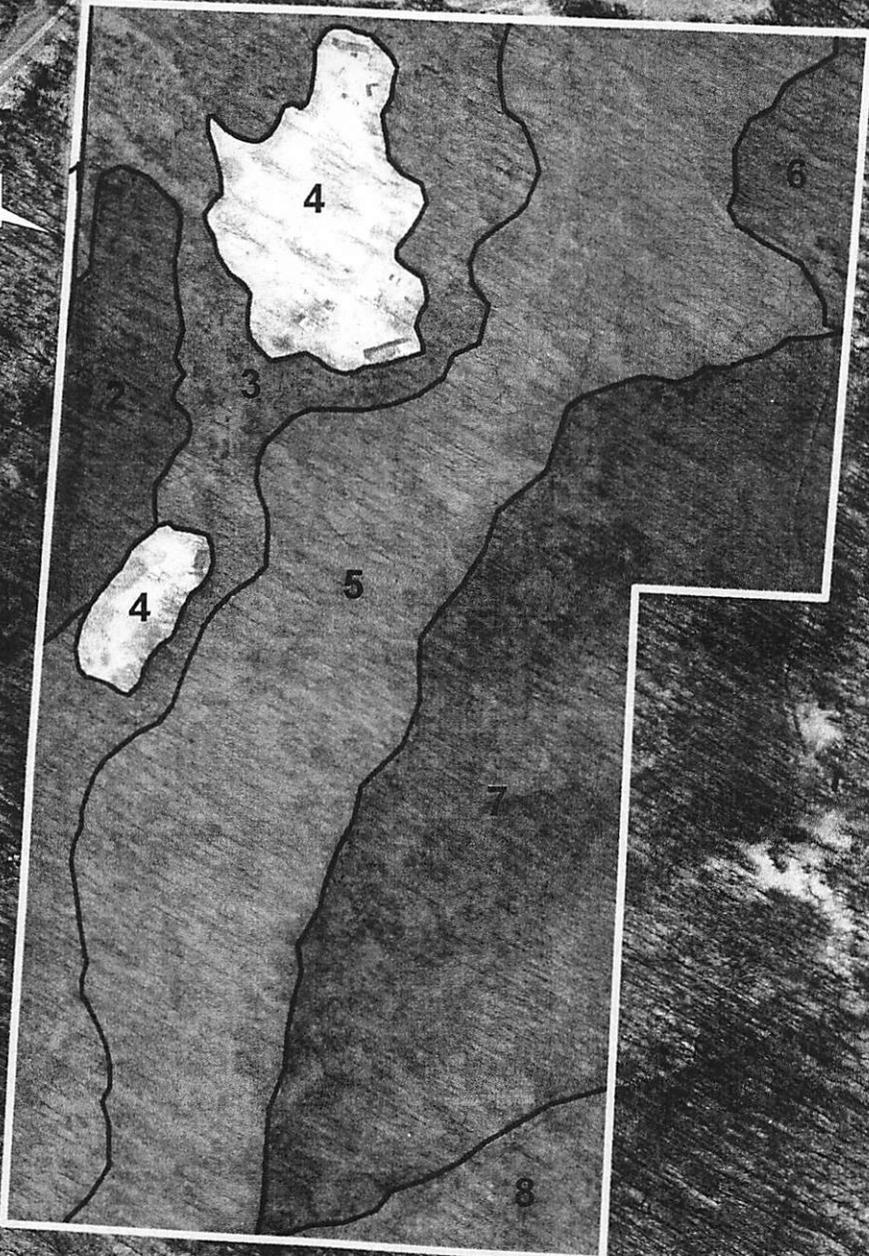


14560 McDaniel LLC
Sec 15 FRA 36
Ames Twp., Athens Co., OH
41.37 Acres

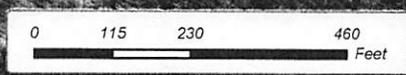


McDaniel Road



Legend
14560 McDaniel LLC_Property Lines

Id
1
2
3
4
5
6
7
8



Woodland Stand Description and Management Recommendations

Stand # 5 - 14.2 acres

Dominant Species: Sugar Maple, Red Maple, Am. Beech, Am. Elm, Hickory spp., Yellow Poplar, Yellow Buckeye, Black Walnut, Ash(dead), Sycamore, with some White Oak, Red Oak, Black Oak, Chestnut Oak, Scarlet Oak & mixed Hickory spp. in upper slope regions

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber with scattered larger diameter trees

Stocking Level: Fully stocked, most areas with desirable species

Stand History: Harvesting - "Select cut" in 1996-97

Topography: Draws/Ravines and side slope areas

Invasive plants or insects impacting this stand: Autumn Olive, Bush Honeysuckle, Ailanthus, Multi Flora Rose, Garlic Mustard, grapevines

Stand Description: This area forms the headwaters of a stream channel and associated side ravines of an intermittent stream that passes through the center of this farm. As with all the wooded areas, this area had been pastured in the historical past. This area was also harvested in 1996-97. Overall, this area is now closed canopy with a fairly open understory. The valleys are populated with only shade tolerant seedlings in the understory. Area is growing some quality Sugar Maple and Poplar trees. This Stand was separated out in this Plan due to the importance of protecting the stream side management zone (SMZ). All activities in this area need to be completed in a manner that will minimize the impact on the stream. Several quality Black Walnut trees can be found throughout this area, mixed in with the maples, box elder and poplars. The upper slope areas are populated with sassafras, red maples and mixed oak species and some hickory trees. Leatherwood trees in the understory.

Past management activities completed in this stand: property lines located and painted. Garlic mustard actively being treated. Some grapevines have been cut.

Management Recommendations:

Continue to cut grapevines from all potential future "crop" trees and treat the scattered

Repaint the property lines every 5 years or when necessary to remain visible

Continue to work on the eradication of identified non-native invasive plants that have been identified throughout this area.

Is a timber harvest recommended? No Not necessary in this 10-year period

Comments: This area is a complex mixture of numerous small patches that will be managed as one diverse stand. The entire area is fairly well stocked and should develop into a quality stand.

A Streamside Management Zone (SMZ) is a forested strip or area next to a creek or stream that is managed with specific attention to instream and downstream water protection. SMZ's should be maintained around both intermittent and perennial streams, lakes, ponds, naturally flowing springs, and reservoirs. Forest management activities within an SMZ should leave the forest floor essentially undisturbed with minimum soil exposure. Trails should not be constructed within an SMZ, except at designated crossings. Roads should cross the stream at a right angle. Drainage structures such as wing ditches, water bars, and cross drain culverts should vent their runoff before they enter the SMZ. Functioning as buffer strips, SMZ's are very effective in filtering sediment (soil particles) from surface runoff. The water in the runoff can and should reach the stream, but the vegetation in the SMZ filters sediment and other suspended solids resulting from the forest management activity. The trees immediately adjacent to the water provide woody debris to benefit aquatic organisms. The trees also provide shade to the stream, preventing any unnatural changes in water temperature. Direct sunlight can drastically raise water temperatures, which may lower the oxygen content of the water and make it difficult for fish and other aquatic organisms to live.

Desired Future Conditions: Forested riparian buffer area

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged