

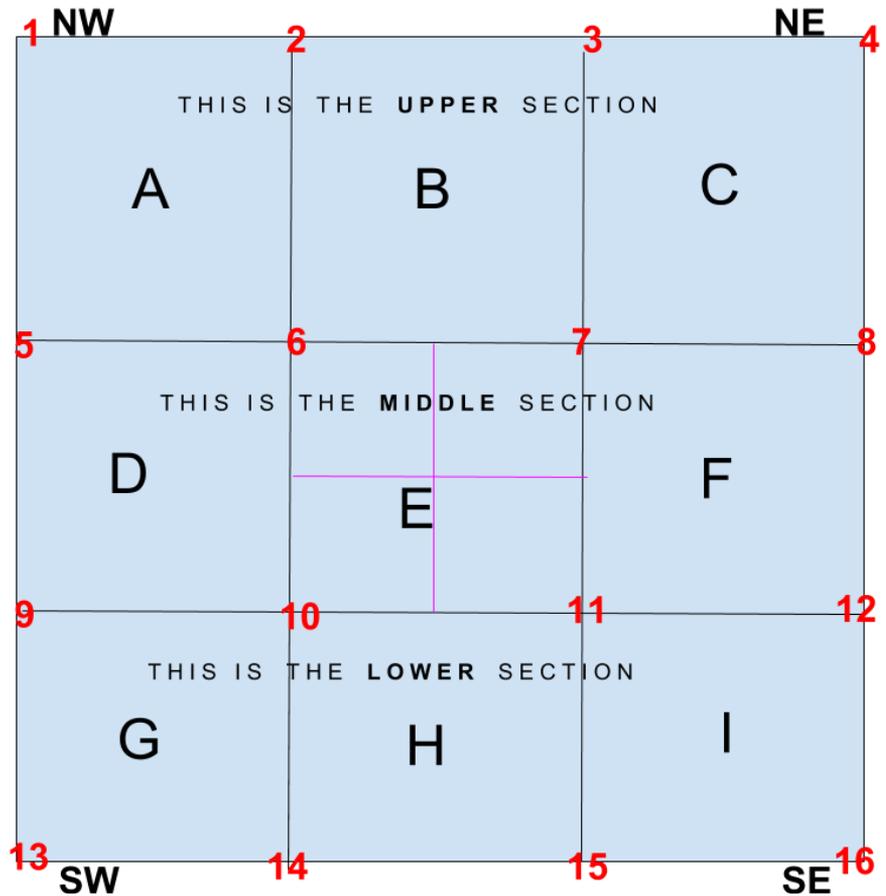
LETS Forest Plot Layout Process

Each plot is marked with an orange tag at each corner (northwest, northeast, southwest, and southeast). The exact location of the easiest to find tag with photo(s) is supplied on [a map](#) that will be taken into the field. Use compass (for cardinal directions) and a 30m measuring tape to assist in finding the corners.

On arrival at location, students will first lay out the side strings and then fill in the inner strings to make the 9 sub quadrats.

Work as a team. Check each other's work.

If a team finishes all its tasks early, it can help another team and check the work of other teams. If a string is laid out incorrectly, fix it.



Plot Layout Instructions:

Everyone in the group helps with setting up and breaking down the site. Unwind strings slowly and wind them back up tight. **This is a three person job.**

Goal: create a 30X30 grid on the forest floor with strings to facilitate surveying the trees.

First line:

- 1) Locate marked corner with **orange tag**. Typically this is point 13 or 16 (i.e., SW or SE).
- 2) Student 1 sights a compass on a point about 30m **north** (up the hillside) toward points 1 or 4.
- 3) Student 2 walks up the hill dragging the cord. Student 1 directs 2 to ensure that he walks a straight line.
- 4) Student 2 finds the corner marked with an **orange tag** and affixes string to the ground with a stick as near as possible to the orange tag. The string should be straight, but not extremely tight.
- 5) **NOTE:** Student 3 should be looking for the next corner tag and helping Student 2 reach it.

Second line:

- 1) From the **original orange tag** location, another team does the same thing heading east or west (depending on starting point).
- 2) See instructions above.

Third and fourth lines:

- 1) When the corner tags have been found, one person holds the spool of string and the other aims toward the next corner.

Filler lines:

- 1) At each 10m mark on the strings, stake a new string to the red mark and walk it to the equivalent mark on the opposite side of the 30m square. Make sure to stake lines (use strong sticks) well so that they don't move.
- 2) These 10m x 10m squares represent 10 x 10 small squares on the graph paper you'll use to record tree locations and species (sub quadrats A - I).
- 3) NOTE: **one person should stand on the 10m red mark** on the opposite side of the square. This makes it easy for the string-dragger to know where to go.

After Survey is complete:

- 1) Roll up each string individually back the way it was so it can be re-used next year. **PLEASE BE CAREFUL AND DO A GOOD JOB SO THE STRINGS DON'T COME BACK A TOTAL MESS!** Be considerate of the next group to use these strings.

NOTES: