

## GENERAL INFORMATION

<b>author(s)</b>	Dhont L
<b>year</b>	1983
<b>English title</b>	Study of the vegetation structure along two transects in the Aelmoeseneie forest (Gontrode/Landskouter)
<b>original title</b>	Vegetatiestructuur van het Aelmoeseneiebos (Gontrode/Landskouter) op basis van schaaltekeningen en opnamen in twee transecten
<b>reference</b>	Msc thesis, Ghent University, Ghent
<b>pages</b>	135
<b>type</b>	dissertation (d2)
<b>ecosystem service</b>	supporting – forest dynamics, biodiversity
<b>keywords</b>	forest structure
<b>taxa</b>	
<b>project</b>	
<b>supervisor</b>	Van Der Veken P
<b>institution</b>	Faculteit van de Wetenschappen, Groep Plantkunde
<b>document</b>	hardcopy + pdf of the appendix
<b>data</b>	Flora&Fauna.xls, Gruwez_2006_th

## MATERIALS & METHODS

<b>study area</b>	5b, 5e, 5l, 5n
<b>time period</b>	August–October 1982, April 1983
<b>goal</b>	Testing the transect method for the description of forest structure in a semi-natural forest, some empirical laws regarding the tree height-diameter and tree height – branch-free stem length relationships of Halle et al. 1978, the diameter distribution of trees and coppice, the position of the morphological inversion surface.
<b>set-up</b>	two transects (fig. 2 p 3) <ul style="list-style-type: none"><li>- A: 75 m from the railway, 80 m x 10 m, from wet (S) to dry (N)</li><li>- B: cut tree gap next to the Geraardsbergsesteenweg, 100 m x 10 m</li></ul> transect width 10 m for the trees, 5 m for the shrubs, 2 m for the herb vegetation
<b>data collection</b>	structure: tree height, branch-free stem length, diameter at breast height, internal crown cover for trees taller than 10 m, horizontal and vertical profile drawings (tree positions, crown projections) vegetation (2 m x 2 m plots): species, abundance (Londo), crown area index light at 10 m intervals along the transects
<b>remarks</b>	The south-eastern part of transect B was cut in the winter of 1981.

## RESULTS

The tree, shrub and herb layer along the two transects are described. The transect method can be time-consuming, but gives an objective overview of the studied transects.