

Herbaceous Diversity of Indiana's Old-Growth Forests

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Objectives

To establish a baseline status of the herbaceous vegetation of eight of Indiana's old-growth forests

- Establish what is found on each site and where
 - Monitor invasive species
- Provide starting point for future studies and to provide more information to resource managers

Objectives

- Two components to the study
 - Determine the diversity and spatial distributions of herbaceous species
 - Determine how each site fits into the landscape around it

Plant Diversity and Spatial Distributions

- Cyclic transects
 - 1m² quadrats in a repeating pattern
 - Sample once for spring ephemerals and again in late summer for summer herbs
 - Hemispherical canopy photos and GLA[©]
 - Detailed habitat notes

Coarse woody debris

Trails

Beech aphids

Hydrology

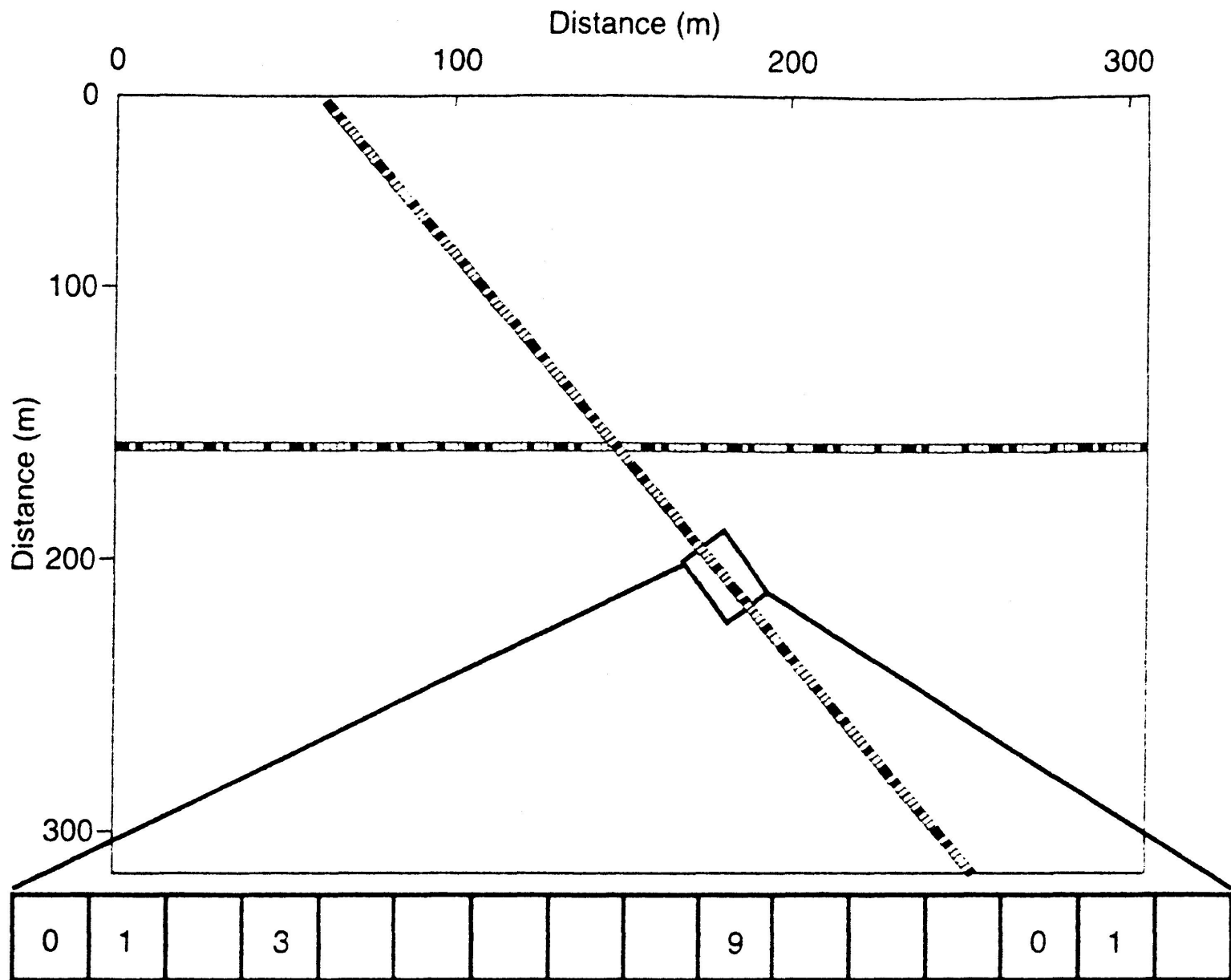
Treefall Gaps

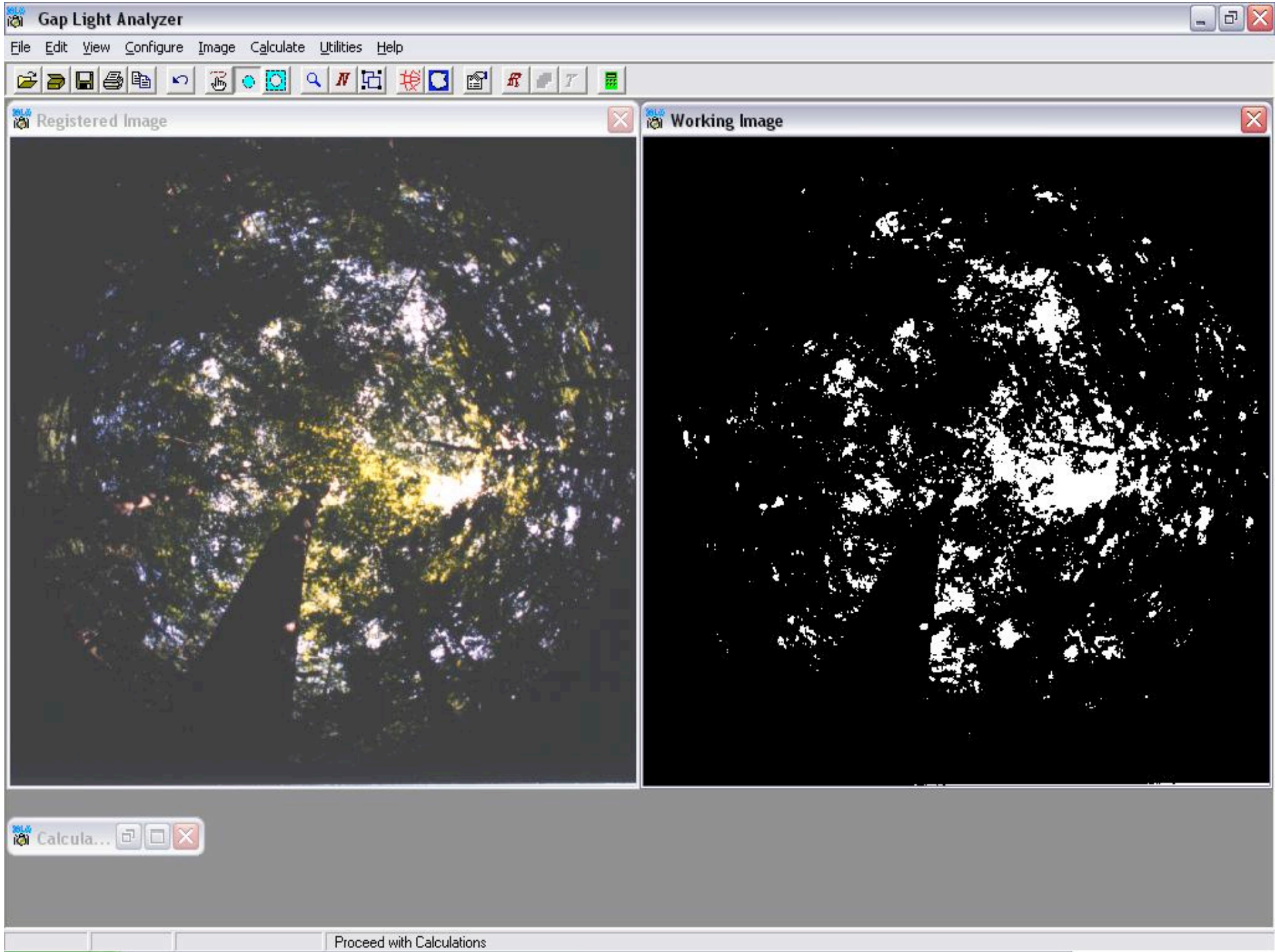
Pits and mounds

Slope and Aspect

Animal activity

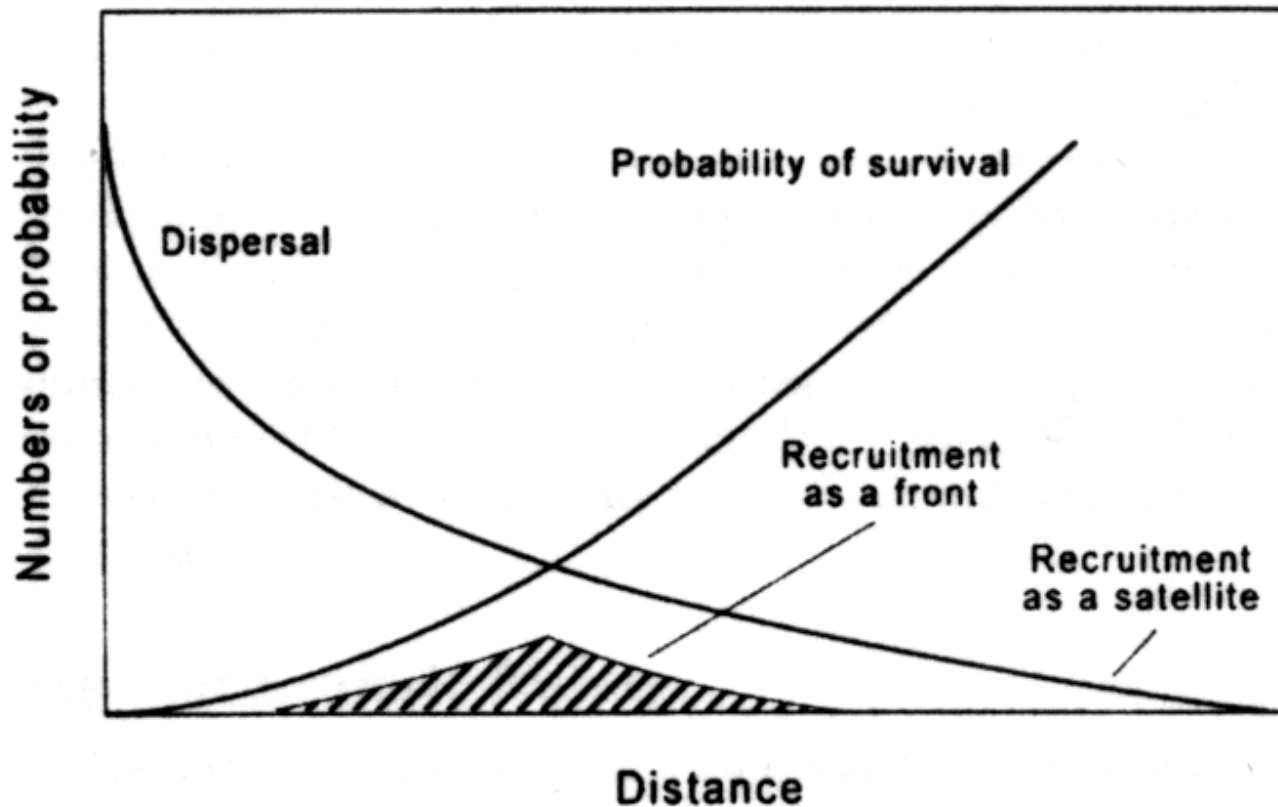
etc.





Plant Diversity and Spatial Distributions

- Why are spatial distributions important?



Landscape Characteristics

