Shifts/Trends in Kentucky and Tennessee

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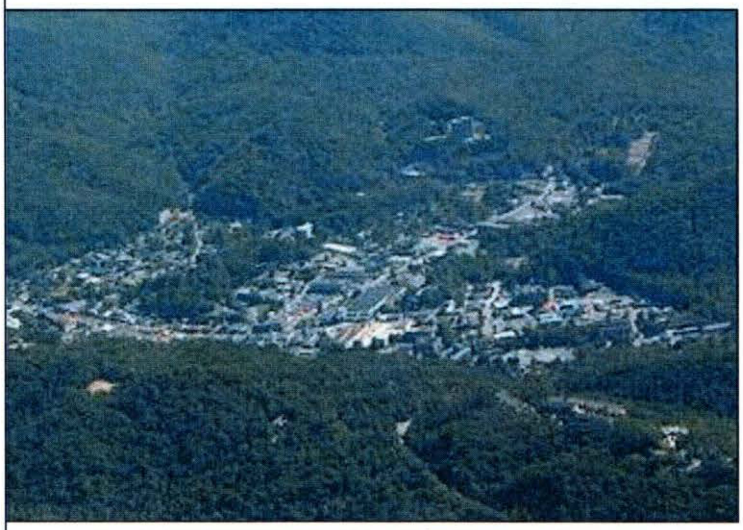
Abstract: Geospatial data and products are required to quantify resource issues and conditions across a range of geopolitical scales. These data and products include traditional Forest Inventory and Analysis field observations and data summaries, land change data collected via air photo interpretation, and 30 meter and 250 meter raster datasets of forest attributes such as carbon and percent tree canopy cover. This presentation will focus on these products and their relevance to issues such as land change, fragmentation, and invasive species.



How do land managers address fragmented forests?
Photo by Larry Korhnak ivk@isfas.edu

SRS research is helping managers restore American chestnut.

Forest Health Initiative, A Model for Rapid Response to Emerging Pests

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Abstract: Forests ecosystems are under increasing pressures from various forces including invasive pathogens and pests. Responding to these pressures in relevant time frames is necessary to maintain forest health and the associated ecosystems services. The Forest Health Initiative (FHI) was developed to test the speed of innovation in addressing a significant, yet well-understood forest health problem—chestnut blight epidemic. This has proven largely successful from a technological perspective, but the jury is still out on bringing the technology to fruition at the appropriate scale for ecosystem restoration. This talk will briefly review the FHI, its status on chestnut research, and the potential for application in new problems such as thousand cankers disease of black walnut.