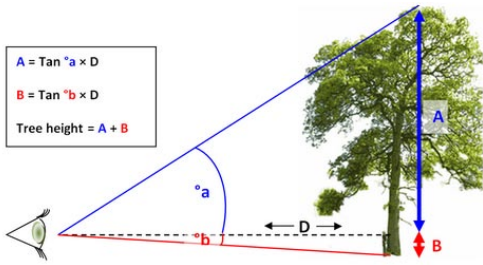


Tree Height – Using a clinometer

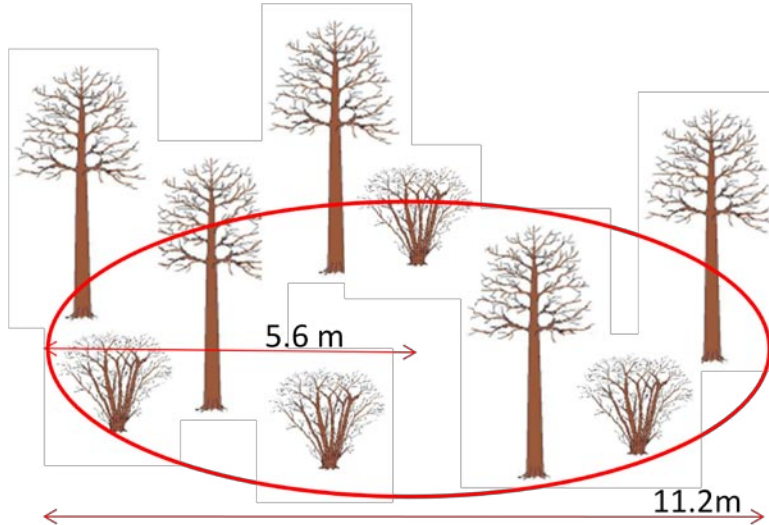


Measure the total height of the tree

Use a clinometer for measuring the height of a tree and take an average estimate of the trees in stratified group.

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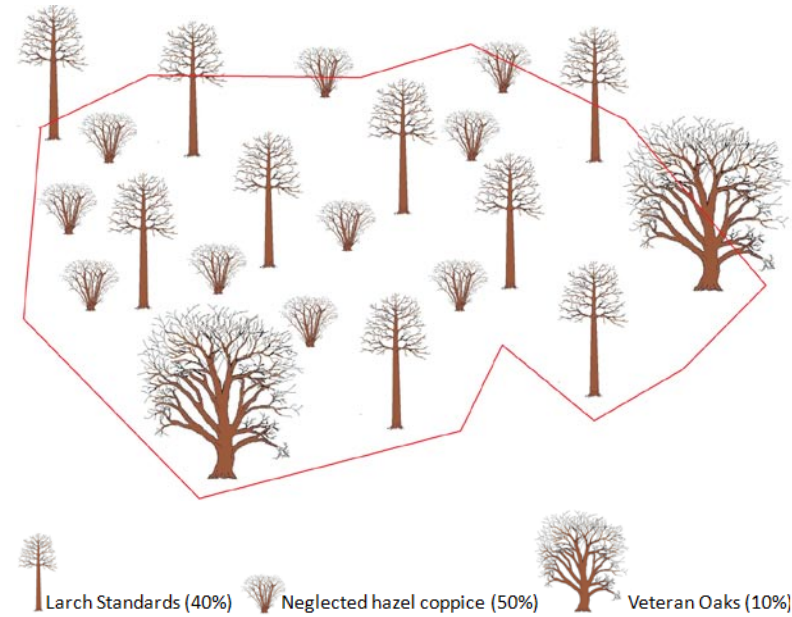
Estimating woodland stocking density (example)



- 1) Measure out 4 random plots in the woodland,
- 2) Count the number of trees in each plot
- 3) Add the totals for the 4 plots together, divide by 4 and multiply by 100.

e.g. Plot (A) 5 (B) 7 (C) 7 (D) 6 = $25 / 4 = 6.25$ $6.25 \times 100 = 625$ trees per hectare

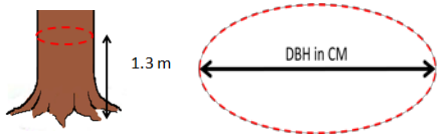
Estimating woodland % composition – Group stratification (example)



Detailing the species composition of each woodland / compartment requires:

- 1) The identification of the different tree species
- 2) Stratification of each species into groups based on tree form and age
- 3) Estimation of the percentage stems per group in woodland. Total = 100 %

DBH – Diameter at breast height



Either

- A) Measure the circumference using a standard tape measure, then divide by 3.14
- B) Use a Forester's DBH tape

Tree form assessment – Please select a tree icon that provides an average representation of the tree species / age class that you are assessing

(1) Good form with clear stem	(2) Good form & lower branching	(3) Poor stem form	(4) Forking below half height of tree	(5) Forking with heavy branching	(6) Loss of leader / very poor stem form	(7) Neglected coppice	(8) Worked coppice	(9) Veteran tree – mature tree with significant stem girth

Woodland.....Compartment.....

% Composition	Species	Year Planted / Estimated Age	Diameter at Breast Height (DBH)	Height	Stocking Density (average for compartment)	Tree Form

Notes

Woodland.....Compartment.....

% Composition	Species	Year Planted / Estimated Age	Diameter at Breast Height (DBH)	Height	Stocking Density (average for compartment)	Tree Form

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