Name_____   Due Date_____   Points Possible   10

This project will be completed outside of class hours – however, we will have time to discuss and problem solve on Fridays.

You set up (and created a scale drawing of) a vegetation plot on campus. Now, you are going to use that drawing to calculate the area of each species and the percent of the plot area they occupy. Plants aren't convenient geometric shapes, so we will do our best here.

1. Calculate the area of your plot in square meters. (2 pts)

2. Calculate the area of each plant based on the dimensions provided by your scale drawing. (6 pts) [OR use the transparent grid]

3. Sum the area for each species if you have multiples of the same species. Now, calculate the percent of the plot area that each species occupies. (2 pts)

You might find a table like this useful.

Species	Square cm on drawing	Square m on the ground**	Percent cover***
Species 1			
Species 2			
etc.			
total			

** Remember to square your scale factor when converting from square inches on the drawing to square feet on the ground.
*** Overlapping canopies make it possible to have percent cover numbers greater than 100%.