

PermaMatrix® Wyeth Fishing Treaty

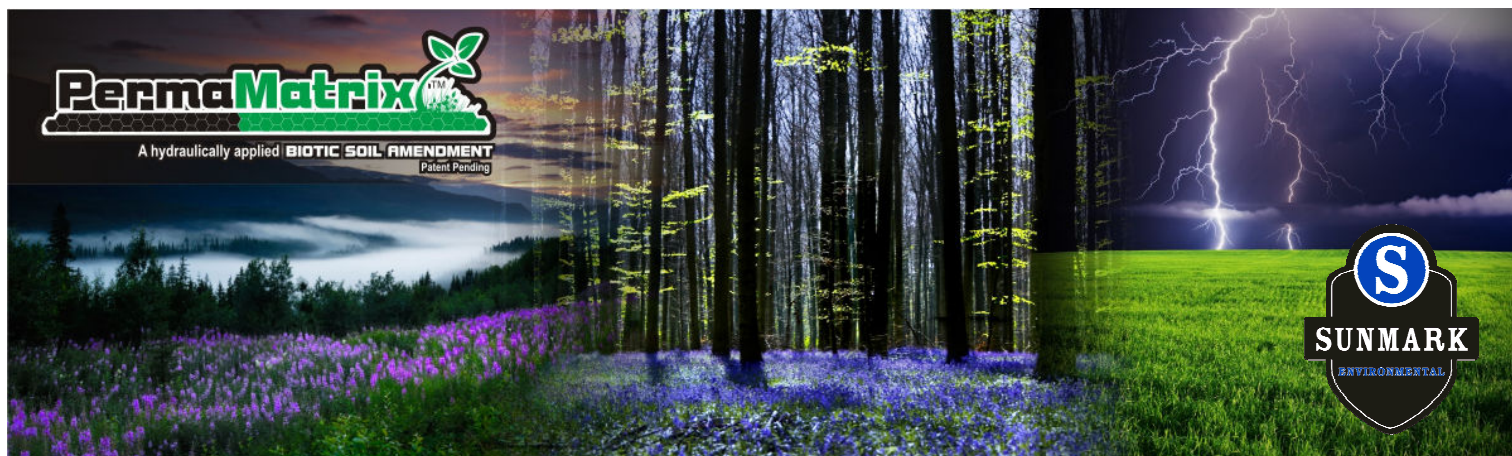
Soil Biological Restoration
Fall 2010



Project Info: The Wyeth site is located approximately 10 miles to the west of Hood River OR, and entails the construction of a new bridge for access over the railroad line, dock, boat ramp, breakwaters and campground facility. Restoration using native plant species was completed on the bridge abutment slopes and in other areas of the site. In addition to the container plantings, the slopes were seeded for erosion control using the biotic soil amendment PermaMatrix, which restores the living components of soil needed for plant growth. This product is an excellent alternative to importing top soil.

Challenges: Heavy excavation and soil movement was a contributing factor for the poor rocky soil conditions at Wyeth. Soil was excavated from what would become the bioswales to build up the bridge abutment slopes. Top soil replacement proved to be cost prohibitive. PermaMatrix was utilized to restore the biological function of these disturbed soils. Growth was tremendous, as quoted by the contractor, "we had plant growth everywhere we used PermaMatrix. It was outstanding".

Sunmark Environmental Services PO Box 1210, Fairview OR 97024
503-241-7333 PH 503-491-0279 FX
www.permamatrix.com



**Engineer
Architect
Contractor
Landscape**

GreenWorks, PC the landscape designer, worked with Advanced American Construction, Inc., the contractor for this U.S. Army Corps of Engineers project, to design and build a fishing access site on the Columbia River for Native American Tribes. This In-Lieu site is one of a total of 31 sites totaling 400 acres that will fulfill treaty agreements that the U.S. government made with Native American Tribes that guarantee access to Columbia River fishing grounds that were lost as a result of the construction of the Bonneville, Dalles and John Day Dams. Planting installation on the project is by Cedar Landscape, Inc. of Hillsboro, Oregon. Engineering on the project was provided by PND Engineers, Inc. out of Seattle, Washington.

**Environmental
Follow Up**

Native plants are thriving on this site with hard to establish Carex spp., Juncus spp. along with grasses and wildflowers. PermaMatrix contributed to the overall health and development of a diverse community of native plants in the Columbia Gorge.

**Cost
Advantage**

PermaMatrix was installed on this site with a 70% cost savings over a typical topsoil and compost application. With superior results and no infiltration of undesirable weed species, PermaMatrix reduced the time, cost and ultimately the risk of failure on a challenging site.



Sunmark Environmental Services PO Box 1210, Fairview OR 97024
503-241-7333 PH 503-491-0279 FX
www.permamatrix.com