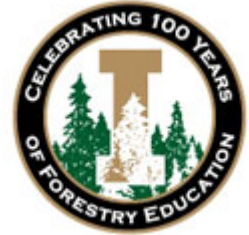


**College of Natural Resources**

**Department of Forest Resources  
Forest Measurements and Inventory  
Laboratory 6**



**Part 1: Stem Diameter and Heights**

The objectives of this laboratory exercise are to:

- Become proficient at accurately measuring both stem diameter and plant heights

**Location:** Meet at the **Gold Fire Hydrant** beside the **Old Arboretum**

**In this lab you establish a series of 1/10 acre circular plots at which you will be expected to as much as possible fill out the following field sheets.**

**It is important that you learn both how to work in a group and individually to most accurately conduct these measurements as you will be expected to each know them in your stand exam.**



**UNDERSTORY DATA**

Unit		Elevation				Plot center coordinates	
Stand		Date				x	
Plot #		Collectors				y	
Habitat type		Slope placement				bottom, low, mid, upper, ridge	
Aspect		Fuel Model					
% slope							
NORTH	Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)	
		grass					
		forb					
		shrub					
	tree/regen						
	litter						
	bare/other						
SOUTH	Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)	
		grass					
		forb					
		shrub					
	tree/regen						
	litter						
	bare/other						
EAST	Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)	
		grass					
		forb					
		shrub					
	tree/regen						
	litter						
	bare/other						
WEST	Quadrat location	vege. type	species code	% cover code	mean height (ft)	max height (ft)	
		grass					
		forb					
		shrub					
	tree/regen						
	litter						
	bare/other						

Code	Scientific Name	Common Name
Rogy	<i>Rosa gymnocarpa</i>	baldhip rose
Prem	<i>Prunus emarginata</i>	bitter cherry
Prvi	<i>Prunus virginiana</i>	chokecherry
Syal	<i>Symphoricarpos albus</i>	common snowberry
Psme	<i>Pseudotsuga menziesii</i>	Douglas fir
Crdo	<i>Crataegus douglasii</i>	Douglas hawthorn
Abgr	<i>Abies grandis</i>	grand fir
Loci	<i>Lonicera ciliosa</i>	honeysuckle
Phle	<i>Philadelphus lewisii</i>	Lewis' mockorange
Phma	<i>Physocarpus malvaceus</i>	ninebark
Hodi	<i>Holodiscus discolor</i>	oceanspray
Pamy	<i>Paxistima myrsinites</i>	Oregon boxwood
Bere	<i>Berberis repens</i>	Oregon grape
Beaq	<i>Berberis aquafolium</i>	Oregon grape
Pipo	<i>Pinus ponderosa</i>	ponderosa pine
Ruid	<i>Rubus idaeus</i>	red raspberry
Acgl	<i>Acer glabrum</i>	Rocky Mountain maple
Amal	<i>Amelanchier alnifolia</i>	Saskatoon serviceberry
Rupa	<i>Rubus parviflorus</i>	thimbleberry
Laoc	<i>Larix occidentalis</i>	Western larch
Thpl	<i>Thuja plicata</i>	Western redcedar
Saspp.	<i>Salix spp.</i>	willow