
Understanding Forest Disturbance Spatial Pattern Remote

united states natural disturbance and stand development ... - incorporating an understanding of natural disturbance and stand development processes more fully into silvicultural practice is the basis for an ecological forestry approach. such an approach must include 1) understanding the importance of biological legacies created by a tree regenerating disturbance and **understanding disturbance thresholds and opportunities to ...** - despite the potential of disturbance thresholds, there have been a number of misunderstandings about their use and the science that supports them. this primer is intended to help advance understanding of disturbance thresholds described in the national recovery strategy by answering a number of key **disturbance ecology and forest management: a review of the ...** - disturbance ecology and forest management: a review of the literature paul rogers then there are insects—moths, weevils, caterpillars, worms, beetles, sawflies, termites, and borers. they march, dig, fly, bore, crawl, reproduce within trees, and nourish themselves and their young. some, like the bark beetles, are the mortal foe of conifers.

characterizing stand- replacing harvest and fire ... - 21 2 understanding forest disturbance and spatial pattern found ndvic to be a better predictor of leaf area index than the more broadly applied, uncorrected ndvi; "correcting" the ndvi with a middle-infrared band increased the sensitivity of the index to forest biomass. therefore, we selected ndvic to indicate forest biomass. **impacts of tropical forest disturbance on species vital rates** - impacts of tropical forest disturbance on species vital rates ... efforts to improve understanding of anthropogenic impacts on species demography are underway, but there is a need for increased research effort to fill knowledge gaps in understudied tropical regions and taxa. **natural disturbance impacts on ecosystem services and ...** - to avoid disturbance-related losses particularly with regard to timber production. on the other hand, with the advent of science-based ecosystem management and a growing understanding of the integral role of disturbances in natural forest ecosystem dynamics, mimicking natural disturbance regimes to foster elemental processes of ecosystem dynamics **combining political ecology and ecological disturbance ...** - forest conservation efforts prohibit utilitarian uses and anthropogenic disturbances our second theme demonstrates that combining historical political ecology and ecological disturbance theories elucidates an alternative understanding of long-fallow swidden that challenges **6 integrating gis and remotely sensed data for mapping ...** - 6 integrating gis and remotely sensed data for mapping forest disturbance and change john rogan and jennifer miller ... understanding forest disturbance and spatial pattern gration of gis data with remotely sensed imagery has witnessed increased interest for the following reasons: 1. increased data availability, quality, and decreased data ... **how similar are forest disturbance maps derived from ...** - abstract: disturbance is a critical ecological process in forested systems, and disturbance maps are important for understanding forest dynamics. landsat data are a key remote sensing dataset for monitoring forest disturbance and there recently has been major growth in the development of disturbance mapping algorithms. **hemiboreal forest: natural disturbances and the importance ...** - hemiboreal forest: natural disturbances and the importance of ecosystem legacies to management. *ecosphere* 8(2): e01706. 10.1002/ecs2.1706 abstract. the condition of forest ecosystems depends on the temporal and spatial pattern of management interventions and natural disturbances. remnants of previous conditions persisting after disturbances, **the northeastern forest health atlas - uvm** - valuable in understanding spatiotemporal patterns of forest disturbance, particularly in terms of inter-annual variability, cumulative impacts, and potentially shifting disturbance regimes. moreover, ads data have not been publicly available in a format that enables users to assess multiple years of disturbance across space. **tracking human disturbance in mangroves: estimating ...** - pogenic factors are important to understanding forest dynamics. introduction disturbance has an important impact on man-grove forest dynamics (lugo and snedaker 1974; smith 1992) by influencing species composition, sediment accretion, and biogeochemical cycles through hurricanes and typhoons (smith et al. **evaluating an automated approach for monitoring forest ...** - disturbance history is necessary to understand forest c fluxes. disturbance events forests, such as for logging, fire, insect outbreaks and storm damage, typically result in a net c release to the atmosphere. it is important to know when the disturbance occurred, the type, intensity, extent and rate of recovery to be able to improve c-cycle ... **spatial distribution of canopy gaps in a tropical forest ...** - spatial distribution of canopy gaps in a tropical forest landscape and its influence on the tree community . by treefall gaps can help scaleup the impacts of canopy disturbance on forest communities - ... measures of gap disturbance in a lowland tropical forest: implications for understanding forest regeneration and . **spatial scale and sampling resolution affect measures of ...** - treefall gaps play an important role in tropical forest dynamics and in determining above-ground biomass (agb). however, our understanding of gap disturbance regimes is largely based either on surveys of forest plots that are small relative to spatial variation in gap disturbance, or on satellite imagery, which cannot accurately detect small ...

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