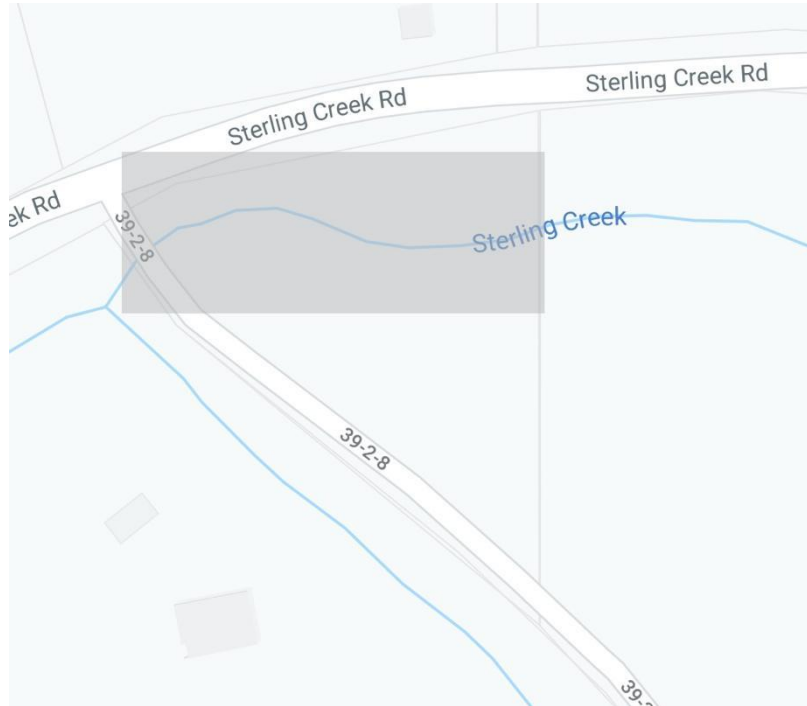


Ecological Restoration Plan for Riparian Zone

(Example Ecological Restoration Plan – not a real property)

INTRODUCTION

- **Location:** ### Sterling Creek Rd, riparian zone around Sterling Creek
- **Size of restoration site:** 1 acre
- **Soil type:** Xerorthents-Dumps complex (find soils map [here](#))
- **Ecoregion:** Inland Siskiyou (find ecoregions map [here](#))
- **Habitats present:** Riparian, roadside
- **Map showing location of land:**



- **Relevant land use history:** Area heavily mined for gold in the past. A number of piles of dredge tailings present.
- **Brief description of specific area to be restored:** 50' wide riparian zone along 600' of Sterling Creek. Includes Sterling Creek Rd roadside.
- **Current condition of area to be restored:** Healthy presence of large shade trees, mostly White alders and Big leaf maples. Very little shrubby understory, just a few Mock orange shrubs. Lots of weedy understory, mostly Blackberry and Teasel. Some presence of native riparian rushes and herbs. Roadside is very weedy.
- **Native and weed plant species present:** (add as a separate attachment if list is large)

Native Plant Species:	
Trees:	
White alder	
Big leaf maple	
Ponderosa pine	
White oak	
Shrubs:	
Mock orange	
Bitter cherry	
Herbs & Grasses:	
Weed Species:	
Bull thistle	
Blackberry	
Teasel	
Star thistle	
Pasture grasses	
Lemon balm	
Vinca	
Vetch	

Juncus Scarlet monkeyflower Nettle California brome	
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- **Current and potential impacts on area to be restored:** Neighboring properties contain a lot of unmanaged start thistle, which will continue to spread. Small mining operation upstream may have impacts on water quality.
- **Describe restoration goals:** Remove weeds from the riparian zone and replant with native shrubs, seed with native herbs and grasses. Seed roadside with drought tolerant and aggressive native herbs that are beneficial for pollinators.

DESCRIBE RESTORATION METHODS TO BE USED:

- **Weed removal** - use of weedwhacker to continually cut back weeds before plants can seed. This has been done for the past 2 years to exhaust seed bank and weed growth. Continue to weed whack selectively around native plants as they become established.
- **Sourcing of seeds / plants** – have purchased native herb and grass seed from Rogue Native Plant Partnership seed sale. Selected seed appropriate for the habitat and ecoregion. Plan on purchasing a selection of appropriate 2 and 5 gallon native riparian shrubs from local nursery.
- **Site preparation** – aside from continued mechanical removal of weeds, sections near roadside have been solarized with plastic sheeting to create weed free areas to sow pollinator-friendly native herb seeds.
- **Planting / seeding methods** – plants will be installed with squares of weed mat to reduce weed competition, and biodegradable mesh plant guards to reduce impacts of browsing wildlife. Seed will be spread by hand. Seeding to occur this coming Fall, and planting to happen in early spring next year.
- **Monitoring methods** – take before photos, and after photos every spring and fall afterward for 5 years. Maintain a plant list, including dates for when reintroduced native plants germinate and flower.

SPECIAL CONSIDERATIONS

- Riparian restoration plan required to be submitted to Oregon Dept. Fish & Wildlife
- Historical mining sites that may require protection – check with the BLM

INCLUDED AS ATTACHMENTS:

- Photos of land