

Today you will collect data on Trees and Shrubs from the McDonald-Dunn Research Forest.

There will be several survey teams each focusing on **either** Trees or Shrubs from a particular area(s).

I will provide you with a brief introduction on plant identification once we are in the field (**especially POISON OAK!**). **Please be certain to let me know if you are especially sensitive/allergic to any plants or animals.**

We will be using different methods for establishing our survey plots and gathering data than those described in your manual. The changes in protocol are outlined below.

**Tree surveyors will:**

- establish a transect line (a straight line running through the general survey area)
- “lay down” a 100 m transect line (if available, use a 100 m tape measure, otherwise you’ll have to use a 30 m tape multiple times)
- take the first 20 m of your transect line and use it as one side of a 20 X 20 m quadrat (400 m<sup>2</sup>)
- identify and measure circumference (circumference > 32 cm) for all trees in your quadrat (record your results in Table 27.3 – see separate sheets provided)
- following measuring all trees, move to the next 20 m of your transect line and establish your next quadrat
- identify and measure circumference (circumference > 32 cm) for all trees in your quadrat (record your results in Table 27.3 – see separate sheets provided)
- continue until you have completed 5 quadrats or until time runs out

**Shrub surveyors will:**

- establish a transect line (a straight line running through the general survey area)
- “lay down” a 25 m transect line (use a 30 m tape measure)
- take the first 5 m of your transect line and use it as one side of a 5 X 5 m quadrat (25 m<sup>2</sup>)
- identify and count (tally) all shrubs (woody plants with a circumference < 32 cm) in your quadrat (record your results in “Sampling Results for Shrubs ...” – see separate sheets provided)
- following the counting of all shrubs, move to the next 5 m of your transect line and establish your next quadrat
- identify and count (tally) all shrubs (woody plants with a circumference < 32 cm) in your quadrat (record your results in “Sampling Results for Shrubs ...” – see separate sheets provided)
- continue until you have completed 5 quadrats or until time runs out

**PLEASE REMEMBER: WE ARE GUESTS! TRAMPLING VEGETATION WILL NOT BE TOLERATED!!!**