

ATTACHMENT D

Summary of wetland mitigation credit for Seattle-Tacoma International Airport Master Plan Update improvements.

Mitigation	Mitigation (acres)	Area Mitigation Credit
In-Basin		
<u>Wetland Restoration</u> – Credit ratio 1:1		
Vacca Farm (prior converted cropland and other upland)	6.60	6.60
<u>Wetland Enhancement</u> – Credit ratio 1:2		
Vacca Farm (Farmed Wetland, Other Wetlands, Lora Lake)	5.70	2.85
Wetlands in Miller Creek Wetland and Riparian Buffer	10.25	5.12
Tyee Valley Golf Course	4.50	2.25
Wetland in Des Moines Creek Buffer	<u>1.01</u>	<u>0.51</u>
Subtotal	28.06	17.33
<u>Buffer Enhancement</u> - Credit ratio 1:5		
Miller Creek Buffer, South of Vacca Farm	40.86	8.17
Vacca Farm	4.58	0.92
Lora Lake	0.27	0.05
Tyee Valley Golf Course Mitigation Area Buffer	1.57	0.31
West Branch Des Moines Creek Buffer	<u>3.38</u>	<u>0.68</u>
Subtotal	50.66	10.13
<u>Preservation</u> – Credit Ratio 1:10		
Borrow Area 3 Wetland	2.35	0.24
Borrow Area 3 Buffer	<u>21.20</u>	<u>2.10</u>
Subtotal	23.55	2.34
Total In-Basin Mitigation^{a, b}	102.27	29.80
Out-of-Basin		
<u>Wetland Creation^c</u> - Credit ratio 1:1		
Forest (17.20 acres), shrub (6.0 acres), emergent (6.20 acres), and open water (0.60 acres)	29.98	29.98
Wetland Enhancement - Credit ratio 1:2	19.50	9.75
<u>Buffer Enhancement</u> - Credit ratio 1:5	<u>15.90</u>	<u>3.18</u>
Total Out-of-Basin Mitigation	65.38	42.91
Total Mitigation	167.65	72.71

a Mitigation credit has not been assigned for relocating a portion of Miller Creek channel, instream enhancement projects, drainage channel replacement, Des Moines Creek buffer enhancement, or a \$300,000 trust fund for watershed restoration.

b Mitigation areas in the Des Moines and Miller Creek watersheds exceed 102 acres. In- basin mitigation area divided by wetland impact (18.37 acres permanent plus 2.05 acres temporary) provides a 5:1 aerial replacement ratio.

c Based on maps of hydric soils, mitigation can be also characterized as restoration.