



Washington State
Department of Transportation
 Paula Hammond
 Secretary of Transportation

Transportation Building

310 Maple Park Ave
 P.O. Box 47300
 Olympia, WA 98504-7300

360-705-7000
 TTY: 1-800-833-6388
www.wsdot.wa.gov

March 25, 2009

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

RE: SR 18 Maple Valley to Issaquah-Hobart Road (MP 16.6 to MP 19.3) (Taylor Creek Crossing 2)
 WDFW HPA Permit **00000F4792-14**

Dear Mr. Chapman:

The Washington State Department of Transportation completed monitoring of the site on September 2, 2008 to determine survival of planted species for compliance with the above listed HPA.

General Site Information	
WDFW HPA Number	00000F4792-14
Restoration Location	SR 18 East, Exit 142, along Taylor Creek near Maple Valley in King County.
LLID Number	1220123474173
Construction Date	2006-2007
Monitoring Period	2007-2016
Year of Monitoring	2 of 10
Project Impacts	0.58 acre of Buffer 110 feet of Stream Channel
Type of Restoration	Riparian Revegetation
Area of Restoration	0.45 acre

Site development:

Permit Requirement	2008 Results	Management Activities
80% or greater survival for each planted species or a contingency species	81% survival overall	In 2008, weed control was conducted on 4/16, 6/6, 6/9, 6/12, and 9/24; weed control will continue as needed.

Overall survival of planted native woody species exceeds the permit requirement. Three of the six species, however, had a survival rate less than 80 percent (see following table).

Mortality occurred mostly near SR 18, far up the slope from the creek. Survival of the willow fascines is not included in the survival figures. Qualitatively, however, survival and vigor of the fascines is high. Many volunteer *Alnus rubra* (red alder) and *Acer macrophyllum* (big leaf maple) were observed on site near the creek, also not included in the survival numbers. Some beaver herbivory, as well as a dam, were observed on site. Herbivory did not appear to threaten woody plantings across the site overall.

Survival by Species			
Species	Alive 9/2/08	As-built	Survival
<i>Rosa pisocarpa</i>	188	193	97%
<i>Rubus spectabilis</i>	261	312	84%
<i>Physocarpus capitatus</i>	116	130	89%
<i>Cornus sericea</i>	134	184	73%
<i>Lonicera involucrata</i>	96	130	74%
<i>Oemleria cerasiformis</i>	79	130	61%
Totals	874	1079	81%

We welcome your questions or comments. Please contact me at 360-570-6640 or by e-mail at busht@wsdot.wa.gov for questions about this mitigation site.

Sincerely,

Tony Bush
Wetland Assessment and Monitoring Program

