

Woodland Stewardship Management Plan

Owner's Information:

Case Number: _____

Owner: Charles W. Congrove

Signed: Charles W. Congrove

Date: April 20, 2018

RECEIVED

APR 20 2018

Jill Thompson
Athens County Auditor

Preparer's Information:

Prepared by: Dean A. Berry

Signature: Dean A. Berry

Woodland Management Services
c/o Dean A. Berry, Consulting Forester
10935 Rosewood Lane
Athens, Ohio 45701
TSP #10-6547

Date: March 31st, 2018
Field Inspection Date

740-541-4647 mobile
fatlabtreefarm@gmail.com

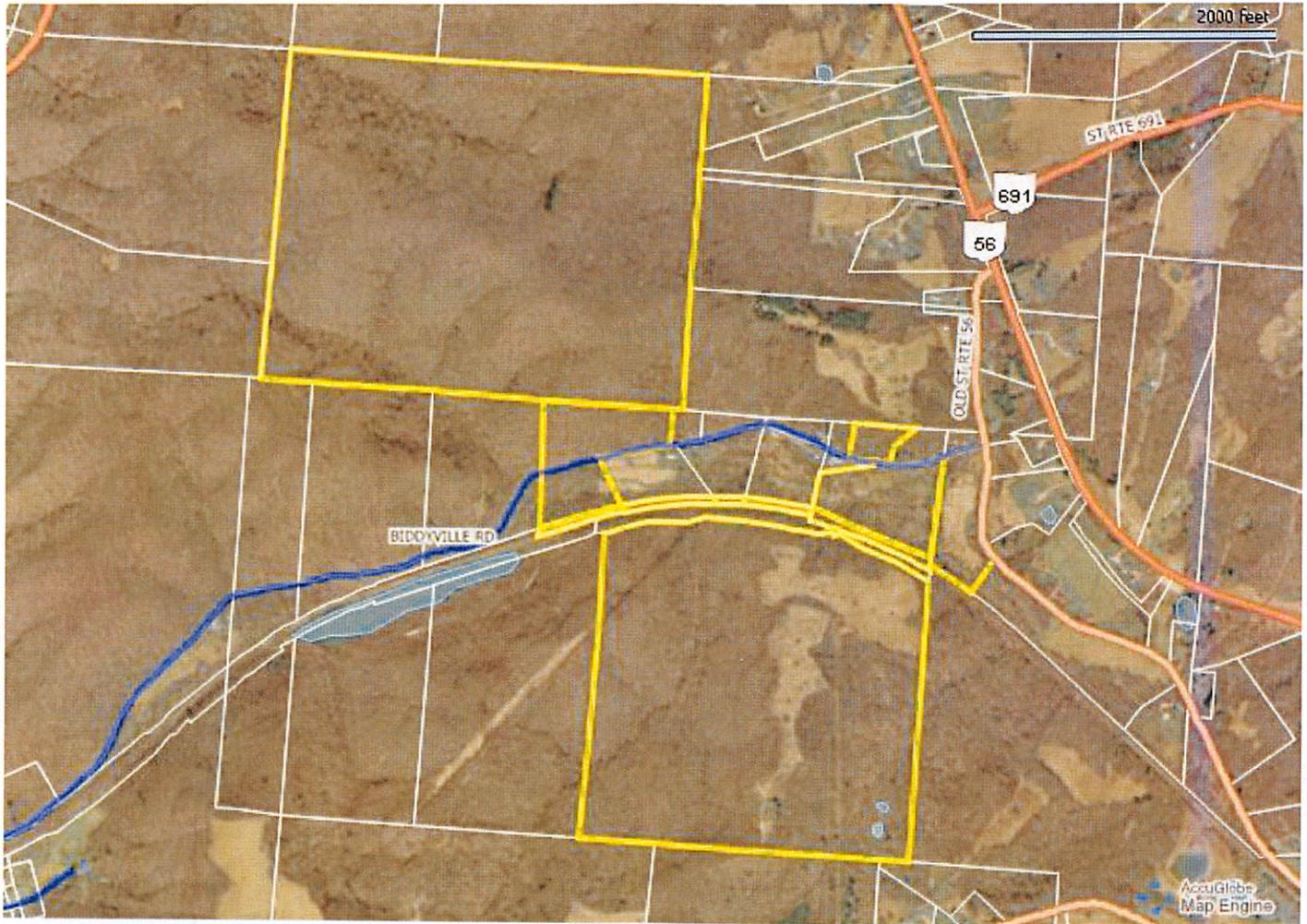
This plan is valid for the period beginning April 20th, 2018 and ending April 19th, 2028.

Plan Status: New

NRCS Representative Signature:

Date:

Athens County GIS



Notes

Charles W. Congrove Tracts

Parcel	Owner	PropertyAddress	LandUse	Acres
NO10010020200	CONGROVE CHARLES W	2498 MINERAL RD	101	114
NO10010048500	CONGROVE CHARLES W	2700 BIDDYVILLE RD	501	1.74
NO10010048901	CONGROVE CHARLES W	0 BIDDYVILLE RD	501	0.511
NO10010049100	CONGROVE CHARLES W	0 BIDDYVILLE RD	122	11.045
NO10010049102	CONGROVE CHARLES W	0 BIDDYVILLE RD	100	0.672
NO10010049201	CONGROVE CHARLES W	0 BIDDYVILLE RD	501	0.23
NO10010049301	CONGROVE CHARLES W	0 BIDDYVILLE RD	501	0.697
NO10010049400	CONGROVE CHARLES W	0 BIDDYVILLE RD	122	139.99
NO10010052100	CONGROVE CHARLES W	2885 OLD S R 56	511	5
NO10010052200	CONGROVE CHARLES W	0 BIDDYVILLE	501	9
NO10010052201	CONGROVE CHARLES W	0 OLD SR 56	501	1.27

Charles W. Congrove Tract
Waterloo Twp., Athens Co., OH



Old St Rt 56
Co Rd 6

Biddyville Rd.
Twp Rd 23

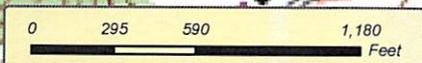
Mud

Lick

BM
727

BM
756

Legend
[Thick black line symbol] Congrove_Property_Lines



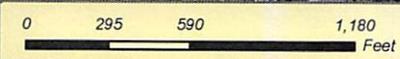
Charles W. Congrove Tract
Waterloo Twp., Athens Co., OH



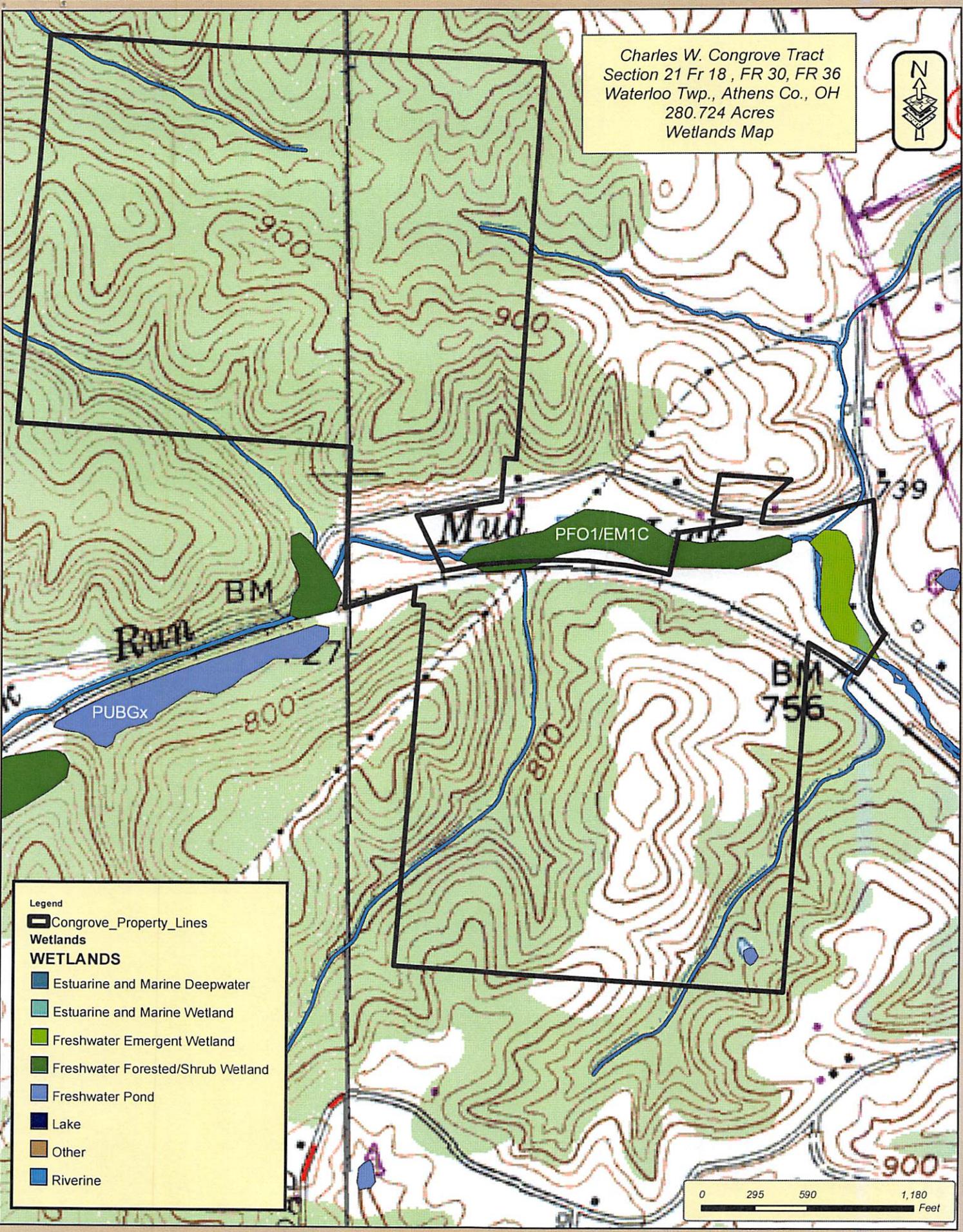
Old St Rt 56
Co Rd 6

Biddiville Rd.
Twp Rd 23

Legend
 Congrove_Property_Lines

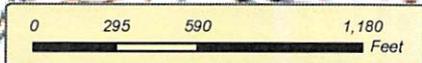


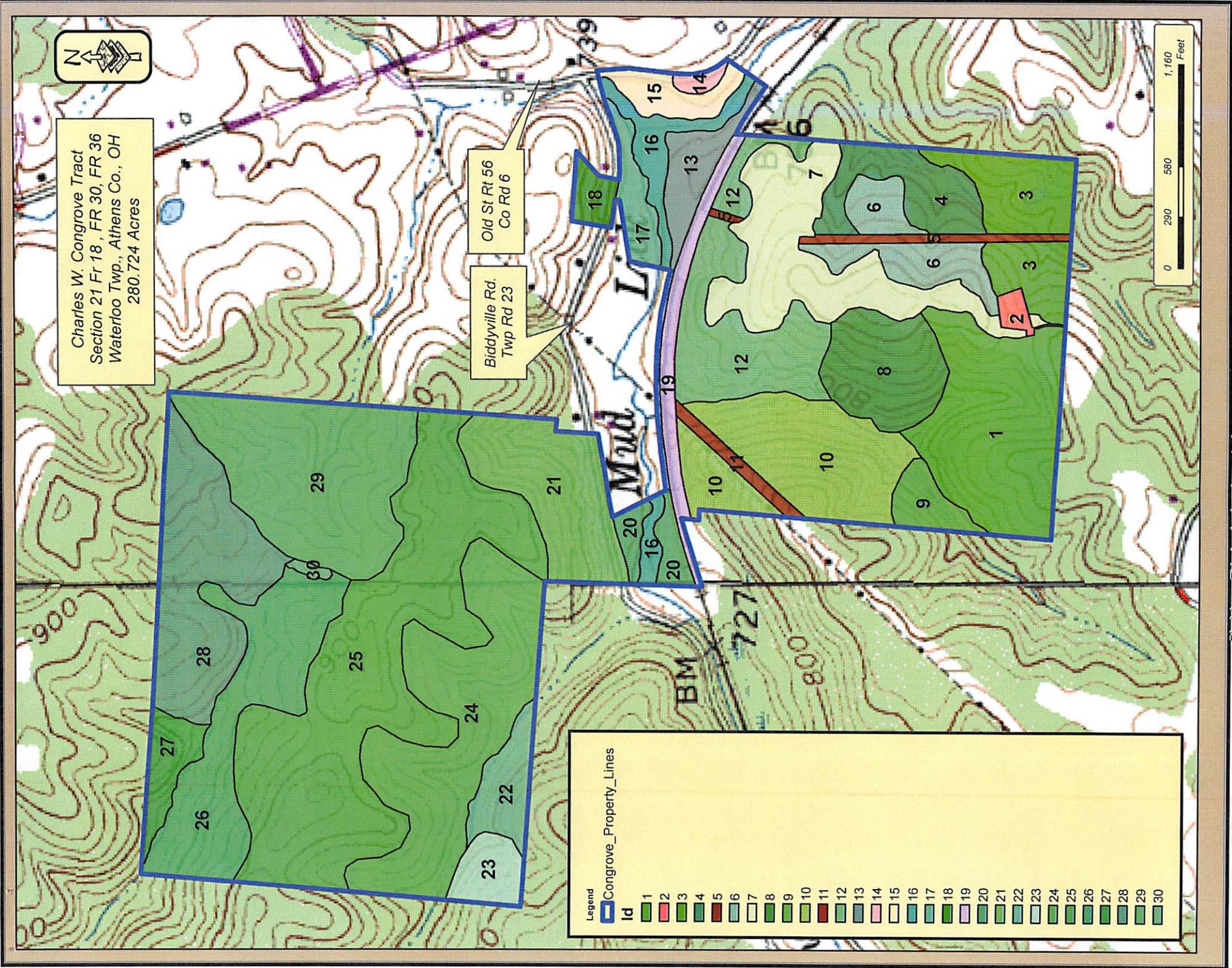
Charles W. Congrove Tract
Section 21 Fr 18, FR 30, FR 36
Waterloo Twp., Athens Co., OH
280.724 Acres
Wetlands Map



Legend

- Congrove_Property_Lines
- Wetlands**
- WETLANDS**
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine



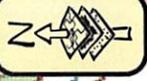
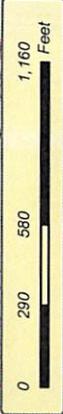


Charles W. Congrove Tract
 Section 21 Fr 18, FR 30, FR 36
 Waterloo Twp., Athens Co., OH
 280.724 Acres

Biddyville Rd.
 Twp Rd 23

Old St Rt 56
 Co Rd 6

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Charles W. Congrove Tract
 Section 21 Fr 18, FR 30, FR 36
 Waterloo Twp., Athens Co., OH
 280.724 Acres



Legend

Congrove_Property_Lines

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Woodland Stand Description and Management Recommendations

Stand # 1 - 18.2 acres

Dominant Species: White Oak, Red Oak, Yellow Poplar, Chestnut Oak, Red Maple, Sassafras, Black Oak, Sugar Maple, Yellow Buckeye

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Fully stocked in most areas

Stand History: Harvesting - Diameter limit 2016

Topography: Gently sloping in most of the area, some benches and a steep sided hollow

Invasive plants or insects impacting this stand: light scattered grapevines.

Stand Description: This stand is a recovering selectively harvested hardwood area with a mixture of desirable tree species present. This area was recently harvested. The majority of this area is fairly uniformly stocked with some gaps where small group selection harvesting was done. The trees are mainly of the pole/pulpwood size classification, with an occasional small sawlog tree present. Larger trees not harvested are found mainly along the property lines and in the steep hollow areas. Almost all of this area has been harvested. Overall, post-harvest - this area has a good mixture of young Oak trees present Understory varies from completely open to very brushy, depending on amount of canopy closure.

Past management activities completed in this stand: Property lines were located and work painting the lines was done. Skid trails are graded and grass covered. Culverts installed.

<i>Management Recommendations:</i>
Work on eradicating the grapevines in this stand
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Mark property lines with paint, redo every 5 years or as needed.

Is a timber harvest recommended? No

Comments: Area will continue to develop into an Oak sawtimber stand again as time passes.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 2 - 1.0 acres non-forest stewardship _ semi-wooded residential area

Dominant Species: Grasses, scattered trees & shrubs near building

Forest Type or Dominant Vegetation: NA

Stand Diameter or Size Class: NA

Stocking Level: NA

Stand History: Other

Topography: Gently sloping house site

Invasive plants or insects impacting this stand: some Japanese honeysuckle at the back edge of this area - noted in adjacent stand descriptions.

Stand Description: This area is the house & yard space. Mr. Congrove built this house in 1987. He and his family resided in the structure for several years. At the time of inspection, the house was not occupied.

Past management activities completed in this stand: built house in 1987, mowing around site

<i>Management Recommendations:</i>
Work on the eradication of any invasive species found (Autumn Olive) along yard edges.

Is a timber harvest recommended? N/A

Comments: This is a private secluded site for a residential area.

Desired Future Conditions: NA

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand # 3 - 10.5 acres

Dominant Species: Scarlet Oak, Black Oak, White Oak, Chestnut Oak, Hickory spp., Sugar Maple, Red Maple, American Beech, Sassafras, Dogwood, White Ash(dead), Buckeye

Forest Type or Dominant Vegetation: Oak-Hickory site

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Fully stocked for the site

Stand History: No Prior Management

Topography: Draws/Ravines lower side slopes and hollow area

Invasive plants or insects impacting this stand: few noted at time of inspection - a few scattered grapevines and a few Autumn Olive

Stand Description: These wooded slope area is a collection of draws and drainage areas in the SR corner of this farm. This area was not harvested because of the limited amount of sawlog sized trees present. The stand has an overall undisturbed appearance. This area has low quality sawlog size Oaks & Hickories present, many of which are capable of producing a fair quantity of hard mass. Sugar Maple & Beech sapling understory is established in areas. Area will be managed to provide for wildlife needs rather than timber production. Open understory because of crown closure. A small pond is located in this area. Area is bisected by a powerline. The western part of this ownership, below the house, is better stocked than by the pond.

Past management activities completed in this stand: This was not harvested in 2016 because of the steep topography and the smaller overall average tree diameter. Again, hiking trails established and area.

<i>Management Recommendations:</i>
Cut grapevines in mass producing trees – very few (not EQIP)
Continue maintaining trails– BMP's to be utilized to prevent erosion
Mark property lines with paint, redo every 5 years or as needed.

Is a timber harvest recommended? No

Comments: This is basically a semi-dry soils area that is not a very productive site.

Desired Future Conditions: maintain this area as a mixed species hardwood stand managed to benefit a variety of wildlife species.

Desired Forest Type or Dominant Vegetation: Oak-Hickory

Desired Stand Structure: Even Aged

Woodland Stand Description and Management Recommendations

Stand # 4 - 6.7 acres

Dominant Species: Black Oak, Red Oak, White Oak, Sugar Maple, Red Maple, Yellow Poplar, Hickory spp., Am. Beech

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: All size classes

Stocking Level: Fully stocked

Stand History: Harvesting - "Select cut" very limited number of trees removed

Topography: Draws/Ravines

Invasive plants or insects impacting this stand: grapevines (light) are not a real issue

Present conditions or resource concerns to consider: This area includes the drainage areas along the hollow near the eastern property line area. This area had very few trees removed during the 2016 harvest. Most of the area has semi-complete crown closure, making the understory stocked with shade tolerant species like Beech and Maple saplings. The fairly open understory area that is easy to traverse. Many of the remnant sawtimber trees in this area are low timber quality but still provide a large quantity of hard mass for wildlife benefit. The cavity and nesting trees present are another important component in the overall wildlife management aspect. Some nice walnut near stream drainage.

Past management activities completed in this stand: Property line located and marked.

<i>Management Recommendations:</i>
Continue to mark property lines with paint
Continue to create/maintain trails in this area
Inspect area for non-native invasive species on a regular basis -eradicate any identified

Is a timber harvest recommended? No

Comments: This is a "leave it alone" area.

Desired Future Conditions: This area is providing all the benefits of having mature trees in undisturbed watershed area. This should be maintained in its present condition.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 5 - 2.0 acres Non-Forested Areas – Electric Line right-of-way

Dominant Species: NA

Forest Type or Dominant Vegetation:

Stand Diameter or Size Class: N/A

Stocking Level: N/A

Stand History: N/A

Topography: Nearly level

Invasive plants or insects impacting this stand: Autumn olive along edges

Stand Description: This area includes all the segments of the overhead powerline right-of-way that pass through forested stands on this tract. This is an active powerline. Part of the line passes through Stand 7 (field area) and that segment is not included in that stand area, because it can be maintained when mowing the field.

Past management activities completed in this stand: some mowing of these areas has been done in the past.

<i>Management Recommendations:</i>
Annually inspect for invasive species along right of way edges, work on eradicating any found as time permits

Is a timber harvest recommended? N/A

Comments: This area will be consistent “trouble” area for non-native invasive species to become established in and then spread into adjacent forest stands.

Desired Future Conditions:

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand # 6 - 7.0 acres

Dominant Species: Hawthorn, Red Maple, Yellow Poplar, Black Cherry, Sassafras

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Seedling/Sapling, scattered pole trees

Stocking Level: Under stocked in most areas with desirable species

Stand History: Old-Field Reversion

Topography: Gently sloping

Invasive plants or insects impacting this stand: Multi Flora Rose, Japanese Honeysuckle, a few scattered grapevines, Autumn Olive.

Stand Description: This stand covers the slope below the ridgetop field. Area divided by a small powerline. This area had been open land and reverted back into forestland – late successional stage of development. Species composition is limited to “soft” hardwoods with limited Oaks & Hickory trees present. Will be a great Yellow Poplar stand in time, but this area offers little for deer habitat except for cover. Trees are growing at a slow rate because of site & soils. At some point in time crop tree release work will be necessary to improve these growth rates.

Past management activities completed in this stand: Trails maintained throughout this area.

<i>Management Recommendations:</i>
At some point in time CTR work should be done in this area
A minimal intensity activity that would benefit this area greatly would be to continue to work on eradication of any Autumn Olive as time permits
Keep property lines marked.

If a timber harvest is recommended: No, not in this 10 year Plan

Comments: Nasty area to walk through – great for wildlife & song birds

Succession is the natural process of reforestation. This transition from grass to weeds to shrubs to trees may happen in one decade or it may take as long as a century to complete. Often, forests are cleared and farmed until it is no longer profitable to do so. This causes fields to be abandoned and lie fallow.

During early succession, the weeds are the first plants to appear in an abandoned field. Asters, goldenrod, honeysuckle, thistle, ragweed and blackberry are common weeds to quickly invade an abandoned field.

During middle succession the next wave of invaders to gain a foothold are the shrubs and small trees. Some common shrubs and small trees found on transition sites are multi-flora rose, sumac, poison ivy, highbush blueberry, dogwood, crabapple, persimmon and sassafras.

During late succession, if the seed source is close by, black locust, Virginia pine, black cherry, red maple, and tulip poplar soon become established. After five to ten years these intolerant and moderately tolerant trees will have overtopped and eliminated the shrubby plants. These intolerant trees usually reach maximum development at 60 to 75 years of age. Following this, at a slower pace, the intermediate tolerant oaks and tolerant sugar maple begin to occupy the understory.

Desired Future Conditions: Allow area develop into a mature hardwood forest.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Even Aged

Woodland Stand Description and Management Recommendations

Stand #7 - 13.32 acres Non-Forest Stewardship – Idle Field Area

Dominant Species: grasses, broadleaf weeds milkweed, _patches of various seedlings – dogwood, hawthorn, hickories, sumac, white oak, sassafras, autumn olive

Forest Type or Dominant Vegetation: NA

Stand Diameter or Size Class: N/A

Stocking Level: N/A

Stand History: old hay field area

Topography: Gently sloping, ridgetop field

Invasive plants or insects impacting this stand: Autumn Olive along field edges, scattered patches in field area.

Stand Description: This is a ridgetop field, that is slowly reverting back to forest land as sections are not mowed and left to naturally regenerate. The edges of this area has a fair amount of hardwood seedlings established and this area may be improved by planting seedlings or nuts. Areas to be planted will need site preparation to kill the heavy grass cover. Overall, mowed sections, briar patches and diversified “edge” effect along the woods provides habitat diversity for wildlife.

Past management activities completed in this stand: annual mowing done to different portions for wildlife habitat diversity.

<i>Management Recommendations:</i>
Continue work on the eradication any non-native invasive species found as time permits
Parts of this area could be planted to a mixture of hardwood tree species.
Continue rotational mowing practices in this area for wildlife benefit

Is a timber harvest recommended? N/A

Comments: If it is no longer desirable to mow all or parts of this field it should be planted to trees at that time. Contact your local Service Forester or Athens County SWCD office for planting recommendations.

If this area is not bush hogged at least semi-annually, the Autumn Olive will continue to invade this area.

Desired Future Conditions: Open non-forested space (at this time)

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand # 8 - 8.9 acres

Dominant Species: White Oak, Black Oak, Scarlet Oak, Chestnut Oak, Red Maple Am. Beech Hickory spp. Sugar Maple

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: All size classes, large sawlog trees remaining are mainly Beech

Stocking Level: Fully stocked in most areas, but not with desirable future crop trees

Stand History: Harvesting - Diameter limit 2016

Topography: Gently sloping, area, some flat benches and steep slope areas

Invasive plants or insects impacting this stand: Autumn Olive along edge with Stand 7

Stand Description: Again, this stand is a recovering harvested hardwood area. This area was separated out of the adjacent hardwood areas because of the numerous large Beech trees remaining in this area. Overall, post-harvest - this area has differences in tree size and stocking levels that provides diversity. Understory is open, due to the amount of canopy closure. The large Beech trees are providing the shading with their large crowns. Many of these trees show defect and cavities. Shade tolerant species like Sugar Maple & Beech saplings are found in the understory.

Past management activities completed in this stand: Skid trails are graded and grass covered.

<i>Management Recommendations:</i>
Work on eradicating the grapevines in this stand
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Mark property lines with paint, redo every 5 years or as needed.

Is a timber harvest recommended? No

Comments: Area will continue to develop as time passes. This area is evolving into a Maple/Beech stand because of the previous harvesting activities.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 9 - 2.7 acres

Dominant Species: Yellow Poplar, Black Cherry, Red Maple, Sugar Maple, a few Oak spp.

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber

Stocking Level: Over stocked in most areas with desirable species

Stand History: Harvesting - Commercial clearcut_20+ years ago

Topography: Gently sloping

Invasive plants or insects impacting this stand: a few scattered grapevines.

Stand Description: This stand covers a small steep side slope area in the western mid-corner of this tract. This area appears to have been clearcut when the adjacent property was harvested – late successional stage of development. Species composition is limited to “soft” hardwoods with limited Oaks & Hickory trees present. Great Yellow Poplar stand, but this area offers little for deer habitat except for cover. Trees are growing at an acceptable rate. At some point in time crop tree release work will be necessary to maintain these growth rates.

Past management activities completed in this stand: property lines located and marked.

<i>Management Recommendations:</i>
At some point in time CTR work should be done in this area
Keep property lines marked.

If a timber harvest is recommended: No, not in this 10 year Plan

Comments: Great timber potential – not so great wildlife benefit area at this stage of development.

Desired Future Conditions: Allow area develop into a mature hardwood forest.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Even Aged

Woodland Stand Description and Management Recommendations

Stand # 10 - 17.2 acres

Dominant Species: Yellow Poplar, Chestnut Oak, White Oak, Red Maple, Sassafras, Black Oak, Sugar Maple, Yellow Buckeye, lower slope some Black Walnut

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Under stocked in most areas

Stand History: Harvesting - Diameter limit 2016

Topography: Steep, upper slope area, some benches and a small hollow

Invasive plants or insects impacting this stand: scattered Autumn Olive along powerline edge, Multi-Flora Rose, light scattered grapevines.

Stand Description: This stand is a recovering selectively harvested hardwood area with a mixture of desirable tree species present. In this mid and upper slope areas, the trees are more of the pole/pulpwood sizes, with an occasional small sawlog tree present. Larger trees not harvested are found mainly along the property lines and powerline area. Almost all of this area has been harvested. Overall, post-harvest - this area has differences in tree size and stocking levels that provides diversity in habitat. Understory varies from completely open to very brushy, depending on amount of canopy closure.

Past management activities completed in this stand: Property lines were located and work painting the lines is planned. Skid trails are graded and grass covered.

<i>Management Recommendations:</i>
Work on eradicating the grapevines in this stand
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Mark property lines with paint, redo every 5 years or as needed.

Is a timber harvest recommended? No

Comments: Area will continue to develop as time passes. Skid trail on the west side of powerline is fairly steep and will need attention is utilized for an access trail.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 11 - 1.5 acres Non-Forested Areas – Electric Transmission right-of-way

Dominant Species: NA

Forest Type or Dominant Vegetation:

Stand Diameter or Size Class: N/A

Stocking Level: N/A

Stand History: N/A

Topography: Nearly level

Invasive plants or insects impacting this stand: Autumn Olive along edges

Stand Description: This area includes the large overhead transmission powerline right-of-way that passes through forested stands on this tract.

Past management activities completed in this stand: This is an active powerline that was under construction at time of inspection.

<i>Management Recommendations:</i>
Annually inspect for invasive species along right of way edges, work on eradicating any found as time permits

Is a timber harvest recommended? N/A

Comments: This area will be consistent “trouble” area for non-native invasive species to become established in and then spread into adjacent forest stands.

Desired Future Conditions:

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand # 12 - 15.6 acres

Dominant Species: White Oak, Red Maple, Yellow Poplar, Chestnut Oak, Sassafras, Black Oak, Sugar Maple, Yellow Buckeye, Hawthorn, Dogwood, Red Bud

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Under stocked in some areas, parts fully stocked with commercial species

Stand History: Harvesting - Diameter limit 2016

Topography: Steep,side slope areas, some benches and small hollows

Invasive plants or insects impacting this stand: scattered Autumn Olive, Bush Honeysuckle, Privet and Japanese Honeysuckle along railway edge.

Stand Description: This area covers the wooded slope between the field (ST7) and the abandoned railroad (ST19) that was harvested in 2016. This area was heavily harvested. Trees remaining are mainly smaller diameter Oaks with some Beech, Maple trees. Area is brushy: hawthorn, spice bush, autumn olive, multi flora rose.

This area also included the bottom of a large hollow adjacent to the rail line area. This moist site area is populated with mainly Am. Elm, Sycamore, Box Elder, Cottonwood and some Black Walnut. This area was only lightly harvested. SMZ maintained.

Past management activities completed in this stand: Property lines were located and work painting the lines is planned. Skid trails are graded and grass covered.

<i>Management Recommendations:</i>
Work on eradicating the grapevines in this stand
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Work on eradicating the non-native invasive species in this stand

Is a timber harvest recommended? No

Comments: Area will continue to develop as time passes. Non-native invasive species will be an issue because of Stand 19 –the abandoned rail line.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 13 - 4.0 acres

Dominant Species: Box Elder, Black Walnut, Red Maple, Am. Elm, Hawthorn, Sycamore, Black Oak, Black Cherry, Cottonwood

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: All size classes

Stocking Level: Under stocked in some areas, parts fully stocked with commercial species

Stand History: No Prior Management

Topography: Gently sloping, overall, steep side slope area on rail embankment

Invasive plants or insects impacting this stand: scattered Autumn Olive, Bush Honeysuckle, Privet and Japanese Honeysuckle along railway edge.

Stand Description: This area covers the developing wooded slope between the stream and the abandoned railroad (ST19). This area also included part of the bottomland site adjacent to the stream area. The lower part of this area is a moist site area is populated with mainly Am. Elm. Sycamore, Box Elder and some Black Walnut.

Past management activities completed in this stand: none noted

<i>Management Recommendations:</i>
Work on eradicating the grapevines from the Walnuts in this stand
Work on eradicating the non-native invasive species in this stand
Possible trail construction in this area

Is a timber harvest recommended? No

Comments: Area will continue to develop as time passes. Non-native invasive species will be an issue because of Stand 19 –the abandoned rail line.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 14 - **1.0** acres non-forest stewardship _ residential area

Dominant Species: Grasses, scattered trees & shrubs near house

Forest Type or Dominant Vegetation: NA

Stand Diameter or Size Class: NA

Stocking Level: NA

Stand History: Other

Topography: Nearly level house site

Invasive plants or insects impacting this stand: N/A

Stand Description: This area is the house & yard space. Mr. Congrove lives in this house located along County Road 6.

Past management activities completed in this stand: mowing around site

<i>Management Recommendations:</i>
Work on the eradication of any invasive species found along yard edges.

Is a timber harvest recommended? N/A

Comments:

Desired Future Conditions: NA

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand #15 - 3.1 acres Non-Forest Stewardship – Idle Field Area

Dominant Species: grasses, broadleaf weeds milkweed, _patches of various seedlings – dogwood, hawthorn, hickories, sumac, black walnut, autumn olive

Forest Type or Dominant Vegetation: NA

Stand Diameter or Size Class: N/A

Stocking Level: N/A

Stand History: old hay field area

Topography: Nearly level, bottomland field

Invasive plants or insects impacting this stand: Autumn Olive along field edges, scattered patches in field area.

Stand Description: This is a bottomland field, that is slowly shrinking in size because sections are not mowed and left to naturally regenerate. The edges of this area has a fair amount of hardwood seedlings established and this area is expanding the SMZ area. Overall, mowed sections, briar patches and diversified “edge” effect along the woods provides habitat diversity for wildlife. Parts of this Stand have been identified in the National Wetlands Database.

Past management activities completed in this stand: annual mowing done to different portions for wildlife habitat diversity.

<i>Management Recommendations:</i>
Continue work on the eradication any non-native invasive species found as time permits
Parts of this area could be planted to a mixture of hardwood tree species.
Continue rotational mowing practices in this area for wildlife benefit

Is a timber harvest recommended? N/A

Comments: If it is no longer desirable to mow all or parts of this field it should be planted to trees at that time. Contact your local Service Forester or Athens County SWCD office for planting recommendations.

If this area is not bush hogged at least semi-annually, the Autumn Olive will continue to invade this area.

Desired Future Conditions: Open non-forested space (at this time)

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand # 16 - **5.0** acres Semi-wooded Riparian Area

Dominant Species: B. Walnut, Sycamore, Box Elder, Ash, Red Maple, Elm, Black Willow, Cottonwood

Forest Type or Dominant Vegetation: Bottomland Hardwoods - better drained site

Stand Diameter or Size Class: All size classes

Stocking Level: Under stocked, most areas with desirable species

Stand History: Old-Field Reversion

Topography: Nearly level

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

Stand Description: This area encompasses the stream channel & stream banks of Mud Lick Run where it passes through this farm. Most of this area is subject to periodic flooding. 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. Classification of Mud Lick Run is a perennial stream. Quality Black Walnut trees can be found throughout this area, mixed in with the Box Elder.

Past management activities completed in this stand: none noted

<i>Management Recommendations:</i>
Cut any grapevines found from walnut trees
Possibly plant additional Walnut trees – seedlings or nuts

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

Comments: This site will produce quality Walnut trees

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: Bottomland Hardwoods - better drained site

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand #17 - 3.1 acres Non-Forest Stewardship – Idle Field Area

Dominant Species: grasses, broadleaf weeds milkweed, _patches of various seedlings –black willow, box elder, hawthorn, hickories, sumac, black walnut, autumn olive

Forest Type or Dominant Vegetation: NA

Stand Diameter or Size Class: N/A

Stocking Level: N/A

Stand History: old hay field area

Topography: Nearly level, bottomland field

Invasive plants or insects impacting this stand: Autumn Olive along field edges, scattered patches in field area.

Stand Description: This is a bottomland field that is subject to flooding. The edges of this area has a fair amount of hardwood seedlings established and this area is expanding the SMZ area along Mud Lick Run. Overall, mowed sections, briar patches and diversified “edge” effect along the woods provides habitat diversity for wildlife. Some Walnut sapling/pole trees established in this area. Parts of this Stand have been identified in the National Wetlands Database.

Past management activities completed in this stand: annual mowing done to different portions for wildlife habitat diversity.

<i>Management Recommendations:</i>
Continue work on the eradication any non-native invasive species found as time permits
Parts of this area could be planted to a mixture of hardwood tree species.
Continue rotational mowing practices in this area for wildlife benefit

Is a timber harvest recommended? N/A

Comments: If it is no longer desirable to mow all or parts of this field it should be planted to trees at that time. Contact your local Service Forester or Athens County SWCD office for planting recommendations.

If this area is not bush hogged at least semi-annually, the Autumn Olive will continue to invade this area.

Desired Future Conditions: Open non-forested space (at this time)

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand # 18 - 1.7 acres

Dominant Species: White Ash (dead), Sugar Maple, Red Maple, Black Oak, White Oak, Aspen, Black Cherry, Sycamore, Black Locust, Hickories

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber with larger trees scattered throughout area

Stocking Level: Fully stocked

Stand History: No Prior Management

Topography: Steep slope areas

Invasive plants or insects impacting this stand: EAB, Autumn Olive, Grapevines

Stand Description: Compared to adjacent Stand 17, this area has adequate stocking of trees that provide some crown closure, reducing the Autumn Olive in the understory. The steep, dry, rocky side slope areas. Trees are well developed and healthy, but growing slowly. Ash trees showing EAB mortality. Quality Sugar Maple trees in this area.

Past management activities completed in this stand: None noted at time of inspection

<i>Management Recommendations:</i>
Continue to locate & mark property lines with paint, redo every 5 years or as needed
Cut the scattered grapevines from this area
Inspections for non-native invasive species – reduce Autumn Olive as time permits

If a timber harvest is recommended: No not in this 10 year management cycle. Review stand stocking once the Ash mortality effect can be determined.

Comments: This stand is a steep slope area, with rock outcroppings. Area lays adjacent to Biddiville Road. Area was pastured in the past. Area has a significant Ash component in stocking and it has EAB established.

Desired Future Conditions: Maintain this area as an uneven aged hardwood stand. Promote the Oak development for timber and hard mass potential.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 19 - 4.5 acres Non-Forested Area – Abandoned Rail Road right-of-way

Dominant Species: NA

Forest Type or Dominant Vegetation:

Stand Diameter or Size Class: N/A

Stocking Level: N/A

Stand History: N/A

Topography: Nearly level

Invasive plants or insects impacting this stand: Autumn Olive, Bush Honeysuckle, Privet, Japanese Vine Honeysuckle along edges, EAB

Stand Description: This area covers the abandoned railroad right-of-way of the C & O (Chesapeake & Ohio) Railroad. Rails & ties are removed and only the flat ballast right-of-way remains. Most of the raised rail bed in this area is still graded and easy to traverse. Non-native invasive species are encroaching into this area.

Past management activities completed in this stand: This area is maintained as an access road through this ownership.

<i>Management Recommendations:</i>
Annually inspect for invasive species along right of way edges, work on eradicating any found as time permits

Is a timber harvest recommended? N/A

Comments: This area will be consistent “trouble” area for non-native invasive species to become established in and then spread into adjacent forest stands.

Desired Future Conditions:

Desired Forest Type or Dominant Vegetation:

Desired Stand Structure:

Woodland Stand Description and Management Recommendations

Stand #20 - 3.1 acres

Dominant Species: Black Walnut, Box Elder, Cottonwood, Sycamore, Ash, Black Willow

Forest Type or Dominant Vegetation: Bottomland Hardwoods - better drained site

Stand Diameter or Size Class: Poletimber/Small sawtimber with larger trees scattered along the stream bank.

Stocking Level: Fully stocked for the site & soil type

Stand History: No Prior Management

Topography: Nearly level

Invasive plants or insects impacting this stand: Grapevines, EAB, Autumn Olive

Stand Description: This is a bottomland stand lying between the Twp. Road and the abandoned rail right of way. This area is bisected by Mud Lick Run. Area is subject to seasonal flooding. A fair amount of quality Black Walnut trees in this area. Grass understory in most areas. Grapevines are an issue in this area.

Past management activities completed in this stand: none noted in this area.

<i>Management Recommendations:</i>
Continue work on the eradication any non-native invasive species found as time permits
Grapevines should be cut from Black Walnut trees

Is a timber harvest recommended? N/A

Comments: This area will produce quality Walnut trees in the future. This area was not harvested in 2016.

Desired Future Conditions: Allow this bottomland hardwood site to produce quality Walnut trees.

Desired Forest Type or Dominant Vegetation: Bottomland Hardwoods - better drained site

Desired Stand Structure: Uneven Aged

Stands 21-29 comprise the portion of this Ownership that lies on the North side of Bidyville Road.

This area was also harvested in 2016 . This harvest was a 16" dbh diameter limit harvest intended to generate income for the Landowner. Both a Consulting Forester and an Industrial Forester from Glatfelter were responsible for oversight of the harvesting operation. The results from this type of harvest are some heavily harvested areas that are basically sloppy clearcuts, areas that were high-graded (only the quality trees removed, all the damaged, defective trees and low quality trees remain), to areas of steep/rocky terrain or for some other reason, were only lightly affected during this harvest. Two small areas were inaccessible and were not logged at all.

Because of the intensity of this harvest it will be 40 – 50 years before this area will be ready for possible harvesting. There are some BMP issues as a result of this harvest that the landowner will need to address or soil loss may become an issue. Other silvicultural activities to improve this woodlot may be necessary in the next 10 year Stewardship Plan, once this area begins to recover more and stand stocking levels stabilize. This entire area is leased for hunting.

Woodland Stand Description and Management Recommendations

Stand # 21 - **12.5** acres

Dominant Species: White Ash (dead), Sugar Maple, Red Maple, Black Oak, White Oak, Yellow Poplar, Black Cherry, Sycamore, Black Locust, Hickories, Sassafras

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber with larger trees scattered throughout area

Stocking Level: Fully stocked in most areas

Stand History: Harvesting - "Select cut" in 2016

Topography: Steep slope areas and hollow area

Invasive plants or insects impacting this stand: EAB, Autumn Olive, Grapevines, Japanese Honeysuckle

Stand Description: The steep, dry, rocky slope and hollow along the eastern property line. The main logging access road was established in this area in 2016 to access the timber on this tract. This road is in need of some repairs –water bars reconstructed & re-seeded to eliminate erosion issues. Ash trees showing EAB mortality. Quality Sugar Maple and a fair amount of White Oak trees in this area. A low productivity site with limited possibilities because of the steep terrain factor.

Past management activities completed in this stand: None noted at time of inspection

<i>Management Recommendations:</i>
Continue to locate & mark property lines with paint, redo every 5 years or as needed
Cut the scattered grapevines from this area
BMP's work on the access road is necessary.

If a timber harvest is recommended: No not in this 10 year management cycle

Comments: This stand is a steep slope area, with rock outcroppings. Area lays adjacent to Biddyville Road.

Desired Future Conditions: Maintain this area as an uneven aged hardwood stand.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 22 - **4.3** acres

Dominant Species: Red Oak, White Oak, Black Oak, Hickories, Red Maple, Yellow Poplar, Black Cherry, Am. Beech, Sugar Maple, Hickory spp., Ash (dead)

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: All size classes few medium/large sawlog trees

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

Stand History: No Prior Management

Topography: Steep hollow slope

Invasive plants or insects impacting this stand: EAB present in stand, light scattered grapevines

Present conditions or resource concerns to consider: Located in the SW corner of this tract, this Stand is a steep slope area, bookended by a deep hollow and the property boundary (like Stand 27). This area was not logged because of the difficult terrain. Overall this area is stocked with a desirable mixture of trees. Trees are 70+ years old and are growing at an acceptable rate for the site & soil conditions. This area has the best concentration of quality trees remaining on this tract. Open understory because of full crown closure. Maple/Beech saplings in understory. Some rock outcroppings present that limit access. Very little Ash composition in this stand so EAB will not have a major impact.

Past management activities completed in this stand: Property lines painted

<i>Management Recommendations:</i>
Mark all boundary lines with paint, remark every 5 years or as needed
Cut any grapevines from crop trees in this area

Is a timber harvest recommended? No

Comments: This is the highest quality timber on this ownership. Area was too difficult to log for the limited number of trees they could harvest from this area. Nice rock outcroppings

Desired Future Conditions: Continue to allow area to naturally develop into sawtimber stand.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 23 - **3.3** acres

Dominant Species: Sugar Maple, Hickories, Red Maple, Yellow Poplar, White Oak, Black Oak, Northern Red Oak, Black Cherry, Am. Beech, Yellow Buckeye, Sycamore, Black Walnut

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: All size classes

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

Stand History: No Prior Management

Topography: Steep slopes

Invasive plants or insects impacting this stand: EAB present in stand, light scattered grapevines

Present conditions or resource concerns to consider: This Stand is a steep slope area, bookended by a deep hollow and the property boundary. This area was not logged because of the difficult terrain. Overall this area is well stocked with a desirable mixture of trees. Trees are 70+ years old and are growing at an acceptable rate for the site & soil conditions. This area has the highest concentration of quality trees remaining on this tract. Open understory because of full crown closure. Maple/Beech saplings in understory. Some rock out croppings present that limit access. This is an example of a mature woods. Very little Ash composition in this stand so EAB will not have a major impact. Maple/Beech/Red Oak area.

Past management activities completed in this stand: Property lines painted

<i>Management Recommendations:</i>
Mark all boundary lines with paint, remark every 5 years or as needed
Cut any grapevines from crop trees in this area

Is a timber harvest recommended? No

Comments: This is an example of a mature woods.

Desired Future Conditions: Continue to allow area to naturally develop into an "old growth" stand.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 24 - 4.3 acres

Dominant Species: White Oak, Red Maple, Yellow Poplar, Chestnut Oak, Am. Beech, Black Oak, Sugar Maple, Yellow Buckeye, Dogwood, Red Bud, Sassafras

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Under stocked in some areas, parts fully stocked patches & steeper slope areas

Stand History: Harvesting - Diameter limit 2016

Topography: Draws/Ravines,side slope areas_ 4 small hollows

Invasive plants or insects impacting this stand: EAB in any remaining Ash trees

Stand Description: This area was heavily harvested like adjacent Stand 22, but the residual stand is more evenly stocked with small sawlog/pole sized trees than Stand 25. This Stand included 4 hollows and covers the entire mid to lower slope areas in the southern side of the main ridge. Issue is the amount of damage done to residual trees –barked up stems, broken tops and damaged roots. Wind damage is already evident in this area with trees being blown over. Stump sprouting has begun and Oak regeneration appears to be flourishing. Several vernal pools noted in this area that benefit wildlife. Logging trails in good condition, no erosion issues noted.

Past management activities completed in this stand: Property lines were located and painted Harvested in 2016. Skid trails are graded and water barred.

<i>Management Recommendations:</i>
Keep property lines painted
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Work on eradicating the non-native invasive species identified in this stand

Is a timber harvest recommended? No

Comments: This area is the most evenly stocked residual stand area on this tract. That is why this area was separated out from Stand 22.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 25 - **43.9** acres

Dominant Species: Red Maple, White Oak, Yellow Poplar, Chestnut Oak, Am. Beech, Black Oak, Sugar Maple, Yellow Buckeye, Dogwood, Red Bud, Hornbeam

Forest Type or Dominant Vegetation: Oak-Hickory

Stand Diameter or Size Class: Sapling/Poletimber is what is being managed as

Stocking Level: Under stocked with pole sized and larger trees

Stand History: Harvesting - Diameter limit 2016 area

Topography: Gently sloping ridge top areas

Invasive plants or insects impacting this stand: none noted at time of inspection but given time, Autumn Olive will be an issue in the heavily harvested area.

Stand Description: This ridgetop/ upper slope area was heavily harvested. Two log landing are located on this ridgetop as well as the main skid trail and truck roads. All of this has left large openings in the forested area. Again, many damaged, poor form, undesirable species of trees remaining, not the trees you want to manage for. Many of the Red Maples and Oak trees along any of the roads are damaged, many will die or have died already. Again, some wind damage evident. The stand has not stabilized yet and I expect additional trees will be dying. Stump sprouting and natural regeneration is becoming established in non-compacted soils areas.

Past management activities completed in this stand: Property lines were located and painted Harvested in 2016. Skid trails are graded and water barred. Log landings have been seeded for use as food plots. Area leased for hunting.

<i>Management Recommendations:</i>
Keep property lines painted
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Work on eradicating the non-native invasive species identified in this stand

Is a timber harvest recommended? No

Comments: This area is the heaviest impacted logged area on this tract. That is why this area was separated out from Stand 24. Nice road into site now. Great view form several locations on this ridge.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 26 - 4.3 acres

Dominant Species: White Oak, Red Maple, Black Oak, Sugar Maple, Yellow Buckeye, Sassafras, Yellow Poplar, Chestnut Oak, Am. Beech, Dogwood, Red Bud

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Under stocked in some areas, parts fully stocked patches & steeper slope areas

Stand History: Harvesting - Diameter limit 2016

Topography: Draws/Ravines, side slope areas and drainage

Invasive plants or insects impacting this stand: EAB in any remaining Ash trees

Stand Description: This Stand is similar in composition, size of remaining stems and basal area as Stand 24. There are some scattered larger Beech trees remaining in this drainage area as well as some low grade maple trees. The actual drainage area is in excellent condition considering the amount of logging activity. This will become a Maple / Beech area in the future. Some areas still have full crown closure over the stream. The higher up the slope, the harder this area was harvested. Upper part of this stand is all pole trees left. Skid roads all closed out properly.

Past management activities completed in this stand: Property lines were located and painted Harvested in 2016. Skid trails are graded and water barred.

<i>Management Recommendations:</i>
Keep property lines painted
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Work on eradicating the non-native invasive species identified in this stand

Is a timber harvest recommended? No

Comments: This area is not as nice as Stand 24 but is nicer than Stands 25 & 28. The SMZ is fairly well undisturbed in this drainage. This area will recover well.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 27 - **3.3** acres

Dominant Species: Hickories, Red Maple, Yellow Poplar, White Oak, Black Oak, Black Cherry, Am. Beech, Sugar Maple, Ash (dead)

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: All size classes few medium/large sawlog trees

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

Stand History: No Prior Management

Topography: Draws/Ravines and side slopes

Invasive plants or insects impacting this stand: EAB present in stand, light scattered grapevines

Present conditions or resource concerns to consider: Located in the NW corner of this tract, this Stand is a steep slope area, bookended by a deep hollow and the property boundary (like Stand 23). This area was not logged because of the difficult terrain. Overall this area is stocked with a desirable mixture of trees. Trees are 60+ years old and are growing at an acceptable rate for the site & soil conditions. This area has a good concentration of quality trees remaining on this tract. Open understory because of full crown closure. Maple/Beech saplings in understory. Some rock out croppings present that limit access. Very little Ash composition in this stand so EAB will not have a major impact. White Oak / Hickory area.

Past management activities completed in this stand: Property lines painted

<i>Management Recommendations:</i>
Mark all boundary lines with paint, remark every 5 years or as needed
Cut any grapevines from crop trees in this area

Is a timber harvest recommended? No

Comments: Remote corner of the property, was too difficult to log for the limited number of trees they would harvest from this area.

Desired Future Conditions: Continue to allow area to naturally develop into sawtimber stand.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 28 - 17.4 acres

Dominant Species: White Oak, Black Oak, Scarlet Oak, Hickories, Red Maple

Forest Type or Dominant Vegetation: Oak-Hickory

Stand Diameter or Size Class: Poletimber/Small sawtimber is what is being managed as

Stocking Level: Under stocked

Stand History: Harvesting - Diameter limit cut in 2016 _area was heavily harvested

Topography: Gently sloping ridge top areas

Invasive plants or insects impacting this stand: none noted at time of inspection but given time, Autumn Olive will be an issue in the heavily harvested area in the future.

Stand Description: This ridgetop/ upper slope area near the northern property line was heavily harvested. A log landing was located on this ridgetop as well as a main skid trail and a truck road leading into this area. Again, numerous damaged, poor form, undesirable species of trees remaining, but not the trees you want to manage for. Red Maples with damaged stems and White Oaks, with epicormic branching starting, means this will be a low quality timber area. Again, some wind damage evident. The stand has not stabilized yet and I expect additional trees will be dying. Stump sprouting and natural regeneration is becoming established in non-compacted soils areas. This area will regenerate somewhat slower because of being a dry site location.

Past management activities completed in this stand: Property lines were located and painted Harvested in 2016. Skid trails are graded and water barred. Log landing has been seeded for use as food plot. Area is leased for hunting.

<i>Management Recommendations:</i>
Keep property lines painted
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Work on eradicating the non-native invasive species identified in this stand

Is a timber harvest recommended? No

Comments: Again this area was heavily impacted by logging. That is why this area was separated out from Stand 29. Nice road into site now.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 29 - 23.4 acres

Dominant Species: White Oak, Red Maple, Hickory spp., Yellow Poplar, Am. Beech, Black Oak, Sugar Maple, Dogwood, Red Bud, Sassafras

Forest Type or Dominant Vegetation: Upland Central Hardwoods

Stand Diameter or Size Class: Poletimber/Small sawtimber

Stocking Level: Fully stocked in most areas, understocked patches where groups of trees were removed.

Stand History: Harvesting - Diameter limit 2016

Topography: Gently sloping head of a large hollow area, several steep slope spots and then benches

Invasive plants or insects impacting this stand: EAB in any remaining Ash trees

Stand Description: Again, this area was heavily harvested like adjacent Stand 26, but the residual stand is more evenly stocked with small sawlog/pole sized trees than Stands 25 & 28. This Stand included the head of a large hollow and covers the entire mid to lower slope areas in the east side of the main ridge. Issue is the amount of damage done to residual trees –barked up stems, broken tops and damaged roots. Stump sprouting has begun and Oak regeneration appears to be flourishing. Logging trails in good condition, no erosion issues noted.

Past management activities completed in this stand: Property lines were located and painted Harvested in 2016. Skid trails are graded and water barred.

<i>Management Recommendations:</i>
Keep property lines painted
Continue maintaining access trails – BMP's to be constructed to prevent erosion
Work on eradicating the non-native invasive species identified in this stand

Is a timber harvest recommended? No

Comments: This area is the most evenly stocked residual stand area on this tract. That is why this area was separated out from Stands 25 & 28.

Desired Future Conditions: Allow to mature into a fully stocked hardwood stand again.

Desired Forest Type or Dominant Vegetation: Upland Central Hardwoods

Desired Stand Structure: Uneven Aged

Woodland Stand Description and Management Recommendations

Stand # 30 - .5 acres

Dominant Species: White Pine & Spruce, Yellow Poplar, Red Maple

Forest Type or Dominant Vegetation: Softwood Plantation

Stand Diameter or Size Class: Small/Medium sawtimber

Stocking Level: Over stocked

Stand History: Unknown

Topography: Gently sloping

Invasive plants or insects impacting this stand: None noted

Stand Description: This is a small conifer patch that had been planted by a previous property owner. Trees are 40-50 years old and in good condition. This small stand is the only conifers on this tract.

Past management activities completed in this stand: None noted

Management Recommendations:

A minimal intensity activity that would benefit this area greatly would be to continue to inspect for and then work on eradication of any non-native invasive species as time permits

If a timber harvest is recommended: No, not in this 10 year Plan

Comments: Nice little conifer stand.

Desired Future Conditions: Maintain conifer trees in this area as long as possible.

Desired Forest Type or Dominant Vegetation: Softwood Plantation

Desired Stand Structure: Even Aged

Management Activity Schedule

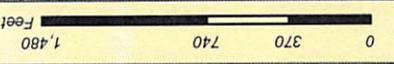
Year(s) Suggested	Mgmt. Unit	Required Task?	EQIP Practice?	Acres	Recommendations
2018,2023 and 2028	all	<input checked="" type="checkbox"/>	<input type="checkbox"/>	NA	Inspect & remark any portions of property lines with paint and signs necessary to help prevent illegal trespass. This task must be completed before this farm is eligible for enrolment into either OFTL or CAUV property tax reduction programs.
2019 -2024	19	<input type="checkbox"/>	<input checked="" type="checkbox"/>	4 ac of light infestation	Non-native woody shrub eradication: Bush Honeysuckle, Autumn Olive, Privet.....
2018 -2028	1, 10 & 21	<input type="checkbox"/>	<input type="checkbox"/>	NA	Maintain roads and access trails. Establish BMP's on trails where necessary to prevent erosion.
2018 -2028	7, 15, 17, 25 & 28	<input type="checkbox"/>	<input checked="" type="checkbox"/>	16 ac	Continue various wildlife habitat enhancement projects benefiting both game and non-game species
2018 -2028	7, 15, 17	<input type="checkbox"/>	<input type="checkbox"/>	3-10 ac	Mow/plant parts of this site to maintain cover. Possibly install nesting structures or brush piles along edges
2018-2028	7,15, 17	<input type="checkbox"/>	<input type="checkbox"/>	3+ ac	Possible tree planting in openings – mixed variety of trees. Consult with ODNR Service Forester or Athens SWCD on planting recommendations.
2018 -2028	20	<input type="checkbox"/>	<input type="checkbox"/>	3+ac	Cut grapevines from Walnut trees in this area
2023 & 2028	Whole Property	<input type="checkbox"/>	<input type="checkbox"/>		Next Site Visit – Woodland reviews are recommended at least once every five years, and no more than ten years, based upon the date of the last actual woodland evaluation conducted by your forester

Before entering a timber sale agreement, or conducting other forestry work that is not listed in your activity schedule, contact your forester first to ensure compliance with your approved woodland stewardship management plan.

Legend
Congrove_Property_Lines

Maintain property lines with steel fence posts and paint to discourage trespass issues.

Stand 1, 10 & 21
Continue to work on trails and roads
BMP's to control any erosion issues



Stand 19
cut & treat non-native
invasive species in this area

Stand 20
cut grapevines from
Walnut trees

Stand 7, 15, 17
Continue to rotationally mow
If not to be mowed - plant to trees

Charles W. Congrove Tract
Section 21 Fr 18, FR 30, FR 36
Waterloo Twp., Athens Co., OH
280.724 Acres
Activity Map

