Forest composition as predictive variable of forest fires

Abstract

In this study, the~~The~~ effect of dryness and fire on~~at~~ the composition of forests was considered.~~considered, in this study.~~ Forest sampling was carried out in central California, which over the last few years has seen~~seen,~~ a great number~~quantity~~ of wildfires. Areas with and without a~~without~~ history of forest fires were selected~~selected,~~ and their composition was carefully studied.~~studied carefully.~~ The results showed~~showed,~~ that forest heterogeneity differed greatly between forests~~forest~~ that were and were not impacted by fires. Fire intensity significantly affected variables such as tree density, species diversity,~~diversity~~ and the spread of unburned patches. Although~~While~~ fire intensity had a huge impact on the severity of each of these, even relatively small fires showed that~~that,~~ there were dramatic effects on heterogenity. Future research should investigate the predictive character of different composition characteristics. Studies have found that forest fires have a cyclical character, meaning that if a forest has a history of fires, it is more likely to become flammable again. They can be used~~used forest composition characteristics~~ to assess the history and also the susceptibility to~~the~~ fire~~fire susceptibility~~ of forests. California is a classic example area and one~~one that is~~ worth studying.~~to study.~~

Background

Forest fires are a very serious problem around the world, leading to thousands~~concern worldwide, lead thousand~~ of deaths.~~people to death.~~ Many governments have brushed off the severity of forest fires over the years, but adequate precautions can be used to prevent~~for the prevention of~~ them. Successive Five-Year~~Five Year~~ Plans have provided funds for forest fighting. During the British period, fire was prevented in the summer by removing~~through removal of~~ forest litter~~litter all~~ along the forest boundary. This~~This,~~ was called the~~called~~ "Forest Fire Line". These~~This~~ lines are~~lines~~ used to prevent fires from entering~~for the prevention of fire breaking into~~ the forest from one compartment to another. The collected litter was burnt in~~at~~ isolation. Generally, the fire spreads~~spread~~ only if there is a continuous~~is~~ supply of fuel that is continuous (Dry vegetation) along the~~the paths of the~~ fire spread paths.~~spread.~~ This phenomenon has been widely exploited by scientists. The best way to control a forest~~forrest~~ fire is~~is, therdefore,~~ to prevent it from spreading, which can be done by creating firebreaks~~firebreak~~ in the shape of small clearings of ditches in the forests. This is now knowledge that is not widely known, which is worth to point out in this paper.