

Excerpts from PowerPoint Presentation by John Squires at Lynx Workshop in Missoula, MT – Feb 20, 2008: “Measuring Horizontal Cover of Forests Associated with Lynx Habitat Use”

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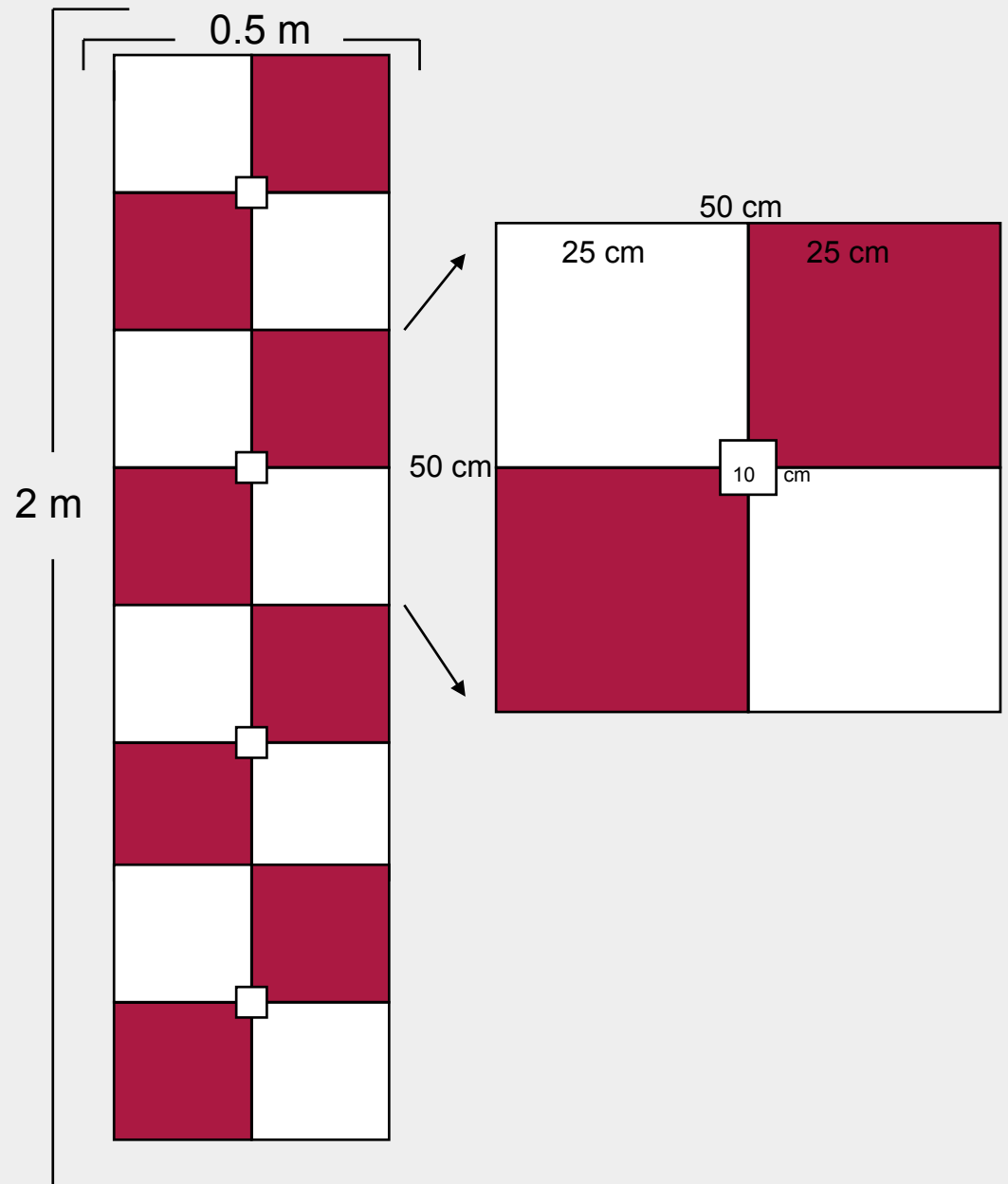
Estimating Horizontal Cover



Measurement Method: We used a 0.5 m x 2 m cover board (divided into 4, 0.5 m² square blocks; Nudds 1977) to provide an ocular estimate of horizontal cover (visual obscuration). We took 4 horizontal cover readings at each plot; 2 board readings were taken at the ends of the transect and 2 others at 11.2 m from plot center perpendicular to the transect.

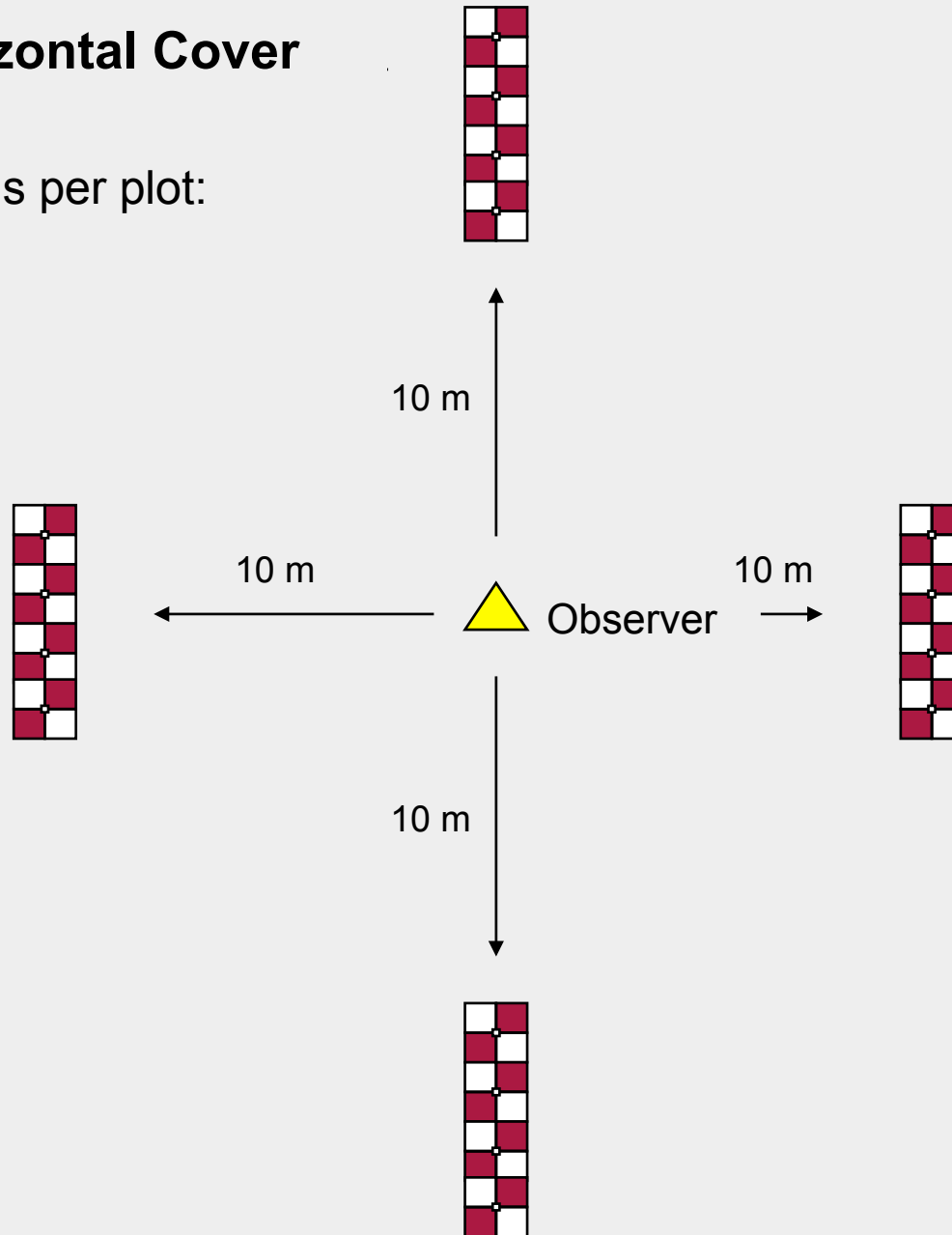
Nudds, T. D. 1977. Quantifying the vegetative structure of wildlife cover. *Wildlife Society Bulletin* 5:113-117.

Estimating Horizontal Cover



Estimating Horizontal Cover

Four readings per plot:





Horizontal Cover ??

Top = 30 %

Mid-top = 25

Mid-bottom = 80

Bottom = 90

Board Average = 56 %

Plot Average

Board Average = 56 %

Board Average = 87 %

Board Average = 90 %

Board Average = 45 %

Plot Average = 70 %

Estimated sample size across a range of mean horizontal cover values

(assumptions: probability = 0.90, precision = 0.20, SD = 18)

