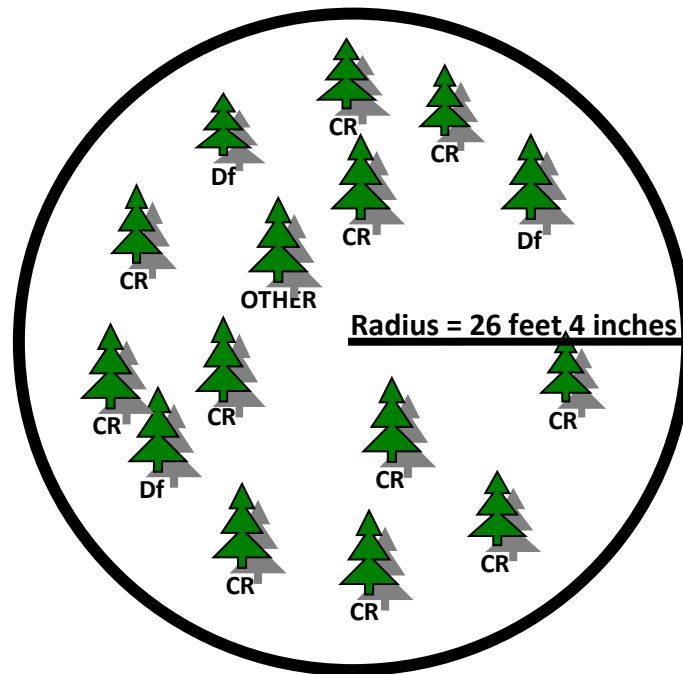


## DETERMINING SPECIES COMPOSITION IN COASTAL REDWOOD STANDS

One of the basic skills needed in forestry is determining species composition. Species composition is a determination of the tree species present in one place in the forest and their proportion to each other.

First, it is necessary to be able to identify the species that you would expect to find in a particular forest. In a coastal redwood forest, you will need to know the difference between coastal redwood, douglas-fir, and other species.

For this example, a 1/20 acre circular plot is used. In a 1/20 acre plot, the radius from the plot center is 26 feet, 4 inches. You will walk through the plot and identify each tree with a DBH (Diameter at Breast Height) of 10 inches or more. You will tally the number of trees of each species that are present in the plot. Here is an example:



The answer for this plot would be as follows:

Species: Coastal Redwood # trees: 11

Species: Douglas-fir # trees: 3

Species: Other # trees: 1