



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41107

Entry Year 2026

Acreage: 2,564

County Schoolcraft

Management Area: Grand Marais Moraine Complex

Stand Examiner: Sheila Clark

Legal Description:

T47N R13W Sections 22, 23, 27, 34

Identified Planning Goals:

The Kingston Plains and the Danaher Plains are large openings that are managed for a suite of open-land species including sharp-tailed grouse, merlin and upland sandpiper. Vegetative management in the Danaher Kingston Outwash management area will emphasize maintaining these large opening complexes; providing timber products; protecting unique areas and threatened, endangered and special concern species; and providing for forest based recreational uses. Wildlife habitat management objectives include enhancing the large opening complexes and providing opportunities for hunting and other wildlife related recreation. Timber management objectives include improving the age-class distribution of jack pine and red pine; and consolidating smaller plantations and openings into larger stands to better suit management objectives. Expected issues in this 10-year planning period include illegal use of off-road vehicles, introduced pests and diseases such as jack pine budworm and beech bark disease, and introduction and spread of invasive species.

Soil and topography:

The majority of the compartment is level ground. The terrain changes near Clear Creek are of steep banks sloping into the creek. There is also some lowland ground near the south of the compartment. The majority of the soil is Rubicon sands that are fair in natural fertility. Muck and peat soils appear near the swamp and bog stands.

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

There is no private land within the compartment boundaries. The majority of the surrounding land is still State of Michigan owned.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

There are archeological, historical, or cultural features in this compartment.

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

This compartment contains Cold Creek, Clear Creek, and several unnamed streams that are tributaries to the East Branch Fox River. Cold Creek, Clear Creek, unnamed tributaries, and the East Branch Fox River are all designated Type 1 trout streams less than 50-ft wide with predicted mean July water temperatures that range from 59.0 to 51.0 °F (cold streams). A 300-foot buffer is recommended for these streams in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 200-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas as part of the Natural Rivers Program and in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment lies within the eastern portion of a large opening complex corridor that extends east to west across north Schoolcraft County. The majority of the compartment is upland sandy plains. The original surveyor's notes indicate that the pre-settlement land cover consisted primarily of white pine, hemlock, red maple, yellow birch, and American beech. Mountain ash was a significant component in the understory.

Current vegetation is substantially different from pre-settlement conditions. Grassy openings and pine (red and jack) plantations now dominate the compartment.

Wildlife habitat objectives consist primarily of re-aligning the plantations and grassy openings into more consolidated blocks to better facilitate both the forest associated and the open land wildlife species. In addition, soft mast producing shrubs will be encouraged.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium. There is insufficient data to determine the glacial drift thickness. The Ordovician Utica and Collingwood Shales and the Trenton Group sub-crop below the glacial drift. The Trenton is quarried for stone/dolomite. Gravel pits are not found in the general area, but there may be potential. There is no commercial oil and gas production in the UP.

2024 - Sections 22-23, 27, & 34, T47N-R13W, Schoolcraft County

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for occurrences of commercial deposits of metallic or critical minerals in this area. The State-owned Sunken Lake (north Seney) gravel pit is just over one mile southwest. There may be some limited potential for production of sand & gravel on upland areas within the compartment, but any aggregate resources present likely would not have much economic value beyond use by the county road commission, logging companies, or DNR for local road maintenance. No current leasing activity exists in the area involving State-owned mineral rights.

Vehicle Access:

Access is very good in the compartment. There is a large network of drivable two-tracks through all sections. The main access is from M-77 north.

Survey Needs:

None

Recreational Facilities and Opportunities:

The Seney Snowmobile Club has a main snowmobile trail through the compartment that leads north and east. The Danaher ORV trail is also located in the south part of section 34.

Fire Protection:

The compartment contains many mature pine plantations. Slash fuel loads in the understory of the pine plantations following proposed treatments could challenge fire control efforts. The open areas within the compartment are mainly grass with few conifer trees filling in. Access is good.

Additional Compartment Information:

The following reports from the Inventory are attached:

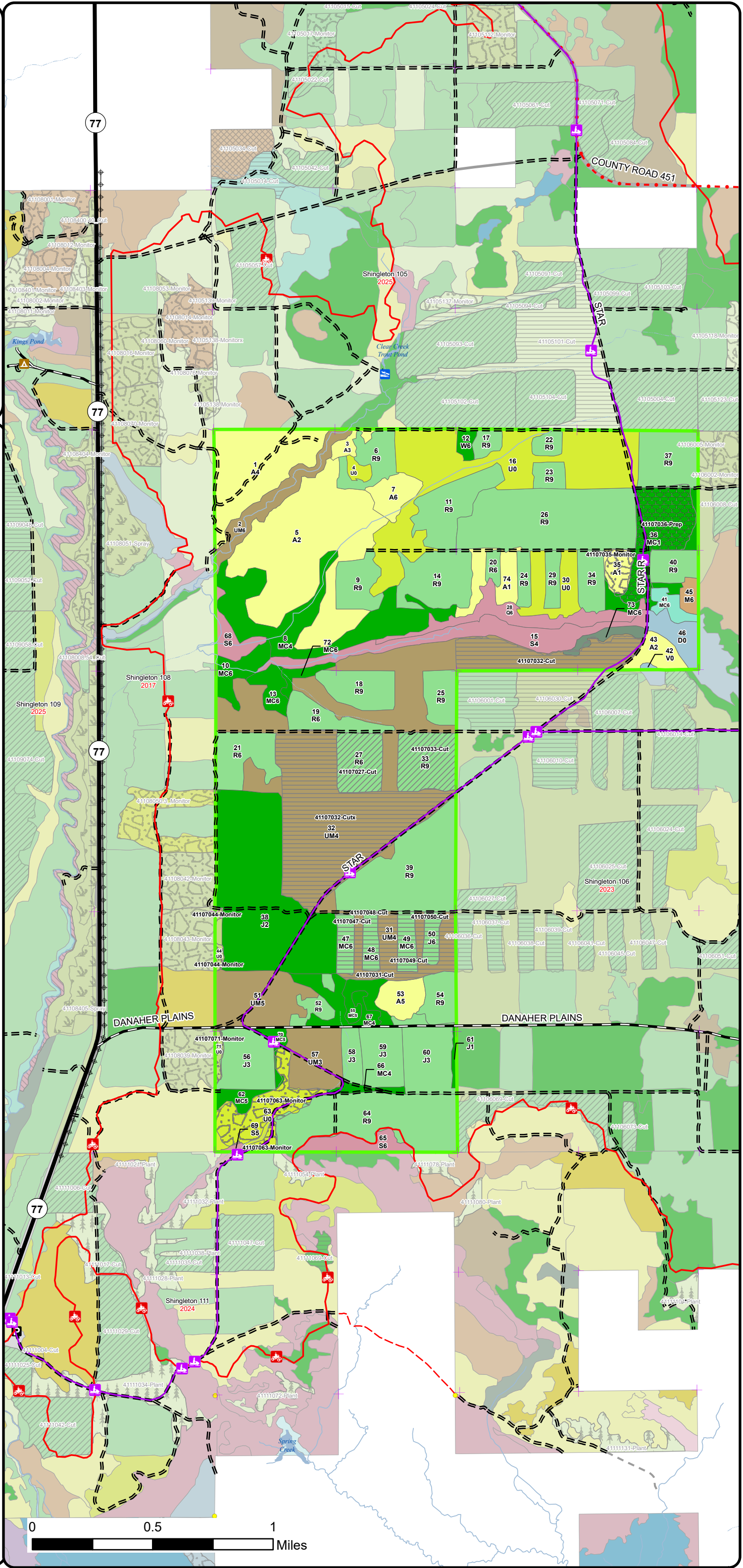
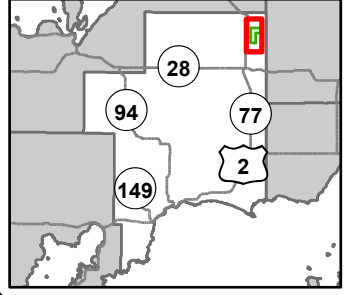
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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: 41107
 T47N, R13W, Sec: 22, 23, 27, 34
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Grand Marais
 Moraine Complex
 YOE: 2026
 Acres: 2563.6 GIS Calculated
 Examiner: Sheila Clark
 Map Revised: 08/05/2024
 Map Phase: Web Post

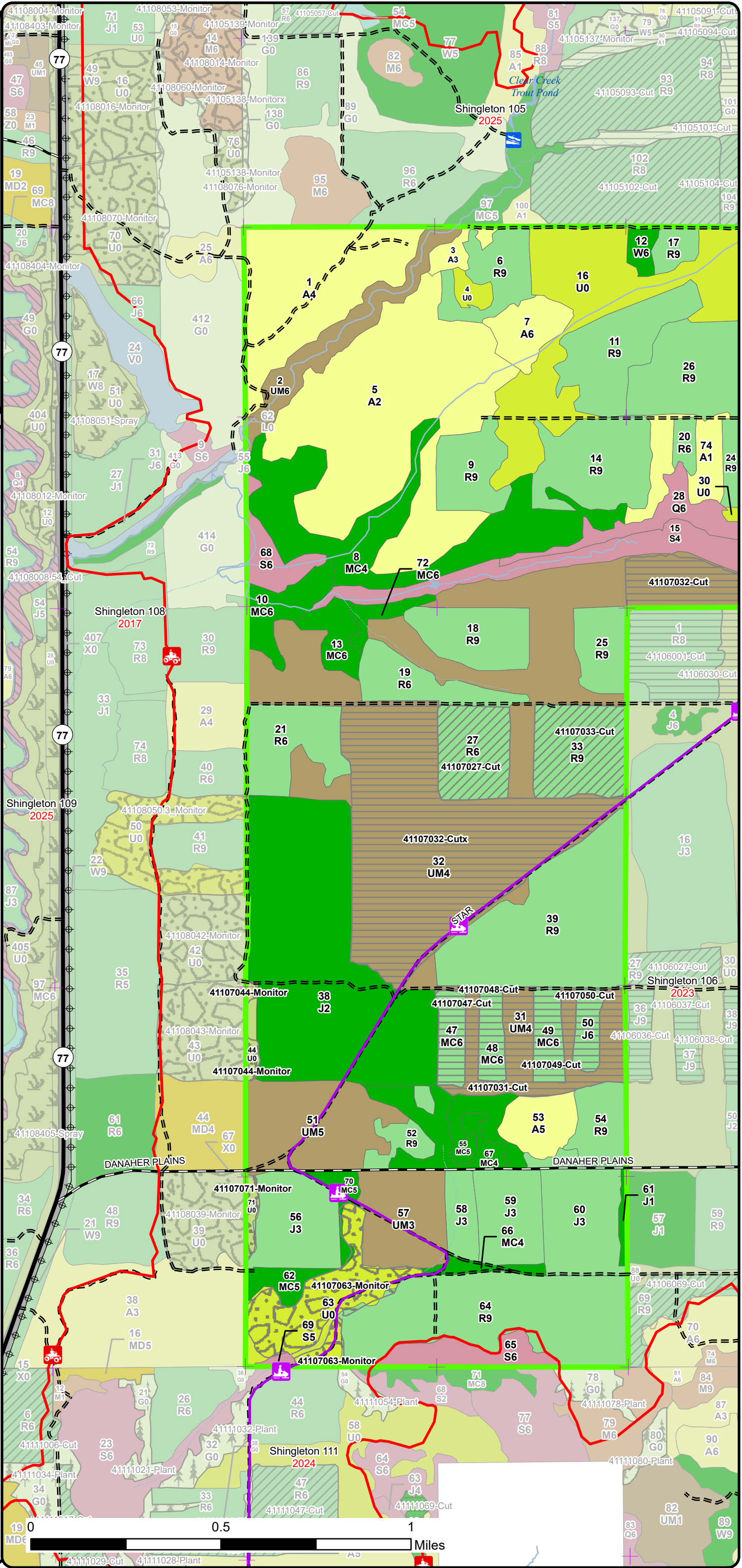
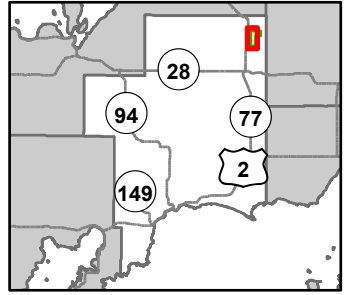


- Boating Access Site
- Campground
- Parking Lot
- Survey Grade Corners
- Remonumented Section Corners
- ORV Trails
- Snowmobile Trails
- Designated ATV Trails
- Designated ORV Route
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Powerline
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- Site Prep
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub

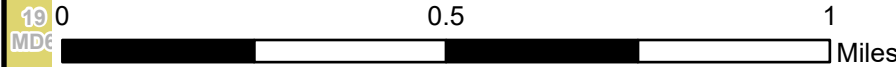
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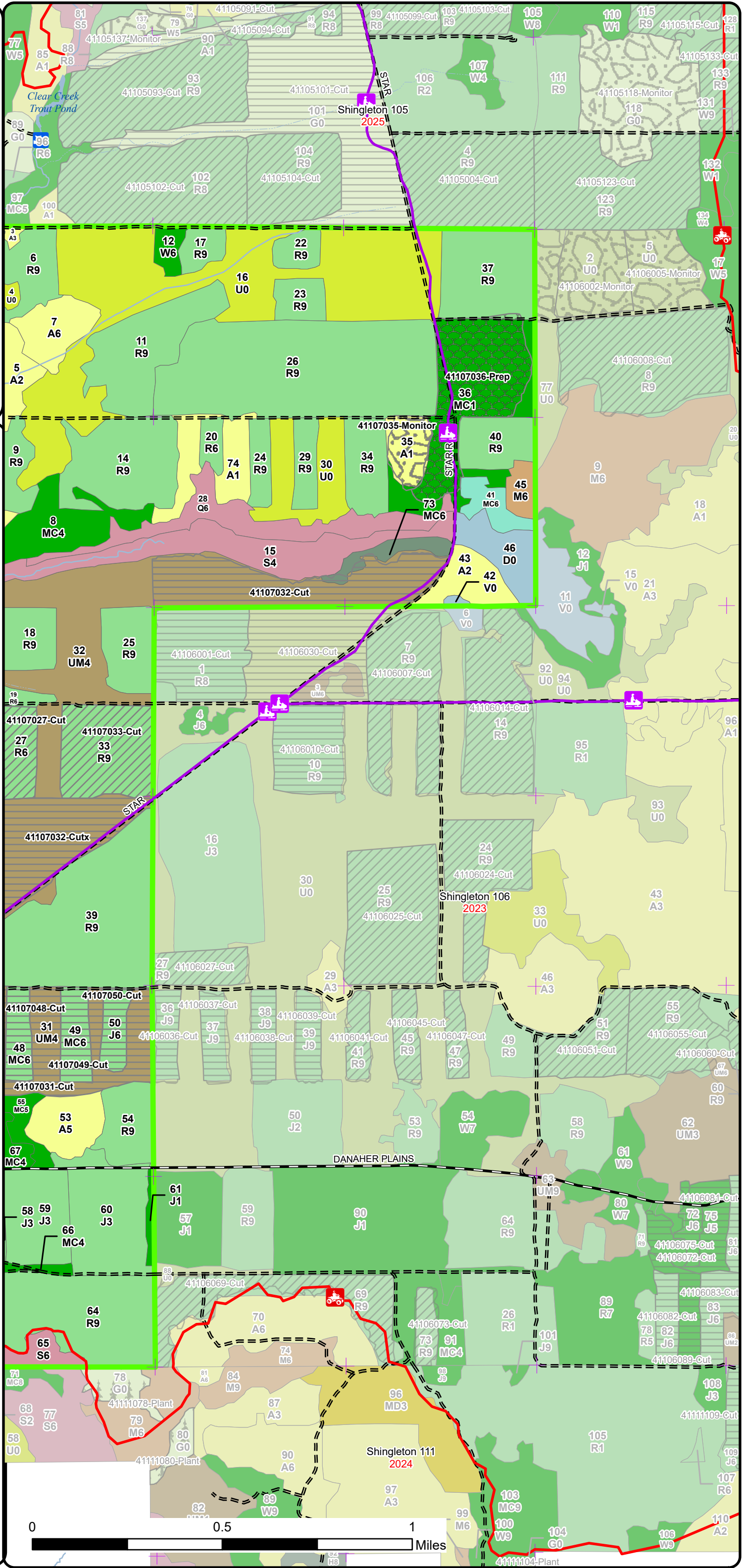
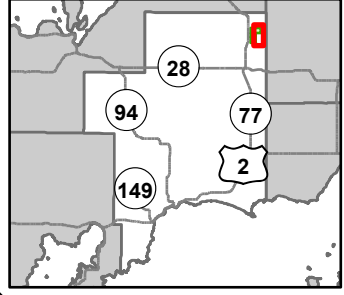


- Boating Access Site
- Remonumented Section Corners
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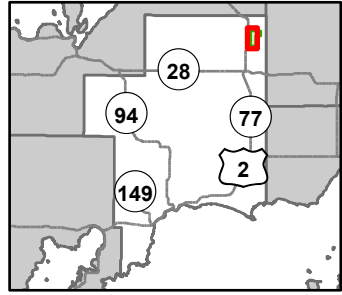
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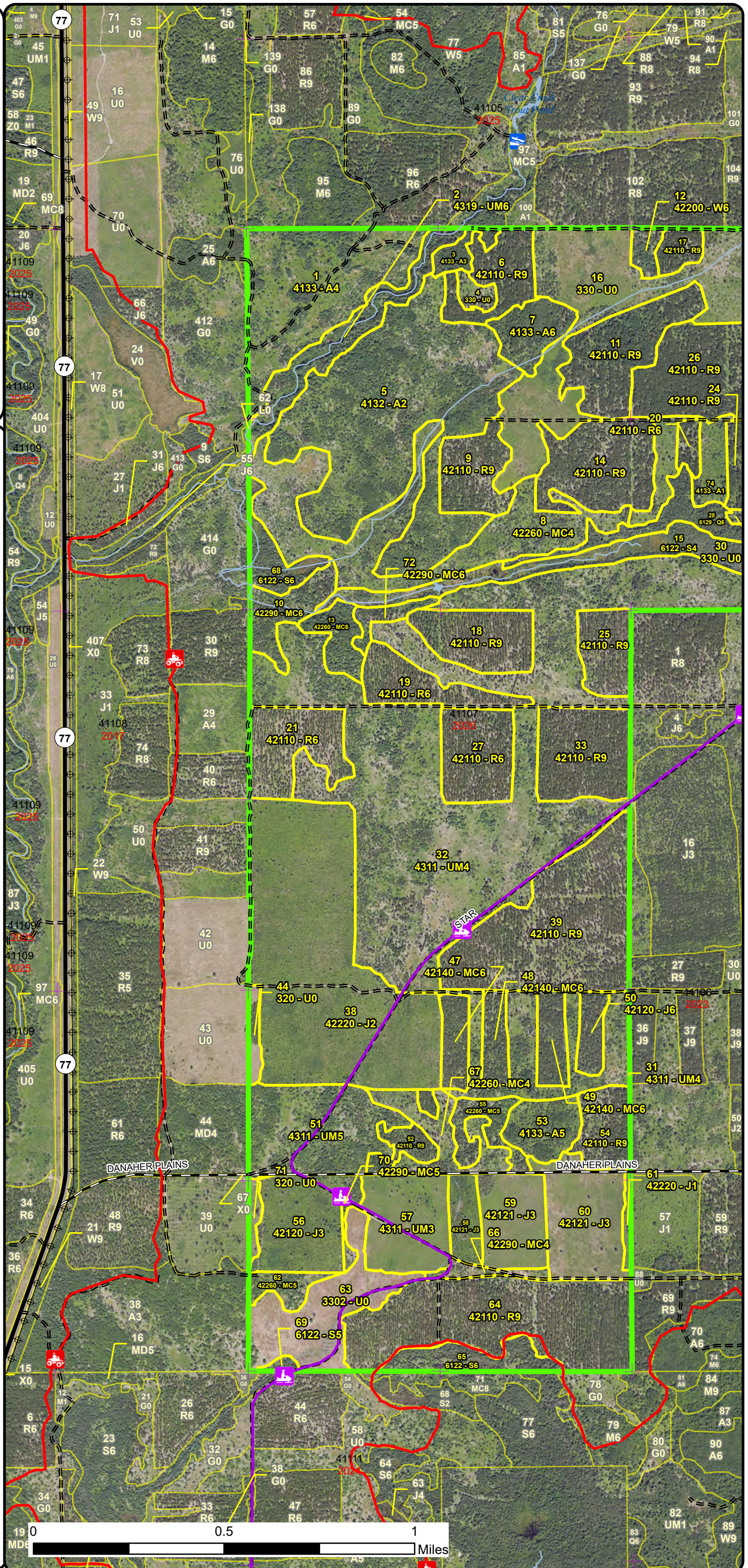
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Stand Boundary Map

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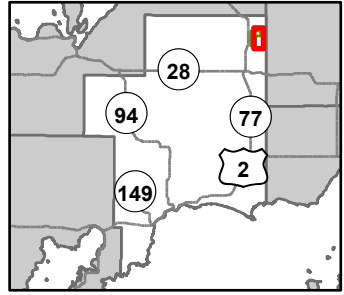


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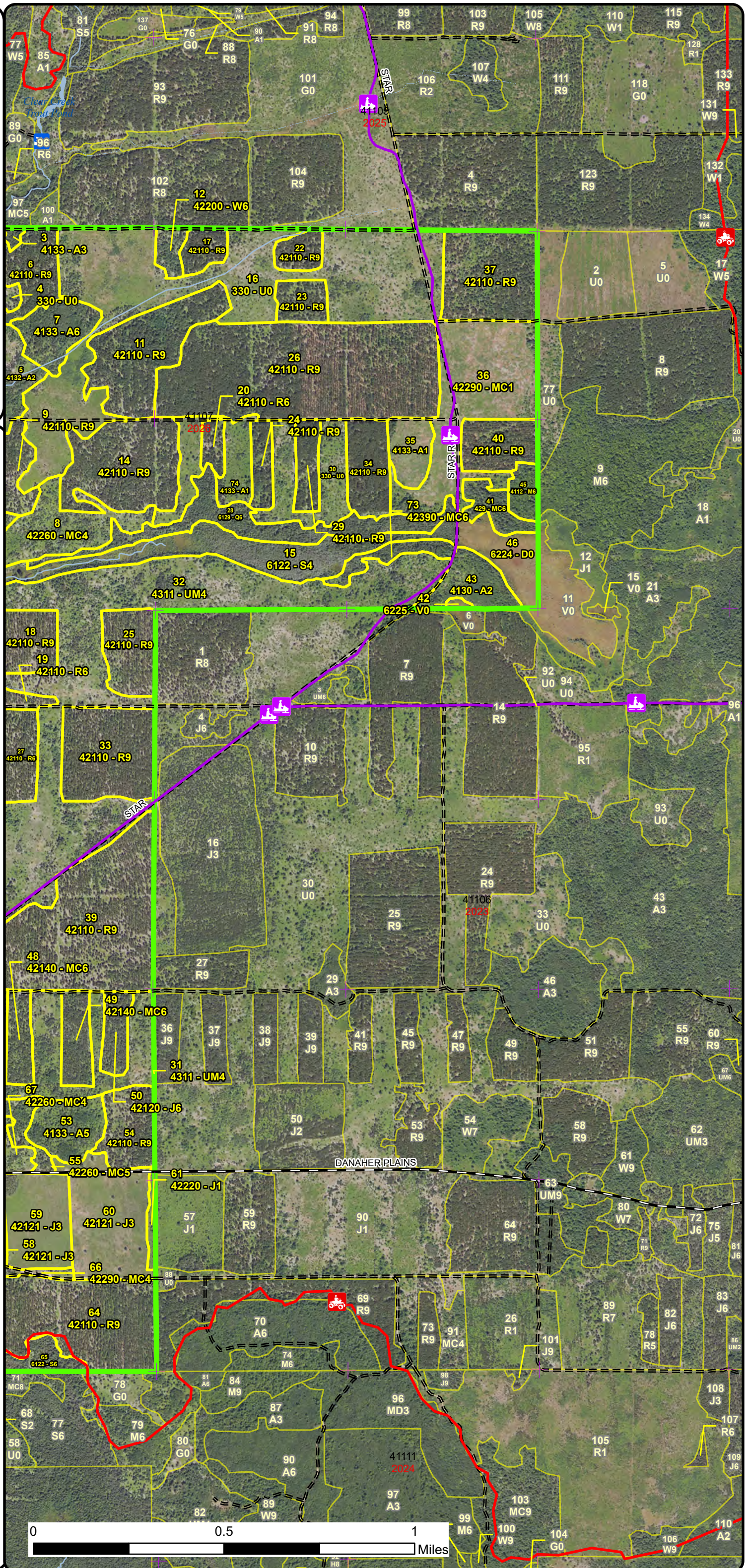


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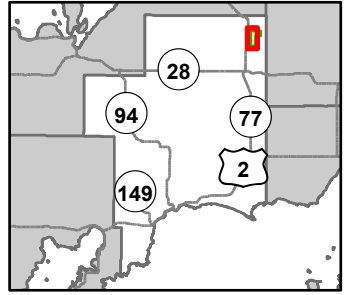


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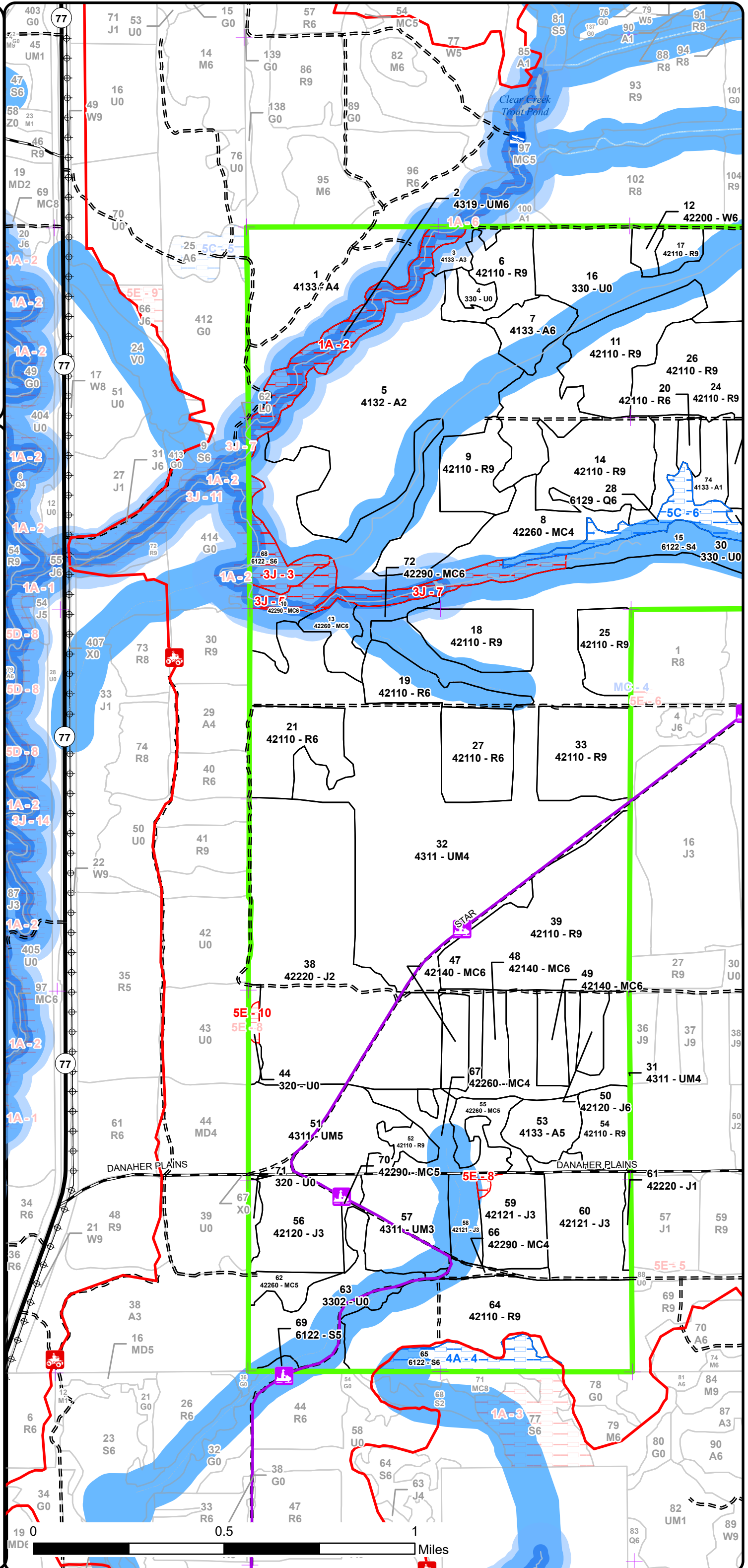


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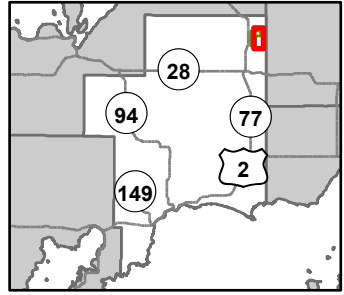


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 - Available w/ Constraints
 - Unavailable
- 4A: No Markets Available for these Forest Products

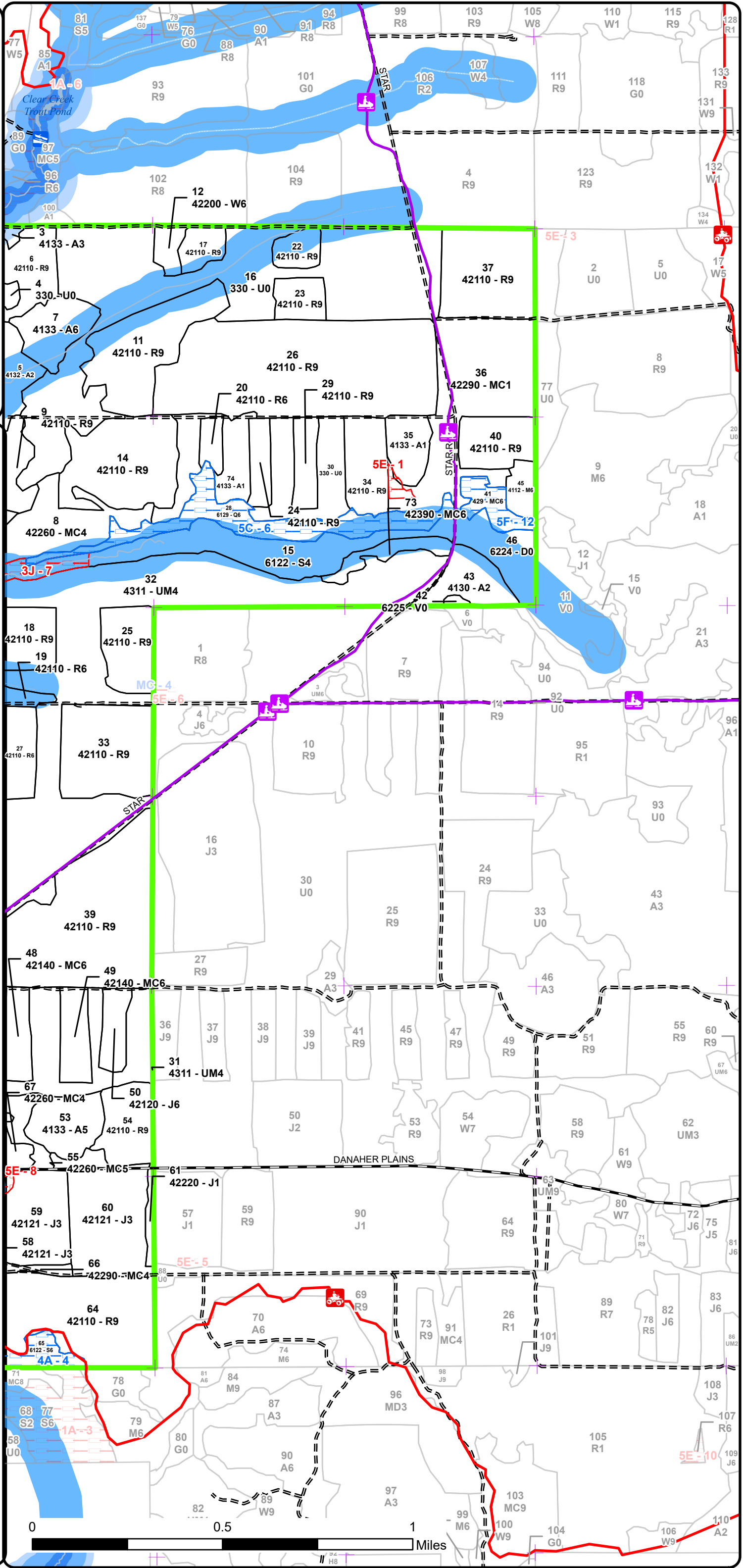


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Report 1 – Total Acres by Cover Type and Age Class



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	12	16	22	268	18	0	0	0	0	0	0	0	0	0	0	0	0	335
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jack Pine	0	69	217	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	294
Low-Density Trees	223	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	223
Lowland Conifers	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	34
Lowland Spruce/Fir	0	0	0	0	0	54	0	2	0	32	0	0	0	0	0	0	0	0	88
Natural Mixed Pines	0	64	0	107	15	14	25	18	0	0	0	0	0	0	0	0	0	0	243
Northern Hardwood	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	7
Planted Mixed Pines	0	0	0	0	0	0	24	11	0	0	0	0	0	0	0	0	0	0	34
Red Pine	0	0	0	0	0	0	0	745	0	0	0	0	0	0	0	0	0	0	745
Treed Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Upland Conifers	0	0	0	0	0	0	0	0	0	18	0	0	0	0	0	0	0	0	18
Upland Mixed Forest	0	36	0	390	53	0	31	0	0	0	0	0	0	0	0	0	0	0	510
Upland Shrub	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
White Pine	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Total	251	181	233	519	336	86	89	782	7	84	0	0	0	0	0	0	0	0	2565



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 107

Total Compartment Acres: 2,564

Commercial Harvest - 376
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	9	0	0	0	0	0	0	0	0	9
Planted Mixed Pines	34	0	0	0	0	0	0	0	0	34
Red Pine	0	0	0	0	0	67	0	0	0	67
Upland Mixed Forest	265	0	0	0	0	0	0	0	0	265
Total	309	0	0	0	0	67	0	0	0	376

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	376	52	0	0	0	0	61	0	0	489
Next Step	0	722	361	0	0	578	721	404	0	2785
Total	376	773	361	0	0	578	783	404	0	3274



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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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Proposed Treatments:

27	41107027-Cut	29.5	42110 - Planted Red Pine	Poletimber Well	64	111- 140	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand, removing approximately 1/3 of basal area.

Specs:

Next Step

Treatments:

Acceptable Red Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

31	41107031-Cut	43.2	4311 - Pine, Aspen Mix	Poletimber Poor	25	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clear cut stand. If possible chip site. No retention due to site preparation for cultivation.

Specs:

Next Step Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;

Treatments: Monitoring, Artificial Regen(3yr); SitePrep, Roller Chopping; Other, Pre-Commercial Thinning - Hand

Acceptable Red Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

32	41107032-Cutx	170.1	4311 - Pine, Aspen Mix	Poletimber Poor	25	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clear cut, chip if possible. No retention due to site preparation for cultivation.

Specs:

Next Step Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;

Treatments: Monitoring, Artificial Regen(3yr); SitePrep, Roller Chopping; Other, Pre-Commercial Thinning - Hand

Acceptable Red Pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

33	41107033-Cut	37.4	42110 - Planted Red Pine	Sawtimber Well	67	81-110	Harvest	Low Thinning	4211 - Planted Red Pine	Even-Aged	No
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Prescription Thin stand, removing sub-merchantable trees. Take up to 1/3 basal area.

Specs:

Next Step

Treatments:

Acceptable Red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
47 41107047-Cut	11.5	42140 - Planted Mixed Pine	Poletimber Well	58	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Clear cut stand and plant to red pine. No retention due to site preparation for cultivation.										
<u>Specs:</u>										
<u>Next Step</u> Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial										
<u>Treatments:</u> Regen(3yr); Pesticide, Aerial - Release; Pesticide, Aerial - Release; SitePrep, Roller Chopping; Other,										
<u>Acceptable</u> Red Pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2025										
48 41107048-Cut	10.5	42140 - Planted Mixed Pine	Poletimber Well	66	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Clear cut stand. No retention due to site preparation for cultivation.										
<u>Specs:</u>										
<u>Next Step</u> Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;										
<u>Treatments:</u> Monitoring, Artificial Regen(3yr); SitePrep, Roller Chopping; Other, Pre-Commercial Thinning - Hand										
<u>Acceptable</u> Red Pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2025										
49 41107049-Cut	12.4	42140 - Planted Mixed Pine	Poletimber Well	58	141- 170	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Clearcut stand. No retention due to site preparation for cultivation.										
<u>Specs:</u>										
<u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release; Monitoring, Artificial										
<u>Treatments:</u> Regen(3yr); Pesticide, Aerial - Site Prep; SitePrep, Roller Chopping; Other, Pre-Commercial Thinning - Hand										
<u>Acceptable</u> red pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2025										
50 41107050-Cut	9.4	42120 - Planted Jack Pine	Poletimber Well	58	111- 140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<u>Prescription</u> Clearcut stand. No retention due to site preparation for cultivation.										
<u>Specs:</u>										
<u>Next Step</u> Pesticide, Aerial - Site Prep; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release;										
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<u>Acceptable</u> Red Pine										
<u>Regen:</u>										
<u>Other</u>										
<u>Comment:</u>										
<u>Site Condition</u>										
<u>Proposed Start Date:</u> 10/1 /2025										



Standard

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:

32	41107032-Cut	51.9	4311 - Pine, Aspen Mix	Poletimber Poor	25	1-50	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
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Prescription Clearcut stand down to 2" removing all species.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(3yr);

Treatments: Monitoring, Artificial Regen(1yr); SitePrep, Roller Chopping; Other, Pre-Commercial Thinning - Hand

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

35	41107035-Monitor	11.0	4133 - Aspen, Mixed Pine	Sapling Poor	2	Immature	Monitoring	Natural Regen (Re-Inventory)	413 - Aspen	Even-Aged	No
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Prescription Monitor to see if stand regenerates.

Specs:

Next Step

Treatments:

Acceptable Aspen

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

36	41107036-Prep	51.6	42290 - Natural Mixed Pine	Sapling Poor	6	Immature	SitePrep	Trenching	4212 - Planted Jack Pine	Even-Aged	No
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Prescription Plant Jack Pine

Specs:

Next Step Other, Pre-Commercial Thinning - Hand; SitePrep, Roller Chopping; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring,

Treatments: Artificial Regen(3yr)

Acceptable jack pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

44	41107044-Monitor	3.1	320 - Upland Shrub	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4212 - Planted Jack Pine	Even-Aged	No
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Prescription monitor

Specs:

Next Step

Treatments:

Acceptable Jack Pine

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition

Proposed Start Date: 10/1 /2024



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
63 41107063-Monitor	43.4	3302 - Low Density Conifer Trees	Nonstocked		Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u></p> <p><u>Specs:</u></p> <p><u>Next Step</u> Other, Pre-Commercial Thinning - Hand</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine</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> 10/1 /2024</p>										
71 41107071-Monitor	3.9	320 - Upland Shrub	Nonstocked	0		Monitoring	Natural Regen (Re-Inventory)	4122 - Oak, Pine	Even-Aged	No
<p><u>Prescription</u> regen check with comp 108 stand 39</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> jack pine, oak, maple , aspen</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> 10/1 /2024</p>										

Total Treatment 488.9
Acres Proposed:



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		4A	5C	5F	1A	3J	5E	
334	334	0	0	Aspen							0
1	1	0	0	Bog							
295	293	0	1	Jack Pine							1
223	223	0	0	Low-Density Trees							
34	0	34	0	Lowland Conifers		34					
88	40	18	30	Lowland Spruce/Fir	18					30	
243	231	0	12	Natural Mixed Pines					10		2
7	7	0	0	Northern Hardwood							
34	34	0	0	Planted Mixed Pines							
745	745	0	0	Red Pine							
18	18	0	0	Treed Bog							
18	8	9	0	Upland Conifers			9				
510	479	0	31	Upland Mixed Forest				31			
9	7	0	2	Upland Shrub							2
6	6	0	0	White Pine							
2,564	2,427	61	76	Total Forested Acres	18	34	9	31	40		5
	95%	2%	3%	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	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This retention is for both stand 35 and 36							
2	Unavailable	1A: Federal/State/Local Law	31	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: Part of Fox River Plan.							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Sheila Clark : Examiner

Compartment: 107
Year of Entry: 2026



3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	4A: No Markets Available for these Forest Products	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Sheila Clark: Examiner

Compartment: 107
Year of Entry: 2026



12	Available	5F: Evaluated for Forest Health Considerations	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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
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Comments



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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																														
1	4133 - Aspen, Mixed Pine	Poletimber Poor	78.5	30	1-50	N/A	2024 - This stand has been an open grass area since doing inventory in 1986. It has slowly been filling in and has finally hit the point that it has 25% canopy closure. From the road that goes through the stand to the southeast, the terrain drops quickly to Clear Creek.																																														
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2	4319 - Mixed Upland Forest	Poletimber Well	30.6	50	81-110	N/A	2014 - Clear creek river corridor, Fox River plan applies to this stand. The plan as well as steep terrain will keep harvesting out of this stand. 2024 - The Fox River plan states 200 foot buffer on either side of Fox River and it's designated tributaries. Within that buffer some thinning can occur.																																														
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3	4133 - Aspen, Mixed Pine	Sapling Well	6.6	34	111-140	N/A	2014 - This stand was cut in 1992. 2024 - Stand is healthy.																																														
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4	330 - Low-Density Trees	Nonstocked	4.8			No	2024 - Stand is starting to fill in with Whit pine and Red Pine, however, at this time it is still open.																																														
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5	4132 - Aspen, Jack Pine	Sapling Medium	164.8	32	Immature	N/A	Area was grass but is converting to aspen. In 1992 the larger aspen was cut as time goes on the stand will continue to fill in. Terrain is flat to rolling lots of old large white pine stumps. 2024- Stand is still healthy and continues to fill in, no activity at this time.																																														
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6	42110 - Planted Red Pine	Sawtimber Well	23.8	67	81-110	N/A	2016 - Stand was planted in 1957. It is mostly poor to moderate quality pine. 41-023-16, Pine-ageddon TCR: 7/26/23 2024 - Stand was cut in the summer of 2023. Stand looks good and no need for any activity this entry.																																														
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8	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	84.6	20	1-50	N/A	2024 - Stand is healthy. It is lower elevation than stand 5 and not filling in as quickly. No activity at this time.																																														
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9	42110 - Planted Red Pine	Sawtimber Well	23.5	67	111-140	N/A	Evaluate for final harvest in ten years, Stand will have no issues holding till then. 2024 - This stand was not cut when the surrounds stands are cut. If the stand is thinned it could encourage aspen regeneration. No activity at this time.																																														
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10	42290 - Natural Mixed Pine	Poletimber Well	17.9	60	81-110	N/A	2024 - Stand is transitional. Includes part of tributary to clear creek. No activity.																																														
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11	42110 - Planted Red Pine	Sawtimber Well	40.2	67	81-110	N/A	The basal area of this stand is quite variable. The quality of the stand is also quite variable with most being poor. 41-023-16, Pine-ageddon TCR: 7/26/23 2024 - Stand was thinning in 2023, so no activity this entry.																																														
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12	42200 - Natural White Pine	Poletimber Well	5.7	63	51-80	N/A	2024 - Small grass stand that is filling in with White Pine. Treat with stand 17, no activity at this time.																																																						
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13	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	12.6	50	81-110	N/A	2024 - Stand is healthy.																																																						
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14	42110 - Planted Red Pine	Sawtimber Well	42.6	67	51-80	N/A	Stand was planted in 1957 mostly poor to moderate quality. 41-023-16, Pine-ageddon TCR: 7/26/23																																																						
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15	6122 - Black Spruce	Poletimber Poor	54.4	45	1-50	N/A	2024 - Stand surrounds a creek.																																																						
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16	330 - Low-Density Trees	Nonstocked	147.3	0		No	The west end of this stand was burned in June of 2011 in a grass conversion burn. The burn has been successful there is not a lot of regeneration in this area of the stand. Other areas may need some brush clearing work.																																																						
17	42110 - Planted Red Pine	Sawtimber Well	7.8	67	81-110	N/A	Stand was planted in 1957 mostly poor to moderate quality. 41-023-16, Pine-ageddon TCR: 7/26/23																																																						
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21	42110 - Planted Red Pine	Poletimber Well	31.5	62	81-110	N/A	The basil area of this stand is quite variable. The quality of the stand is also quite variable with most being poor. There is a large frost pocket in the south side of the stand.																																									
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22	42110 - Planted Red Pine	Sawtimber Well	7.4	63	81-110	N/A	Evaluate for final harvest in ten years. Stand will have no issues holding till then.																																									
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
24	42110 - Planted Red Pine	Sawtimber Well	8.3	67	111-140	N/A	Stand was planted in 1957 mostly poor to moderate quality.																																																		
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25	42110 - Planted Red Pine	Sawtimber Well	19.0	67	81-110	N/A	The basil area of this stand is quite variable. The quality of the stand is also quite variable with most being poor. The stand should be thinned to add some volume before a final harvest.																																																		
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27	42110 - Planted Red Pine	Poletimber Well	29.5	64	111-140	N/A	This stand was cut in 2007, in the 3 camps pine sale. Stand was cut using a 3rd row thin.																																																		
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28	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	34.0	84	81-110	N/A	Stand surrounds a low bog area. Still a bit small, look at cutting in 10 years.																																																		
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29	42110 - Planted Red Pine	Sawtimber Well	9.6	67	81-110	N/A	One of the better red pine plantations in the area.																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
30	330 - Low-Density Trees	Nonstocked	25.6			No	2024-Stand is still open, but starting to fill in with aspen, red pine and white pine.					
								Sub-Canopy Species	Density	Avg. Height	Size	
								White Pine	Medium	10 - 20 feet	Sapling	
								Red Pine	Low	5 - 10 feet	Sapling	
								Quaking Aspen	Medium	10 - 20 feet	Sapling	
31	4311 - Pine, Aspen Mix	Poletimber Poor	43.2	25	1-50	N/A	2024 - Stand is starting to fill in.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Black Cherry	10	Sapling	4	
								Jack Pine	30	Pole/Sapling	5	25
								Red Pine	10	Sapling/Pole	3	10
								White Pine	10	Pole/Log	8	
								Quaking Aspen	25	Sapling/Pole	4	30
Red Maple	15	Sapling/Pole	4									
Sub-Canopy Species	Density	Avg. Height	Size									
Quaking Aspen	Medium	5 - 10 feet	Sapling									
Jack Pine	Medium	5 - 10 feet	Sapling									
32	4311 - Pine, Aspen Mix	Poletimber Poor	346.5	25	1-50	N/A	2024 - Stand is starting to fill in. Part of stand is under contract, C-106 Contract North Sale 41-20-23.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	15	Sapling/Pole	4	
								Red Pine	10	Sapling/Pole	3	10
								Quaking Aspen	25	Sapling/Pole	4	30
								Black Cherry	10	Sapling	4	
								White Pine	10	Pole/Log	8	
								Jack Pine	30	Pole/Sapling	5	25
Sub-Canopy Species	Density	Avg. Height	Size									
Jack Pine	Medium	5 - 10 feet	Sapling									
Quaking Aspen	Medium	5 - 10 feet	Sapling									
33	42110 - Planted Red Pine	Sawtimber Well	37.4	67	81-110	N/A	Stand was thinned in 2007 with a third row thinning. Part of 3 Camps Pine. 2024 - Stand is not much different, from previous inventory. If thinned this entry, would be a light thinning.					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Pine	98	Log/Pole	10	67
								White Pine	2	Log/Pole	10	
								Sub-Canopy Species	Density	Avg. Height	Size	
Black Cherry	Low	5 - 10 feet	Sapling									
Red Maple	Low	5 - 10 feet	Sapling									
34	42110 - Planted Red Pine	Sawtimber Well	17.9	67	111-140	N/A	Stand was planted in 1957 mostly poor to moderate quality. 41-023-16, Pine-ageddon TCR: 7/26/23					
								Canopy Species	% Cover	Size Class	DBH	Age
								Red Maple	3	Pole/Log	8	
								Red Pine	95	Log	10	67
								Black Cherry	2	Pole/Log	8	
Sub-Canopy Species	Density	Avg. Height	Size									
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Red Maple	Low	5 - 10 feet	Sapling									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	4133 - Aspen, Mixed Pine	Sapling Poor	11.9	2	Immature	N/A	41-023-16, Pine-ageddon TCR: 7/26/23
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		20	Pole/Sapling	6			
Quaking Aspen		45	Sapling	1	2		
Bigtooth Aspen		15	Sapling	1	2		
Black Cherry		5	Sapling	1	2		
Red Maple		15	Sapling	1			
36	42290 - Natural Mixed Pine	Sapling Poor	64.1	6	Immature	N/A	41-023-16, Pine-ageddon TCR: 7/26/23 Stand will be trenched and planted to Jack pine.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		55	Sapling/Pole	2	6		
Red Pine		35	Sapling	2			
Jack Pine		10	Sapling	1			
37	42110 - Planted Red Pine	Sawtimber Well	37.4	67	81-110	N/A	The basil area of this stand is quite variable. The quality of the stand is also quite variable with most being poor. 41-023-16, Pine-ageddon TCR: 7/26/23. Stand was thinning in 2023. 2024 - No activity this entry.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		5	Pole/Sap/Log	7			
Red Pine		80	Log/XLog/Pole	12	67		
Black Cherry		5	Pole/Sap/Log	8			
Jack Pine		10	Pole/Sap/Log	8			
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Low	Variable	Sapling			
White Pine		Low	Variable	Sapling			
38	42220 - Natural Jack Pine	Sapling Medium	167.1	10	Immature	N/A	2024 - Stand is healthy.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		10	Sapling	1	10		
Jack Pine		80	Sapling	2	10		
Red Maple		10	Sapling	4			
39	42110 - Planted Red Pine	Sawtimber Well	90.7	63	51-80	N/A	The basil area of this stand is quite variable. The quality of the stand is also quite variable with most being poor. This is a large stand so only parts should be worked in this entry period. cut in 2019. 2024- Stand was part of sale Pine-oceros and cut in 2021. No activity this entry.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		2	Pole	9			
Red Pine		96	Log/Pole	12	63		
Jack Pine		2	Pole	9			
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Low	5 - 10 feet	Tall Shrub			
40	42110 - Planted Red Pine	Sawtimber Well	16.7	67	81-110	N/A	The basil area of this stand is quite variable. The quality of the stand is also quite variable with most being poor. 41-023-16, Pine-ageddon TCR: 7/26/23 2024 - Stand looks healthy. Cut in 2023. No activity this entry.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Pine		96	Log	11	67		
Quaking Aspen		2	Pole/Log	9			
Red Maple		2	Pole/Log	9			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Low	5 - 10 feet	Sapling			
Balsam Fir		Low	5 - 10 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
41	429 - Mixed Upland Conifers	Poletimber Well	9.4	84	111-140	N/A	This stand is a mix of ages and sizes of spruce and aspen cut in ten years with adjacent hardwood and similar type stand in compartment 106. 2024 jack pine is dying.																																												
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42	6225 - Bog	Nonstocked	1.0			No																																													
43	4130 - Aspen	Sapling Medium	15.6	16	Immature	N/A	Stand was cut in 2008 in 3 Camps Pine Sale (41-036-06-01) residual of 4 Sq. Feet of red pine. Regeneration is coming in well and looks good. Stand passed walk though for natural regeneration. 2024 - Stand is healthy, no activity at this time.																																												
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44	320 - Upland Shrub	Nonstocked	5.1	0	Unspecified	4222 - Natural Jack Pine	stand was scarified summer 2019 with stand 43 of comp 108. trenched summer 22. Stand was planted in spring 2023 2024 - Stand will be checked with adjacent compartment 108 stand 43.																																												
45	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.8	75	81-110	N/A	This stand is an area of moderate to poor quality hardwood, quality is sufficient to allow uneven age management. Maintain stand in hardwood as this stand is good diversity in a mostly pine and grass compartment. 2024 - Stand healthy.																																												
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47	42140 - Planted Mixed Pine	Poletimber Well	11.5	58	111-140	N/A	Stand was planted in 1957 the red pine failed Jack pine was planted in 1965 and has allowed the stand to become fully stocked. This stand should be managed in the future for jack pine. When this stand is harvested replant it in one consolidated stand with the rest of the strips adjacent to this stand. 2024 - Stand is mature, but healthy. Due to overstocking it will be difficult to thin.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		48	Log/Pole	12	66	White Pine		
Quaking Aspen		2	Pole/Sapling	6		Red Maple		
Jack Pine		50	Pole	9	58	Density		
						Avg. Height		
						Size		
48	42140 - Planted Mixed Pine	Poletimber Well	10.5	66	111-140	N/A	Stand was planted in 1957 the red pine failed jack pine was planted in 1965 and has allowed the stand to become fully stocked. This stand should be managed in the future for jack pine. When this stand is harvested replant it in one consolidated stand with the rest of the strips adjacent to this stand. 2024 - Stand is mature, but healthy. It will be difficult to thin due to overstocking.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		2	Pole	9		Red Maple		
Red Pine		50	Log	11	66	Density		
Jack Pine		48	Pole/Log	9	58	Avg. Height		
						Size		
49	42140 - Planted Mixed Pine	Poletimber Well	12.4	58	141-170	N/A	Stand was planted in 1957 the red pine failed jack pine was planted in 1965 and has allowed the stand to become fully stocked. This stand should be managed in the future for jack pine. When this stand is harvested replant it in one consolidated stand with the rest of the strips adjacent to this stand. 2024 - Stand is mature, but healthy.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Pine		45	Log/Pole	11	66	Red Maple		
Red Maple		2	Pole	8		White Pine		
Jack Pine		50	Pole/Log	9	58	Density		
Quaking Aspen		3	Pole/Log	8		Avg. Height		
						Size		
50	42120 - Planted Jack Pine	Poletimber Well	9.4	58	111-140	N/A	Stand was planted in 1957 the red pine failed jack pine was planted in 1965 and has allowed the stand to become fully stocked. This stand should be managed in the future for jack pine. When this stand is harvested replant it in one consolidated stand with the rest of the strips adjacent to this stand. 2024 - Stand is mature, but healthy.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		2	Pole	8		White Pine		
White Pine		2	Pole	8		Red Maple		
Black Cherry		2	Pole	8		Density		
Red Pine		34	Log/Pole	11	66	Avg. Height		
Jack Pine		60	Pole	8	58	Size		
51	4311 - Pine, Aspen Mix	Poletimber Medium	53.4	30	1-50	N/A	2024 - This stand is a mix of species as well as open area. The snowmobile goes through the stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
White Pine		33	Pole/Log/Sap	7		Jack Pine		
Jack Pine		20	Pole/Sap/Log	6	30	White Pine		
Quaking Aspen		35	Sapling/Pole	4	30	Red Pine		
Red Maple		10	Pole	7		Red Oak		
Red Pine		2	Pole	8		Red Maple		
						Density		
						Avg. Height		
						Size		



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52	42110 - Planted Red Pine	Sawtimber Well	10.7	65	51-80	N/A	This stand was cut in the 80's all species but red pine where cut. Hold this entry period and evaluate for harvest in 10 years.																																																																		
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53	4133 - Aspen, Mixed Pine	Poletimber Medium	17.5	42	81-110	N/A	Aspen was cut in 1982, at that time the red pine, oak and white pine where left.2024 - Stand is healthy.																																																																		
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54	42110 - Planted Red Pine	Sawtimber Well	18.3	63	141-170	N/A	This stand has been involved in a fire at some point, on the north end. Look at treating this area in 10 years.																																																																		
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55	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	13.6	42	81-110	N/A	Aspen was cut in 1982, at that time the red pine, oak and white pine where left.																																																																		
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56	42120 - Planted Jack Pine	Sapling Well	34.4	14	Immature	N/A	2024 - Stand looks good, well stocked.																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																								
57	4311 - Pine, Aspen Mix	Sapling Well	36.4	6	Immature	N/A	This stand is in decline should be cut before more is lost to old age. Scarified by Holi summer 2018.																								
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Canopy Species	% Cover	Size Class	DBH	Age																											
Quaking Aspen	45	Sapling	2	6																											
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Red Pine	5	Sapling	1	6																											
Jack Pine	45	Sapling	1	6																											
58	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	12.1	14	Immature	N/A	Sale was cut in 2010 under sale #41-034-06-01 Danaher Jack Pine. The site was planted in 2010 at a cost of \$170.69 under FTP c41-1313. passed regen survey in summer 2015, due to the number of volunteers of JP.																								
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Quaking Aspen	20	Sapling	2																												
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59	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	27.6	1	Immature	N/A	Scarified by Holi summer 2018																								
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Jack Pine	80	Sapling	1	1																											
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60	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	41.2	3	Immature	N/A	Site was trenched summer 2020. Planted spring 2021. passed 1st year check 2021																								
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Jack Pine	80	Sapling	1	3																											
Bigtooth Aspen	20	Sapling	1																												
61	42220 - Natural Jack Pine	Sapling Poor	3.1	10	Immature	N/A	Stand under FTP C41-1557 for jack pine regeneration post-harvest. Regen check in 2018, 816 TPA.																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
62	42260 - Natural Pine, Mixed Deciduous	Poletimber Medium	8.7	31	1-50	N/A	This stand is a mix of species; the large hardwood was cut in 1994 by department of corrections. The stand is regenerating fairly well. Jack pine planting in gaps would improve stocking and should be done to create a stand that is fully stocked. 2024 - Stand is healthy and starting to fill in.																																																				
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63	3302 - Low Density Conifer Trees	Nonstocked	45.4		Unspecified	42110 - Planted Red Pine	Site was trenched by DNR Staff 7/21. Stand site prep sprayed (skidder - WWS) on 07/13-07/14/2022. Stand was planted in spring 2023 1st year regen check - 795 tr/ac.																																																				
64	42110 - Planted Red Pine	Sawtimber Well	92.4	67	111-140	N/A	Stand was planted in 1957 mostly poor to moderate quality, look at thinning to add some volume before a final harvest. 2024 - Stand was part of Pine-oceros 41-26-16, cut in 2019. Trees are healthy and free to grow at this time.																																																				
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65	6122 - Black Spruce	Poletimber Well	17.9	83	81-110	N/A	2024 - Stand is small diameter black spruce and bogs. Trees are healthy.																																																				
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66	42290 - Natural Mixed Pine	Poletimber Poor	5.8	59	1-50	N/A	2024 - This is a small triangle of land and part of long term retention for stand 59. Not very well stocked and difficult to manage.																																																				
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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67 42260 - Natural Pine, Mixed Deciduous Poletimber Poor 22.1 25 1-50 N/A 2024 - Stand is starting to fill in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Sapling	4		Quaking Aspen	Medium	5 - 10 feet	Sapling
Jack Pine	30	Pole/Sapling	5	25	Jack Pine	Medium	5 - 10 feet	Sapling
Red Pine	20	Sapling/Pole	3	10				
Red Maple	10	Sapling/Pole	4					
Quaking Aspen	25	Sapling/Pole	4	30				
White Pine	10	Pole/Log	8					

68 6122 - Black Spruce Poletimber Well 14.1 83 N/A 2024 - Stand is low ground a small diameter spruce. No activity at this time.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	5	Pole/Log	8		Red Maple	Medium	5 - 10 feet	Sapling
Red Pine	2	Pole/Log	8		Black Spruce	Medium	5 - 10 feet	Sapling
Jack Pine	5	Pole/Log	8					
White Pine	10	Pole/Log	8					
Black Spruce	73	Pole/Log	8	83				
Red Maple	5	Pole/Log	8					

69 6122 - Black Spruce Poletimber Medium 1.8 67 81-110 N/A 2024 - Stand is healthy. If harvest, cut with adjacent compartment stand 23.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	65	Pole/Sapling	5	67
Red Pine	15	Log	12	
Jack Pine	20	Pole	6	

70 42290 - Natural Mixed Pine Poletimber Medium 6.6 31 81-110 N/A 2024 - Stand is healthy.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	45	Pole/Sapling	6	31
Red Pine	15	Pole	7	
Red Maple	10	Pole/Sapling	5	
White Pine	30	Pole/Sap/Log	6	

71 320 - Upland Shrub Nonstocked 3.8 0 412 - Oak Types MO was changed thru variance to oak. check for regen in future but stand has decent stocking.

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling

2024 - Stand is filling in, looks good. Will do an official regen count in the fall of 24.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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72 42290 - Natural Mixed Pine Poletimber Well 6.5 50 81-110 N/A 2024 - Stand is healthy at this time.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sap/Log	7		Quaking Aspen	Low	5 - 10 feet	Sapling
Quaking Aspen	10	Pole/Sap/Log	7		White Pine	Low	5 - 10 feet	Sapling
White Spruce	5	Pole/Sap/Log	8		Jack Pine	Low	5 - 10 feet	Sapling
Red Pine	5	Pole/Sap/Log	8					
White Pine	20	Pole/Sap/Log	8					
Jack Pine	55	Pole/Sap/Log	8	50				

73 42390 - Mixed Non-Pine Upland Conifers Poletimber Well 8.3 84 51-80 N/A Stand surrounds a low bog area. Still a bit small, look at cutting in 10 years. 2024 - Not much change. Low productivity.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	9		Red Maple	Low	5 - 10 feet	Sapling
Black Spruce	35	Pole/Log	9	84	White Pine	Low	5 - 10 feet	Sapling
Tamarack	35	Pole/Log	9		Tamarack	Medium	10 - 20 feet	Sapling
White Pine	15	Pole/Log	9		Black Spruce	Medium	5 - 10 feet	Sapling
Quaking Aspen	5	Pole/Log	9					

74 4133 - Aspen, Mixed Pine Sapling Poor 21.8 20 1-50 N/A The west end of this stand was burned in June of 2011 in a grass conversion burn. The burn has been successful there is not a lot of regeneration in this area of the stand. Other areas may need some brush clearing work.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	25	Sapling	1	20
Black Cherry	10	Sapling	1	
Red Maple	15	Sapling	1	
Bigtooth Aspen	30	Sapling	1	20
White Pine	20	Sapling/Pole	2	