

**The Plant Community of the LCC Nature Trail  
Plant Community and Associations<sup>1</sup>**

**Biome:** Broad Definition is Northwestern coniferous Forest

**Habitat & Vegetation:** Mixed coast forest with mid canopy shrubs and herbaceous ground cover

**Plant Associations:** *Pseudotsuga menziesii/Toxicodendron diversiloba*

**Elevational Range:** average 500 ft. Latitude 44°, Longitude 123°  
Southern Willamette Valley foothills

**Mean annual precipitation:** 104 cm (40.9 in.)  
5.3 cm (2.09 in.) between June and August

**Growing season:** Year round with greatest growth period from February to June.

**Mean summer maximum temp:**  
27.9°C

**Mean winter minimum temp:**  
0.1° C

**Other attributes:** soil type- clay, loam  
Aspect 320° 15% slope gradient  
Disturbance ecology- fire regime (natural & set) every 80-200 years, logging  
Northernmost limit for *Quercus kelloggii*

**Dominant/Indicator species:**

<b>Family</b>	<b>Genus/species</b>
Aceraceae	<i>Acer macrophyllum</i>
Anacardiaceae	<i>Toxicodendron diversiloba</i>
Berberidaceae	<i>Berberis aquifolium</i>
Caprifoliaceae	<i>Symphiocarpus albus</i>
Dryopteraceae	<i>Polystichum munitum</i>
Fagaceae	<i>Quercus garryana</i>
Pinaceae	<i>Pseudotsuga menziesii, Pinus ponderosa</i>
Rosaceae	<i>Rubus discolor, Rubus ursinus, Oemleria cerasiformis</i>

For more complete species list please consult the **LCC Nature Trail Plant List Brochure**.

**Sources:**

- 1.) USDA Forest Service, "Field Guide to the Forested Plant Associations of the Westside Central Cascades of Northwest Oregon"
- 2.) USDA Forest Service, "Natural Vegetation of Oregon and Washington"
- 3.) Raven, Evert, & Eichorn, 1999. "Biology of Plants" 6<sup>th</sup> ed. Freeman/Worth Publishers. 944p.

**LCC Nature Trail Resources:**

<http://teach.lanec.edu/bakerg/NatureTrail.htm>

Plant List Brochure: <http://teach.lanec.edu/bakerg/objects/LCCNatureTrailBrochure.pdf>

<http://teach.lanec.edu/bakerg/NatureTrailPlantCommunities.htm>

<sup>1</sup> Nature Trail Plant Communities.doc