

INTEGRATION OF REMOTE SENSING MATERIALS, FAHP TO GIS TO DEVELOP A MAP OF KEY FOREST FIRE ZONING IN QUANG BINH PROVINCE

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Summary

Quang Binh province is located in the region which is affected by the North Central climate and weather. It is very hot with the wind named Southwest Phon in the summer. Therefore, annual forest fire is at very high risk. The Fuzzy Analytic Hierarchy Process (FAHP) which determines the weight of ecological and socio-economic factors, was used in the study to develop a map of key forest fire zoning in Quang Binh province. The study result shows that the forest areas at High risk, Medium risk, Low risk, and very Low risk are in turn 39,362 ha, accounting for 4.9%, 434,255 ha, accounting for 53.8%, 179,821 ha, accounting for 22.3% and 153,089 ha, accounting for 19.0%.

Keywords: *FAHP, Influence factor, Risk of forest fire, Quang Binh.*