

Appendix F

Wetland and Wetland Buffer Impact Data and Maps

TABLE F1-1
Temporary Construction Impacts on Wetlands by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Area Affected (acres) ^a
SEGMENT B			
Preferred B2M	Connecting to C11A or C9T		
	WR-1/2—Mercer Slough Wetland	2	0.5
Preferred B2M Total			0.5
B1			
	WR-1/2—Mercer Slough Wetland	2	0.9
B1 Total			0.9
B2A			
	WR-1/2—Mercer Slough Wetland	2	0.5
	WR-3—Sturtevant Creek Wetland	2	0.1
B2A Total			0.7
B2E			
	WR-1/2—Mercer Slough Wetland	2	0.4
	WR-3—Sturtevant Creek Wetland	2	0.1
B2E Total			0.6
B3			
	WR-1/2—Mercer Slough Wetland	2	0.5
	WR-3—Sturtevant Creek Wetland	2	0.7
B3 Total			1.2
B3-Design Option			
	WR-1/2—Mercer Slough Wetland	2	0.6
B3-Design Option Total			0.6
B7			
	WR-1/2—Mercer Slough Wetland	2	2.3
	WR-3—Sturtevant Creek Wetland	2	0.1
	WR-4—Mercer Slough/I-90 Wetland	4	<0.1
	WR-5—118th Avenue SE Wetland	2	0.5
B7 Total			2.9
SEGMENT C			
C14E-B3			
	WR-16—Hilton Stormwater Pond	3	0.1
C14E Total			0.1
C9A-B3			
	WR-16—Hilton Stormwater Pond	3	0.1

TABLE F1-1
Temporary Construction Impacts on Wetlands by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Area Affected (acres) ^a
C9A Total			0.1
SEGMENT D			
Preferred D2A^b			
	WR-7—West Tributary to Kelsey Creek Pondered Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	0.1
	WR-17—120th Avenue NE/NE 12th Street Wetland	3	0.2
Preferred D2A Total			0.5
D2E via 12th			
	WR-6—BNSF Matrix Wetland	3	<0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D2E via 12th Total			0.3
D2E via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D2E via BNSF total			0.2
D3 via 12th			
	WR-6—BNSF Matrix Wetland	3	<0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D3 via 12th Total			0.1
D3 via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	<0.1

TABLE F1-1
Temporary Construction Impacts on Wetlands by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Area Affected (acres) ^a
D3 via BNSF total			0.1
D5 via 12th			
	WR-6—BNSF Matrix Wetland	3	<0.1
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.2
D5 via 12th Total			0.4
D5 via BNSF			
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.2
D5 via BNSF total			0.4
SEGMENT E			
Preferred E2			
	WR-12—Bear Creek Wetland	2	0.1
Preferred E2 Total			0.1
E2-Redmond Transit Center Design Option			
	WR-12—Bear Creek Wetland	2	0.2
E2-Redmond Transit Center Design Option Total			0.2
E1			
	WR-12—Bear Creek Wetland	2	0.1
E1 Total			0.1
E4			
	WR-12—Bear Creek Wetland	2	<0.1
E4 Total			<0.1

^a Totals for each alternative rounded to the nearest 0.1 acre.

^b Impacts with D2A – 120th Station and NE 24th Design Options would not vary from those of Preferred Alternative D2A.

TABLE F1-2
Temporary Construction Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
SEGMENT B			
Preferred B2M-C11A	Connecting to C11A		
	WR-1/2—Mercer Slough Wetland	2	4.0
Preferred B2M-C11A Total			4.0
Preferred B2M-C9T	Connecting to C9T		
	WR-1/2—Mercer Slough Wetland	2	3.6
	WR-3—Sturtevant Creek Wetland	2	0.1
Preferred B2M-C9T Total			3.7
B1			
	WR-1/2—Mercer Slough Wetland	2	3.0
B1 Total			3.0
B2A			
	WR-1/2—Mercer Slough Wetland	2	3.5
	WR-3—Sturtevant Creek Wetland	2	0.2
B2A Total			3.7
B2E			
	WR-1/2—Mercer Slough Wetland	2	3.4
	WR-3—Sturtevant Creek Wetland	2	0.2
B2E Total			3.5
B3			
	WR-1/2—Mercer Slough Wetland	2	3.6
	WR-3—Sturtevant Creek Wetland	2	0.3
B3 Total			3.9
B3 Design Option			
	WR-1/2—Mercer Slough Wetland	2	4.8
	WR-3—Sturtevant Creek Wetland	2	<0.1
B3 Design Option Total			4.8
B7			
	WR-1/2—Mercer Slough Wetland	2	0.3
	WR-3—Sturtevant Creek Wetland	2	0.1
	WR-5—118 th Avenue SE Wetland	2	0.1
B7 Total			0.6

TABLE F1-2
Temporary Construction Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
SEGMENT C			
<i>Preferred C11A-B3, B7</i> <i>Preferred C9T, C9T-B3, B7</i> <i>C2T-B3, B7</i> <i>C3T-B3, B7</i> <i>C4A-B3, B7</i> <i>C7E-B3, B7</i> <i>C8E-B3, B7</i> <i>C9A-B3, B7</i> <i>C14E-B3, B7</i>			
	WR-16—Hilton Stormwater Pond	3	0.1
C-B3/B7 Total			0.1
<i>Preferred C9T-B2M</i>			
	WR-16—Hilton Stormwater Pond	3	,0.1
<i>Preferred C9T-B2M Total</i>			<0.1
SEGMENT D			
<i>Preferred D2A^b</i>			
	WR-7—West Tributary to Kelsey Creek Ponded Wetland	3	0.5
	WR-8—West Tributary to Kelsey Creek Riparian Wetland	3	<0.1
	WR-9—Allied Waste Wetland	3	0.3
	WR-10W—East of 140th Avenue NE Wetland	2	0.2
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.3
	WR-15— Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
	WR-17—120th Avenue NE/NE 12th Street Wetland	3	0.3
Preferred D2A Total			1.7
D2A-NE 24th Design Option			
	WR-7—West Tributary to Kelsey Creek Ponded Wetland	3	0.5
	WR-8—West Tributary to Kelsey Creek Riparian Wetland	3	<0.1
	WR-9—Allied Waste Wetland	3	0.3
	WR-10W—East of 140th Avenue NE Wetland	2	0.2
	WR-10E—East of 140th Avenue NE Wetland	4	0.1

TABLE F1-2
Temporary Construction Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
	WR-11—West of 140th Avenue NE Wetland	3	0.3
	WR-15— Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
	WR-17—120th Avenue NE/NE 12th Street Wetland	3	0.3
D2A-NE 24th Design Option Total			1.7
D2E via 12th			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland Southeast	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.2
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.3
	WR-15— Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D2E via 12th Total			0.7
D2E via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland Southeast	3	0.1
	WR-10W—West of 140th Avenue NE Wetland	2	0.2
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.3
	WR- 15 –Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D2E via BNSF Total			0.6
D3 via 12th			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland Southeast	3	0.1
D3 via 12th Total			0.1
D3 via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland Southeast	3	0.1
D3 via BNSF Total			0.1
D5 via 12th			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.2

TABLE F1-2
Temporary Construction Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.4
D5 via 12th Total			0.8
D5 via BNSF			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.2
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.4
D5 via BNSF Total			0.8
SEGMENT E			
Preferred E2			
	WR-12—Bear Creek Wetland	2	0.6
	WR-13—Marymoor Park Wetland	3	0.3
Preferred E2 Total			0.9
E2- Design Option			
	WR-12—Bear Creek Wetland	2	0.6
	WR-13—Marymoor Park Wetland	3	0.3
E2- Design Option Total			0.9
E1			
	WR-12—Bear Creek Wetland	2	0.3
E1 Total			0.3
E4			
	WR-12—Bear Creek Wetland	2	0.2
E4 Total			0.2

^a Totals for each alternative rounded to the nearest 0.1 acre.

^b Impacts for D2A - 120th Station Design Option would not vary from those of *Preferred Alternative D2A*.

TABLE F1-3
Permanent Operational Impacts on Wetlands by Project Alternative

Project Alternative	Wetland Name	Category	Wetland Area Affected (acres) ^a
SEGMENT B			
Preferred B2M	Connecting to Preferred C11A or C9T		
	WR-1/2—Mercer Slough Wetland	2	0.1
Preferred B2M Total			0.1
B1			
	WR-1/2—Mercer Slough Wetland	2	0.2
B1 Total			0.2
B2A			
	WR-1/2—Mercer Slough Wetland	2	0.2
B2A Total			0.2
B2E			
	WR-1/2—Mercer Slough Wetland	2	0.2
B2E Total			0.2
B3			
	WR-1/2—Mercer Slough Wetland	2	0.2
	WR-3—Sturtevant Creek Wetland	2	0.5
B3 Total			0.7
B3-Design Option			
	WR-1/2—Mercer Slough Wetland	2	0.2
B3-Design Option Total			0.2
B7			
	WR-1/2—Mercer Slough Wetland	2	1.3
	WR-3—Sturtevant Creek Wetland	2	<0.1
	WR-4—WSDOT 118th Ave SE Wetland	4	<0.1
	WR-5—118th Avenue SE Wetland	2	0.5
B7 Total			1.9
SEGMENT C			
All C Alts			
	WR-16—Hilton Stormwater Pond	3	0 or <0.1
C Total			0 or <0.1
SEGMENT D			
Preferred D2A^b			
	WR-7—West Tributary to Kelsey Creek Poned Wetland	3	0.4
	WR-8SE—West Tributary to Kelsey Creek Riparian	3	<0.1

TABLE F1-3
Permanent Operational Impacts on Wetlands by Project Alternative

Project Alternative	Wetland Name	Category	Wetland Area Affected (acres) ^a
	Wetland		
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
Preferred D2A Total			0.5
D2E via 12th			
	WR-6—BNSF Matrix Wetland	3	<0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	0.1
D2E Total			0.3
D2E via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	0.1
D2E via BNSF Total			0.2
D3 via 12th			
	WR-6—BNSF Matrix Wetland	3	<0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	0.1
D3 via 12th Total			0.2
D3 via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	0.1
D3 via BNSF Total			0.2
D5 via 12th			
	WR-6—BNSF Matrix Wetland	3	<0.1
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	<0.1
D5 Total			0.3

TABLE F1-3
Permanent Operational Impacts on Wetlands by Project Alternative

Project Alternative	Wetland Name	Category	Wetland Area Affected (acres) ^a
D5 via BNSF			
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.1
D5 via BNSF Total			0.2
SEGMENT E			
Preferred E2^c			
	WR-12—Bear Creek Wetland	2	<0.1
	WR-13—Marymoor Park Wetland	3	0.1
Preferred E2 Total			0.1
E1			
	WR-12—Bear Creek Wetland	2	0.1
E1 Total			0.1
E4			
	WR-12—Bear Creek Wetland	2	<0.1
E4 Total			<0.1

^a Totals for each alternative rounded to the nearest 0.1 acre.

^b Impacts with D2A - 120th Station and NE 24th Design Options would not vary from those of Preferred Alternative D2A.

^c Impacts with E2 - Redmond Transit Center Design Option would not vary from those of Preferred Alternative E2.

TABLE F1-4
Permanent Operational Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
SEGMENT B			
Preferred B2M-C11A	Connecting to C11A		
	WR-1/2—Mercer Slough Wetland	2	3.3
Preferred B2M-C11A Total			3.3
Preferred B2M-C9T	Connecting to C9T		
	WR-1/2—Mercer Slough Wetland	2	4.4
	WR-3—Sturtevant Creek Wetland	2	<0.1
Preferred B2M-C9T Total			4.5
B1			
	WR-1/2—Mercer Slough Wetland	2	1.8
B1 Total			1.8
B2A			
	WR-1/2—Mercer Slough Wetland	2	3.3
	WR-3—Sturtevant Creek Wetland	2	0.1
B2A Total			3.4
B2E			
	WR-1/2—Mercer Slough Wetland	2	2.8
	WR-3—Sturtevant Creek Wetland	2	0.1
B2E Total			2.8
B3			
	WR-1/2—Mercer Slough Wetland	2	3.3
	WR-3—Sturtevant Creek Wetland	2	<0.1
B3 Total			3.4
B3-Design Option			
	WR-1/2—Mercer Slough Wetland	2	3.6
B3-Design Option Total			3.6
B7			
	WR-1/2—Mercer Slough Wetland	2	0.2
	WR-3—Sturtevant Creek Wetland	2	0.1
	WR-5—118th Avenue SE Wetland	2	0.1
B7 Total			0.4

TABLE F1-4
Permanent Operational Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
SEGMENT C			
All C Alts			
	WR-16—Hilton Stormwater Pond	3	0.1
C Total			0.1
SEGMENT D			
Preferred D2A^b			
	WR-7—West Tributary to Kelsey Creek Poned Wetland	3	0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	<0.1
	WR-9—Allied Waste Wetland	3	<0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.2
	WR-11—West of 140th Avenue NE Wetland	3	0.3
Preferred D2A Total			0.6
D2E via 12th			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.1
	WR-10E-- East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.3
D2E via 12th Total			0.5
D2E via BNSF			
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.1
	WR-10E-- East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.3
D2E via BNSF Total			0.5
D3 via 12th			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D3 Total			0.1
D3 via BNSF			

TABLE F1-4
Permanent Operational Impacts on Wetland Buffers by Project Alternative

Project Alternative	Wetland Name	Wetland Category	Wetland Buffer Area Affected (acres) ^a
	WR-8SE—West Tributary to Kelsey Creek Riparian Wetland	3	0.1
	WR-15—Unnamed Tributary to Kelsey Creek Wetland	4	<0.1
D3 via BNSF Total			0.1
D5 via 12th			
	WR-6—BNSF Matrix Wetland	3	0.1
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	<0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.1
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.4
D5 via 12th Total			0.7
D5 via BNSF			
	WR-8NW—West Tributary to Kelsey Creek Riparian Wetland	3	<0.1
	WR-10W—East of 140th Avenue NE Wetland	2	0.1
	WR-10E—East of 140th Avenue NE Wetland	4	<0.1
	WR-11—West of 140th Avenue NE Wetland	3	0.4
D5 via BNSF Total			0.6
SEGMENT E			
Preferred E2			
	WR-12—Bear Creek Wetland	2	0.1
	WR-13—Marymoor Park Wetland	3	0.3
Preferred E2 Total			0.4
E2-Design Option			
	WR-12—Bear Creek Wetland	2	0.2
	WR-13—Marymoor Park Wetland	3	0.3
E2-Design Option Total			0.5
E1			
	WR-12—Bear Creek Wetland	2	0.2
E1 Total			0.2
E4			
	WR-12—Bear Creek Wetland	2	0.2
E4 Total			0.2

^a Totals for each alternative rounded to the nearest 0.1 acre.

^b Impacts with D2A - 120th Station and NE 24th Design Options would not vary from those of *Preferred Alternative D2A*.