

Reference No. \_\_\_\_\_ Date: \_\_\_\_\_

Initials Number

Common name: \_\_\_\_\_

Scientific name: \_\_\_\_\_

Location \_\_\_\_\_

Habitat \_\_\_\_\_

Habit \_\_\_\_\_

GPS \_\_\_\_\_ or \_\_\_\_\_

UTM \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

X \_\_\_\_\_

Name of person collecting data (Please print clearly)

- 1 Branching / leaf arrangement (or Leaf scars)
- 1  Opposite
  - 2  Alternate
  - 3  Spiral
  - 4  Whorled
- 2 Internal feature of Twig (lateral section)
- 1  Spongy & continuous
  - 2  Diaphragmed
  - 3  Chambered
- 3 Internal feature of Twig (cross section)
- 1  Triangle
  - 2  Star shaped (multiple points)
  - 3  Round
- 4 Pith color
- 1  White
  - 2  Brown
  - 3  Green
  - 4  Pink
- 5 Twig surface textures
- 1  Hairy
  - 2  Glabrous
  - 3  Lustrous
  - 4  Thorns, spines or prickles
- 6 Twig taste / smell
- 1  No taste/smell
  - 2  Disagreeable
  - 3  Bitter Almond
  - 4  Wintergreen
  - 5  Camphor
- 7 Bark texture (age of tree will effect bark texture)
- 1  Smooth (or nearly smooth)
  - 2  Peeling
  - 3  Scaly (patches of thin bark)
  - 4  Shaggy
  - 5  Furrowed (or ridges)
  - 6  Blocky (small blocks of bark)
  - 7  Netted (criss crossing pattern)
- 8  Monopodial (true end bud)
- 2  Sympodial geniculate (geniculate (zig zag) - end leaf - no end bud)

- 9 Leaf scar shape
- 01  Horse shoe (Nearly surrounds bud)
  - 02  U shaped
  - 03  Half round
  - 04  Crescent
  - 05  Shield shaped
  - 06  Heart shaped (or 3 lobed)
  - 07  V shaped
  - 08  Round
  - 09  Triangular
  - 10  Linear



Photos of leaf scars

Sketch of leaf scar with vascular bundle scars

This is the heart of the study (please take extra care with this data - if in doubt, place a question mark by the choice in doubt)

10 Bark pattern around branches

- 1  Round
- 2  Tent
- 3  Eye
- 4  Drape
- 5  Under only
- 6  Cone
- 7  None

11 Leaf Type (if available)

- 1  Simple
- Compound
- 2  Opposite or in pairs
  - 3  Alternate
  - 4  Basal
  - 5  Whorl or Spiral
  - 6  Double Compound

Photos of:

- Whole Tree (with scale in photo \_\_\_\_\_ ft above ground)
- Leaves (if available)
- Blossoms (if available)
- Fruit (if available - look on ground around tree)
- Bark (with scale)
- Photos of leaf scars
- Bark pattern around branches (vital to resolve patterns in doubt. This is very important since it is the heart of the study)

Collect twigs specimens (plus Leaf and Fruit if possible)

Circumference at chest level \_\_\_\_\_ in

Send photos and collected material to:

Leroy Jones  
PO Box 140  
Woolwine, VA 24185

Photos and images of forms can be emailed to:

[ljones42000@gmail.com](mailto:ljones42000@gmail.com)  
[ljones42000@yahoo.com](mailto:ljones42000@yahoo.com)  
[ljones42000@hotmail.com](mailto:ljones42000@hotmail.com)