

FOR 274: Forest Measurements and Inventory Lab #6

For your identified plot center, measure DBH for each of the flagged trees within a 1/10th acre fixed radius plot. Then using the Equation: Basal Area = 0.005454 * DBH² calculate the total basal area for your plot and therefore the basal area per acre that this data would produce:

Data:

Tree #	Species code	DBH (in)	Basal Area	Tree #	Species code	DBH (in)	Basal Area
1				13			
2				14			
3				15			
4				16			
5				17			
6				18			
7				19			
8				20			
9				21			
10				22			
11				23			
12				24			

Total Basal Area per acre = \sum (Basal Area's above) x 10 = _____ sq feet/acre

Next, about the same plot center, calculate the Basal Area Calculation using a Relaskop, Angle Gauge, and Prism Measures

	Relaskop	Angle Gauge	Prism
Site 1			
BAF	28	40	20
Count			
Basal Area			