

Woodland Stewardship Management Plan



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JUL 18 2024

Jill Davidson
Athens County Auditor

Owner's Information:

Owner: Harvey and Gail Berry

Farm Bill Program: EQIP

Signed: _____

Date: _____

County: Athens

Case Number: 05-1771

Contract Number & Item Number: 745E34240XP

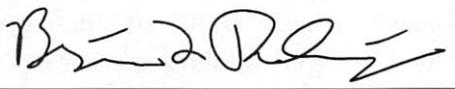
Preparer's Information:

Prepared by: Ben Robinson, CF

TSP Number: #23-24636

Expiration Date: 11/7/2026

I, as a TSP for NRCS Farm Bill Programs, certify that services provided: comply with all Federal, State, Tribal, and Local laws and requirements; meet applicable program requirements and recommended planned practices are based on NRCS conservation practice standards and specifications; are consistent with and meet the conservation program goals and objectives for which the program contract was entered into by the client; and incorporate alternatives that are both cost effective and appropriate to address the resource issues.

Signature: 

Benjamin Robinson

Date: 7/3/2024

Switchback Forestry & Ecosystem Management

7165 Beechwood Dr., Apt. E

Athens, OH 45701

(740)504-4785, SwitchbackForestry@gmail.com

NRCS Representative Signature:

Date:

This plan is valid for the period beginning **7/3/2024** and ending **7/3/2034**

Plan Status: Update (Previous plan expired 2/20/2024)

Owner Harvey & Gail Berry
 Address 14847 Harmony Rd.
Athens, OH 45701
 Phone 330.469.7803 Case Number 05-1771
 Cell 330.469.7803 Email Address Harvey.Berry@gmail.com
 County Athens Township/Village/City: Canaan Twp.
 Parcel(s): E020020022500, E020020022504, E020020022503, E010010035101,
E010010035102, E010010035103 (Harmony Hollow LLC), E010010035104
(Harmony Hollow LLC)
 Location: Property accessed at Owner Address listed above. Driveway located about ½ mile
west of the intersection of Harmony Rd. and Canaan Rd.

Woodland Stewardship Acreage: 177.2 Non-woodland Stewardship Acreage*: 11.3
 Total Property Acres 225.07 * Non-woodland acres for which stewardship recommendations are made.

This plan was written to qualify the landowner's woodland for the programs checked below:

- Ohio Forest Tax Law American Tree Farm Program
 Environmental Quality Incentives Program (EQIP) CAUV

Property coordinates (report in WGS 84, decimal degrees.)

Longitude: -82.014 Latitude: 39.327

Landowner Objectives

1. Improve and maintain quality wildlife habitat for: Deer, turkey, upland game birds, and non-game birds and mammals
2. Improve and maintain timber productivity in the forest, through active forest management
3. Improve forest health – removing non-native, invasive species and promoting native plants
4. Maintain adequate access through forest land for management and for recreation purposes
5. Maintain forestland in appropriate areas for aesthetic enjoyment

General Woodland Description

The Berry family has owned the property for about a decade, and has been managing the forestland for recreational values and wildlife habitat. Most of the property is retired dairy farm, along with a large field in the Hocking River bottom that is still currently planted in row crops. The forestland is a mix of successional stands, historically-forested stands, and riparian forest. In the recent past, many areas have been converted to diverse early-successional habitat and there are small openings and meadows scattered throughout the forest. There is a well-established network of trails that accesses all areas of the property. The forestland is located on a variety of sites and soils, and topography ranges from very steep to rolling. Elevation on the property ranges from 620 to 960 feet above sea level. There has been extensive management across the forestland in the past decade, primarily removal of invasive plants and grapevine control. The next decade of management will include more of this work, along with the introduction of other practices such as forest stand improvement and prescribed fire to diversify the forest ecosystems. Enhancing the native plant communities will continue to improve the wildlife, recreational opportunities, and future timber value across the property.

Inventory Method: Plot Sampling



Woodland Stand Map

Landowner	Harvey and Gail Berry	Date	6/28/2024
<p>“Prepared with assistance from USDA-Natural Resource Conservation Service” Assisted by TSP, Ben Robinson (#23-24636), Athens County, OH</p> <p>Map should be used as a reference for management only – not for legal or survey purposes. Property lines are approximate.</p>			



See next page for unit acreages



StandID	UnitName	Acres	Habitat
1	1a	2.6	Riparian Forest
1	1b	2.29	Riparian Forest
1	1c	6.37	Riparian Forest
1	1d	0.4	Riparian Forest
2	2a	1.15	Tree Planting
2	2b	0.56	Tree Planting
2	2c	1.34	Tree Planting
2	2d	0.56	Tree Planting
3	3a	1.03	Mesic - Forest
3	3b	1.28	Mesic - Forest
3	3c	3.77	Mesic - Forest
3	3d	2.42	Mesic - Forest
4	4	10.11	Mesic-Oak-Hickory Forest
5	5a	11.11	Mid-Successional - Forest
5	5b	1.07	Mid-Successional - Forest
5	5c	1.85	Mid-Successional - Forest
6	6a	2.57	Mesic-Oak-Hickory Forest
6	6b	0.42	Mesic-Oak-Hickory Forest
6	6c	3.09	Mesic-Oak-Hickory Forest
7	7a	3.7	Early-Successional - Woodland
7	7b	2.17	Mid-Successional - Forest
8	8	2	Mid-Successional - Forest
9	9a	2.49	Early-Successional - Woodland
9	9b	3.33	Mid-Successional - Forest
9	9c	1.92	Mid-Successional - Forest
10	10a	0.82	Mid-Successional - Forest
10	10b	1.93	Early-Successional - Woodland
10	10c	1.02	Mid-Successional - Forest
11	11a	3.1	Oak-Hickory Forest
11	11b	3.22	Oak-Hickory Forest
11	11c	3.81	Oak-Hickory Forest
11	11d	3.1	Oak-Hickory Forest
12	12a	1.93	Early-Successional - Woodland
12	12b	3.48	Mid-Successional - Forest
12	12c	1.53	Early-Successional - Woodland
13	13a	2.84	Mid-Successional - Forest
13	13b	2.49	Mid-Successional - Forest
14	14a	2.73	Mesic - Forest
14	14b	7.03	Mesic - Forest
14	14c	3.59	Mesic - Forest
15	15	4.9	Mid-Successional - Forest
16	16	10.98	Mesic - Forest
17	17	7.87	Mesic-Oak-Hickory Forest
18	18a	3.39	Mesic-Oak-Hickory Forest
18	18b	2.52	Mesic-Oak-Hickory Forest
18	18c	5.04	Mesic-Oak-Hickory Forest
18	18d	3.26	Mesic-Oak-Hickory Forest
19	19a	2.19	Oak-Hickory Forest
19	19b	4.65	Oak-Hickory Forest
19	19c	4.65	Oak-Hickory Forest
19	19d	5.57	Oak-Hickory Forest
19	19e	3.18	Oak-Hickory Forest
19	19f	4.04	Oak-Hickory Forest
19	19g	2.74	Oak-Hickory Forest
Early Successional		11.27	Early Successional - Grassland
Agriculture/Other		33.99	Agriculture/Other



Management Activity Schedule

Year(s) Suggested	Mgmt. Unit	Required Task?	Acres	Recommendations
2024-2026	2	<input type="checkbox"/>	3.6	Maintain tree planting with mowing between rows
2024	9a,10b,7a,12c	<input type="checkbox"/>	9.6	Reduce basal area by removing non-mast-producing trees and shrubs. Manage stand for "open woodland" structure. Target BA 20-40 sqft/ac. Create downed trees structure with debris. Plant native shrubs in pockets with debris.
2024	12a	<input type="checkbox"/>	1.9	Edgefeathering – Remove 60%+ of canopy to create "soft edge"
2024	15,16,17	<input type="checkbox"/>	23.7	Control invasive species with herbicide. Retreat for two years. Cut grapevines growing in AGS
2025	15	<input type="checkbox"/>	4.9	Control Japanese stiltgrass with herbicide
2025	8	<input type="checkbox"/>	2.0	Remove UGS by felling and/or herbicide. Target 20 sqft BA/ac to remove (buckeye, culls)
2025	9b	<input type="checkbox"/>	3.3	9b – Deaden yellow poplar, red maple, elm, and sugar maple to improve the native shrub layer, and herbaceous layer.
2025	9c	<input type="checkbox"/>	1.9	9c – Deaden shade tolerant midstory. Remove red maple, sugar maple and other mesic species from overstory to promote oak-hickory dominance
2025	10c	<input type="checkbox"/>	1.0	10c – Edgefeathering - Reduce basal area by removing non-mast-producing trees and shrubs.
2025	6b	<input type="checkbox"/>	0.4	Control Japanese stiltgrass with herbicide
2025-2026	19,6,4,13b,11b,11c	<input type="checkbox"/>	52.7	Control invasive species with herbicide. Cut grapevines growing in AGS
2026	"Camp Hill"	<input type="checkbox"/>	20.3	Prescribed fire during dormant season
2026	11a	<input type="checkbox"/>	3.1	Deaden shade-tolerant midstory. Remove midstory maple, beech, blackgum, ironwood, and pawpaw. Additionally, give co-dominant oaks a 3 or 4-sided release by removing co-dominant competitors.



2026	5,18	<input type="checkbox"/>	28.2	Control invasive species with herbicide. Retreat for two years. Cut grapevines growing in AGS
2026	19f	<input type="checkbox"/>	4.0	Deaden shade-tolerant midstory. Use felling and herbicide to increase horizontal cover in the understory. Additionally, deaden large cull trees with girdle/herbicide.
2026	19g	<input type="checkbox"/>	2.7	Crop tree release among sapling/pole-sized oaks. Deaden shade-tolerant midstory.
2026	19a	<input type="checkbox"/>	2.2	Deaden shade-tolerant midstory. Use felling and herbicide to increase horizontal cover in the understory.
2026	19d	<input type="checkbox"/>	5.6	Deaden shade-tolerant midstory. Use felling and herbicide to increase horizontal cover in the understory. Additionally, deaden large cull trees with girdle/herbicide.
2026	11b,11c	<input type="checkbox"/>	7.0	Deaden shade-tolerant midstory. Remove midstory maple, beech, blackgum, ironwood, and pawpaw. Use combination of felling and/or herbicide. Additionally, give co-dominant oaks a 3 or 4-sided release by removing co-dominant competitors.
2026	6a,6c	<input type="checkbox"/>	5.7	Crop tree release. Release oak, hickory, walnut by felling/girdling (w/ herbicide) competing trees.
2027	19b, 19c, 19e	<input type="checkbox"/>	12.5	Deaden shade-tolerant midstory. Use felling and herbicide to increase horizontal cover in the understory. Additionally, deaden large cull trees with girdle/herbicide.
2027	11d	<input type="checkbox"/>	3.1	Deaden shade-tolerant midstory. Remove midstory maple, beech, blackgum, ironwood, and pawpaw. Use combination of felling and/or herbicide. Additionally, give co-dominant oaks a 3 or 4-sided release by removing co-dominant competitors.
2027	6b	<input type="checkbox"/>	.4	Create group opening. Cut all UGS and allow vines to survive
2027	4	<input type="checkbox"/>	10.1	Deaden UGS by felling and/or herbicide. Target 40sqft BA/ac of UGS to remove.
2027	5b,5c,13 a	<input type="checkbox"/>	5.8	Control invasive species with herbicide. Retreat for two years. Cut grapevines growing in AGS
2028	5a	<input type="checkbox"/>	11.1	Pre-commercial thinning. UGS by felling and/or herbicide



2028	18b,18c	<input type="checkbox"/>	7.5	18b, 18c – Deaden midstory with felling and/or herbicide. Deaden maple and other shade-tolerant species up to 12”dbh
2028	16,17	<input type="checkbox"/>	~2-5	Locate pockets of UGS and fell trees to create downed tree structures
2028	12b	<input type="checkbox"/>	3.5	Pre-commercial thinning. UGS by felling and/or herbicide
2028	14	<input type="checkbox"/>	13.4	Control invasive species with herbicide. Retreat for two years. Cut grapevines growing in AGS
2029	“Antler Ridge”	<input type="checkbox"/>	20.0	Prescribed fire during dormant season
2029	14b,14c	<input type="checkbox"/>	10.6	Remove 20-30 sqft/ac of cull trees, buckeye, and other UGS.
2029	18a,18d	<input type="checkbox"/>	6.7	Cull tree removal by felling and/or herbicide. Target buckeye, beech and other poorly-formed trees. Target 10-20 sqft/ac to remove from the overstory
2030	All	<input checked="" type="checkbox"/>	222	Re-mark property boundary with oil-based paint
2030	5b, 5c	<input type="checkbox"/>	3	Edgefeathering. Enhance shrub layer and escape cover adjacent to field. Remove trees of low aesthetic and wildlife value near field edges.
2030	14a	<input type="checkbox"/>	2.7	Remove 20-30 sqft/ac of cull trees, buckeye, and other UGS.
2031	3	<input type="checkbox"/>	8.5	Encourage grapevine arbors
2032	“Gulch”	<input type="checkbox"/>	23.1-43.4	Prescribed fire during dormant season. Consider including with “Camp Hill” unit if appropriate to maintain a fire interval of 5-10 years.
2033	1c	<input type="checkbox"/>	6.4	Deaden invasive species with herbicide
	Whole Property	<input type="checkbox"/>	Next Site Visit – Woodland reviews are recommended at least once every five years, and plan updates once every ten years, based upon the date of the last 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

Addendums

