
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

| Diameter at Breast Height: Using DBH Tapes |
| :--- | :--- |


$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Diameter at Breast Height: Using DBH Tapes
 DBH above deformation.

Diameter at Breast Height: Using DBH Tapes
For cankers occurring at DBH you can either measure as close as possible above and account for taper OR take an average above and below.


$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

Diameter at Breast Height: What would you do here?

For trees growing on objects (rocks, logs, etc), the DBH is measured by assuming the tree's base is at the root crown.

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$



## Diameter at Breast Height: Branches and Forks

Special Case:
If two trees have grown together (as indicated by a bark seam above and below DBH), then each tree is measured separately.


Diameter at Breast Height: Branches and Forks

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


## Bark: Diameter Inside Bark (DIB) Measurement

Form Class describes a set of methods to estimate the top diameter of the first log. This diameter is needed as it will effect all subsequent log diameters and thus the merchantable volume.


A common Form Class is the ratio of diameter inside bark (DIB) at the top of the first log to the DBH.

This ratio captures the taper that occurs during the first log.

The Bark Thickness Ratio (BTR) is the ratio of the DIB to the diameter outside bark (DOB) at the top of the first log.

FC $=(\mathrm{DIB} / \mathrm{DBH})^{*} 100=(22 / 30) * 100=73$


$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$


Example: Tree \#1 has three qualifying stems; 5.9, 2.4, and 1.5

$$
\mathrm{DRC}=\sqrt{(5.9)^{2}+(2.4)^{2}+(1.5)^{2}}=6.5
$$

$\qquad$
$\qquad$
$\qquad$
$\qquad$


$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$
$\qquad$

