

Rehabilitation in the Lower Salmon Mountains

Six Rivers & Klamath National Forests, Region 5

2009 Accomplishments

Between 2007 and 2008, seed of the perennial grasses, *Elymus glaucus* and *Bromus carinatus*, were collected from stands in the Lower Salmon Mountain Ecological Subsection. Seed was sent to J. Herbert Stone Nursery in Oregon where 11 pounds of seed, representing 4 seed lots, yielded 440 pounds of seed in Year 1. Year 2 yields not yet available. A portion of the seed was grown out at the Hoopa Tribal Nursery yielding 3900 grass plugs. The remaining seed is in storage on Six Rivers and at J. Herbert Stone.

Grass plugs were planted at a site to assist in restoring an area where spotted knapweed had been treated for two consecutive years. The objective is to provide long-term stabilization of the site using competitive native vegetation. As the grasses persist and grow both in the below and above-ground environment, it is expected with the coupled effect of annual treatments, we will notice downward trends in the cover of diffuse knapweed and potential eradication at the site.

First year post-planting monitoring focused on survivorship of the grass plugs. Results of monitoring indicated a survivorship rate of 75%. Subsequent monitoring via other funds will continue to assess survivorship and competitive capability of the plugs with diffuse knapweed.

Effectiveness Monitoring: Native grass seed and grass plugs used on decommissioning projects and at burn rehabilitation sites will be inspected one year post-seeding. Monitoring of grass plugs will commence in July of 2009 prior to end of their active growing season.



Tsemeta Hoopa Nursery staff planting plugs

Year Awarded: 2007

Project completion: 2011

*Plugs planted Fall of 2008.

*Grass seed produced Fall of 2009.

*Grass seed plant by Fall 2011.

Report number: 2 of 3

Expenditures (2007): \$48,000

Partners/Contractors/Coop: J. Herbert Stone Nursery, Tsemeta-Hoopa Tribal Nursery, Mid Klamath Watershed Council



Six Rivers National Forest
1330 Bayshore Way
Eureka, CA 95501