

SÚČASNÝ STAV LESNÝCH EKOSYSTÉMOV Z HĽADISKA PÔVODNOSTI DREVINOVÉHO ZLOŽENIA A EKOLOGICKEJ STABILITY NA PRÍKLADE ŠTYROCH LESNÝCH HOSPODÁRSKYCH CELKOV V CHKO ŠTIAVNICKÉ VRCHY

Vladimír KUNCA

Katedra aplikovanej ekológie, Fakulta ekológie a environmentalistiky TU vo Zvolene so sídlom v Banskej Štiavnici,
T. G. Masaryka 24, 960 53 Zvolen, e-mail: kunca@fee.tuzvo.sk

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ABSTRACT

Kunca V. Present state of the forest ecosystems from point of view of tree composition originality and ecological stability on an example of four management units in the Protected landscape area Štiavnické vrchy Mts

In the paper we judged the influence of the historical exploitation on present state of forest ecosystems in four forest management units of Štiavnické vrchy Mts. We have compared original and present tree vegetation composition by approximation approach. We have found significant differences and these forests can be classified as middle stable with approximation values ranging from 44 % to 55 %. Further we have compiled and evaluated total ecological stability values determined by forest management survey at the level of base forest management units. At least 90 % of forest ecosystems we categorize as slightly disturbed and middle stable. Allochthonous and introduced tree species take 5,59 % of searched area and the most occurring is Black Locust, Austrian pine and Norway spruce.

Key words: Štiavnické vrchy Mts, forest ecosystems, ecological stability, original tree vegetation