Running Head; Southern Appalachian Mountains...

Southern Appalachian Mountains as 'Sky Islands'

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Abstract

This study was conducted to determine weather high elevation Southern

Appalachian Mountains can be considered 'sky islands.' Data were compiled by
analyzing the literature of other studies performed. Most of these studies used plot
sampling of plants to gather data. The first study analyzed rare plant species on
isolated Southern Appalachian mountaintops. It's results showed many rare species
only live on certain isolated mountains, supporting the Southern Appalachian 'sky
island' hypothesis. The second study consisted of a species richness analysis. The
data gathered from this study also supported the hypothesis. The third set of data
analyzed compared the environments of isolated mountain ranges with a northern
mountain range. This data also supported the 'sky island' theory. It was then
concluded that some isolated Southern Appalachian mountains function as 'sky islands.'