

Effects of logging on canopy structure and the physical environment of a lowland dipterocarp forest of Central Kalimantan

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Abstrak

The main effect of logging is to create an artificial disturbance regime resulting in canopy gaps and disturbance to soil, seedlings and the forest understory. The effects of logging on the physical environment of a lowland dipterocarp forest in Central Kalimantan are being investigated. A range of approaches are being applied to characterize these impacts. The effect of logging on canopy cover, seedling density and soil disturbance are recorded to produce low resolution maps of the plots before and after logging. More detailed information about changes in canopy structure is determined using image analysis of hemispherical canopy photographs.