

Pacific madrone (*Arbutus menziesii*) survey

Assessment guide

p. 1 of 3

Tree condition

Height:

- 1 < 10' (3m) (<1 story building)
- 2 10' to 30' (3-9m) (1-3 story building)
- 3 30' to 75' (9-23m)(3-7 story building)
- 4 > 75' (>23m) (>7 story building)

Width:

Measure 4.5 feet up from the highest point of ground at the tree's base.

If multiple trunks, estimate the average width of all trunks

- 1 small <12" (30 cm) (less than a ruler wide)
- 2 medium 12" to 24" (30-60 cm) (1 to 2 rulers wide)
- 3 large 24" to 36" (60 - 90 cm) (2 rulers to 1 yard stick wide)
- 4 extra >36" (90 cm) (wider than a yard stick)

% Crown

Estimate the height at which the branches begin to grow on the tree trunk

Estimate from the base of the tree.

- 1 < 10' (3m) (<1 story building)
- 2 10' to 30' (3-9m) (1-3 story building)
- 3 30' to 75' (9-23m)(3-7 story building)
- 4 > 75' (>23m) (>7 story building)

New foliage

- 0 None
- 1 Bud swell
- 2 New, immature foliage

Other vegetative characteristics

- 1 Flowers
- 2 Berries
- 3 Newly emerging shoots around base of tree
- 4 Other (describe or photograph)

--

Pacific madrone (*Arbutus menziesii*) survey

Assessment guide

p. 2 of 3

Tree health

Overall impression of tree health

- H Healthy
- U Unhealthy

What percentage of the tree crown looks unhealthy or appears damaged?

- 1 < 10%
- 2 10% - 20%
- 3 20% - 50%
- 4 50% - 75%
- 5 > 75%

Foliar symptoms

- 0 None
- 1 Wilting leaves
- 2 Defoliation
- 3 Leaf spots (Necrotic reddish/brown spots)
- 4 Rust (Orange spots/bumps on underside of leaf)
- 5 Leaf blight (Whole leaf appears dry and dead, brown in color)
- 6 Botryosphaeria blight (Leaves that appear grey/black or "burnt")
- 7 Shoot Tip Dieback
- 8

Other (describe or photograph)

Foliage disease severity

If leaf blight is present, how bad is it?

- 1 <25% of foliage
- 2 25-50%
- 3 51-75%
- 4 >75%

Stem and branch symptoms

- 0 None
- 1 Dark, smooth, discolored lesions
- 2 Raised bumpy cankers
- 3 Wood decay
- 4

Other (describe or photograph)

Stem canker severity

- 1 0-5 cankers
- 2 5-10 cankers
- 3 > 10 cankers or large cankers covering most of the stem

Pacific madrone (*Arbutus menziesii*) survey

Assessment guide

p. 3 of 3

Insects

- 1 Wood borers
- 2 Termites
- 3 Leaf miner (white "trails" in leaf tissue)
- 4 Shield bearer (holes punched out of leaf)
- 5 Webbing in branches
- 6 Chewing on leaves
- 7 Other (describe or photograph)

--

Wildlife

- 1 Bird activity including feeding and nesting
- 2 Burrowing varmint holes
- 3 Foliage browse
- 4 Chewing on bark
- 5 Other (describe or photograph)

--