

APPENDIX D
RADIOCARBON DATES

¹⁴C Age Estimates from Test Locales, Mn/DOT Deep Test Protocol Project

Test Locale (Site #)	Provenience	Wood or Charcoal I.D.'s	Beta Analytic #	¹⁴ C age	Cal Yr(s) ¹
Clement (21SH47)	Tr-1 Charcoal 90 cmbsbs	<i>Ulmus</i> sp. (5 ct; 2.87 g)	200793	1510±90 BP	A.D. 380 to 680
Root River	DT-1 Wood 250-300 cmbsbs	<i>Fraxinus</i> sp. (5 ct; 150 g)	200806	1180±60 BP	A.D. 690 to 990
Root River	DT-3 Charcoal 110-120 cmbsbs	<i>Ostrya virginiana</i> (5 ct; 5.0 g)	200807	770±90 BP	A.D. 1040 to 1400
Root River	DT-1 Charcoal 130 cmbsbs	Diffuse (cf <i>Acer</i> sp.) (1 ct; 0.3 g)	200808	850±40 BP	A.D. 1050 to 1100 A.D. 1140 to 1270
Anderson (21AN8)	Tr-2 Fea 2004-02 Charcoal/74 cmbs	<i>Quercus</i> sp. (2 ct; 1.61 g)	200797	1170±40 BP	A.D. 960 to 1110
Anderson (21AN8)	Tr-1, Fea 2004-1 Charcoal/55 cmbs	<i>Juglans</i> sp. (3 ct; 0.3 g)	200792	210±40 BP	A.D. 1640 to 1690 A.D. 1730 to 1810 A.D. 1920 to 1950
Fritsche Creek II (21NL63)	Tr-1 Charcoal 120 cmbs	<i>Fraxinus</i> sp. (3 ct; 1.3 g)	200794	220±40 BP	A.D. 1640 to 1680 A.D. 1730 to 1810 A.D. 1930 to 1950
Fritsche Creek II (21NL63)	Tr-2 Charcoal 250 cmbs	Unident (0.2 g)	200795	8100±40 BP	B.C. 7160 to 7040
Fritsche Creek II (21NL63)	Tr-3 Charcoal 105-120 cmbs	Unident (0.5 g)	200796	6570±40 BP	B.C. 5610 to 5470
City Property	Tr-3 Charcoal 230 cmbs	cf. <i>Populus deltoides</i> (3 ct; 2.0 g)	200798	580±40 BP	A.D. 1300 to 1420
City Property	Tr-6 Charcoal 110 cmbs	Unident (0.24 g)	200799	650±40 BP	A.D. 1280 to 1400
Hoff Deep (21NR65)	DT-1#5 Charcoal 45-65 cmbs	Too little to ID (0.3 g)	200800	2680±40 BP	B.C. 900 to 800
Hoff Deep (21NR65)	DT-1 #4 Charcoal 100 cmbs	Ring porous (0.3 g)	200801	2020±40 BP	B.C. 110 to A.D. 70
Hoff Deep (21NR65)	DT-2 Charcoal 60-68 cmbs	<i>Fraxinus</i> sp. (2 ct), <i>Acer negundo</i> (3 ct), <i>Quercus</i> sp. (3 ct), ring porous (1 ct) Unident (1 ct), (4.0 g total)	200802	1130±40 BP	A.D. 790 to 1000
Hoff Deep (21NR65)	DT-2 Charcoal 115-128 cmbs	<i>Fraxinus</i> sp. (2 ct; 1.0 g/matrix)	200803	1980±40 BP	B.C. 50 to A.D. 100
Hoff Deep (21NR65)	DT-2 Charcoal 400 cmbs	<i>Fraxinus</i> sp. (1 ct; 0.5 g)	200804	3420±40 BP	B.C. 1870 to 1840 B.C. 1780 to 1620
Hoff Deep (21NR65)	DT-3 Charcoal 110 cmbs	Too little to ID (0.03 g)	200805	3420±40 BP	B.C. 1870 to 1840 B.C. 1780 to 1620

1. calibrated calendar years based on 2-sigma intercepts; after Stuiver et al., 1998