

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

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| <input type="checkbox"/> <i>Green-Up and Green-Down Site Definition Sheet</i> | <input type="checkbox"/> Dichotomous keys and/or other local species guides |
| <input type="checkbox"/> <i>GPS Data Sheet</i> | <input type="checkbox"/> GPS receiver |
| <input type="checkbox"/> <i>GPS Protocol Field Guide</i> | <input type="checkbox"/> Compass |
| <input type="checkbox"/> Flagging tape or other durable identification | <input type="checkbox"/> Pencil or pen |

In the Field

1. Complete the top of the *Green-Up and Green-Down 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 *Green-Up and Green-Down 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*.