

## Forest Inventory and Analysis

The entire Nation is divided into 6,000 acre hexagons, we have a sample at the center ( or close to it) of each hexagon throughout the state.

The only difference between this info and what we do in wilderness is that in wilderness we only paint the base of the tree in the 1 foot area with a 2" strip of nelson "nelscript" tree paint. – as you and Bruce have discussed.

I can mail you our field manual if you would like.

Mark Majewsky

### PLOT LEVEL DATA

In general, plot level data apply to the entire plot. They are recorded from the center of subplot 1. If subplot 1 is not established, record from the lowest numbered subplot which is established.

#### 1.0.1NC NC SUBPLOT CENTER MONUMENTATION

Subplot centers are marked with wire, bent into a loop and wrapped with flagging (usually blue). Leave about two inches of the wire projecting above the ground. In reserved areas do not attach flagging to the wire. All subplot centers 1-4 are marked.

#### 1.0.2NC NC SUBPLOT REFERENCE TREES

On many plots, certain subplots within the plot lack information useful in determining their location on future surveys. Examples of this are subplots with a forested condition but without any trees within the subplot area.

All subplots 1-4 on the plot without live trees on the subplot or microplot that could be used to re-established subplot center location (i.e. no azimuth or distances to any tree) must be referenced. Monument reference trees above DBH and at the base with a scribe mark and paint on the side of the tree facing the subplot center. There is no set rule for painting a reference tree, but it is best to paint the tree with a number corresponding to the subplot being referenced. This method makes it easier for field crews on the next survey to identify which subplot they have located. In reserved areas, follow the same rules as on a subplot tree for monumentation.

Reference trees should have the following characteristics:

- ❖ Located within 119 feet of the subplot center
- ❖ Not likely to die or be cut before the next survey
- ❖ Species easily located in the stand
- ❖ At least 5.0 " DBH (or at least 2.0" DBH if no 5.0+ DBH is available)

In the "Reference Tree" grid of the plot sheet record the subplot number, azimuth, slope distance to the center at the base (nearest tenth of a foot), and DBH.