40,441.