

Tropical Forest Census Plots Methods And Results From Barro Colorado Island Panama And A Comparison

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Tropical Forest Census Plots Methods

Tropical Forest Census Plots - CTFS

The Center for Tropical Forest Science was opened in 1990 at the Smithsonian Tropical Research Institute Its primary purpose was to establish a series of long-term, large-scale forest census plots throughout the tropics Tropical Forest Census Plots: Methods and ...

PROTOCOL FOR INVENTORY OF MAPPED PLOTS IN TROPICAL ...

LEDO A 2015 Protocol for inventory of mapped plots in tropical forest Inventorying field mapped plots can be difficult in tropical forest because visibility and access are limited due to high density of woody plants Additionally, steep slopes and frequent presence ...

Tropical forest tree mortality, recruitment and turnover ...

We quantify this artefact for tropical forest trees, develop correction methods and Stand-level mortality rates from 14 multicensus long-term forest plots from Africa, Latin America, We take two approaches to assess if the census inter-val effect on tropical forest tree mortality, recruitment and turnover rates is a serious problem

Methods for estimating aboveground biomass of forest and ...

Center for Tropical Forest Science and ForestGeo Smithsonian Tropical Research Institute August 2008 Please cite as: Condit, R 2008 Methods for estimating aboveground biomass of forest and replacement vegetation in the tropics Center for Tropical Forest Science Research Manual, 73 pages

Tropical Forest Diversity—The Plot Thickens

Tropical Forest Diversity—The Plot Thickens census will start soon in two more plots Two decades' worth of results from the 16 FDP sites were discussed at a workshop

Sampling designs for national forest assessments

Sampling designs for national forest assessments 1 Ronald E McRoberts, Erkki O Tomppo, 2 and Raymond L Czaplewski 3 1 Northern Research Station, US Forest Service, 1992 Folwell Avenue, Saint Paul, Minnesota 55108 USA 2 The Finnish Forest Research Institute, PO Box 18, FI ...

Tropical Forest Census Plots Methods And Results From ...

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Beyond the tropics: forest structure in a temperate forest ...

Methods: We mapped, tagged, identified, and measured all woody stems (1 cm diameter) in a 6-ha forest plot, following Center for Tropical Forest Science protocols We compared patterns to those found in 14 tropical and 12 temperate forest plots Results: The forest is dominated by Douglas-fir (*Pseudotsuga menziesii*) and three species of Fagaceae

A new technique for inventory of permanent plots in ...

Amongst other modern forest inventory methods (Holopainen & Kalliovirta 2006), A new technique for inventory of permanent plots in tropical forests: a case study from lowland dipterocarp forest in Kuala Belalong, while there are virtually no such studies from the tropical forest ecosystems

Do abundance distributions and species aggregation ...

Location Tropical forest plots in Barro Colorado Island (BCI), Panama, and in Sinharaja, Sri Lanka Methods We assess the predictive power of the three rules using dynamic and spatial simulation models in combination with census data from the two forest plots We use two different versions of the model: (1) a neutral model and (2) an

REVIEWS Research in large, long-term tropical forest plots

census plots Thus began the study of forest dynamics plots: complete maps of saplings and trees in large areas of tropical forest Following the initial study in Costa Rica, Hubbell and Robin Foster established a 50 ha plot on Barro Colorado Island (BCI) in Panama at the Smithsonian Trop

The relationship between wood density and mortality in a ...

a pan-tropical scale Here, we present the results of analyses exploring the relationship between wood density and mortality in over 765 500 trees from 1639 species at 10 long-term forest census plots located across the Old and New World tropics Our study improves on previous efforts by including a broad range of tropical forests across

A new technique for inventory of permanent plots in ...

R Hédl et al: A new technique for inventory of permanent plots 125 device and/or electronic compass are still rare even in temperate forest ecology (Kalliovirta et al 2005, Fajardo et al 2007), while there are virtually no such studies from the tropical forest ecosystems Aim of this paper is to introduce the application of the above

Predicting tree heights for biomass estimates in tropical ...

Predicting tree heights for biomass estimates in tropical forests these methods still require calibration points from (Lucas et al, 2002) Forest census

plots typically consist of various

Dynamics of the Forest Communities at Pasoh and Barro ...

Dynamics of the Pasoh forest in Peninsular Malaysia were assessed by drawing a comparison with a forest in Panama, Central America, whose dynamics have been thoroughly described. Census plots of 50 ha were established at both sites using standard methods. Tree mortality at Pasoh over an eight-year

Demographic costs and benefits of natural regeneration ...

forest is highly fragmented lowland tropical rainforest with approximately 300 tree species (Martinez-Ramos et al 2016) and the nearest forest patch is late secondary forest c 100 m away from the plots (de la Peña-Domene et al 2016). The cattle pasture where our experimental plots are located was

Initial census, woody seedling, seed rain ... - Harvard Forest

Similar plots in the temperate zone have been largely lacking, however. The SCBI plot represents one of the first of its kind in the Smithsonian Global Earth Observatory's recently established network of such plots, complementing its well-known network of tropical ...

Predicting species diversity in tropical forests

The locations of five tropical forest plots across the globe. Each census encompasses 50 ha of forest within which every woody stem greater than 1 cm in diameter has been identified to species, measured for girth, and spatially mapped to 1-m accuracy. The name, country, number of trees, and number of