



Vegetation Division – Lane County Department of Public Works

TOPIC: VEGETATION FABRIC TEST PROJECT

Vegetation Management Program, Alternative Control Test Project Summary

Project Description:

This project was developed to test the effectiveness of woven felt fabrics to control undesirable vegetation at two sites within Lane County right-of-way. Two test sites were selected on Shoreview Road adjacent to Cottage Grove Reservoir for the test projects. These two project sites were dominated by both Himalayan Blackberry and Scotch Broom, two noxious weeds that have proven difficult to control.

Both project sites were manually grubbed of all vegetation down to the height of the existing grass communities. After the grubbing process felt fabric was placed over the grubbed areas to test the ability of the material to prevent the re-growth of these species at the project sites. All of the fabric was held in place with two foot rebar posts covered with over two hundred and seventy five sandbags to prevent re-growth from pushing up the fabric or weather events from moving the fabric.

The two project sites will be monitored 4 times a year for the next 3-5 years depending on the life of the fabric. The next step will be to seed the project areas with a native grasses and forbs to try and establish the areas back to a native ecosystem while trying to prevent the establishment of noxious and invasive weed species.

Installation Dates:

Project Site #1& #2: December 17-22, 2007

Project Costs:

Materials

Woven Felt fabric: \$1,200.00 (13,500 sq. of fabric)

Rebar & Safety Caps: \$490.00

Labor Costs:

Manual grubbing: \$ 576.00 (1 day of labor, 4 person crew)

Fabric Installation: \$1,272.00 (3 days of labor, Average 3 person crew)

Total Project Cost: \$3,538.00 (*Includes the cost of both project sites*)

Project Site Descriptions

Site #1: Shoreview Road MP. 2.1

Was installed to test woven felt fabric to control un-desirable vegetation at project site. Project area covers approx. 4,500 sq. ft. of area that was grubbed of both Himalayan Blackberry and Scotch Broom

Picture 1



Shows some of the area being grubbed of Scotch Broom

Picture 2



Showing the fabric installed with sandbags and rebar to hold fabric in place

Picture 3



Shows the area cleared of fir trees and Scotch Broom with fabric installed over project area.

Site #2: Shoreview Road MP. 4.1

Was installed to test woven felt fabric to control un-desirable vegetation at project site. Project area covers approx. 8,000 sq. ft. of area that was grubbed of both Himalayan Blackberry and Scotch Broom

Picture 1



A view from the bottom of the project area after the fabric was installed.

Picture 2



Western half of the project area
with portions of the grubbed weeds

Picture 3



Shows the sandbags and rebar
with safety caps that was used
to hold the fabric in place.