

E-Hemlock Grove along Birch Creek between the two Birch Creek Roads with Paul Savage, 5/23/02.

Tree #, in decreasing DBH order approx

Tree #	Circumference inches	Diameter inches	Radius meter	Age			Height at Cant level
				actual cant	projected full	years per full foot diam.	
1	129 1/4"	41.2	20.6 <i>Tree # 36</i>	92 y in 10 1/4" core by increment borer	$\frac{92}{10.25} = \frac{?}{20.6} \approx 185y$ ADD ± 10 y	$\frac{195y = 123?}{41.2" / 12"} = 57y$	DBH 4 1/2 ft. 195y ± core level
2	115" at lower end of grove	36.6	18.3				
3	107 1/4"	34.2	17.1				
4	105 1/2"	33.6	16.8				
5	102"	32.5	16.25				
6	96 1/2"	30.7	15.35				
7	96 1/2"	30.7	15.35				
8	96"	30.6	15.3				
9	not measured	38	19 <i>Tree # 39</i>	broken trunk 110 to 115 y full radius cant	$\frac{134 \text{ to } 139}{139y}$	max 7 rings / inch $\frac{139y}{38"} = \frac{?}{12"} = 44y$	12 feet up ADD 24 y
10	not measured	30	15 <i>Tree # 40</i>	broken trunk 85 y in a 10" radius.	$\frac{85}{10} = \frac{?}{15} = 128y$	$\frac{128y}{30} = \frac{??}{12"} = 51y$	not recorded but break closer to ground level ± 130y

Deep till, 2200' elev: ∴ Phenomenally FAST growth rates.

Beech + RM 24" ± DBH down fallen.  
RM with 40" pancake in deep till - no ledge

Year established, approx.
#1 1807
#9 1863 1840
#10 1872

Guigou Tannery ran 1831 to 1858  
Smith Tannery ran 1844 to 1860s

Bank road from farm into middle of grove.  
Farm sold to SMC in year 2002