

Brock Sampson Nature Preserve

Indiana Department of Natural Resources - Division of Nature Preserves

Eco Logic, LLC

Project Profile
Invasive Plant
Management

Prairie Installation

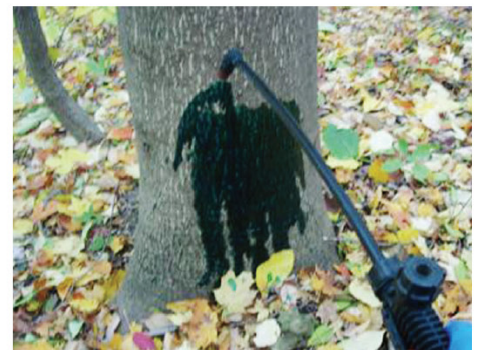
Floyd County, 453 acres

Brock Sampson Nature Preserve is located in the Knobstone natural region of southern Indiana. This preserve is typical of the rugged terrain of the "Knobs" and contains steep slopes and deep ravines. The ridges of the south and west facing slopes are very dry habitats dominated by Chestnut Oak (*Quercus prinus*). Several dry slopes with outcrops of siltstone bedrock create openings called glades and have been observed in this region.

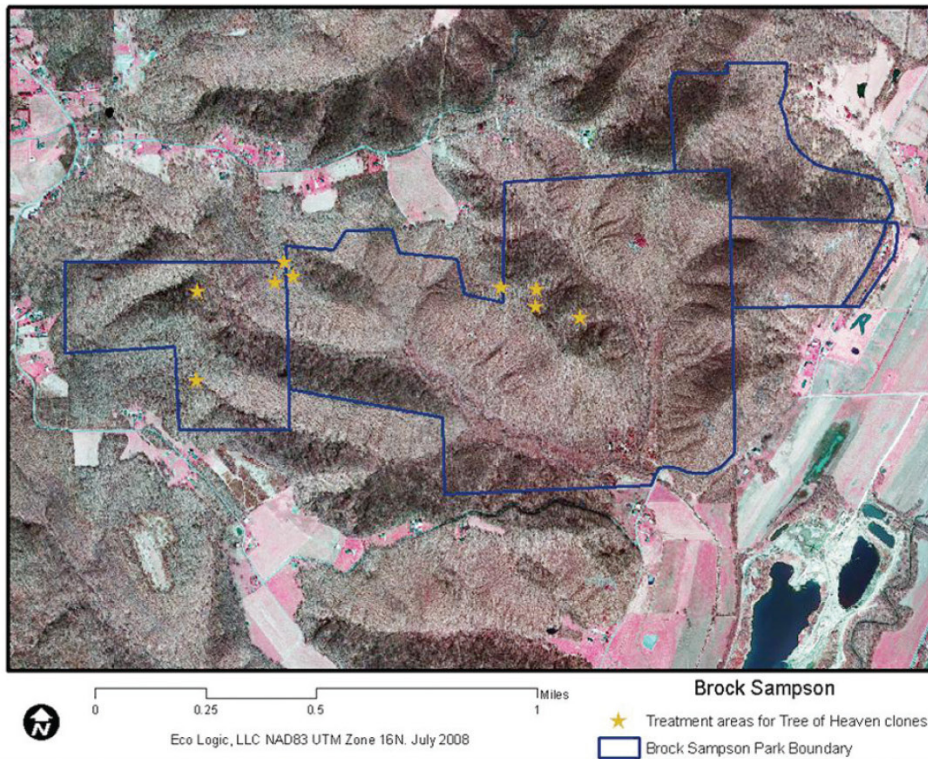
Tree of Heaven (*Ailanthus altissima*) had invaded high quality mesic and upland forest communities at Brock Sampson Nature Preserve. There were many large colonies of 40-50 trees 2-3 feet in diameter. Eco Logic performed a basal bark application with an oil based herbicide during the late fall of 2007. One of the biggest challenges of the project was to locate, treat and re-visit the various clones and individual trees. Eco Logic relied heavily on GPS units and GIS mapping to streamline the applicators time in the field. A follow up treatment on the project was performed in the spring of 2008 to exterminate any Tree of Heaven that were not completely eradicated during the first phase of the project.



Steep topography of Brock Sampson



Initial basal bark treatment of Tree of Heaven



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