

## Appendix G

### Potential Roost Trees.

Today, Hoosier National Forest is 96 percent forested, with about 68 percent in sawtimber sized trees ( $\geq 61$  years old). Forest Inventory Assessment Data (FIA) from 1959 to 1998 shows a significant increase in the amount of sawtimber sized trees throughout Indiana.

Although maternity colonies have never been found on the Hoosier National Forest, it is possible that reproductive activities could occur. Areas of the forest which have characteristics similar to known maternity habitat include riparian corridors and uplands within one kilometer of permanent streams. There are about 129,000 acres or 66 percent of Hoosier National Forest which meet these conditions.

According to 1998 FIA data, in the State of Indiana, there are 133,051,000 potential roost trees. The following table shows a comparison between: (1) available roost trees in the State of Indiana, (2) the nine counties where the Hoosier National Forest is located, and (3) the number of potential roost trees only on the Hoosier National Forest. Roost trees were trees greater than 9 inches in diameter at breast height.

The following table shows number of trees in thousand trees. Figures used to develop the table are from FIA data (<http://www.srsfia.usfs.msstate.edu/ewdata/ewrec.htm>). This table does not include reserved timberland such as the Charles C. Deam Wilderness, Paoli Experimental Forest, and Pioneer Mothers Research Natural Area. (13,404 acres of National Forest System forest land, Forest Plan p. B-16)). Reserved Timberland is land that has statutory or administrative restrictions prohibiting the harvest of trees. Examples include land within the National Wilderness Preservation System, Research Natural Areas, National Parks and Monuments, and State Parks. In National Forests, reserved forest lands are referred to collectively as withdrawn forest land.

**Potential Roost Trees**  
Units-Thousands of Trees

Tree Species		NFS land	9 Counties	Indiana
Latin Name	Common Name			
<i>Acer negundo</i>	boxelder	0	0	0
<i>Acer rubrum</i>	red maple	273	2,008	8,796
<i>Acer saccharinum</i>	silver maple	243	827	5,520
<i>Carya cordiformis</i>	bitternut hickory	124	1,225	6,378
<i>Carya glabra</i>	pignut hickory	655	4,132	9,722
<i>Carya laciniosa</i>	shellbark hickory	11	109	182
<i>Carya ovata</i>	shagbark hickory	191	2,465	10,115
<i>Fraxinus americana</i>	white ash	313	2,289	16,042
<i>Fraxinus pensylvanica</i>	green ash	22	167	3,783
<i>Nyssa sylvatica</i>	black gum	151	897	2,363
<i>Platanus occidentalis</i>	American sycamore	268	1,699	3,193
<i>Populus deltoides</i>	eastern cottonwood	0	19	7,713
<i>Quercus alba</i>	white oak	1,655	9,706	20,446
<i>Quercus macrocarpa</i>	bur oak	0	9	431
<i>Quercus muhlenbergii</i>	chinquapin oak	117	927	2,926
<i>Quercus rubra</i>	northern red oak	257	2,852	10,345
<i>Quercus shumardii</i>	shumard oak	24	24	111
<i>Quercus stellata</i>	post oak	78	295	416
<i>Quercus velutina</i>	black oak	940	6,534	14,288
<i>Robinia pseudoacacia</i>	black locust	20	169	2,287
<i>Ulmus americana</i>	American elm	9	415	4,710
<i>Ulmus rubra</i>	slippery elm	35	404	3,283
<b>Totals</b>		<b>5,385</b>	<b>37,172</b>	<b>133,051</b>