

Clover Lick Special Area

Hoosier National Forest

Eco Logic, LLC

Project Profile

Invasive Plant Management

Perry County, IN – 1,658 acres



Autumn olive foliar application with handgun

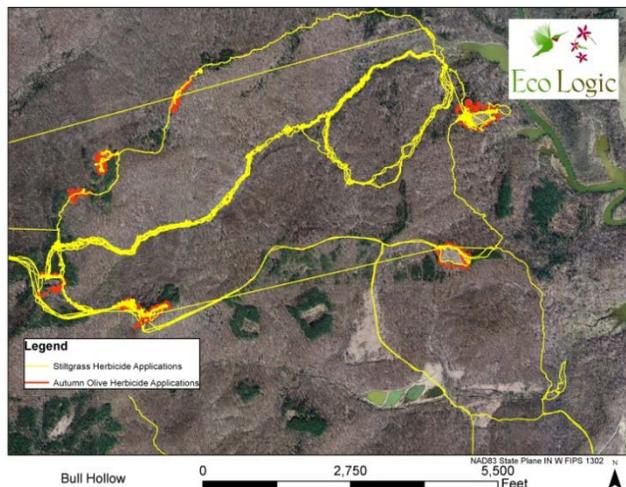
"The special ecology of the barrens community in the Clover Lick watershed was first noted during the natural areas inventory of Indiana in 1987. Noteworthy areas of prairie grasses and forbs were found under the open canopy of post oak and blackjack oak in this area of predominantly white and black oak. Closer inspection of the sites yielded several prairie species considered rare in the state. Because of the significance of the barrens and its rare plants, Clover Lick Barrens was established as a special area in the 1991 Hoosier National Forest Plan." (USDA forest service 8/2011) This once predominant, now threatened area includes habitat for the endangered swamp metalmark butterfly.

Eco Logic has been awarded a multiple year contract at Clover Lick, which focuses on the eradication of Non-Native Invasive Species (NNIS) across a total of 120 acres. We have helped to eradicate Japanese Stilt Grass from trails, streams, and moist woodland areas.

These multiple year treatments use a very low level of grass specific herbicide, coupled with precise spot treatments. This application allows us to remove the non-native annual grass, while preserving our native, perennial woodland grasses and sedges.

Trailside treatments of Multiflora Rose, Japanese Honeysuckle, Queen Anne's Lace, Crown Vetch and Sweet Clover are also treated with selective herbicides, such as Transline, which only affects plants in the Legume and Composite families. Forestry mowing along with foliar applications have been used to eliminate infestations of Autumn Olive from approximately 45 acres.

For long term management, the HNF staff has implemented prescribed burning in these areas to maintain a healthy barrens structure. All non-native invasive species (NNIS) applications are tracked by GPS and recorded in our GIS database to aid in future management planning and post-project assessment. Our trained botanists are also utilizing GPS technology for early detection of new invaders like Chinese Yam.



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