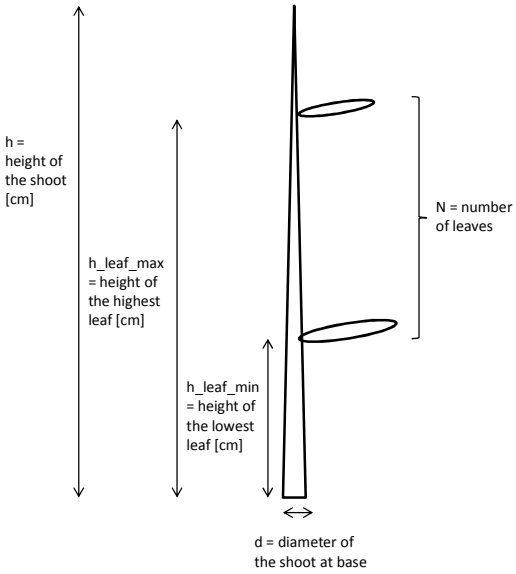
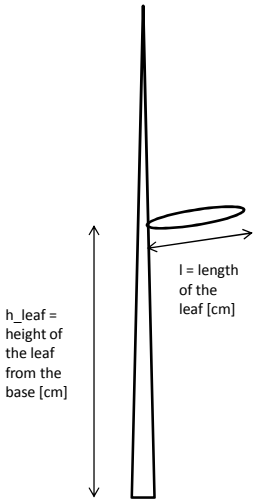
Fireweed_raspberry_geometry.xlsx$Fireweed_shoot

1. Measurements of shoots (N = 10)



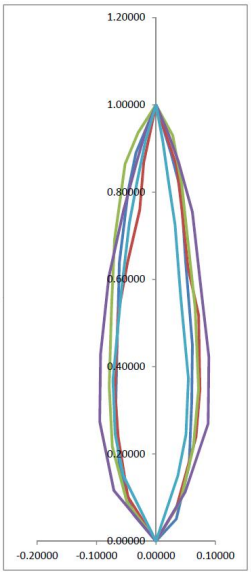
2. Measurements of sample leaves
- every 3rd leaf in a shoot



Fireweed_raspberry_geometry.xlsx$Fireweed_leaf_digitized

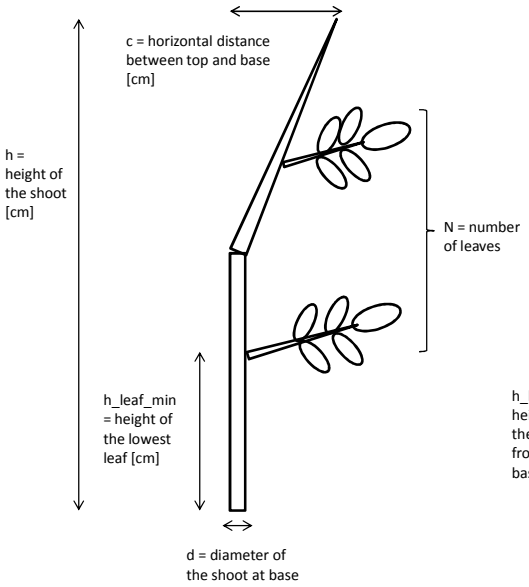
Five sample leaves (randomly selected) scanned, and digitized in ArcMap

- manual digitization using the scanned images
- each leaf is represented by a polygon with 16 vertices
- relative coordinate system, length of the leaf equals 1

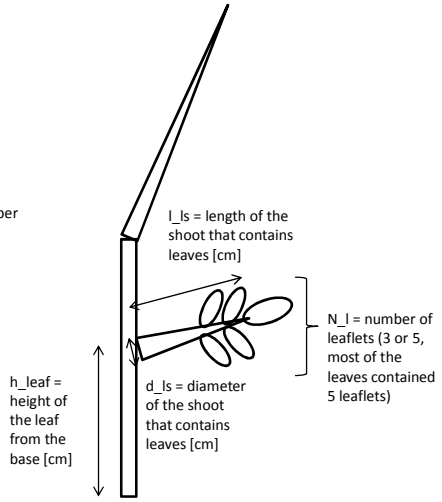


Fireweed_raspberry_geometry.xlsx$Raspberry_shoot

1. Measurements of shoots (N = 10)
- 1st year shoots only



2. Measurements of leaves
- every leaf in a shoot



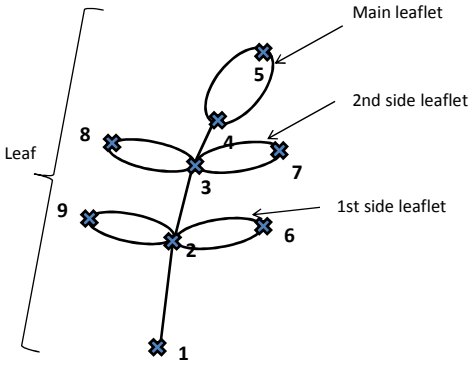
Fireweed_raspberry_geometry.xlsx$Raspberry_leaf_digitized

Sample leaves (randomly selected) scanned, and digitized in ArcMap

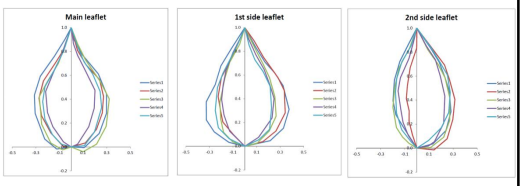
1. Digitization of leaves for determining leaf size

- tips of the leaves were digitized
- 9 points per leaf, see the figure

- coordinate system in meters



2. Digitization of the leaflets for determining their shape

- 5 randomly selected samples of
  - main leaflet
  - 1st side leaflet
  - 2nd side leaflet

- each leaflet digitized so that it is represented by a polygon with 16 vertices
- relative scale, length of the leaflet equals 1.