March 30, 2018

Ms. Sandra Manning
US Army Corps of Engineers Seattle District
Regulatory Branch CENWS OD RG
PO Box 3755
Seattle, WA 98124-3755

RE: I-5 Scatter Creek and Maytown Safety Rest Areas and I-5 Grand Mound to Maytown Widening
USACE IP Number NWS-2007-284

Dear Ms. Manning:

The Washington State Department of Transportation completed qualitative monitoring of the I-5 Scatter Creek and Maytown Safety Rest Areas (Scatter Creek) and I-5 Grand Mound to Maytown Widening (Grand Mound) sites on October 12, 2017, to address Year-10 (2018) performance standards. Monitoring activities included vegetation observations and photo documentation. This Year-8 and Year-9 report is being issued for compliance with the reporting requirements of the US Army Corps of Engineers Individual Permit Number NWS-2007-284.

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<th>General Site Information</th>
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<td><strong>USACE NWP IP Number</strong></td>
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<td><strong>Restoration Location</strong></td>
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<td><strong>Monitoring Period</strong></td>
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<td><strong>Type of Impacts</strong></td>
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<td><strong>Area of Project Wetland Impact</strong></td>
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<td><strong>Area of Mitigation (acres)</strong></td>
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1 Temporary impacts occurred in multiple wetlands. For a breakdown of impacts see I-5 Grand Mound to Maytown Widening Project Wetland Mitigation Memorandum, December 2008 and USACE 2007
2 Off-site compensation for adverse impacts is provided by the North Fork Newaukum (NFN) Wetland Mitigation Bank Site for permanent and long-term temporary wetland impacts not entirely compensated for by on-site mitigation. Credits debited from the NFN bank will be 1.512 for both the Safety Rest Area and Widening Projects.
Site development:

Survival rates have remained steady in the past couple of years, and the plants appear healthy where established. In several planting areas snowberry (*Symphoricarpos albus*) is forming dense monocultures. Cover of invasive species is low.
Results for Performance Standard 1
(80% survival of woody species):

005 Scatter Creek:
Survival of native woody species is qualitatively estimated at 35 percent (Photo 1). This is below the performance standard target.

005 Grand Mound:
Survival of native woody species is qualitatively estimated at 55 percent (Photo 2). This is below the performance standard target.

Results for Performance Standard 2
(Weed control):

No weed control activity occurred in 2017. Cover of noxious weeds is qualitatively estimated at five percent in both the 005 Scatter Creek and 005 Grand Mound planting areas. A small amount of Himalayan blackberry (Rubus armeniacus), cutleaf blackberry (Rubus laciniatus), reed canarygrass (Phalaris arundinacea), and Canada thistle (Cirsium arvense) was observed.

Photo 1 – Survival of native woody species in the 005 Scatter Creek roadside planting areas

Photo 2 – Survival of native woody species in the 005 Grand Mound roadside planting areas
We welcome your questions or comments. Please contact me at 360/570-2579 or by e-mail at littaud@wsdot.wa.gov for questions about these mitigation sites.

Sincerely,

Doug Littauer
Wetlands Program
T.16N. R.2W. W.M.

Plan Legend
- Existing Wetland
- Existing Wetland Buffer Boundary
- Wetland Restoration Mix
- Seed Mix M&K
- 1 Y.O. Bank or Wood Chip Mulch

Soil Treatment Total
- Seed Mix M&K
- Bank or Wood Chip Mulch
- 24 EY.

Notes:
- See sheet PL5 for planting details
- See specifications and special provisions for details relating to implementation of this plan

Washington State Department of Transportation

Grand Mound to Rantoul Stage One - Add Lanes

File Name: 005 Scatter Creek and 005 Grand Mound

2017 Annual Monitoring Reports
005 Scatter Creek and 005 Grand Mound

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