

March 30, 2016

**RE: Springbrook Creek Wetland and Habitat Mitigation Bank Unit C**  
Informal Year-6 Report  
USACE 200600100

Dear Springbrook Creek Wetland and Habitat Bank Oversight Committee Members,

The Washington State Department of Transportation completed qualitative monitoring at Unit C of the Springbrook Creek Wetland and Habitat Mitigation Bank on August 3, 2015 to evaluate progress towards Year-7 (2016) performance standards. Monitoring activities included vegetation observations and photo documentation. This Year-6 report is being issued to document informal monitoring results for compliance with the terms and conditions of the Final Mitigation Bank Instrument.

<b>General Site Information</b>	
<b>USACE IP Number</b>	200600100
<b>Mitigation Location</b>	Southwest Renton, King County
<b>LLID Number</b>	1222395474429
<b>Monitoring Period</b>	2010-2019
<b>Year of Monitoring</b>	6 of 10

<b>Performance Standards (Year-7)</b>	<b>2015 Results</b>	<b>Management Activities</b>
In Year 7, native woody vegetation within the wetland tree/shrub planting areas will provide at least 60% aerial cover.	98% cover	
In Year 7, the Wetland Enhancement Type I areas will have at least 75 conifers per acre.	Survival of replanted cedars appears high. This standard should be met in Year 7 (2016).	Conifer planting occurred on 1/20, 1/21, and 3/18 in 2015.
In Years 1 through 10, remove all Japanese knotweed ( <i>Reynoutria japonica</i> ), English ivy ( <i>Hedera helix</i> ), and purple loosestrife ( <i>Lythrum salicaria</i> ) identified within Unit C.	None observed	Weed control activity performed on 1/27, 3/18, and 7/27 in 2015.

**Site development:**

Both the wetland establishment areas, as well as the enhancement area have extremely dense communities of native woody vegetation. A homeless encampment was present in the southeast portion of the site at the time of monitoring.

Results for Performance Standard 1

(60% cover native woody vegetation in the wetland tree/shrub planting areas):

Cover of native woody vegetation in the wetland tree/shrub planting areas is qualitatively estimated at 98 percent. This value exceeds the performance standard target.

Results for Performance Standard 2

(Density of 75 conifers/acre in the Wetland Enhancement Type 1 areas):

Qualitatively, this standard appears to have been met. Survival of replanted western red cedar (*Thuja plicata*) appears high.

Results for Performance Standard 3

(Remove all Japanese knotweed, English Ivy, and purple loosestrife):

No Japanese knotweed, English Ivy, or purple loosestrife was observed at the time of monitoring.

We welcome your questions or comments. Please contact me at 360/570-2579 or by e-mail at [littaud@wsdot.wa.gov](mailto:littaud@wsdot.wa.gov) for questions about these mitigation sites.

Sincerely,

Doug Littauer  
Wetlands Program



**GENERAL NOTES:**

1. SEE SHEET L1 FOR LEGEND

**WETLAND TREE/SHRUB #1:**


 PACIFIC NINEBARK  
 BLACK TWIGBERRY  
 OREGON ASH  
 BLACK COTTONWOOD  
 SITKA WILLOW  
 NOOTKA ROSE  
 0.85 ACRES  
 THIS SHEET

**WETLAND TREE/SHRUB #2:**


 OREGON ASH  
 RED-OSIER DOGWOOD  
 SITKA WILLOW  
 PACIFIC WILLOW  
 PEAFRUIT WILD ROSE  
 0.46 ACRES  
 THIS SHEET

**WETLAND TREE/SHRUB #3:**


 BLACK COTTONWOOD  
 WESTERN RED CEDAR  
 NOOTKA ROSE  
 SCOUER'S WILLOW  
 SITKA SPRUCE  
 RED-OSIER DOGWOOD  
 0.95 ACRES  
 THIS SHEET

**WETLAND FOREST UNDER-PLANTING:**


 SITKA SPRUCE  
 WESTERN HEMLOCK  
 WESTERN RED CEDAR  
 9.19 ACRES  
 THIS SHEET

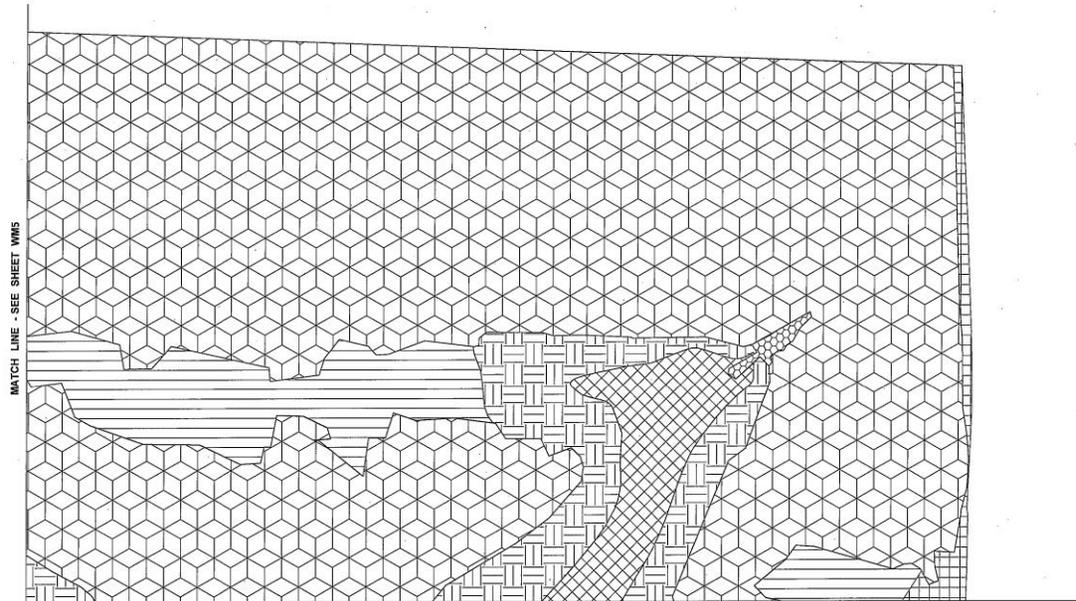
**UPLAND PLANTING:**


 DOUGLAS FIR  
 BIG-LEAF MAPLE  
 SERVICEBERRY  
 OCEANSPRAY  
 SNOWBERRY  
 BEAKED HAZEL  
 0.14 ACRES  
 THIS SHEET

**EMERGENT PLANTING:**

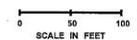

 BEAKED SEDGE  
 COMMON SPIKE RUSH  
 AMERICAN MANNAGRASS  
 SMALL FRUITED BULLRUSH  
 0.03 ACRES  
 THIS SHEET

 MONITORING WELL



MATCH LINE - SEE SHEET WM5

MATCH LINE - SEE SHEET WM6



FILE NAME	H:\P&E\7200\Unit C Weed Control\Mitigation Planting As-Built.dgn	REGION NO.	STATE	FED.AID PROJ.NO.		 Washington State Department of Transportation	I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK	Plot 2
TIME	9:35:11 AM	10	WASH					WM6
DATE	11/28/2010							SHEET
PLOTTED BY	clarkdn							78
DESIGNED BY	D. CLARKE							OF
ENTERED BY	D. CLARKE							118
CHECKED BY								SHEETS
PROJ. ENGR.	M. SAWYER			C7200				
REGIONAL ADM.		REVISION	DATE	BY	P.E. STAMP BOX	DATE		

**GENERAL NOTES:**

1. SEE SHEET L1 FOR LEGEND

**WETLAND TREE/SHRUB #1:**



PACIFIC NINEBARK  
BLACK TWIGBERRY  
OREGON ASH  
BLACK COTTONWOOD  
SITKA WILLOW  
NOOTKA ROSE  
2.51 ACRES  
THIS SHEET

**WETLAND TREE/SHRUB #2:**



OREGON ASH  
RED-OSIER DOGWOOD  
SITKA WILLOW  
PACIFIC WILLOW  
PEAFRUIT WILD ROSE  
2.12 ACRES  
THIS SHEET

**WETLAND TREE/SHRUB #3:**



BLACK COTTONWOOD  
WESTERN RED CEDAR  
NOOTKA ROSE  
SCOULER'S WILLOW  
SITKA SPRUCE  
RED-OSIER DOGWOOD  
2.11 ACRES  
THIS SHEET

**WETLAND FOREST UNDER-PLANTING:**



SITKA SPRUCE  
WESTERN HEMLOCK  
WESTERN RED CEDAR  
2.80 ACRES  
THIS SHEET

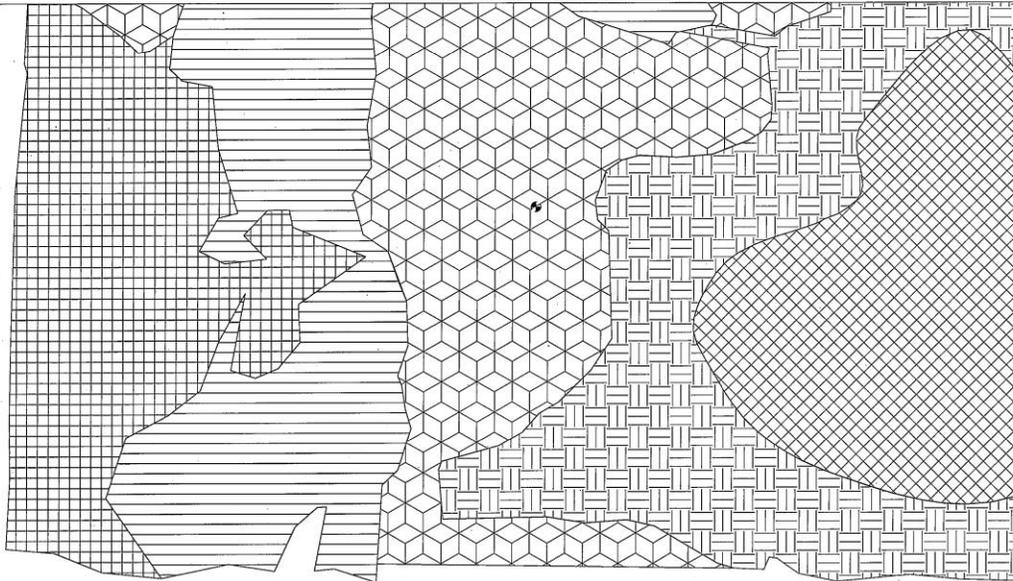
**UPLAND PLANTING:**



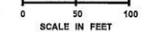
DOUGLAS FIR  
BIG-LEAF MAPLE  
SERVICEBERRY  
OCEANSPRAY  
SNOWBERRY  
BEAKED HAZEL  
2.15 ACRES  
THIS SHEET

MONITORING WELL

MATCH LINE - SEE SHEET WMS



MATCH LINE - SEE SHEET WMS



FILE NAME	H:\PSE17200\unit C Weed Control\Mitigation Planting As-Built.dgn	REGION NO.	10	STATE	WASH	FED.AID PROJ.NO.		<p>Washington State Department of Transportation</p>	<p>I-405 SPRINGBROOK CREEK WETLAND AND HABITAT MITIGATION BANK</p>	<p>Plot 3 WM7</p>
TIME	9:35:12 AM	JOB NUMBER		CONTRACT NO.	C7200	LOCATION NO.				
DATE	11/28/2010	DESIGNED BY	D. CLARKE	CHECKED BY	D. CLARKE	PROJ ENGR	M. SAWYER	REGIONAL ADM.		
PLOTTED BY	clarkdh	REVISION		DATE		BY				
DATE										

