

# Tree and Shrub Green-Up and Green-Down Site Selection

## Field Guide

### Task

Define the site for green-up and green-down measurement of trees and shrubs.

### What You Need

- [Site Definition Sheet](#)
- [GPS Data Sheet](#)
- [GPS Protocol Field Guide](#)
- Flagging tape or other durable identification
- Dichotomous keys and/or other local species guides
- GPS receiver
- Compass
- Pencil or pen

### In the Field

1. Complete the *Site Definition Sheet*.
2. Select one tree or shrub. The tree or shrub should be among the dominant native species in your area, deciduous, and easily accessible.
3. Select a healthy and relatively large branch on the south side of the plant in the Northern Hemisphere or the north side of the plant in the Southern Hemisphere. Use a compass or GPS receiver to determine direction. If a lower branch is chosen, it should be on the edge of the stand of trees or shrubs since branches inside a stand may experience a different microclimate due to shading.
4. Identify genus and species using field guides or the help of plant specialists. Record the genus and species on the *Site Definition Sheet*.
5. Mark the branch with flagging tape or some other durable identification. Label the flagging tape with a unique number and your name/group name, school name and class.
6. Take a GPS measurement following the [GPS Protocol](#).