



## Other Accomplishments

### Peterson FFFPP Project

*Before*



*After:*



- ~ Partnered with Thurston Co. Stream Team to install just over 10,000 native plants along 6 streams on 11 sites.
- ~ Installed 276 Best Management Practices throughout the county.
- ~ Completed 4 Dairy Nutrient Management Plans and 15 Conservation Plans.
- ~ Provided Technical Assistance to 638 landowners on a variety of subjects including: low impact development, invasive species control.
- ~ Completed Task Order work through the Natural Resources Conservation Service.
- ~ Utilized 78 volunteers over the course of the year.

## 2011 Feature Accomplishment

### Mycofiltration Project - Oyster Bay Farm

*Resource Challenge* – For years, activities on this farm, exacerbated by the sheet flow from the forest above the farm, were significantly affecting water quality in Burns and Pierre Creeks and Burns Cove. Water quality issues included bank instability and high levels of fine sediments and fecal coliform.

*Project Summary and Results* – There were three phases of this two-year project: First, agricultural ditch re-channelization; second, fencing and preparation of mycoberms; and lastly, installation of the mycoberms. The installation of a 3,400 foot inceptor drainage system (rechanneling) and 3,018 feet of riparian fencing and in the first year helped to reduce water quality issues. In the second year, 1,339 mycofilter bags were prepared by staff from Fungi Perfecti and a Cedar Creek Corrections Crew. Preparation involved using untreated burlap bags filled with woodchips and inoculating them with mycelium (mushroom fungus). After the bags were refrigerated for “curing” and timing was right, a Washington Conservation Corps crew was utilized to install the bags along Burns and Pierre Creeks within the confines of the farm. The rechanneling project significantly reduced inputs of fine sediments and visual sheet runoff.

The mycofilter contours significantly reduced the inputs of fecal coliform bacteria in Burns and Pierre Creeks, once further action was taken to reduce the raccoon “parties” that were occurring on the lower part of the farm. Further water quality monitoring and trials are needed to determine the longer term results. We hope to secure funding to install these mycofilter systems on other sites where other methods have failed to improve water quality.

*Key Project Partners* – National Fish & Wildlife Foundation, Fungi Perfecti, Mason Conservation District, District Cluster Engineer, RG Forestry Consulting, Mason County Public Works, Cedar Creek Corrections, and Washington Conservation Corps.



Mycoberm contours, Burns Ck.

## Contact Information

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## More Work To Do

- \* Secure funding to provide continued CREP contracts (maintenance) and new contracts.
- \* Secure funding to implement livestock projects currently on the waiting list.
- \* The number of regulatory referrals continues to rise steadily. Adequate state and county funding is desperately needed to address these.
- \* Continue to expand partnerships to put more conservation on the ground.