

Woodland Stewardship Management Plan

Owner's Information:

Owner: Brooks Purdy, Trustee of the Brooks Purdy Property Trust

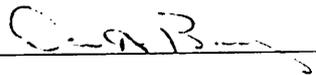
Signed: _____

Date: March ____, 2012

Case Number: _____

Preparer's Information:

Prepared by: Dean A. Berry

Signature: 

Woodland Management Services
c/o Dean A. Berry, Consulting Forester

13 Sunset Lane

The Plains, Ohio 45780

Date: March 31, 2012

740-797-4647 home
740-541-4647 mobile
sberry3@columbus.rr.com

This plan is valid for the period beginning April 1, 2012 and ending March 31, 2022

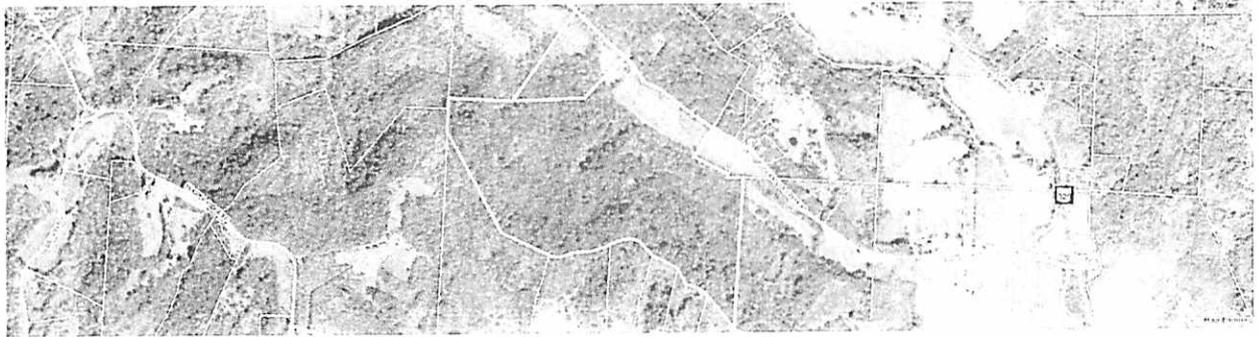
Plan Status: New

General Woodland Description

Athens County is located in the unglaciated hill country of southeastern Ohio. Slope and erosion hazard is the major land use limitations. Seasonal wetness, droughtiness, flood hazard, and the moderately slow to very slow permeability of some soils also limit land use.

Athens County is in the central hardwood forest region. Major forest types include Appalachian hardwoods, bottomland hardwoods, oak-hickory, successional, Virginia pine, and white pine plantations. Most of the woodland in Athens County is in areas of steep and very steep terrain. This terrain is well suited to trees. Pulp and lumber are important forest products in Athens County.

The Purdy family acquired a 220 acre farm in 2010 and split it. In 2011 the property was placed into two different trusts. The 2 Tax Parcels located on the South –West side of E Kasler Creek Rd. is owned by Brooks Purdy and in a trust.



[Print](#) | [Back](#)

Athens County GIS



Notes

Brooks Purdy Trust Parcels

Data For Parcel C010010020202

Base Data

Mailing Address

Geographic

No data found for this parcel.

Legal

No data found for this parcel.

Valuation

No data found for this parcel.

Tax Credits

Notes

Notes:

*GIS parcel shapefile last updated 1/13/2012 3:49:20 PM.
CAMA database last updated 1/15/2012 9:37:25 PM.*

Base Data

Parcel: C010010020200
Owner: PURDY BROOKS TRUSTEE
Address: 15383 E KASLER CREEK RD

**Mailing Address**

Mailing Name: PURDY BROOKS TRUSTEE
Address: 15383 E KASLER CREEK RD
City State Zip: AMESVILLE OH 45711

Geographic

City: UNINCORPORATED
Township: AMES TOWNSHIP
School District: FEDERAL HOCKING SCHOOL DISTRICT

Legal

Neighborhood: 00003000
Legal Description: SEC 17 220.000A
Map Number: 0-0-0-0

Legal Acres: 220
Land Use: (101) A - CASH GRAIN OR GENERAL FARM
Property Class: AGRICULTURAL
Range Township Section: 0-0-0

Valuation

	Appraised	Assessed (35%)
Land Value:	\$217,400.00	\$76,090.00
Building Value:	\$396,590.00	\$138,810.00
Total Value:	\$613,990.00	\$214,900.00
CAUV Value:		\$76,400.00
Taxable Value:		\$165,550.00

Tax Credits

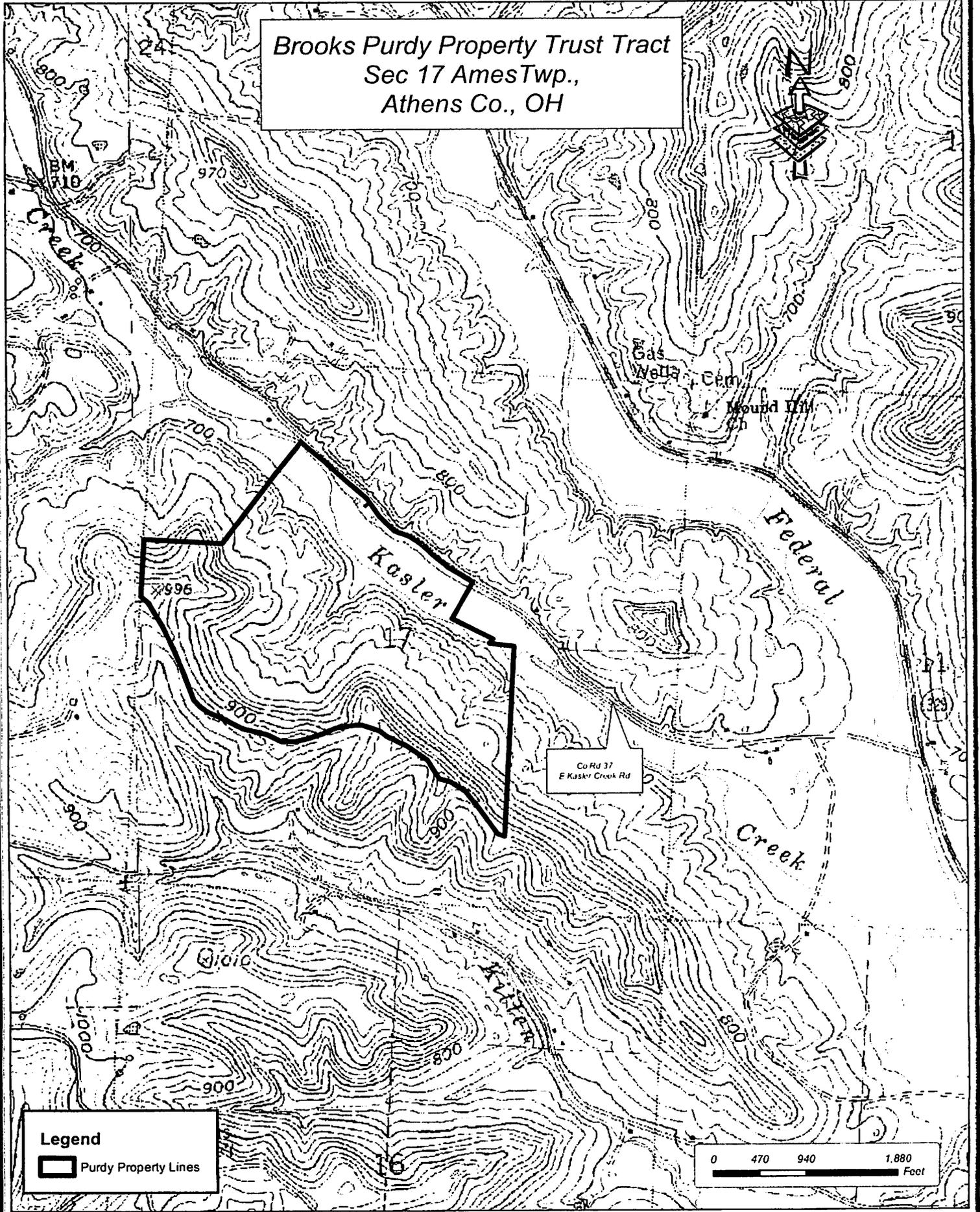
2.5% Homesite Rollback: NO
Homestead Reduction: NO

Notes

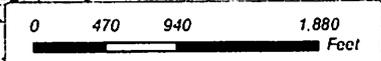
Notes:

*GIS parcel shapefile last updated 1/13/2012 3:49:20 PM.
 CAMA database last updated 1/15/2012 9:37:25 PM.*

Brooks Purdy Property Trust Tract
Sec 17 Ames Twp.,
Athens Co., OH



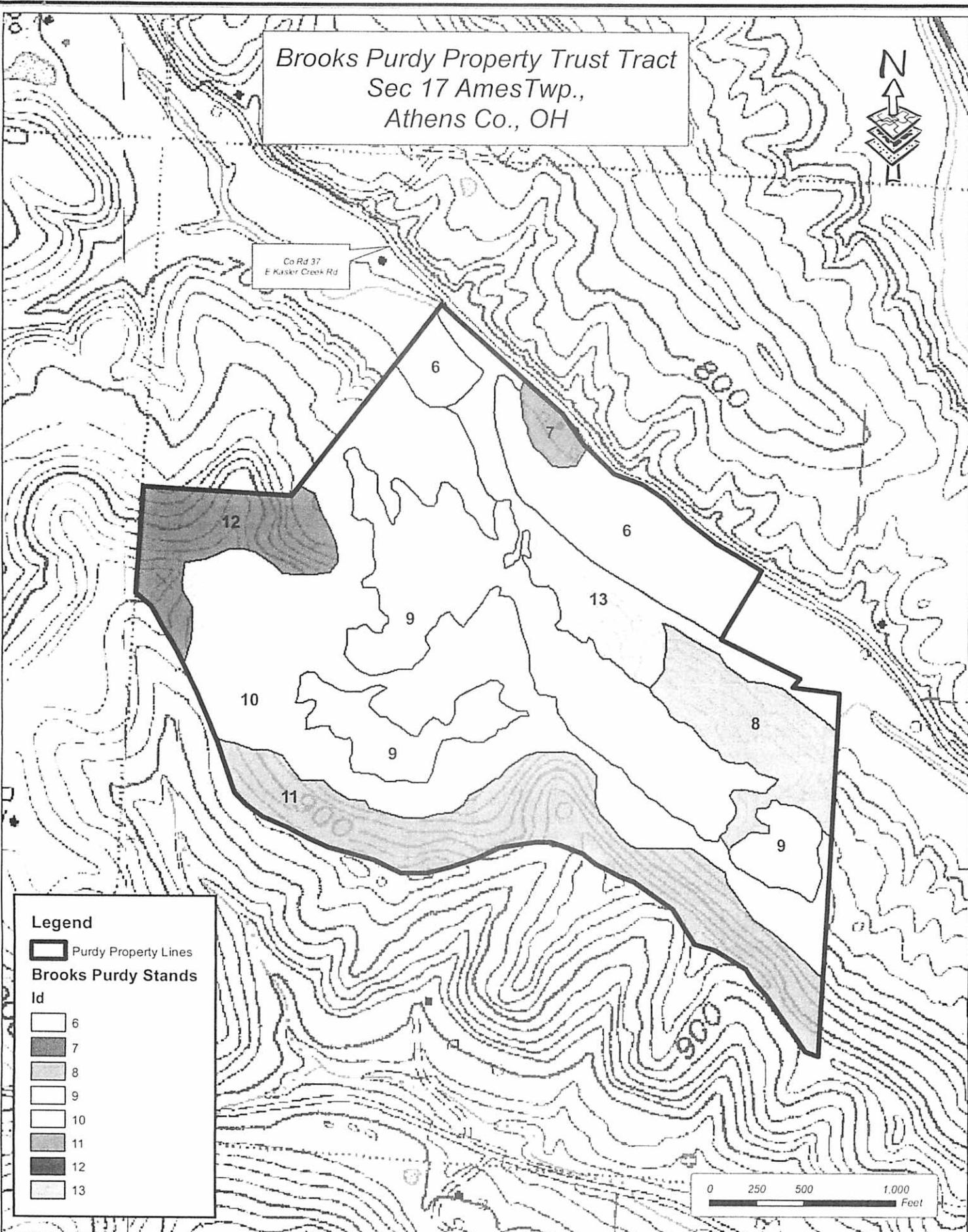
Legend
[Thick black line symbol] Purdy Property Lines



Brooks Purdy Property Trust Tract
Sec 17 Ames Twp.,
Athens Co., OH



Co Rd 37
E Kasker Creek Rd



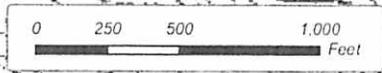
Legend

Purdy Property Lines

Brooks Purdy Stands

Id

	6
	7
	8
	9
	10
	11
	12
	13



Woodland Stand Description and Management Recommendations

Stand # ~~6~~-17.5 Acres

Dominant Species: grasses / fruit trees

Forest Type or Dominant Vegetation: Non-Forested area

Stand Diameter or Size Class:

Stand History: Agricultural Field

Topography: Nearly level

Invasive plants or insects impacting this stand: Autumn Olive growing in un-mowed areas

Present conditions for you to consider: This area is being developed into a multi-dimension food plot area, with grasses, broadleaf species and fruit trees being established in this area. Other areas are being rotationally mowed for the benefit of a variety of game and non-game species of wildlife.

Management Recommendations:	Management Tasks/Year	
	Required?	Year
Mark property lines with paint	<input checked="" type="checkbox"/>	2012-2016
Work on eradicating invasives	<input checked="" type="checkbox"/>	2012-2022
Plant a variety of trees/shrubs	<input type="checkbox"/>	2012-2022

If a timber harvest is recommended, silvicultural method to be used: None

Comments. Mowing will keep these areas from being overrun with Autumn Olive and Multi Flora. Consider planting desirable species of trees in any areas not being utilized for agricultural or wildlife food plots.



Woodland Stand Description and Management Recommendations

Stand # 17- 2.0 Acres Total

Dominant Species: Non-Forested

Forest Type or Dominant Vegetation: grasses

Stand Diameter or Size Class:

Stand History: Unknown

Topography: Gently sloping

Invasive plants or insects impacting this stand: Autumn Olive on roadside bank

Present conditions for you to consider: Residential Site, outbuildings, driveway and yard



Woodland Stand Description and Management Recommendations

Stand # 8 - 12.0 Acres

Dominant Species: Red Maple, Sugar Maple, Beech, Tuliptree, Ash, Am. Elm, Oaks

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Small sawtimber

Stocking Level: Fully stocked **and/or Basal Area :** (ft²/acre)

Stand History: Unknown

Topography: Gently sloping

Invasive plants or insects impacting this stand:

Present conditions for you to consider: Grapevines (light) scattered throughout this stand. Large diameter. Poplar & Ash could be removed. Scattered Walnut trees on lower slope.

Management Recommendations:	Management Tasks/Year	
	Required?	Year
Mark property lines with paint	<input checked="" type="checkbox"/>	2012-2015
annual inspections for invasive species	<input type="checkbox"/>	2012 -2022
maintain trails & roads	<input checked="" type="checkbox"/>	2012-2022

If a timber harvest is recommended, silvicultural method to be used:

Comments: Size & stocking varies on location on slope. Larger low value trees provide little commercial value but great for hard mass production, den & cavity trees for wildlife.



Large "Wolf Tree" White Oak that has little commercial value but high mass production



Woodland Stand Description and Management Recommendations

Stand # ~~19~~ - 39.0 Acres

Dominant Species: White Pine

Forest Type or Dominant Vegetation: Softwood Plantation

Stand Diameter or Size Class: Small sawtimber

Stocking Level: Under stocked and/or Basal Area : 60-80 (ft²/acre)

Stand History: Harvesting - Selection (silvicultural) Mechanical Thinning in 2006-08 ?

Topography: Gently sloping

Invasive plants or insects impacting this stand: Autumn Olive and Multi Flora Rose

Present conditions for you to consider: One large and two small patches of White Pine trees, planted 30 – 35 years ago, and thinned 4-5 years ago. Overall, Stands are understocked because of post harvest mortality. Autumn Olive and Multi Flora Rose in the understory. If stands continue to have mortality and wind throw, a harvest to remove the remaining pine should be considered. Ave Dia - 4"-16"DBH

Management Recommendations:	Management Tasks/Year	
	Required?	Year
eradication of invasive species	<input type="checkbox"/>	2012 -2022
Possible harvest of remaining pine	<input type="checkbox"/>	2014 - 2022

If a timber harvest is recommended, silvicultural method to be used: Clearcut

Comments: Portions of the Pine stand that are fairly well stocked and should be OK
The other understocked areas that are filling in with Autumn Olive and undesirable species.



Pines along access road –good stocking remaining in this patch



Dead trees and gaps in stands with no conifers –heavy underbrush developing

Woodland Stand Description and Management Recommendations

Stand # ~~510~~- 47.33 Acres

Dominant Species: W. Ash, Tulip Tree, Elm, Buckeye, Red Maple

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber

Stocking Level: Fully stocked **and/or Basal Area :** (ft²/acre)

Stand History: Old-Field Reversion

Topography: Rolling

Invasive plants or insects impacting this stand: Autumn Olive and Multi Flora Rose

Present conditions for you to consider: Stand is converting from early succession species to intermediate species composition. There are areas of heavy Multiflora Rose, and Autumn Olive infestation. Grapevines are present in the entire area and should be cut from crop trees. (Med-heavy infestation -25 acres, cumulative spots)

Management Recommendations:	Management Tasks/Year	
	Required?	Year
Continue marking property lines with paint	<input checked="" type="checkbox"/>	2012-2016
eradication of invasive species	<input checked="" type="checkbox"/>	2012 -2022
TSI - grapevine removal	<input checked="" type="checkbox"/>	2012 - 2022
maintain trails & roads	<input checked="" type="checkbox"/>	2012-2022

If a timber harvest is recommended, silvicultural method to be used:

Comments: This is an old pasture reversion area surrounding the areas that were planted to White Pine. Scattered large wolf trees present. Stocking varies in this area. Thick briar patches. Good wildlife area.





Painted property line on southwestern boundary

Woodland Stand Description and Management Recommendations

Stand # ~~011~~ 25.0 Acres Total

Dominant Species: Tulip Tree, Cherry, Maples, Oak species, Beech

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Medium/Large sawtimber

Stocking Level: Fully stocked

Stand History: Unknown

Topography: Rolling

Invasive plants or insects impacting this stand: Autumn Olive and Ailanthus

Present conditions for you to consider: Grapevines found within the stand should be treated before any harvest is planned. Steep rocky terrain limits access. Larger Beech & Oak trees present, some with previous fire damage. Several small patches of Ailanthus were located in this area and should be eradicated.

Management Recommendations:	Management Tasks/Year	
	Required?	Year
Continue to mark property lines with paint	<input checked="" type="checkbox"/>	2012-2016
Eradicate Ailanthus 3 located Patches -1 ac total	<input checked="" type="checkbox"/>	2012 -2015
cut grapevines -15 ac	<input type="checkbox"/>	2013-2016
possible selection harvest	<input type="checkbox"/>	2016-2022

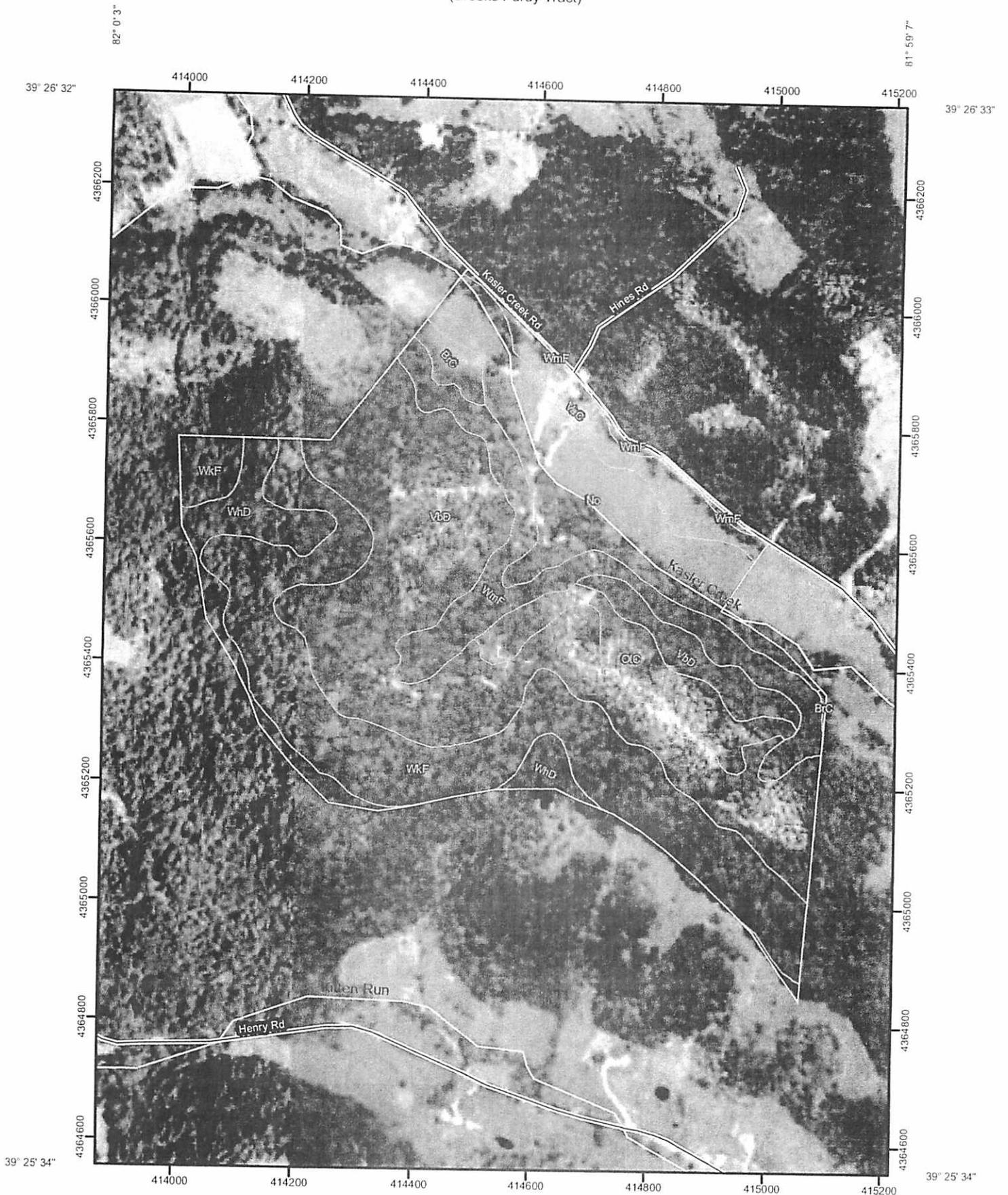
If a timber harvest is recommended, silvicultural method to be used: Single Tree Selection

Comments: Steep slope and flat bench – not harvested when the rest of the farm was cut. This area has the only timber value on the entire farm. Ailanthus needs eradicated asap.



Ailanthus Trees found in stand

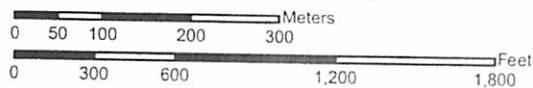
Soil Map—Athens County, Ohio
(Brooks Purdy Tract)



82° 0' 2"



Map Scale: 18,610 if printed on A size (8 5/8" x 11") sheet



81° 59' 6"

Soil Map—Athens County, Ohio
(Brooks Purdy Tract)

MAP LEGEND

Area of Interest (AOI)		Very Stony Spot
Area of Interest (AOI)		Wet Spot
Soils		Other
Soil Map Units	Special Line Features	
Special Point Features		Gully
		Short Steep Slope
		Other
	Political Features	
		Cities
	Water Features	
	Streams and Canals	
	Transportation	
		Rails
		Interstate Highways
		US Routes
	Major Roads	
		Local Roads
		
		
		
		
		
		
		
		
		

MAP INFORMATION

Map Scale: 1:8,610 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Athens County, Ohio
Survey Area Data: Version 13, Feb 9, 2010

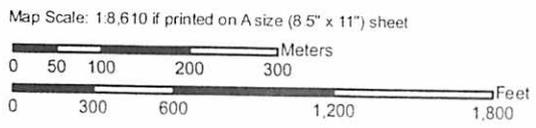
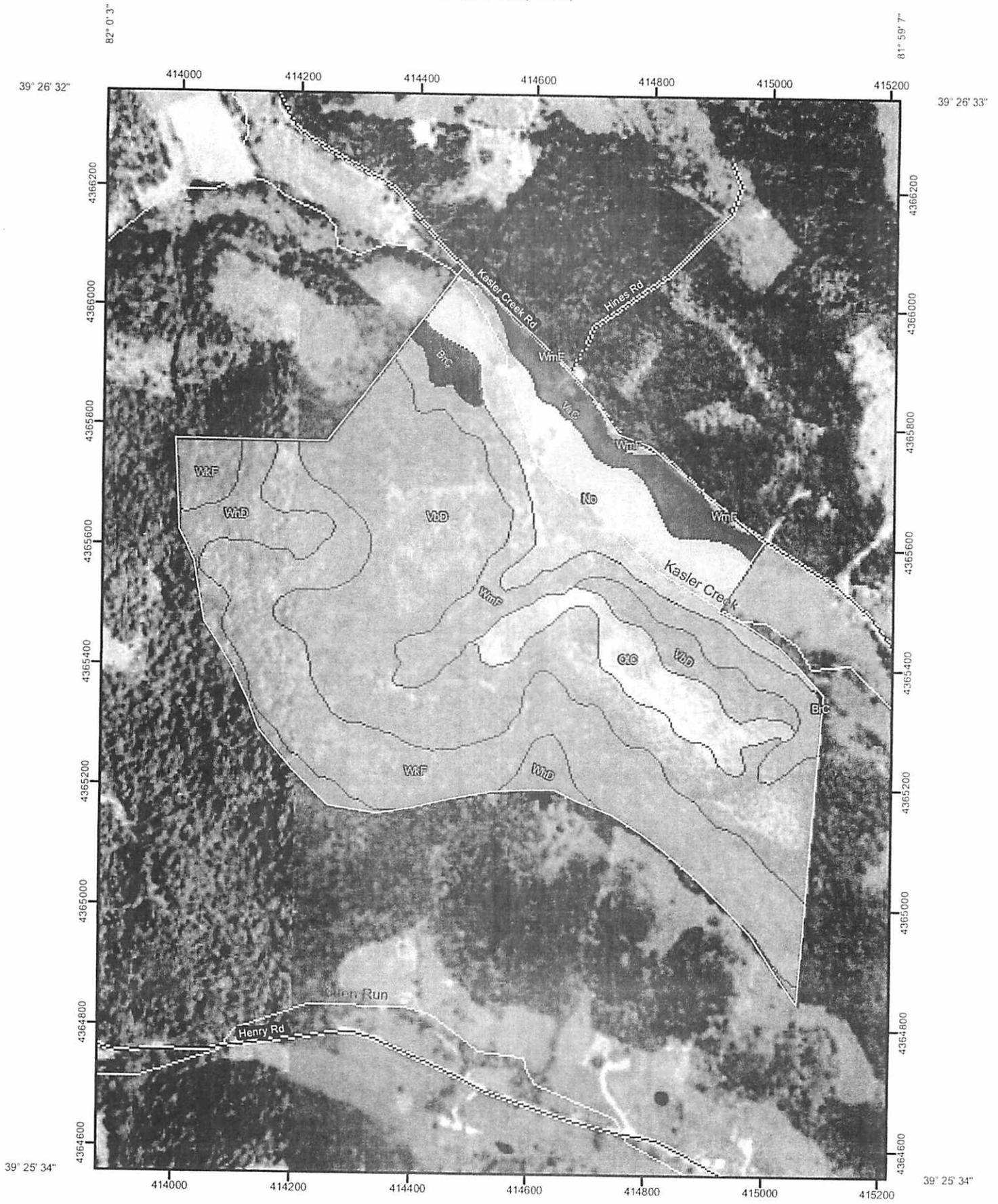
Date(s) aerial images were photographed: 9/11/2004; 6/24/2004

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Athens County, Ohio (OH009)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BrC	Brookside silt loam, 8 to 15 percent slopes	2.1	1.3%
No	Nolin silt loam, frequently flooded	22.4	13.3%
OtC	Omulga silt loam, 8 to 15 percent slopes	9.8	5.8%
VaC	Vandalia silty clay loam, 8 to 15 percent slopes	7.3	4.3%
VbD	Vandalia-Brookside complex, 15 to 25 percent slopes	56.4	33.5%
WhD	Westmoreland-Guernsey silt loams, 15 to 25 percent slopes	10.6	6.3%
WkF	Westmoreland-Guernsey silt loams, benched, 40 to 70 percent slopes	42.3	25.1%
WmF	Westmoreland-Upshur complex, 40 to 70 percent slopes	17.4	10.3%
Totals for Area of Interest		168.4	100.0%

Forest Productivity (Tree Site Index): northern red oak (Schnur 1937 (820))—Athens County, Ohio
(Brooks Purdy Tract)



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Soil Ratings

- <= 73
- > 73 AND <= 77
- > 77 AND <= 80
- > 80 AND <= 81
- > 81 AND <= 86

Not rated or not available

Political Features

- Cities

Water Features

Streams and Canals

Transportation

- +++ Rails
-  Interstate Highways
-  US Routes
- Major Roads
-  Local Roads

MAP INFORMATION

Map Scale: 1:8,610 if printed on A size (8.5" x 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:15,840.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Athens County, Ohio
Survey Area Data: Version 13, Feb 9, 2010

Date(s) aerial images were photographed: 9/11/2004; 6/24/2004

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Forest Productivity (Tree Site Index): northern red oak (Schnur 1937 (820))

Forest Productivity (Tree Site Index): northern red oak (Schnur 1937 (820))— Summary by Map Unit — Athens County, Ohio (OH009)				
Map unit symbol	Map unit name	Rating (feet)	Acres in AOI	Percent of AOI
BrC	Brookside silt loam, 8 to 15 percent slopes	86	2.1	1.3%
No	Nolin silt loam, frequently flooded		22.4	13.3%
OtC	Omurga silt loam, 8 to 15 percent slopes	80	9.8	5.8%
VaC	Vandalia silty clay loam, 8 to 15 percent slopes	73	7.3	4.3%
VbD	Vandalia-Brookside complex, 15 to 25 percent slopes	77	56.4	33.5%
WhD	Westmoreland-Guernsey silt loams, 15 to 25 percent slopes	81	10.6	6.3%
WkF	Westmoreland-Guernsey silt loams, benched, 40 to 70 percent slopes	81	42.3	25.1%
WmF	Westmoreland-Upshur complex, 40 to 70 percent slopes	81	17.4	10.3%
Totals for Area of Interest			168.4	100.0%

Description

The "site index" is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this attribute, only the representative value is used.

Rating Options

Units of Measure: feet

Tree: northern red oak

Site Index Base: Schnur 1937 (820)

Aggregation Method: Dominant Component

Component Percent Cutoff: None Specified

Tie-break Rule: Higher

Interpret Nulls as Zero: No

Forestland Productivity

This table can help forestland owners or managers plan the use of soils for wood crops. It shows the potential productivity of the soils for wood crops.

Potential productivity of merchantable or *common trees* on a soil is expressed as a site index and as a volume number. The *site index* is the average height, in feet, that dominant and codominant trees of a given species attain in a specified number of years. The site index applies to fully stocked, even-aged, unmanaged stands. Commonly grown trees are those that forestland managers generally favor in intermediate or improvement cuttings. They are selected on the basis of growth rate, quality, value, and marketability. More detailed information regarding site index is available in the "National Forestry Manual," which is available in local offices of the Natural Resources Conservation Service or on the Internet.

The *volume of wood fiber*, a number, is the yield likely to be produced by the most important tree species. This number, expressed as cubic feet per acre per year and calculated at the age of culmination of the mean annual increment (CMAI), indicates the amount of fiber produced in a fully stocked, even-aged, unmanaged stand.

Trees to manage are those that are preferred for planting, seeding, or natural regeneration and those that remain in the stand after thinning or partial harvest.

Reference:

United States Department of Agriculture, Natural Resources Conservation Service, National forestry manual.

Report—Forestland Productivity

Forestland Productivity—Athens County, Ohio				
Map unit symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site Index	Volume of wood fiber	
			<i>Cu ft/ac</i>	
BrC—Brookside silt loam, 8 to 15 percent slopes Brookside	Black cherry	—	—	Black walnut, Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak
	Black walnut	—	—	
	Northern red oak	86	72	
	Sugar maple	—	—	
	Tuliptree	96	100	
	White ash	—	—	
	White oak	—	—	
No—Nolin silt loam, frequently flooded Nolin	Tuliptree	96	—	Black walnut, Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak

Forestland Productivity— Athens County, Ohio				
Map unit symbol and soil name	Potential productivity			Trees to manage
	Common trees	Site Index	Volume of wood fiber	
			<i>Cu ft/ac</i>	
OtC—Omulga silt loam, 8 to 15 percent slopes				
Omulga	Black cherry	—	—	Black walnut, Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak
	Black walnut	—	—	
	Northern red oak	80	57	
	Sugar maple	—	—	
	Tuliptree	—	—	
	White ash	—	—	
	White oak	—	—	
VaC—Vandalia silty clay loam, 8 to 15 percent slopes				
Vandalia	Northern red oak	73	57	Austrian pine, Eastern white pine, Tuliptree, Virginia pine
	Tuliptree	75	57	
	Virginia pine	70	114	
VbD—Vandalia-Brookside complex, 15 to 25 percent slopes				
Vandalia	Northern red oak	77	57	Austrian pine, Eastern white pine, Tuliptree, Virginia pine
	Tuliptree	90	86	
	Virginia pine	80	114	
Brookside	Black cherry	—	—	Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak
	Black walnut	—	—	
	Northern red oak	86	72	
	Sugar maple	—	—	
	Tuliptree	96	100	
	White ash	—	—	
	White oak	—	—	

Forestland Productivity— Athens County, Ohio							
Map unit symbol and soil name	Potential productivity			Trees to manage			
	Common trees	Site Index	Volume of wood fiber				
			<i>Cu ft/ac</i>				
WhD—Westmoreland-Guernsey silt loams, 15 to 25 percent slopes	Westmoreland	Eastern white pine	75	143	Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak		
		Northern red oak	81	57			
		Tuliptree	90	86			
	Guernsey	Black cherry	—	—			
		Black walnut	—	—			
		Northern red oak	78	57			
		Sugar maple	—	—			
		Tuliptree	95	100			
	WkF—Westmoreland-Guernsey silt loams, benched, 40 to 70 percent slopes	Westmoreland	Eastern white pine	75		143	Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak
			Northern red oak	81		57	
			Tuliptree	90		86	
		Guernsey	Black cherry	—		—	
			Black walnut	—		—	
Northern red oak			78	57			
Sugar maple			—	—			
Tuliptree			95	100			
WmF—Westmoreland-Upshur complex, 40 to 70 percent slopes		Westmoreland	Eastern white pine	75	143	Eastern white pine, Northern red oak, Red pine, Tuliptree, White ash, White oak	
			Northern red oak	81	57		
			Tuliptree	90	86		
		Upshur	Eastern white pine	90	172		
			Northern red oak	70	57		
	Tuliptree		90	86			
	Virginia pine		70	114			

Data Source Information

Soil Survey Area: Athens County, Ohio
Survey Area Data: Version 13, Feb 9, 2010