



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41082

Entry Year 2021

Acreage: 1,673

County Schoolcraft

Management Area: Escanaba Lake and Till Plain

Stand Examiner: Tori Irving

Legal Description:

T41N R17W Sections 2,11,14,15

Identified Planning Goals:

Vegetative management in the Garden Thompson Plains management area will emphasize the intensive timber management of the upland forest types within this area, such as the red pine management area along U.S.-2. The Thompson Plains, a large opening complex north of U.S.-2, is managed specifically for wildlife. Primary values associated with the plains are the maintenance of an herbaceous community suitable for species such as sharptailed grouse and upland sandpiper. Management will also protect unique areas and threatened, endangered and special concern species; and provide recreational opportunities. Timber management objectives include improving the age class distribution of aspen, red pine and jack pine; and increasing the proportion of young oak. Expected issues in this 10-year planning period are increased illegal off-road vehicle use; introduced pests and diseases, such as beech bark disease and emerald ash borer; and control of non-native species, such as autumn olive.

Soil and topography:

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Ownership within the compartment is fairly contiguous, immediately west of the compartment boundary there are numerous private homes and one mile to the east is the west shore of Indian Lake. There is a State owned gravel pit within Section 15 as well as a County Pit adjacent. In addition, there are several other gravel pits to the northwest. This area receives a high amount of illegal dumping. The Enbridge Gas Pipeline crosses section 15.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Most of section 2 lies within the Big Spring Deeryard and the southern end of section 14 is within an openland complex managed for openland species such as sharp-tailed grouse.

Watershed and Fisheries Considerations:

The northcentral region of this compartment contains a network of headwater tributaries which serve as a tributary to Indian Lake. The unnamed tributaries are all designated a Type 1 trout stream less than 50' width. A 300' buffer is recommended, for this network of stream reaches in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies just north of the Thompson Plains west of Indian Lake, and is divided by M-148. Aspen is a dominant species in stands here. Past management practices have created diversity in age classes across the landscape; this management scheme will continue, providing multiple age classes for a variety of wildlife species. Some northern hardwoods stands are also present. White pine as well as red and jack pines are components within many of the stands. This compartment presents one of the better opportunities for game management in the Shingleton Forest Area. The wildlife goals include maintaining diversity in age and distribution of the aspen stands, maintaining birch, oak, hemlock, and cedar where present, maintaining and encouraging species and structural diversity in northern hardwoods, and providing super-canopy white pine.

Mineral Resource and Development Concerns and/or Restrictions

Numerous active aggregate operations (sand & gravel and bedrock limestone/dolostone) exist in the area. The state-owned Roberts Pit is within the compartment and is currently leased to the County Road Commission. There is potential

for additional sand & gravel and limestone/dolostone in the compartment. There is no known metallic mineral potential in this area no known potential for economic hydrocarbon production in the UP.

Vehicle Access:

M-149 a State Highway runs through the compartment and there are many other two-tracks which provide excellent access to the compartment.

Survey Needs:

This compartment will require some survey work to carry out treatments along private property boundaries.

Recreational Facilities and Opportunities:

There is a snowmobile trail that runs through sections 2, 11 and 15. In addition, the West Shore Campground of Indian Lake State Park sits 1 mile to the east and Palm's Book State Park is a few miles to the north. There are a growing number of equestrian users within the area as well.

Fire Protection:

The compartment has very good access and is located fairly close to the Thompson Fire Garage. The openlands to the south are generally managed through prescribed burning activities.

Additional Compartment Information:

The following reports from the Inventory are attached:

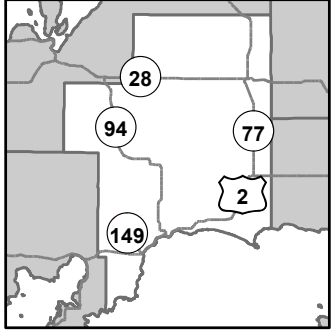
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

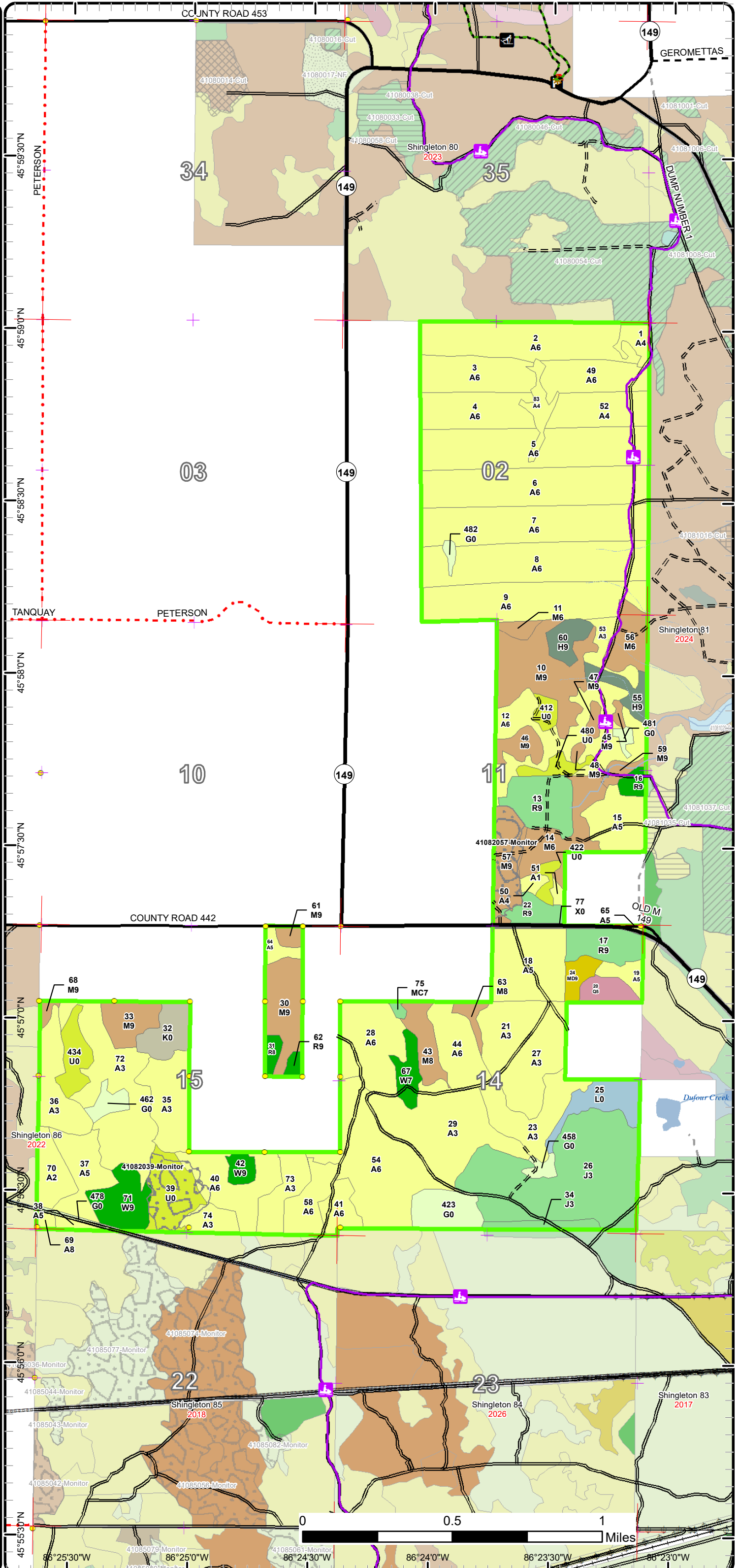
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 82
 T41N, R17W, Sec. 2, 11, 14, 15
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Escanaba Lake and Till Plain
 YOE: 2021
 Acres: 1673.2 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 9/20/2023
 Map Phase: Post Review

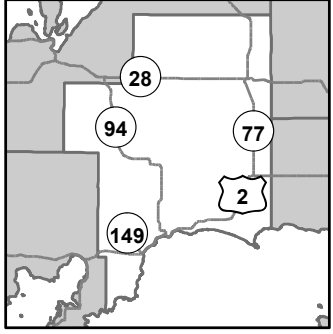


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Culvert
- Pipeline
- Powerline
- Compartment Boundary
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 720 - Exposed Rock

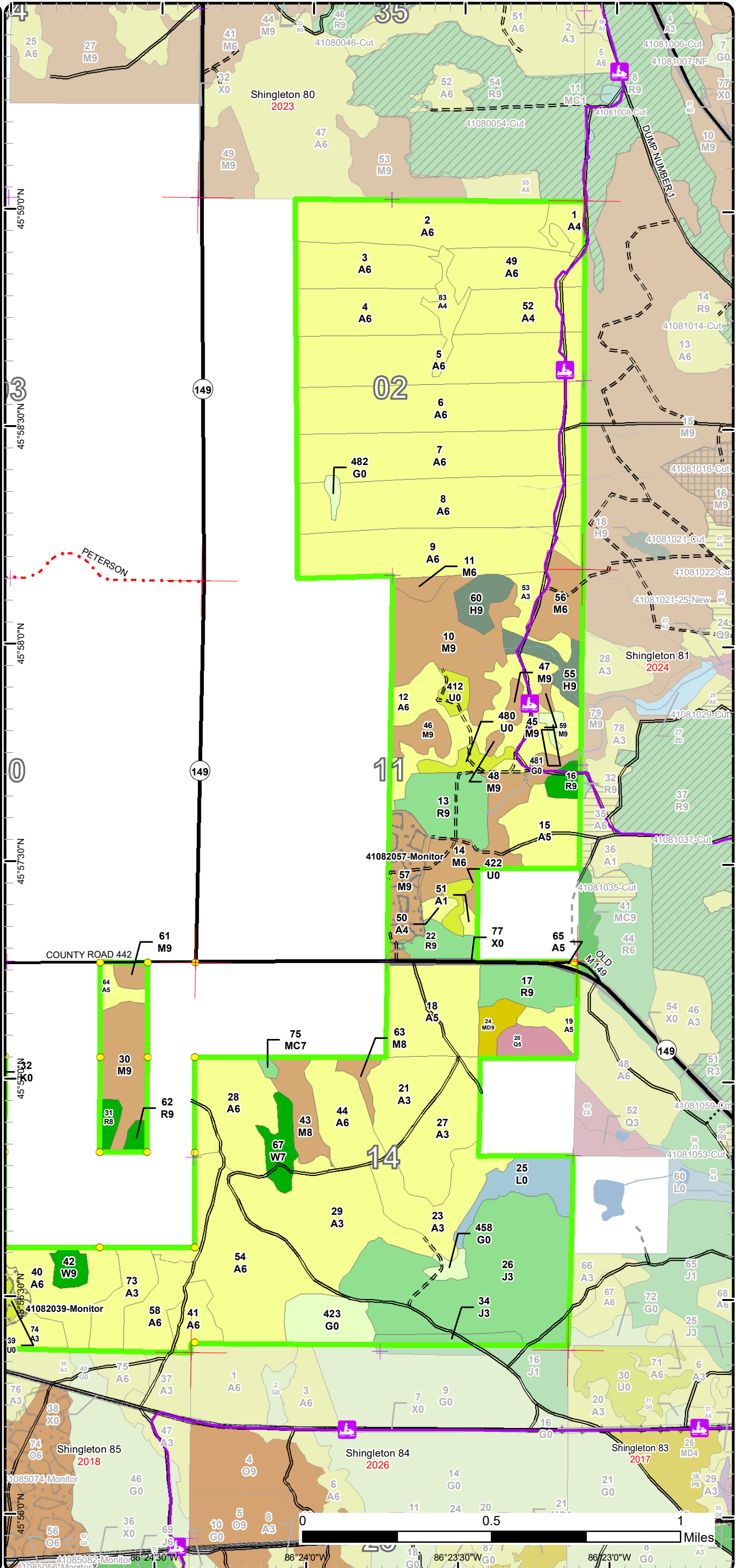


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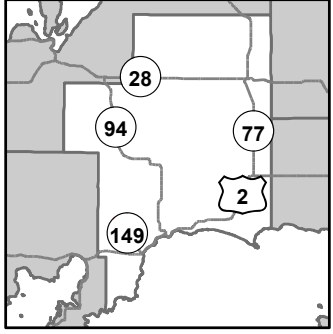


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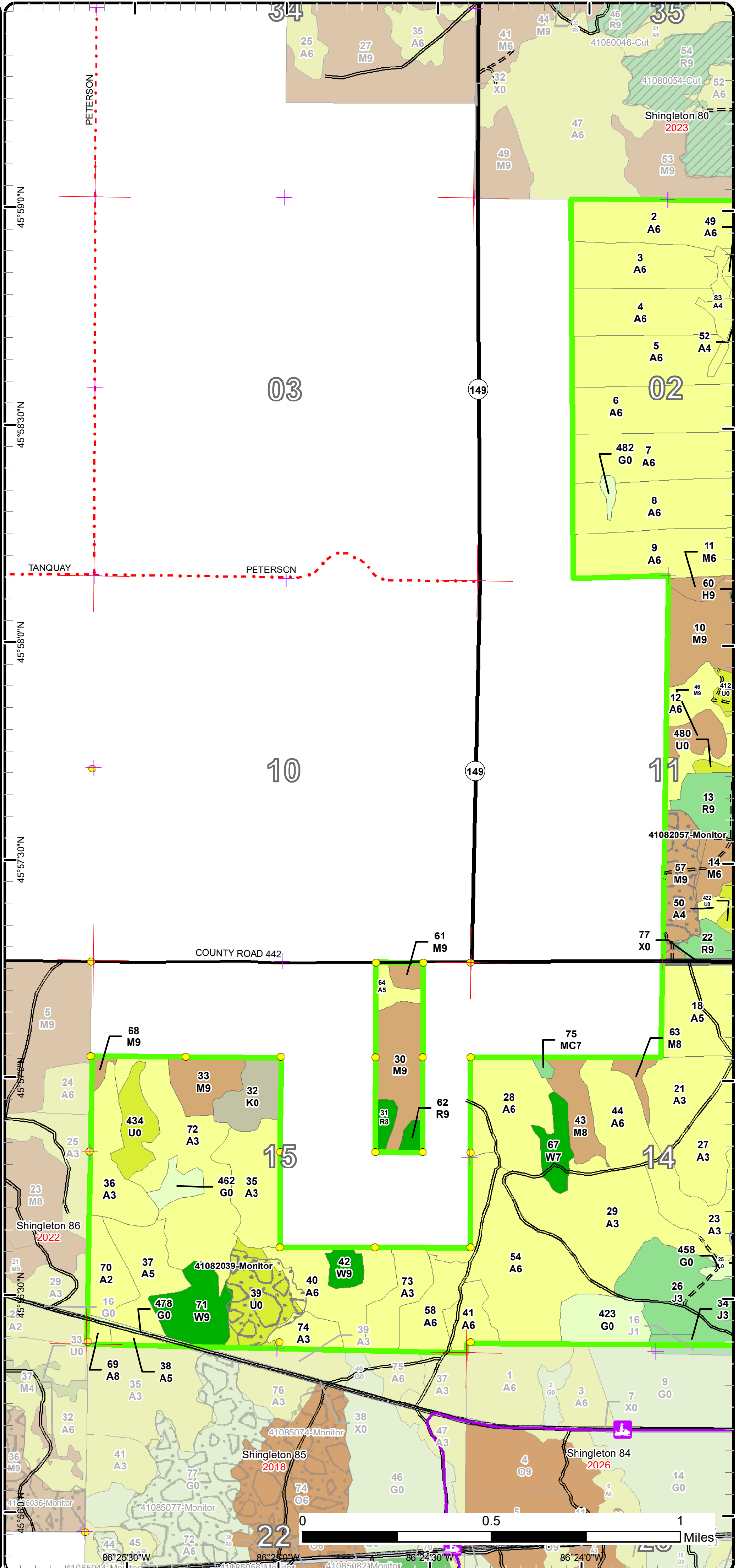


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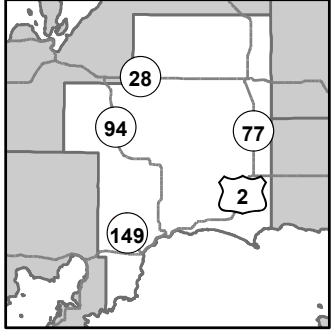


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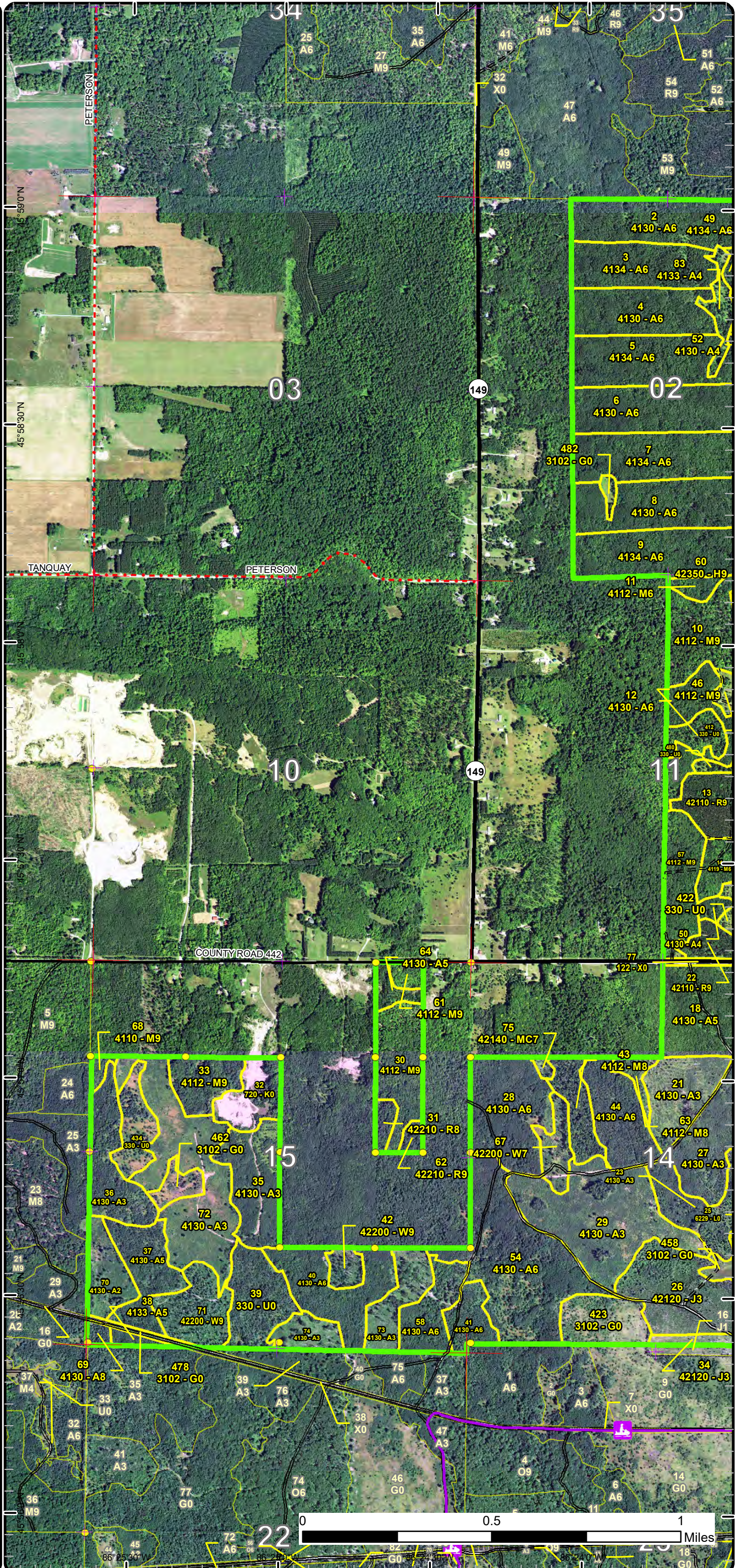


Stand Boundary Map

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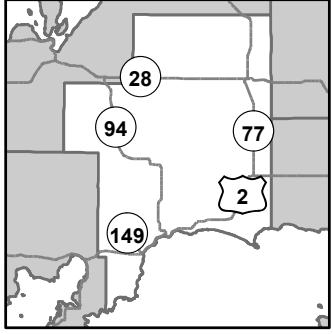


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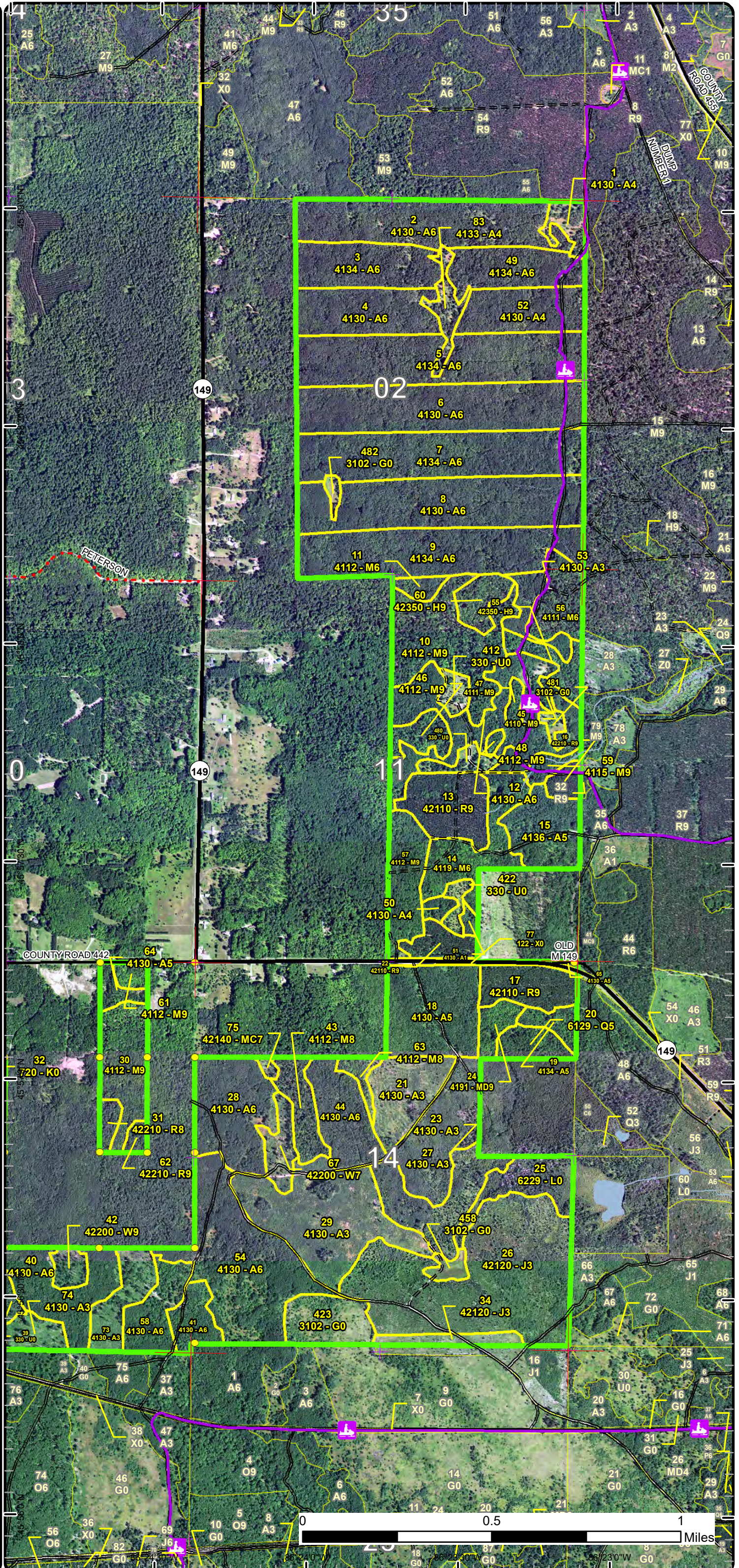


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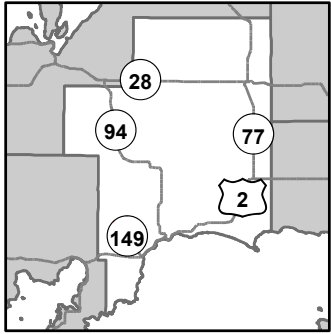


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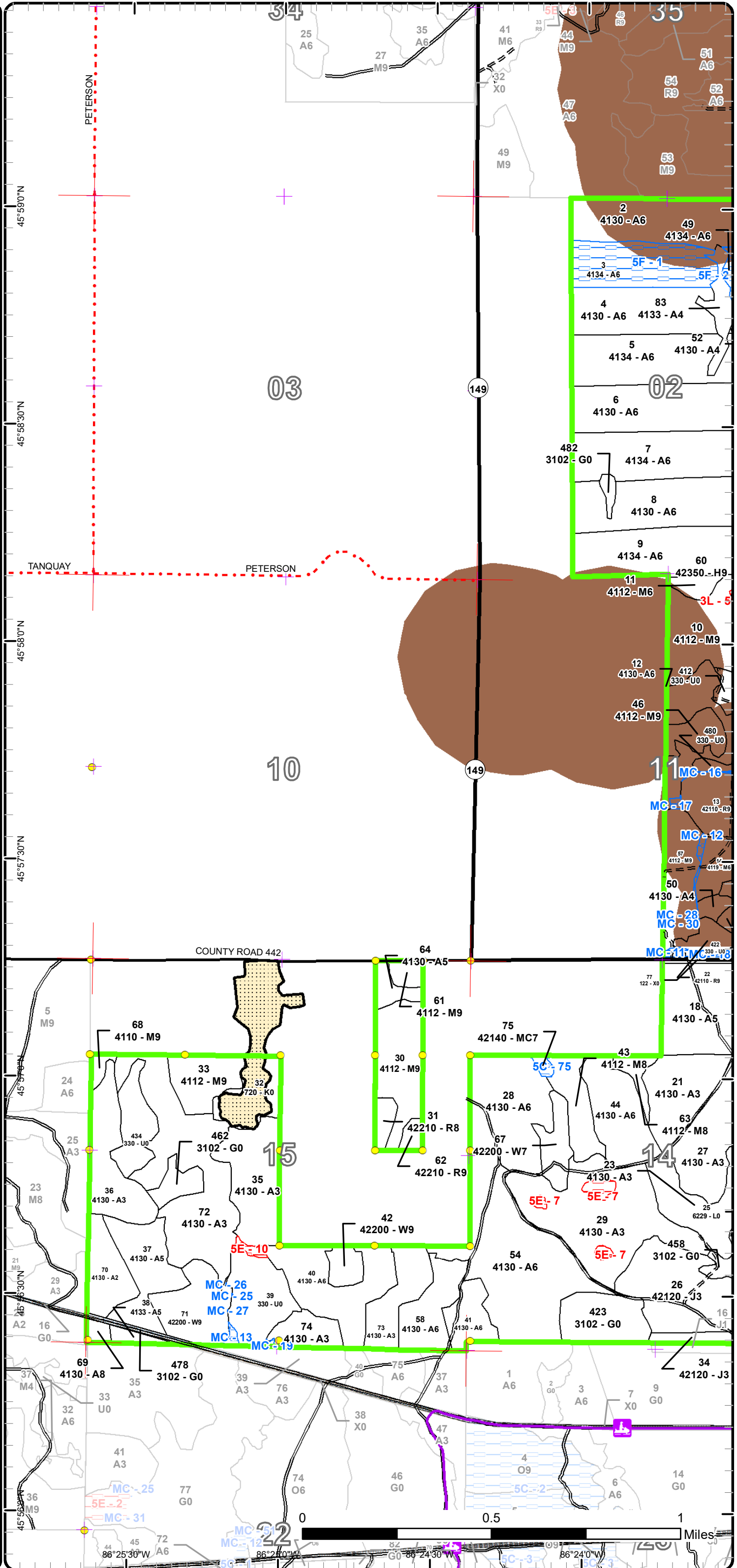


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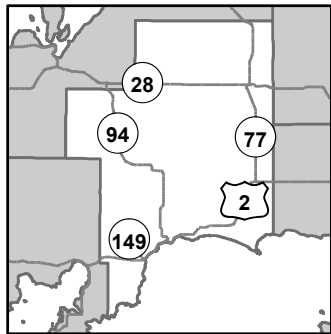


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- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Unavailable
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Deer Winter Range
- Sand or Gravel Pit

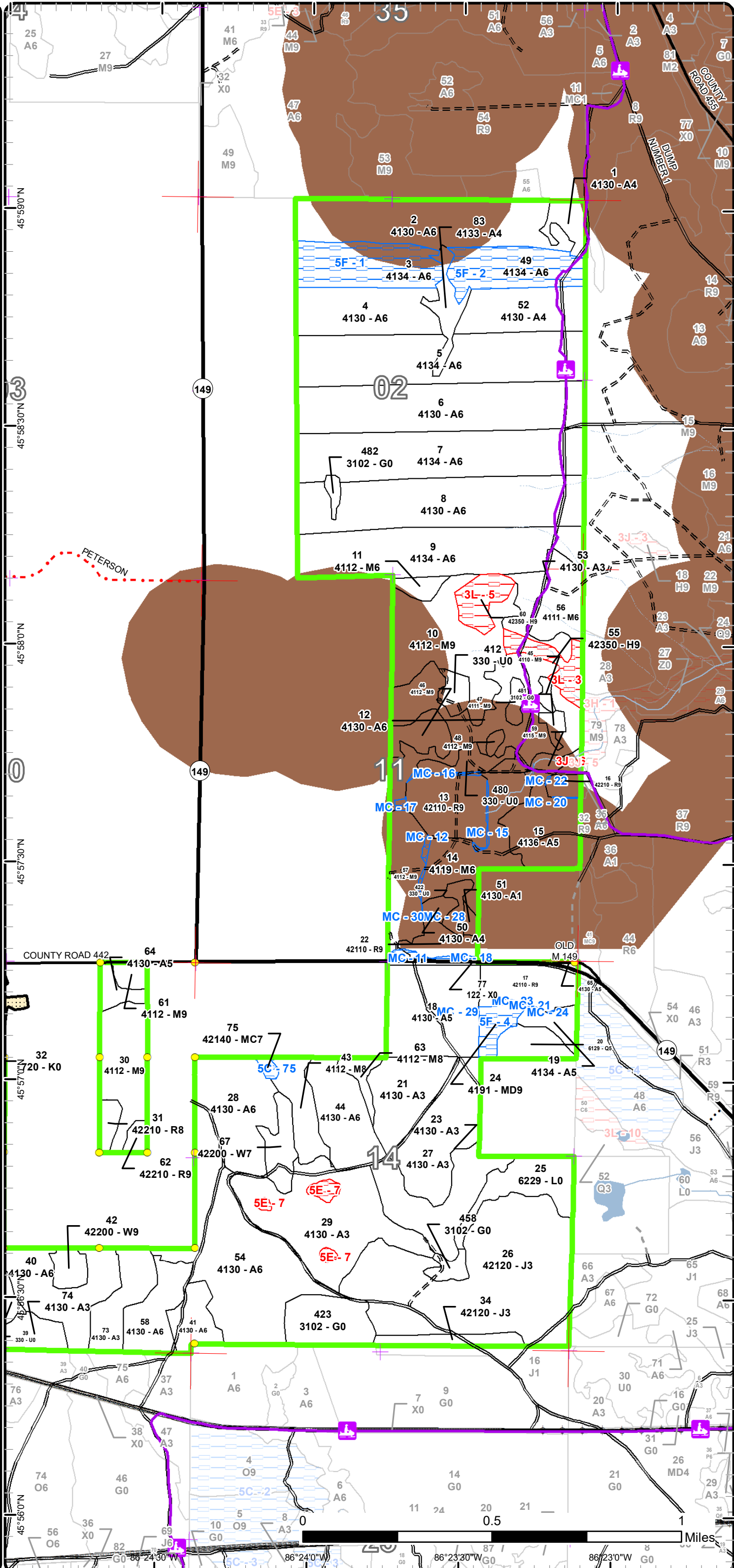


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- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- SCA
- Cold Water Streams
- Deer Winter Range
- Sand or Gravel Pit



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	96	80	87	171	428	244	0	0	0	0	0	0	0	0	0	0	7	1112
Exposed Rock	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Hemlock	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	0	20
Herbaceous Openland	36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	36
Jack Pine	0	0	108	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	108
Low-Density Trees	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	52
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9
Lowland Shrub	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Northern Hardwood	0	0	0	0	4	0	0	0	0	40	5	0	0	0	0	0	0	144	192
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
Red Pine	0	0	0	0	0	0	9	23	0	29	0	0	0	0	0	0	0	0	61
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	31	36
Total	127	96	188	87	175	428	253	23	0	75	16	0	0	0	10	0	0	198	1672



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 82
Total Compartment Acres: 1,673

Commercial Harvest -
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	0	0	0	0	0	0	44	0	0	44
Total	0	0	0	0	0	0	44	0	0	44



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

39	41082039-Monitor	23.9	330 - Low-Density Trees	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen and a mix of species currently found on-site.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 3 /23/2023</p>											
57	41082057-Monitor	19.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	99	111-140	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> A mix of northern hardwood species.</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 3 /23/2023</p>											

Total Treatment Acreage Proposed: 43.6

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 82

Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
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Dominant Site Conditions

				5C	5F	MC	3J	3L	5E	
1112	1056	53	4	Aspen	53	0			4	
15	15	0	0	Exposed Rock						
20	0	0	20	Hemlock				20		
35	35	0	0	Herbaceous Openland						
108	108	0	0	Jack Pine						
52	50	1	1	Low-Density Trees		1			1	
9	9	0	0	Lowland Conifers						
18	18	0	0	Lowland Shrub						
7	0	7	0	Mixed Upland Deciduous		7				
193	191	2	0	Northern Hardwood		2				
1	0	1	0	Planted Mixed Pines	1					
61	58	3	0	Red Pine		3	0			
4	4	0	0	Urban						
36	36	0	0	White Pine		0				
1,673	1,581	67	25	Total Forested Acres	1	60	6	0	20	5
	95%	4%	1%	Relative Percent						

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5F: Evaluated for Forest Health Considerations	29	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Best to deal with stand during normal inventory process due to management direction of aspen.							
2	Available	5F: Evaluated for Forest Health Considerations	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Best to deal with during normal inventory due to management direction of aspen strips.							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 82

Year of Entry: 2021

3	Unavailable	3L: Other wildlife concerns	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: hemlock							
4	Available	5F: Evaluated for Forest Health Considerations	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	Minor Change in Acreage	1				
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 82

Year of Entry: 2021

12	Available	Minor Change in Acreage	1	
Comments:				
13	Available	Minor Change in Acreage	1	
Comments:				
15	Available	Minor Change in Acreage	1	
Comments:				
16	Available	Minor Change in Acreage	1	
Comments:				
17	Available	Minor Change in Acreage	1	
Comments:				
18	Available	Minor Change in Acreage	0	
Comments:				
19	Available	Minor Change in Acreage	0	
Comments:				
20	Available	Minor Change in Acreage	0	
Comments:				

21 Available Minor Change in Acreage 0

Comments:

22 Available Minor Change in Acreage 0

Comments:

23 Available Minor Change in Acreage 0

Comments:

24 Available Minor Change in Acreage 0

Comments:

25 Available Minor Change in Acreage 0

Comments:

26 Available Minor Change in Acreage 0

Comments:

27 Available Minor Change in Acreage 0

Comments:

28 Available Minor Change in Acreage 0

Comments:

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 82

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29	Available	Minor Change in Acreage	0				
Comments:							
30	Available	Minor Change in Acreage	0				
Comments:							
75	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Schoolcraft County Road Commission Comments	Mineral Resource Area	Sand or Gravel Pit	SCA	26



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	4130 - Aspen	Poletimber Poor	7.3	40	1-50	N/A	Stand is slowly filling in with aspen.																														
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2	4130 - Aspen	Poletimber Well	53.3	40	1-50	N/A																					
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3	4134 - Aspen, Spruce/Fir	Poletimber Well	28.5	50	81-110	N/A																																		
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4	4130 - Aspen	Poletimber Well	29.3	40	1-50	N/A																					
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6	4130 - Aspen	Poletimber Well	61.6	40	1-50	N/A																					
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9	4134 - Aspen, Spruce/Fir	Poletimber Well	56.9	50	81-110	N/A																																																												
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10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	42.2	94	81-110	N/A	[6/3/2016] Stand was cut as part of Silver Creek Hardwoods Sale #41-036-11-01.																																																											
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11	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.1	35	Immature	N/A																																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13	42110 - Planted Red Pine	Sawtimber Well	23.4	69	111-140	N/A	OPIC - FMD: Stand first thinned in 1983 Rainbow Block Stand second thinned in 1994 Headwater Red Pine Stand third thinned in the spring of 2003 Silver Creek Memorial No winter logging due to the snowmobile trail. 9/27/11 BB Stand is now on proposal Bread Box Pine 35-11, Unit 1. Actual acres = 24 Residual BA = Red Pine 132' and red maple 6' [10/3/2013 TI] Sale is closed. TCR date 6/21/13. 3/23/2023: Stand harvested with Deer Tick Circus, 2022
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Pole	8	
Red Pine	90	Log/Pole	12	69
Red Maple	5	Log	10	

14	4119 - Mixed Northern Hardwoods	Poletimber Well	26.2	83	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Pole	9	
Sugar Maple	40	Pole	9	83
Beech	5	Pole/Sapling	6	
Red Pine	15	Pole	9	
Hemlock	10	Log/Pole	10	
Black Cherry	5	Pole	8	
Red Maple	20	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Low	5 - 10 feet	Sapling
Hemlock	Trace	< 5 feet	Sapling

15	4136 - Aspen, Mixed Conifer	Poletimber Medium	22.6	35	Immature	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	80	Pole/Sapling	6	35
White Spruce	10	Pole/Sapling	6	
Red Pine	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
White Pine	Low	Variable	Sapling

16	42210 - Natural Red Pine	Sawtimber Well	4.7	83	81-110	N/A	OPIC - FMD: Include C-81 stand 37 same prescription. Stand first thinned in 1983 Rainbow Block Stand second thinned in 1994 Headwater Red Pine Stand third thinned in the spring of 2003 Silver Creek Memorial No winter logging due to the snowmobile trail. 3/23/2023: Stand harvested with Deer Tick Circus, 2022 9/27/11 BB Stand is now on proposal Bread Box Pine 35-11, Unit 2. Actual acres = 4 Residual BA = Red Pine 111', basswood 2' and red maple 3' [10/3/2013 TI] Sale is closed. TCR date 6/21/13.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	12	83

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling

17	42110 - Planted Red Pine	Sawtimber Well	17.1	82	111-140	N/A	9/27/11 BB Stand is now on proposal Bread Box Pine 35-11, Unit 4. Actual acres = 16 Residual BA = Red Pine 124' [10/3/2013 TI] Sale is closed. TCR date 6/21/13. 3/23/2023: Stand harvested with Deer Tick Circus, 2022
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log/Pole	12	82



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
18	4130 - Aspen	Poletimber Medium	38.1	41	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		90	Pole/Sapling	6	41	White Spruce	High	Variable	Sapling
White Spruce		10	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
19	4134 - Aspen, Spruce/Fir	Poletimber Medium	6.7	47	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		45	Pole/Sapling	6	47	Balsam Fir	Low	Variable	Sapling
Balsam Fir		20	Pole/Sapling	6		Red Maple	Low	Variable	Sapling
Red Maple		35	Pole/Sapling	6					
20	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	9.3	69	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		30	Log/Pole	10		Red Maple	Low	Variable	Sapling
Balsam Fir		40	Pole/Log	9	69	Balsam Fir	Low	Variable	Sapling
Yellow Birch		5	Log/Pole	10					
Hemlock		15	Log/XLog	14					
Red Maple		10	Pole	8					
21	4130 - Aspen	Sapling Well	23.0	10	Immature	N/A	OPIC - FMD: Aspen, fir and birch are mature, leave retention along drainages within stand, stand will regenerate to some portion of the current species mix. [1/11/09 bb] Compartment Review Decision was to put cultural codes back on to TSI stand, actual work would be funded by WLD. 9/26/11 BB Stand is now on proposal, 41037-11-01, 23 acres, residual Ba = scattered hemlock and 6' of cedar as well as 2 retention patches excluded in green. Due to a change in biologist TSI will be covered with a 2" spec and stand will be evaluated after harvest if follow-up is needed. [10/4/2013 TI] Sale is closed. TCR Date 8/12/2013.		
Canopy Species		% Cover	Size Class	DBH	Age				
Bigtooth Aspen		50	Sapling	1	10				
Red Maple		20	Sapling	1					
Quaking Aspen		30	Sapling	1					
22	42110 - Planted Red Pine	Sawtimber Well	8.9	57	111-140	N/A	9/27/11 BB Stand is now on proposal Bread Box Pine 35-11, Unit 3. Actual acres = 9 Residual BA = Red Pine 116 3/23/2023: Stand harvested with Deer Tick Circus, 2022		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		98	Log/Pole	10	57	Beech	Low	< 5 feet	Sapling
Red Oak		2	Log/Pole	14					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
23	4130 - Aspen	Sapling Well	27.9	20	Immature	N/A	OPIC - FMD: Stand was cut in the spring of 2003 and was suppose to be a white pine seed tree cut; see original notes below. Stand is fully regenerated to aspen and does have a handful of red and white pine logs remaining. Underburn after cut. No salvage after burn due to char. [6-2-04 BB] Part of Danko Sale 41-030-01-01, Unit 2, Sale is now closed, waiting for underburn. (10/18/05 AP) Very few white pine seed trees remain. Stand is now a fully stocked aspen stand 10 feet tall. Burn should be cancelled. (12/28/05) FTP canceled with a letter. Change in management objective from white pine to aspen.																																						
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Bigtooth Aspen	100	Sapling	3	20																																									
24	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	7.3	99	81-110	N/A	Vernal pond within stand.																																						
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25	6229 - Mixed lowland shrub	Nonstocked	17.8		Unspecified	No																																							
26	42120 - Planted Jack Pine	Sapling Well	100.9	15	Immature	N/A	OPIC - FMD: [6-2-04 BB] Part of Danko Sale 41-030-01-01, Units 3&4, Sale is now closed, waiting for scarification. (5/28/08 AP) Trenched and planted in spring 2008. Needs regen check in 2009. (6/15/09 AP) 3 year regen check needed in 2011. 2009 check - 1079 jack pine (6/7/2011 AP) 2011 regen counts showed excellent regeneration. FTP is closed.																																						
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27	4130 - Aspen	Sapling Well	32.0	20	Immature	N/A	OPIC - FMD: LEAVE CEDAR & HEMLOCK, SOME BIRCH. [6-2-04 BB] Part of Danko Sale 41-030-01-01, Unit 1 cut spring 03, Sale is now closed, waiting for TSI. (5/22/06AP) TSI COMPLETE CLOSE FTP Residual mainly on east near pvt, white birch seed trees have mostly died.																																						
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28	4130 - Aspen	Poletimber Well	35.9	30	Immature	N/A																																							
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29	4130 - Aspen	Sapling Well	57.1	10	Immature	N/A	[1/11/09 bb] Compartment Review Decision was to put cultural codes back on to TSI stand, actual work would be funded by WLD.																																											
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30	4112 - Maple, Beech, Cherry Association	Sawtimber Well	24.6	88	51-80	N/A	OPIC - FMD: Nice stand of hardwood with excellent hard maple potential. Quite a bit of aspen not showing on plots. Treat stand and release poles. Stand will need survey work. There are many mounds within stand which were actually caused by excavating for gravel many years ago (30+).																																											
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31	42210 - Natural Red Pine	Sawtimber Medium	4.0	86	51-80	N/A	4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 2. Residual BA = white pine 13', red pine 27'																																											
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32	720 - Exposed Rock	Nonstocked	15.5		Unspecified	No	OPIC - FMD: ROBERTS PIT, entire acreage is not rock but mostly disturbed.																																											
33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	15.0	84	81-110	N/A																																												
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35	4130 - Aspen	Sapling Well	26.9	21	Immature	N/A	Roberts Pit Aspen Sale, cut spring 2002 and TSI'd by inmates, road was also planted by inmates with red pine but most of them died. [5-20-02] Stand cut in spring of 2002 and TSI'd by inmates, real acres is 28																				
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36	4130 - Aspen	Sapling Well	24.2	30	Immature	N/A	Blackberry Aspen sale cut 1993.																				
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39	330 - Low-Density Trees	Nonstocked	23.5	0	Unspecified	413 - Aspen	ASPEN PEALERS CUT 1965; jack pine on lower ground. 3/23/2023: Stand harvested with Deer Tick Circus, 2022																				
40	4130 - Aspen	Poletimber Well	30.1	43	1-50	N/A																					
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42	42200 - Natural White Pine	Sawtimber Well	5.8	86	111-140	N/A	OPIC - FMD: Aspen is over-mature, do a shelterwood seed cut and manage for a mixed stand. 4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 5. Residual BA = white pine 22', red pine 2' Stand was cut as part of Robert's Pit Mix Sale # 41-038-11-01. TCR date 5/15/2017.																				
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43	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	13.4	86	51-80	N/A	9/26/11 BB Stand is now on proposal, 41037-11-01, 14 acres, residual Ba = hemlock 3', white pine 1', basswood 1', cherry 1', beech 12', red maple 38', hard maple 19', aspen 1', red pine 2', paper birch 3'. 81 total Appx 1/2 of the red pine was left. [10/4/2013 TI] Sale is closed. TCR Date 8/12/2013.																																									
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44	4130 - Aspen	Poletimber Well	23.9	38	Immature	N/A	OPIC - FMD: Very nice aspen stand																																									
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45	4110 - Sugar Maple Association	Sawtimber Well	1.6	83	111-140	N/A	OPIC - FMD: Small even aged pole stand, do a selection cut to make some canopy gaps to move the stand toward all-aged. No winter logging due to the snowmobile trail. 9/27/11 bb Stand is now on proposal, Silver Creek Hardwoods 36-10-01, Units 4. Retention left in drains. Residual Basal Area = hard maple 60', red maple 20', beech 5' Actual acres = 2																																									
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46	4112 - Maple, Beech, Cherry Association	Sawtimber Well	8.7	83	51-80	N/A	OPIC - FMD: Small even aged pole stand, do a selection cut to make some canopy gaps to move the stand toward all-aged. No winter logging due to the snowmobile trail. 9/27/11 bb Stand is now on proposal, Silver Creek Hardwoods 36-10-01, Units 4. Residual Basal Area = hard maple 39', red maple 20', cherry 3', hemlock 6', beech 4', yellow bich 1' and basswood 1', white ash 4'. Actual acres = 8																																									
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47	4111 - S.Maple, Hard Mast Association	Sawtimber Well	2.7	83	111-140	N/A	OPIC - FMD: Small even aged pole stand, do a selection cut to make some canopy gaps to move the stand toward all-aged. No winter logging due to the snowmobile trail. 9/27/11 bb Stand is now on proposal, Silver Creek Hardwoods 36-10-01, Units 4. Residual Basal Area = hard maple 60', hemlock 15', beech 5'. Actual acres = 2																																									
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48	4112 - Maple, Beech, Cherry Association	Sawtimber Well	1.4	83	111-140	N/A	OPIC - FMD: Small even aged pole stand, do a selection cut to make some canopy gaps to move the stand toward all-aged. No winter logging due to the snowmobile trail. 9/27/11 bb Stand is now on proposal, Silver Creek Hardwoods 36-10-01, Units 4. Residual Basal Area = hard maple 20', red maple 30', hemlock 10', ironwood 10'. Actual acres = 1																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	4134 - Aspen, Spruce/Fir	Poletimber Well	24.0	50	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Basswood		5	Pole/Sapling	7		Balsam Fir	Density: Medium, Avg. Height: Variable, Size: Sapling
Bigtooth Aspen		50	Pole	7	50		
Black Cherry		5	Pole/Sapling	6			
Balsam Fir		40	Pole/Sapling	6			
50	4130 - Aspen	Poletimber Poor	2.9	36	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		100	Sapling	3	36		
51	4130 - Aspen	Sapling Poor	1.8	36	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		100	Sapling	3	36		
52	4130 - Aspen	Poletimber Poor	24.4	40	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		50	Pole/Sapling	6	40		
Quaking Aspen		40	Pole/Sapling	6			
Balsam Fir		10	Sapling/Pole	4			
53	4130 - Aspen	Sapling Well	9.0	35	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		100	Sapling	3	35		
54	4130 - Aspen	Poletimber Well	63.3	44	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		90	Pole/Sapling	5	44		
White Pine		5	Log/Pole	10			
Red Oak		5	Pole	8			
55	42350 - Upland Hemlock	Sawtimber Well	10.0	93	141-170	N/A	Stand encompasses a drainage.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		5	Pole/Sapling	6		Balsam Fir	Low, Variable, Sapling
Sugar Maple		5	Log/Pole	10		Red Maple	Low, Variable, Sapling
Red Maple		30	Log/Pole	10			
Hemlock		60	Log/Pole	12	93		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
56	4111 - S.Maple, Hard Mast Association	Poletimber Well	16.3	83	81-110	N/A	OPIC - FMD: Pole stand of varying quality, protect drainage that runs through stand. Stand is even aged, do a selection cut to make canopy gaps to move stand toward all aged system. No winter logging due to the snowmobile trail. 9/27/11 bb Stand is now on proposal, Silver Creek Hardwoods 36-10-01, Units 3. Retention left in drains. Residual Basal Area = hard maple 52', red maple 27', beech 3', yellow bich 5'. Actual acres = 11																																							
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57	4112 - Maple, Beech, Cherry Association	Sawtimber Well	21.3	99	111-140	N/A	There is not a lot of understory in the stand. 3/23/2023: Stand harvested with Deer Tick Circus, 2022. The western portion against the private line had not been marked. About 2 or 3 chains of hardwood adjacent to the blue line was not harvested.																																							
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58	4130 - Aspen	Poletimber Well	17.2	43	1-50	N/A																																								
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59	4115 - Y.Birch, Hemlock NH	Sawtimber Well	4.5	93	81-110	N/A	Stand is the Headwaters of Silver Creek.																																							
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60	42350 - Upland Hemlock	Sawtimber Well	9.6	133	171-200	N/A																																								
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61	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.8	88	111-140	N/A																																								
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62	42210 - Natural Red Pine	Sawtimber Well	2.9	86	111-140	N/A	4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 2. Residual BA = white pine 13', red pine 27'																																									
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64	4130 - Aspen	Poletimber Medium	5.2	49	1-50	N/A																																										
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67	42200 - Natural White Pine	Sawtimber Poor	9.9	92	1-50	N/A	OPIC - FMD: Stand was once a jack pine stand but it is over-mature and the jack pine has fallen out, the aspen is also over-mature. The white pine within stand is 2 aged. Do a seedtree cut allowing the aspen to regenerate and manage for a mixed stand. Leave legacy white pine as well as smaller diameter white pine.																																									
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68	4110 - Sugar Maple Association	Sawtimber Well	2.2	83	81-110	N/A																																										
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70	4130 - Aspen	Sapling Medium	14.9	7	Immature	N/A	<p>OPIC - FMD: Southern end has some cabbage white pine, exclude this area for retention. Western line may be off due to old adjacent sale. Leave some white pine throughout stand as well and manage for a mixed stand as it currently is.</p> <p>[1/11/09 bb] Compartment Review Decision was to put cultural codes back on to TSI stand, actual work would be funded by WLD.</p> <p>4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 9. Residual BA = scattered green trees Due to change in biologist and loss of funding we are trying to accomplish TSI with 2" sale spec.</p>																										
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71	42200 - Natural White Pine	Sawtimber Well	20.5	84	111-140	N/A	<p>OPIC - FMD: Stand is a 2 aged pine stand, the aspen and maple within stand are mature. Manage stand as a mixed pine aspen stand by doing a shelterwood seed cut to which will perpetuate the pine and allow aspen to regenerate.</p> <p>4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 8.. Residual BA = white pine 27', red pine 5'</p> <p>Stand was cut as part of Sale #41-038-11-01 Robert's Pit Mix. TCR Date 5/15/2017.</p>																										
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72	4130 - Aspen	Sapling Well	55.2	6	Immature	N/A	<p>OPIC - FMD: Stand was partially cut by aspen peelers in 1965 creating a 2 aged stand almost. The younger aged stuff could hold but the older stuff won't. Some jack pine within stand.[1/11/09 bb] Compartment Review Decision was to put cultural codes back on to TSI stand, actual work would be funded by WLD.4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 3 and 4. Residual BA = scattered green painted trees. Due to change in biologist and loss of funding we are trying to accomplish TSI with 2" sale spec.Stand was cut as part of Robert's Pit Mix Sale # 41-038-11-01. TCR date 5/15/2017.</p>																										
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73	4130 - Aspen	Sapling Well	16.3	6	Immature	N/A	<p>OPIC - FMD: South end is extremely nice aspen. Do not cut Oak, it occurs in the middle and to the north.</p> <p>[1/11/09 bb] Compartment Review Decision was to put cultural codes back on to TSI stand, actual work would be funded by WLD.</p> <p>4/24/12 bb Stand is now on proposal 38-11 "Roberts Pit Mix", Unit 6. Residual BA = scattered green painted trees. Due to change in biologist and loss of funding we are trying to accomplish TSI with 2" sale spec.</p> <p>Stand was cut as part of Robert's Pit Mix Sale # 41-038-11-01. TCR date 5/15/2017.</p>																										
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74	4130 - Aspen	Sapling Well	9.5	6	Immature	N/A	OPIC - FMD: Do not cut Oak.																				
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75	42140 - Planted Mixed Pine	Sawtimber Poor	1.4	93	1-50	N/A	OPIC - FMD: Small stand of mature red pine clearcut and replant, leave a few mature pine. Due the size of the stand it was decided at pre-review to change cut type to seedtree and cut in the summer to get the soil scuffed.																				
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77	122 - Road/Parking Lot	Nonstocked	4.5		Unspecified	No																					
83	4133 - Aspen, Mixed Pine	Poletimber Poor	8.7	50	1-50	N/A																					
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412	330 - Low-Density Trees	Nonstocked	4.8		Unspecified	No	OPIC - FMD: Some cherry and maple in stand.																				
422	330 - Low-Density Trees	Nonstocked	3.9		Unspecified	No	OPIC - FMD: Looks like some red pine was plante in stand 12 years ago or so.																				
423	3102 - Grass	Nonstocked	18.3		Unspecified	No																					
434	330 - Low-Density Trees	Nonstocked	13.5		Unspecified	No	Stand being encroached with aspen, cherry and white pine.																				
458	3102 - Grass	Nonstocked	3.9		Unspecified	No																					
462	3102 - Grass	Nonstocked	6.3		Unspecified	No	Stand being encroached with aspen, cherry and red pine jack pine.																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
478	3102 - Grass	Nonstocked	2.6		Unspecified	No	Enbridge Gas Pipeline
480	330 - Low-Density Trees	Nonstocked	6.4		Unspecified	No	
481	3102 - Grass	Nonstocked	2.5		Unspecified	No	Some cherry and maple in stand.
482	3102 - Grass	Nonstocked	2.0		Unspecified	No	