March 31, 2020

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

RE: SR 121 Bloom’s Ditch Fish Barrier Removal (MP) 3.85-4.23  
Compensatory Mitigation Site  
USACE NWS-2015-924-DOT

Dear Ms. Manning:

The Washington State Department of Transportation completed quantitative monitoring of the SR 121 Bloom’s Ditch compensatory mitigation site on September 26, 2019, to address Year-1 (2019) performance standards. Monitoring activities included vegetation observations and photo documentation. This Year-1 report is being issued for compliance with the reporting requirements of USACE Permit NWS-2015-924-DOT.

<table>
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<th>General Site Information</th>
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<tr>
<td>USACE NWP IP Number</td>
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<td>HPA</td>
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<td>Mitigation Location</td>
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<td>LLID Number</td>
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<td>Year of Monitoring</td>
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<td>Type of Impacts</td>
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<td>Area of Project Wetland Impact¹</td>
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<td>Type of Compensation</td>
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<td>Area of Compensation²</td>
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¹ Impact numbers sourced from SR 121 Bloom’s Ditch Fish Barrier Removal (MP) 3.85-4.23 (WSDOT 2015).
² Additional wetland compensation (0.21 acre) provided by the North Fork Newaukum Wetland Mitigation Bank.
Site development:

Vegetation on this site is patchy. In some areas, the vegetation was so dense that distinguishing between planted and volunteer was challenging. In the most dense area, SW of the culvert, percent cover of target woody species was estimated at 55%, and up to 80% when volunteer species were accounted for. The dominant species here are Oregon ash (*Fraxinus latifolia*) and hardhack (*Spiraea douglasi*). Cover of reed canarygrass (*Phalaris arundinacea*) is high near the creek.

Existing plants in the northwest and southwest areas of the site were scarce and small, likely due to previous mowing activity in 2018. The dominant plants were snowberry (*Symphoricarpos albus*), Indian plum (*Oemleria cerasiformis*), oceanspray (*Holodiscus discolor*), and red elderberry (*Sambucus racemosa*).

Results for Performance Standard 1
(100% survival of planted material or replacement of all dead plantings):

The total plant cover was estimated at 817 for the entire site. The performance standard was not met because at least ten dead plantings were observed during the survey.

This performance standard was difficult to monitor due to missing information on the amount of woody vegetation that was planted on site. However, the presence of dead plants indicates that there was not 100% survival.
We welcome your questions or comments. Please contact me at 360/570-2588 or by e-mail at Kristen.Andrews@wsdot.wa.gov for questions about these mitigation sites.

Sincerely,

Kristen Andrews
Wetlands Program
SOIL TREATMENT TOTALS (THIS SHEET)

- HAND SEEDING: 670 SQ YD
- FINE COMPOST (3' BLANKET): 0.1 ACRE
- FINE COMPOST (3' BLANKET): 0.1 ACRE
- BARK OR WOOD CHIP MULCH (3' BLANKET): 0.1 ACRE

LEGEND

- Hand Seeding
- Fine Compost
- Bark or Wood Chip Mulch

NOTES:

1. All disturbed areas requiring hand seeding shall be covered with a 3'-inch blanket of fine compost after final grading and prior to seeding.
2. Fine compost and bark or woodchip mulch shall be covered with a 3'-inch blanket of fine compost and a 3'-inch blanket of bark or woodchip mulch after final grading.
3. Fine compost and bark or woodchip mulch shall not be placed within 2 feet of the ordinary high-water mark.

For as-constructed plans on: [Link]