



March 25, 2011

Washington State Department of Fish and Wildlife  
 Habitat Program  
 600 N. Capitol Way  
 Olympia, WA 98501-1091

RE: SR 501 MP 18.3 Landslide Repair  
 WDFW HPA Permit **105342-1**

Dear Interested Parties:

The Washington State Department of Transportation completed monitoring of the site on August 30, 2010 to determine survival of planted species for compliance with the above-listed HPA.

General Site Information	
<b>WDFW HPA Permit Number</b>	105342-1
<b>Restoration Location</b>	West of I-5 near MP 18.3 on SR 501, Clark County
<b>Construction Date</b>	2006
<b>Monitoring Period</b>	2007-2011
<b>Year of Monitoring</b>	4 of 5
<b>Type of Repair</b>	Stabilization and Revegetation
<b>Area of Repair</b>	0.1 acre

**Site development:**

Permit Requirement	2010 Results	Management Activities
80% or greater survival of woody plantings	24% survival overall	Ongoing weed control
Replacement of dead trees		Replanting of 15 bigleaf maple ( <i>Acer macrophyllum</i> ) is planned in Fall, 2011.

Planted woody species survival does not currently meet the permit requirement. However, the slope appeared stable and the woody species at the bottom of the slope are dense and thriving. The large woody debris placed near or on the creek is intact. The western red cedar (*Thuja plicata*) trees planted the previous season seem to be thriving under the shade of the large conifers and the salmonberry (*Rubus spectabilis*) hanging over them.

Cover of invasive species was evaluated qualitatively and is estimated to be two percent. The species observed on site include Himalayan blackberry (*Rubus armeniacus*), thistles (*Cirsium* spp.), and English ivy (*Hedera helix*) mostly on the edges of the site.

We welcome your questions or comments. Please contact me at 360/570-6640 or by e-mail at [busht@wsdot.wa.gov](mailto:busht@wsdot.wa.gov) for questions about these mitigation sites.

Sincerely,

Tony Bush  
Wetland Assessment and Monitoring Program

