



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41189

Entry Year 2022

Acreage: 1,950

County Alger

Management Area: Cusino Complex

Revision Date: 2020-05-08

Stand Examiner: Scott Kentner

Legal Description:

46N 17W Sections: 23, 24, 25, 26

Identified Planning Goals:

To manage for Wildlife habitat (Petrel deeryard) and timber production while providing recreational opportunities to the public.

Soil and topography:

Most of the compartment consists of relatively flat ground between Star and Commencement creeks on the Cusino Swamp Land Type Association (LTA); some areas in the southern part lie on the Shingleton Fen LTA. The majority of this compartment is low and relatively wet, allowing winteronly logging.

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

There are a number of homes and other structures on the private lands along Star Siding Rd.

Unique Natural Features:

Dwarf billbery (*Vaccinium cespitosum*, state threatened plant), and Northern blue butterfly (*Lycaeides idas nabokovi*, state threatened) could occur in this compartment. Wood turtle (*Clemmys insculpta*, state special concern) could occur in and along Star Creek and Commencement Creek. There is also potential for nesting red-shouldered hawk (*Buteo lineatus*, state threatened) and Northern goshawks (*Accipiter gentilis*, state special concern) to occur throughout this compartment in stands of northern hardwoods, mature aspen, mixed swamp conifer, and swamp hardwoods.

Archeological, Historical, and Cultural Features:

none known.

Special Management Designations or Considerations:

Petrel deer wintering complex that is currently not being actively used by deer.

Watershed and Fisheries Considerations:

Fisheries Values - Good. All of the waters of the Star Creek system are classified Second Quality Cold Water, capable of supporting native brook trout. Commencement Creek, however, is classified Second Quality Warm Water, and there is no need to protect it from encroachment by beaver. Protection from increased sand bedload, however, is still a high priority.

Wildlife Habitat Considerations:

Compartment 189 lies within south eastern Alger county in the Grand Marais Sandy End Moraine and Outwash sub-subsection and is a part of the Cusino Complex Management area with American marten, moose, black bear, gray jay, northern goshawk, and white-tailed deer as featured species. The growing season is approximately 130 days. Extreme low winter temperatures near -35 degrees F and average annual snowfalls of 180 inches or more are common.

Pre-settlement vegetation was dominated by sugar maple, hemlock, yellow birch, white pine and beech in the uplands. Lowlands contained predominantly cedar with a mixture of tamarack, and black spruce. The compartment is bounded on the west by Star creek and on the east by Commencement creek. As such windthrow and beaver ponding were likely the primary forms of natural disturbance. Although the structure is most likely different, the species composition of the forest appears to be similar to that of pre-settlement times. This compartment constitutes the eastern portion of the Petrel deeryard.

Wildlife habitat management objectives include maintaining high biodiversity values within harvested stands. In northern hardwood stands, management will focus on the maintenance of mature trees, coarse woody debris, forest structure, hard and soft mast producers and mesic conifer retention. The Petrel deer wintering complex lies within portions of this

compartment so management for closed canopy lowland conifers and regenerating these species when possible will continue. Management of young successional forest types for browse and in stand retention of boreal forest types is also a priority. Other wildlife species of interest include blackburnian warbler, gray wolf, fisher, and bobcat.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien (PdC) and Black River Formation subcrop below the glacial drift. The PdC and Black River are used for stone/dolomite. The nearest gravel pit is in the SW NW of Section 25. There appears to be gravel potential on State lands along the north compartment boundary.

Vehicle Access:

Access to this compartment is from M-28 via Star Siding Rd., which is a county road. Access can also be from the North along the Petrel Road.

Survey Needs:

Recreational Facilities and Opportunities:

This compartment has comparatively good hunting for deer and grouse

Fire Protection:

Due to the wetness and timber type, fire is not a major concern within this compartment, but the wet ground may limit access to many areas in the event of a fire.

Additional Compartment Information:

The following reports from the Inventory are attached:

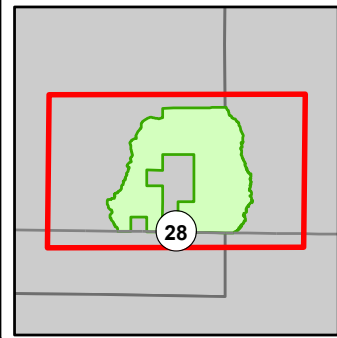
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

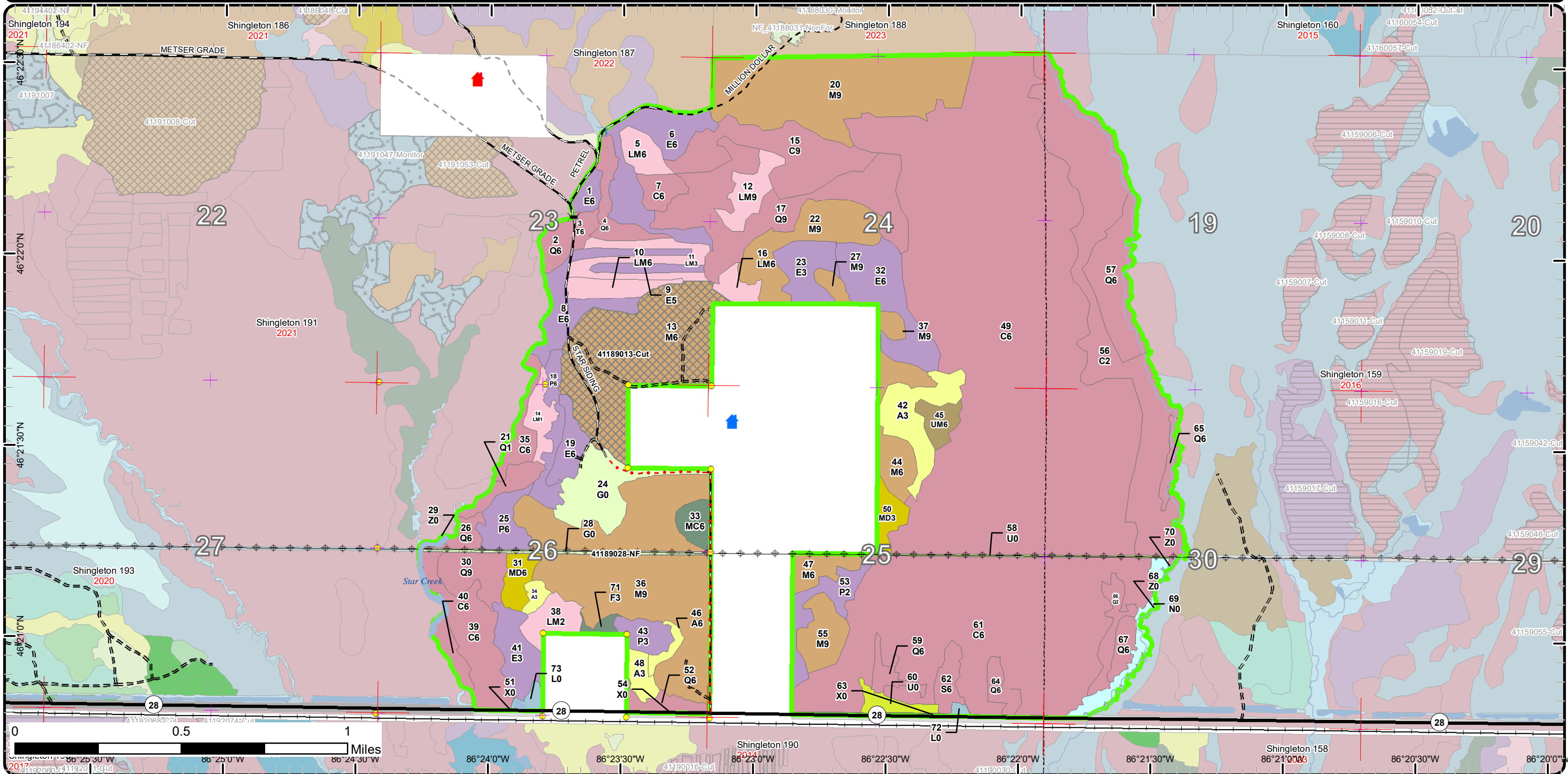
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 189
 T46N, R17W, Sec.23-26
 T46N, R16W, Sec: 19, 30
 County: Alger
 Unit: Shingleton
 Mgmt Area: Casino Complex
 YOE: 2022
 Acres: 1,950 GIS Calculated
 Examiner: Scott Kentner
 Map Revised: 8/25/2020
 Map Phase: Web Post

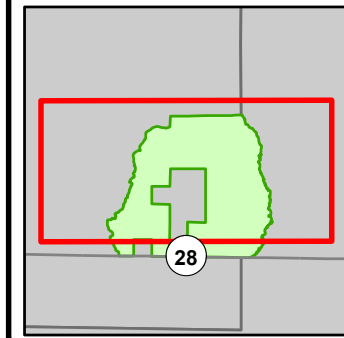


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- Cabin
- House
- ✂ Bridges
- Culvert
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Powerline
- Compartment Boundary
- Selection (Group, Single Tree)
- Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

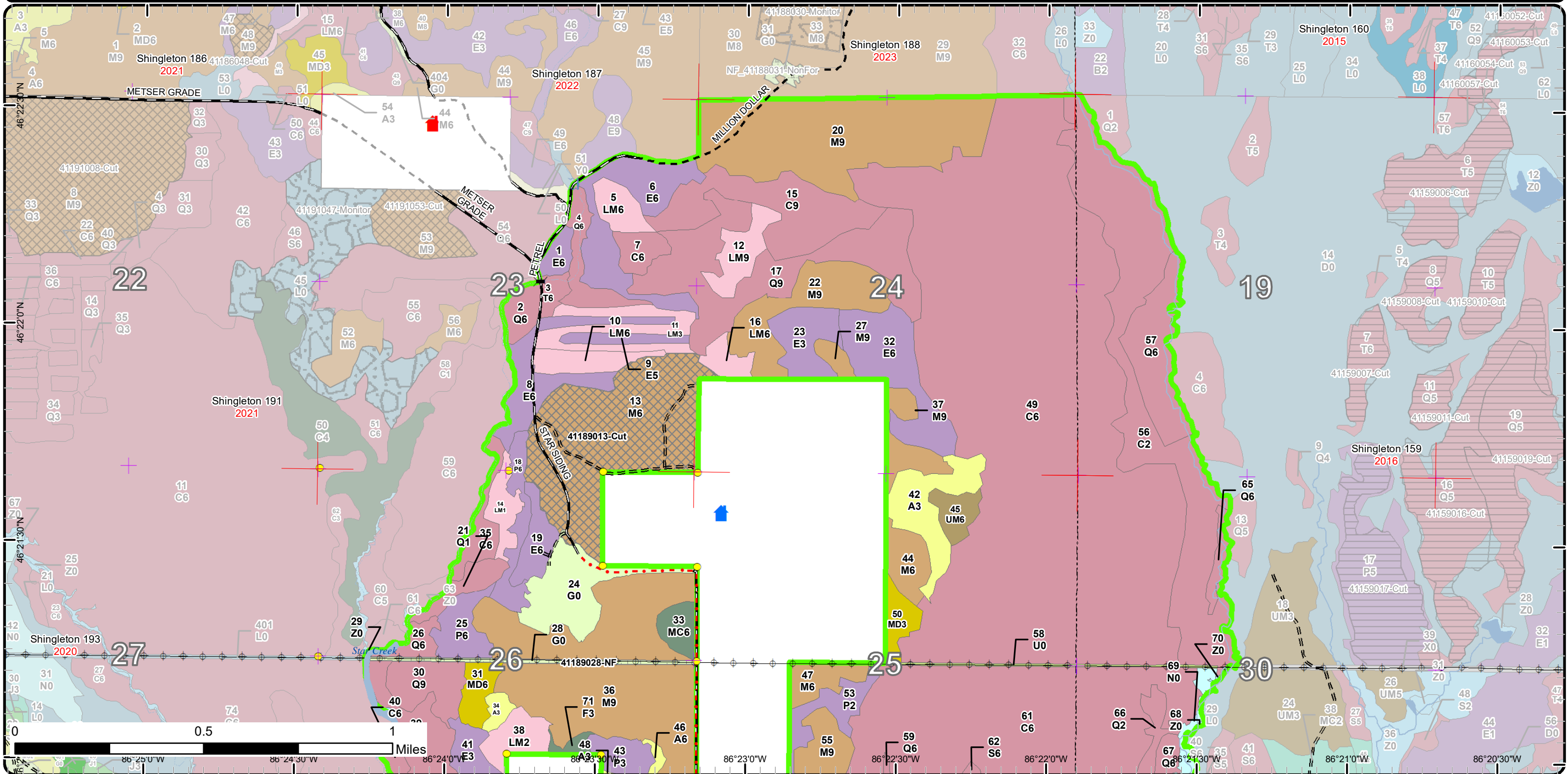


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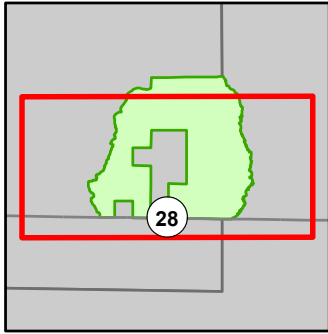


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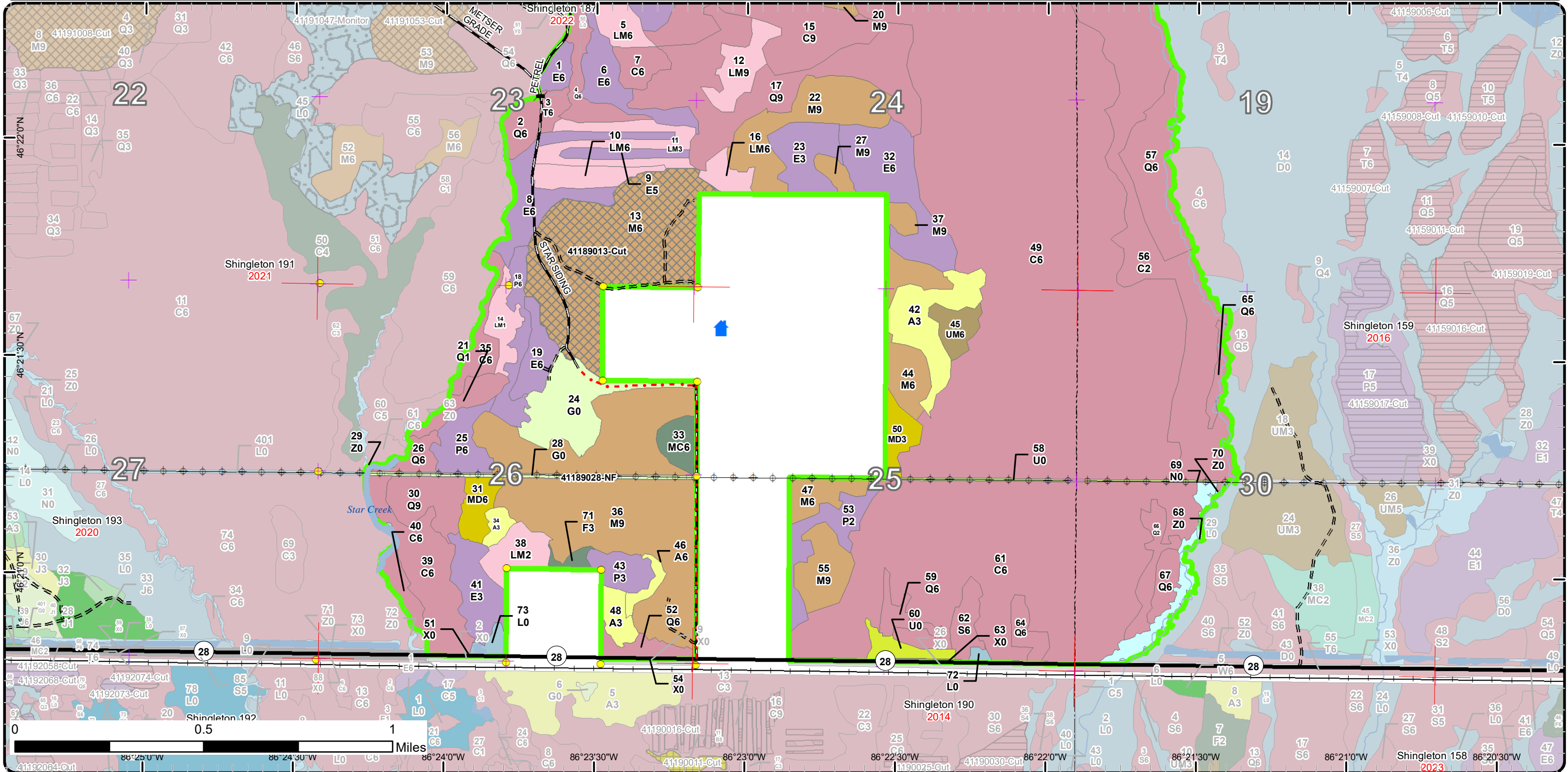


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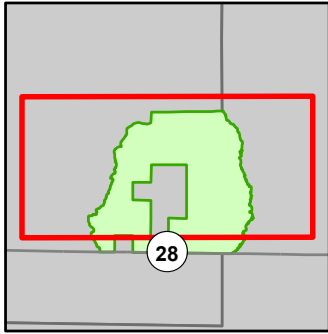


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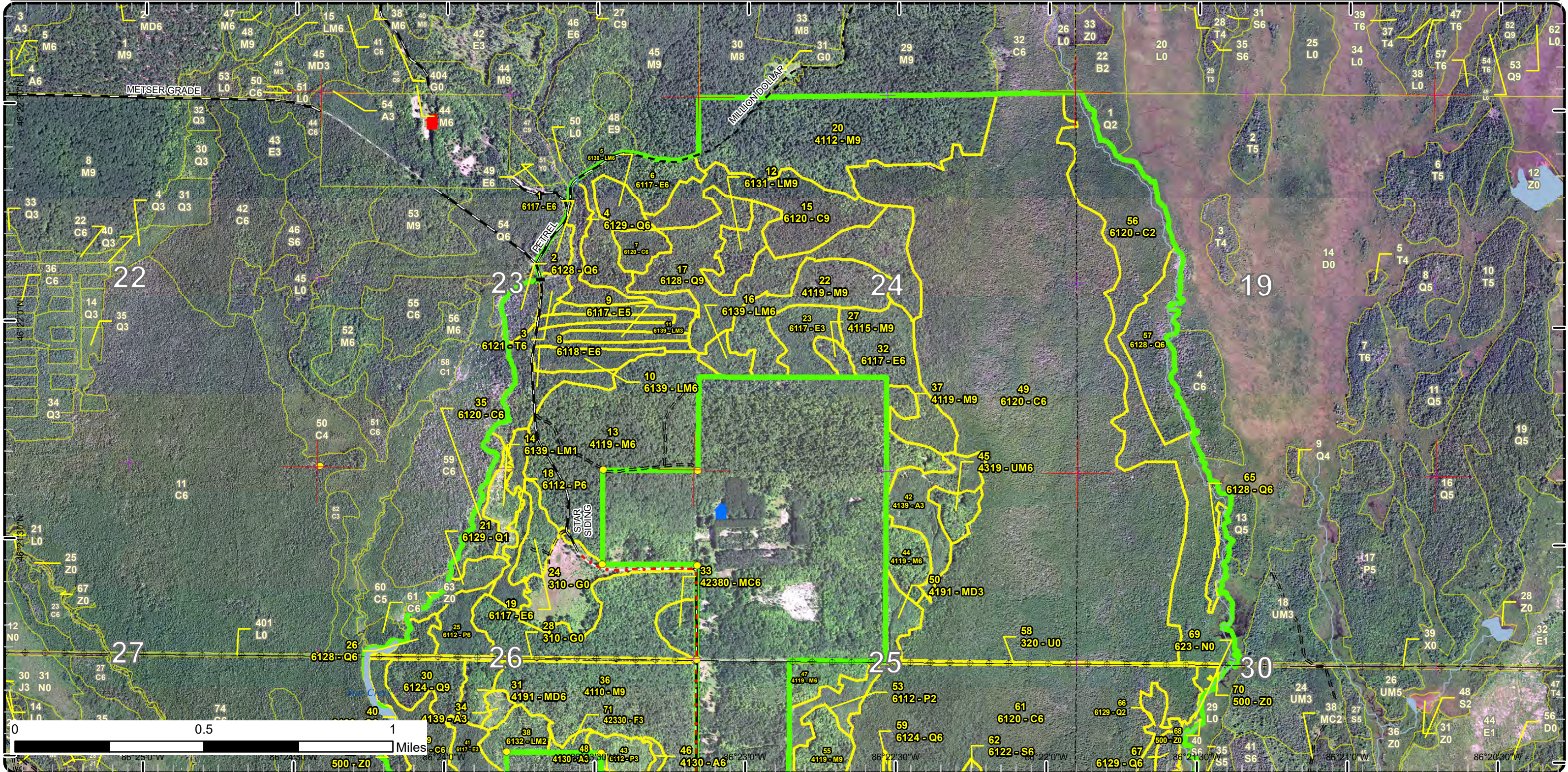


Stand Boundary Map

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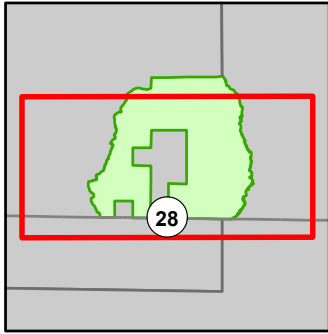


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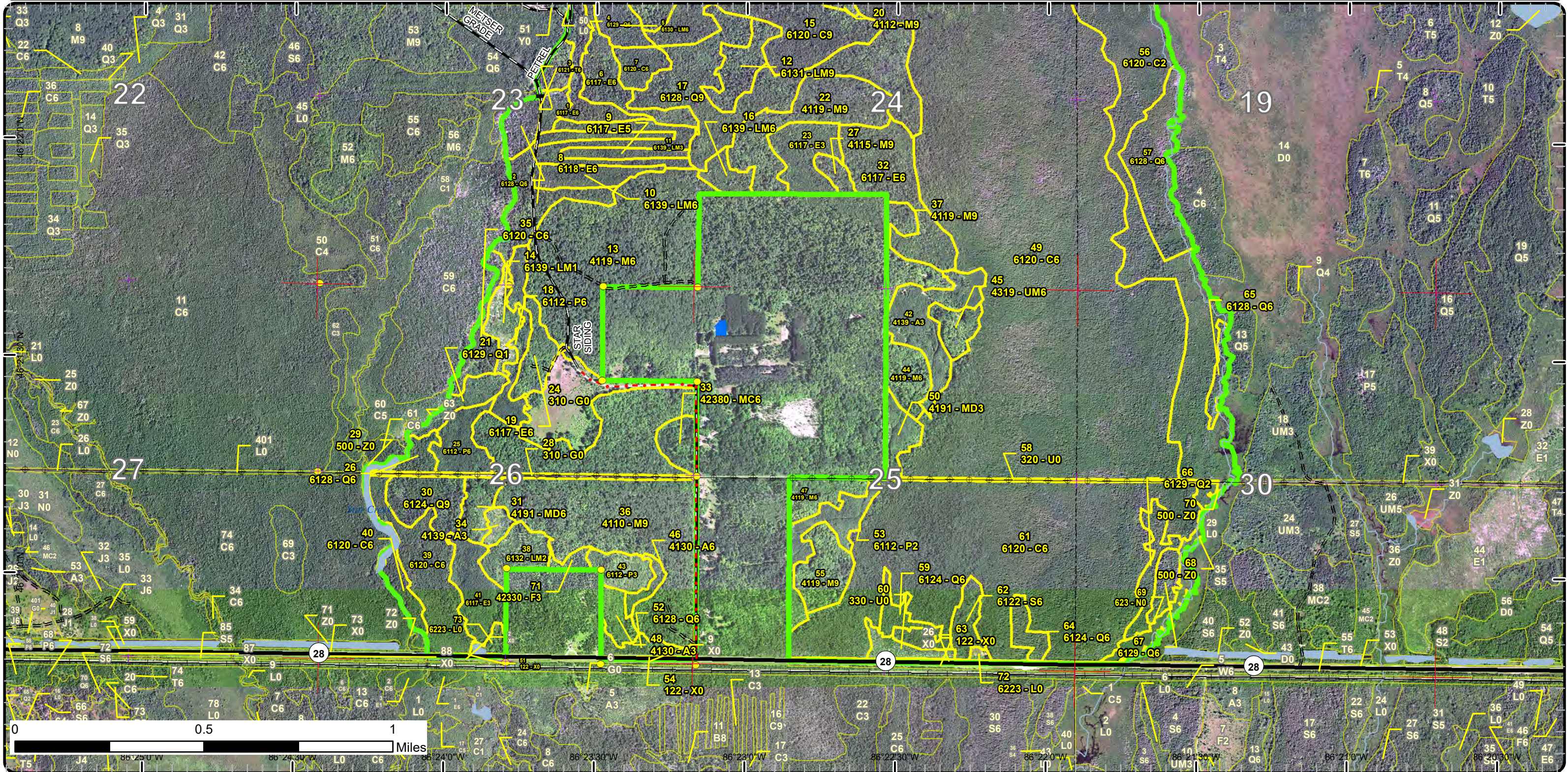


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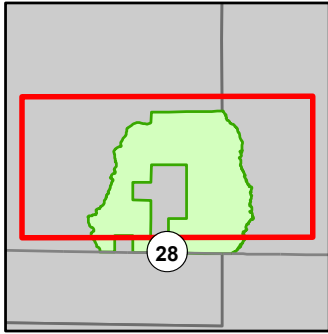


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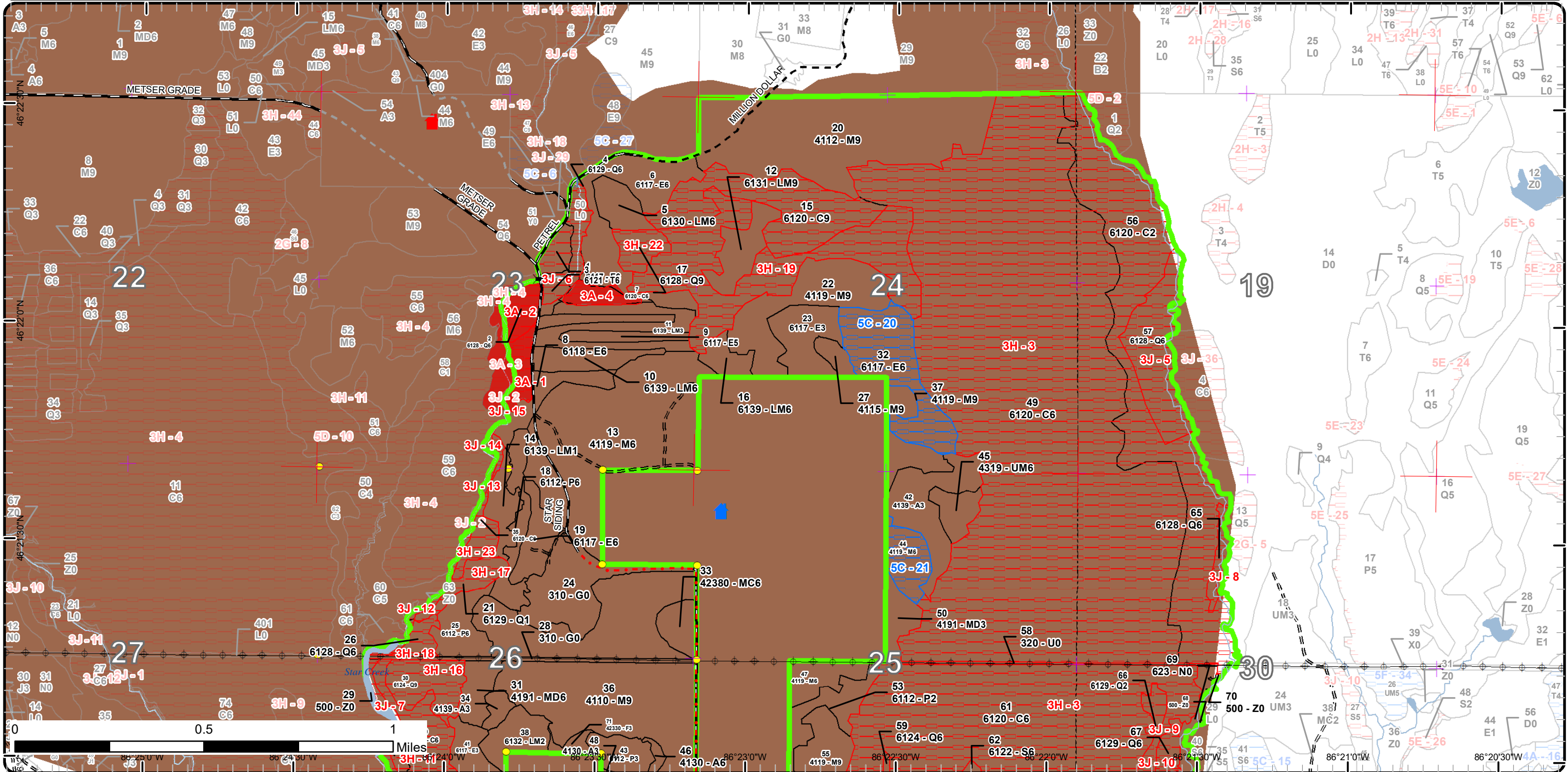


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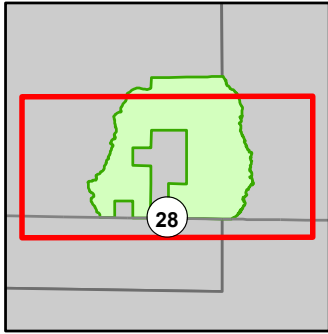


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- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- Deer Winter Range

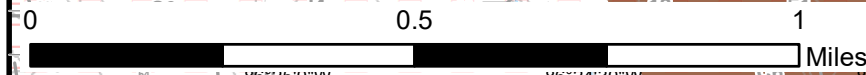
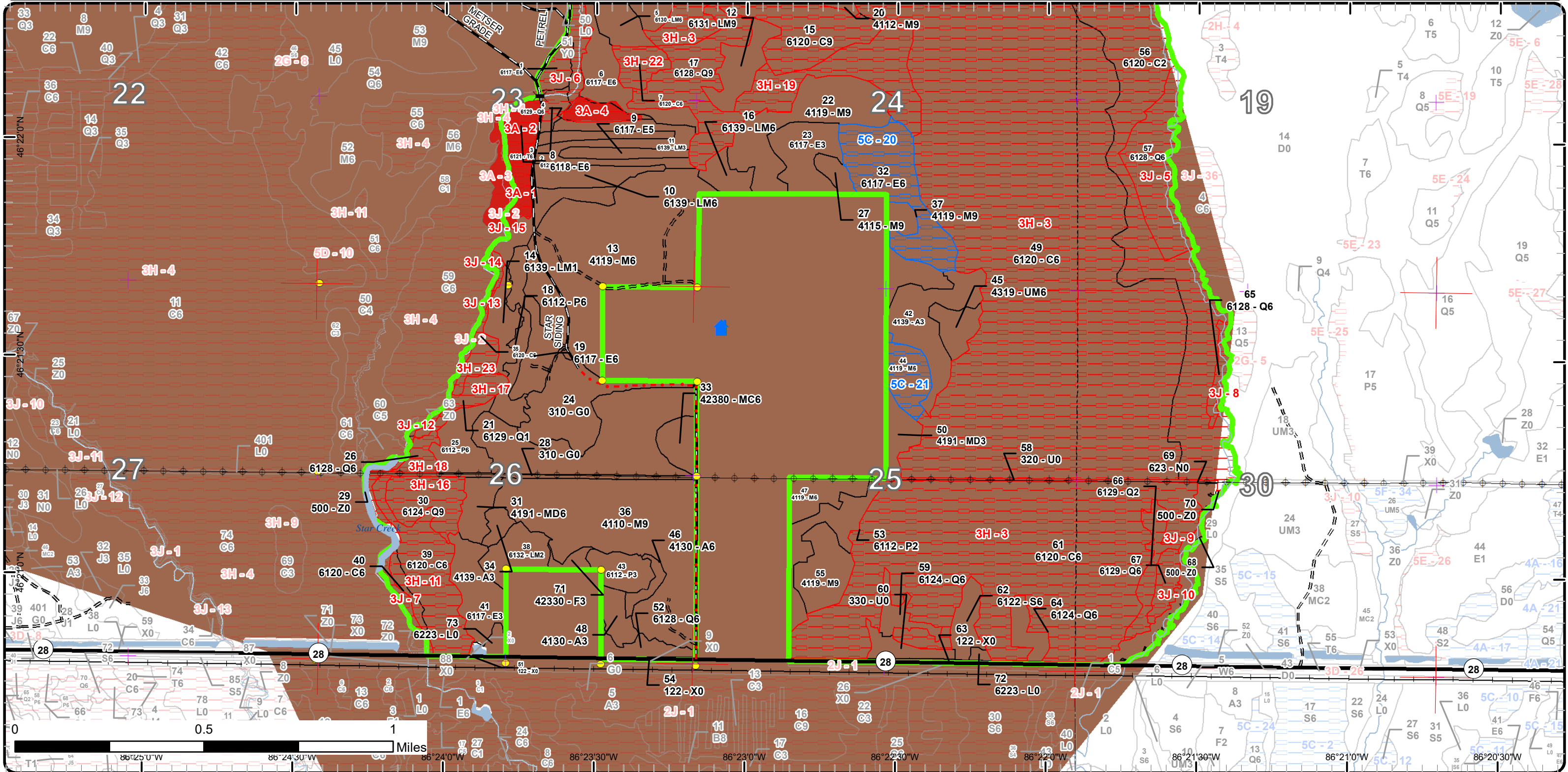


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86°25'0"W 86°24'30"W 86°24'0"W 86°23'30"W 86°23'0"W 86°22'30"W 86°22'0"W 86°21'30"W 86°21'0"W 86°20'30"W

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	0	28	7	0	3	0	0	0	0	0	0	0	0	0	0	0	0	37
Cedar	0	0	0	0	0	0	0	0	0	8	0	0	856	44	6	0	0	10	923
Herbaceous Openland	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Lowland Aspen/Balsam Poplar	0	0	15	22	13	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Lowland Conifers	0	0	0	0	0	0	12	7	45	16	16	0	6	75	0	13	0	0	188
Lowland Deciduous	0	0	0	0	67	11	0	0	34	34	0	0	0	0	0	0	0	0	146
Lowland Mixed Forest	0	0	21	0	0	38	0	20	0	0	0	0	0	0	0	0	0	0	79
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Spruce/Fir	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	8
Marsh	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	0	8	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	17
Northern Hardwood	0	0	0	0	0	0	0	186	221	0	0	0	0	0	0	0	0	0	407
Tamarack	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Conifers	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Mixed Forest	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	8
Upland Shrub	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	71	0	72	29	80	68	29	213	308	58	16	0	862	119	6	13	0	10	1948



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 189

Total Compartment Acres: 1,950

Commercial Harvest - 94
 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
Northern Hardwood		0	94	0	0	0	0	0	0	0	94
	Total	0	94	0	0	0	0	0	0	0	94

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		94	0	0	0	0	0	0	6	0	100
Next Step		0	0	0	0	0	94	0	0	0	94
	Total	94	0	0	0	0	94	0	6	0	195



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat
											Cut

Proposed Treatments:

13	41189013-Cut	94.4	4119 - Mixed Northern Hardwoods	Poletimber Well	75	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Single tree Selection: Mark stand to 80 BA following The Complete Marker. Some larger canopy gaps may be desirable around the cherry and yellow/paper birch if possible to regenerate those species and enhance any advanced regeneration that may be present. Do not cut hemlock. Leave one healthy spruce or fir tree per acre. Stand has to be cut after Oct. 15.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species currently growing on site.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
28	41189028-NF	6.0	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop /Grass Planting	310 - Herbaceous Openland		No
<p><u>Prescription</u> Opening Enhancement:</p> <p><u>Specs:</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing, liming)., chainsaw or mechanical removal of competing trees and establishment of native hard and soft mast producers such as red oak, mtn ash or others</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></p> <p><u>Regen:</u></p> <p><u>Other</u> W41-1616</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

Total Treatment Acreage Proposed: 100.4

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 189
Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		5C	3A	3D	3H	3J	5D	
38	38	0	0	Aspen							
924	0	0	924	Cedar				916	7	0	
34	34	0	0	Herbaceous Openland							
6	6	0	0	Low-Density Trees							
49	49	0	0	Lowland Aspen/Balsam Poplar							
188	19	0	169	Lowland Conifers		13		96	60		
147	100	34	13	Lowland Deciduous	34	7			6		
79	79	0	0	Lowland Mixed Forest		0					
4	4	0	0	Lowland Shrub							
8	8	0	0	Lowland Spruce/Fir							
12	12	0	0	Marsh							
17	17	0	0	Mixed Upland Deciduous							
407	395	12	0	Northern Hardwood	12						
4	1	0	3	Tamarack		0			3		
8	8	0	0	Upland Conifers							
8	8	0	0	Upland Mixed Forest							
5	5	0	0	Upland Shrub							
3	3	0	0	Upland Spruce/Fir							
6	6	0	0	Urban			0				
4	4	0	0	Water							
1,950	795	46	1,109	Total Forested Acres	46	20	0	1,012	76	0	
	41%	2%	57%	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	3A: Conservation Values incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
ERA							

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2	Unavailable	3A: Conservation Values incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Rich conifer swamp ERA</p>							
3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	868	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
4	Unavailable	3A: Conservation Values incompatible with harvest at this time	6	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: Rich conifer swamp ERA</p>							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	30	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments:</p>							

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8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard.							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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1	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	5.5	75	81-110	N/A	Mostly pole sized maple stand in the northern portion with a transition to birch/aspen in te southern part. There are pockets of cedar present.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	23	Log	10	75	Red Maple	Medium	Variable	Sapling
Red Maple	20	Pole	7		Paper Birch	Low	Variable	Sapling
Yellow Birch	4	Log/Pole	10		Quaking Aspen	Low	Variable	Sapling
Paper Birch	8	Pole	6		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	15	Pole	7		Black Spruce	Low	< 5 feet	Sapling
White Spruce	7	Pole	5		Northern White Cedar	Low	< 5 feet	Sapling
Black Spruce	7	Pole	5		Hemlock	Low	10 - 20 feet	Sapling
Northern White Cedar	10	Pole	7					
Black Cherry	6	Pole	8					

2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	7.6	120	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	8	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Yellow Birch	4	Pole	9		Balsam Fir	Medium	Variable	Sapling
Paper Birch	9	Pole/Sapling	6		Black Spruce	Low	< 5 feet	Sapling
Balsam Fir	22	Pole/Sapling	6		Black Ash	Low	10 - 20 feet	Sapling
Black Spruce	11	Pole	6		Black Cherry	Low	5 - 10 feet	Sapling
Northern White Cedar	40	Pole	8	120				
Tamarack	6	Pole	8					

3	6121 - Tamarack	Poletimber Well	4.5	47	1-50	N/A	The stand is very wet with a lot of young tamarack. Star Creek flows through a portion of it.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4		Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen	8	Sapling/Pole	3		Quaking Aspen	Medium	10 - 20 feet	Sapling
Balsam Fir	5	Sapling/Pole	4		Tamarack	High	10 - 20 feet	Sapling
Black Spruce	8	Sapling/Pole	4		Black Ash	Low	10 - 20 feet	Sapling
Northern White Cedar	5	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Tamarack	58	Pole/Sapling	5	47				
Paper Birch	6	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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4 6129 - Mixed Coniferous Lowland Forest Poletimber Well 12.5 140 51-80 N/A Star Creek flows through this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Sapling	5		Sugar Maple	Low	Variable	Sapling
Yellow Birch	3	Log	12		Red Maple	Low	Variable	Sapling
Paper Birch	8	Pole	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	5	Log	10		Black Spruce	Low	< 5 feet	Sapling
Balsam Fir	20	Pole	6	140	Northern White Cedar	Low	< 5 feet	Sapling
Black Spruce	9	Pole/Sapling	5		Black Ash	Low	10 - 20 feet	Sapling
Northern White Cedar	45	Pole	9	140	Black Cherry	Low	10 - 20 feet	Sapling
Tamarack	3	Pole	5					
White Pine	5	Log	10					

5 6130 - Fir, Aspen, Maple Poletimber Well 9.2 44 51-80 N/A Stand contains mostly sapling pole aspen with b fir

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	2		Red Maple	Medium	Variable	Sapling
Paper Birch	10	Sapling/Pole	2		Quaking Aspen	Medium	Variable	Sapling
Quaking Aspen	40	Pole/Sapling	5	44	Balsam Fir	Low	Variable	Sapling
Balsam Fir	30	Sapling/Pole	4		Northern White Cedar	High	10 - 20 feet	Sapling
Tamarack	5	Sapling	3		Tamarack	Low	Variable	Sapling
Northern White Cedar	10	Pole	6		Black Cherry	Low	Variable	Sapling
					Tag Alder	Low	5 - 10 feet	Tall Shrub

6 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 33.4 39 81-110 N/A This stand contains a mix of conifer and maple. The stand transitions from a conifer component to a deciduous one. It was selective harvested in 2003-2005 TS # 028-02.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole	8		American Elm	Low	5 - 10 feet	Sapling
Red Maple	28	Pole/Sapling	7	39	Red Maple	Medium	Variable	Sapling
Yellow Birch	9	Log	10		Beech	Low	< 5 feet	Sapling
Basswood	8	Pole	7		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole	9		Black Spruce	Low	Variable	Sapling
Black Spruce	5	Pole	6		Black Ash	Low	5 - 10 feet	Sapling
Northern White Cedar	10	Pole	7		Black Cherry	Low	Variable	Sapling
Hemlock	7	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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7	6120 - Lowland Cedar	Poletimber Well	7.8	89	1-50	N/A	This stand contains small diameter trees, mixture of deciduous trees and conifer trees. Aspen is also present with paper birch.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					2	Sapling/Pole	2	44	Red Maple			High	Variable	Sapling	
Paper Birch					2	Sapling	3		Yellow Birch			Low	Variable	Sapling	
Quaking Aspen					2	Pole/Sapling	5		Quaking Aspen			Medium	10 - 20 feet	Sapling	
Balsam Fir					14	Sapling/Pole	2		Balsam Fir			High	Variable	Sapling	
Black Spruce					15	Pole/Sapling	5		Black Spruce			Low	Variable	Sapling	
Northern White Cedar					60	Pole/Sapling	6	89	Black Ash			Low	Variable	Sapling	
Tamarack					5	Sapling	3								

8	6118 - Lowland Deciduous with Cedar	Poletimber Well	18.3	73	81-110	N/A	A LOT OF water. CEDAR/MAPLE/ASH(on east side of road . Primarily balsam fir in understory.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					20	Pole/Sapling	5		Red Maple			Medium	Variable	Sapling	
Yellow Birch					3	Pole/Sapling	6		Balsam Fir			Low	Variable	Sapling	
Balsam Fir					4	Sapling/Pole	4		Black Spruce			Low	5 - 10 feet	Sapling	
Black Spruce					7	Pole	7		Northern White Cedar			Medium	5 - 10 feet	Pole	
Northern White Cedar					27	Pole	7		Black Ash			High	Variable	Sapling	
Black Ash					39	Pole/Sapling	5	73							

9	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	11.2	47	1-50	N/A	Stand has been cut in the past with the neighboring stands. Stand contains a fairly equal mix of aspen, birch, and red maple. Fir, white pine, and spruce are present also.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Red Maple					22	Sapling	1	47	Red Maple			Medium	Variable	Sapling	
Paper Birch					25	Pole/Sapling	6	47	Paper Birch			Low	10 - 20 feet	Sapling	
Quaking Aspen					18	Sapling/Pole	4		Quaking Aspen			Medium	10 - 20 feet	Sapling	
Bigtooth Aspen					8	Pole/Log	9		Balsam Fir			Medium	Variable	Sapling	
Balsam Fir					10	Sapling/Pole	4		Black Spruce			Low	Variable	Sapling	
White Spruce					6	Sapling/Pole	4		Northern White Cedar			Medium	Variable	Sapling	
Northern White Cedar					5	Pole	5		Tamarack			Low	10 - 20 feet	Sapling	
White Pine					6	Pole/Log	9		Black Ash			Low	10 - 20 feet	Sapling	
									Black Cherry			Medium	10 - 20 feet	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10	6139 - Mixed Lowland Forest	Poletimber Well	10.6	47	1-50	N/A	Stand contains a mix of red maple, aspen, birch, fir, white pine, and spruce. Deciduous species seem to be the majority.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	4		Red Maple	Medium	Variable	Sapling
Paper Birch	19	Pole/Sapling	6	47	Paper Birch	Medium	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	6		Quaking Aspen	Medium	10 - 20 feet	Sapling
Balsam Poplar	10	Pole	5		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	11	Pole/Sapling	5		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	9	Sapling/Pole	4		Northern White Cedar	Low	5 - 10 feet	Sapling
Northern White Cedar	15	Pole/Sapling	5		Black Cherry	Medium	Variable	Sapling
Tamarack	8	Pole	8		Tag Alder	Low	< 5 feet	Tall Shrub
Black Cherry	8	Pole/Sapling	5					

11	6139 - Mixed Lowland Forest	Sapling Well	18.6	47	51-80	N/A	This stand is a mix of birch, aspen and red maple over conifer regeneration, which appears to be primarily balsam fir.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Sapling/Pole	3		Paper Birch	Low	Variable	Sapling
Yellow Birch	3	Sapling	2		Quaking Aspen	Medium	Variable	Sapling
Paper Birch	20	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	15	Pole	6		Black Spruce	Low	Variable	Sapling
Balsam Fir	22	Sapling	4	47	Northern White Cedar	Medium	Variable	Sapling
White Spruce	10	Sapling	3		Black Cherry	Low	Variable	Sapling
Black Spruce	9	Sapling	3		Tag Alder	Medium	Variable	Tall Shrub
Northern White Cedar	15	Pole/Sapling	5		Serviceberry (Juneberry)	Medium	Variable	Tall Shrub
Serviceberry (Juneberry)	4	Sapling	2					

12	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	13.1	64	81-110	N/A	Stand was thinned in 2003-2005. It contains mostly hemlock, large over mature yellow birch, and red maple.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	35	Pole/Sapling	6	64	Red Maple	Medium	Variable	Sapling
Yellow Birch	15	Pole/Sap/Log	8		Yellow Birch	Low	< 5 feet	Sapling
Balsam Fir	5	Sapling/Pole	4		Beech	Low	< 5 feet	Sapling
Black Spruce	5	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	5	Pole	6		Black Spruce	Low	< 5 feet	Sapling
White Pine	5	XLog/Log	18		Northern White Cedar	Low	10 - 20 feet	Pole
Hemlock	30	Log	14	90	Black Ash	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
13	4119 - Mixed Northern Hardwoods	Poletimber Well	94.4	75	111-140	N/A	A hardwood stand on higher ground. A lot of sugar maple was taken out in the last harvest in 2003-2005. TS#028-02. stand is now grown into a denser stand.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Sugar Maple		33	Log	14	75	Sugar Maple		
Red Maple		20	Log/Pole	12		Red Maple		
Yellow Birch		8	Pole	8		Basswood		
Basswood		10	Pole	8		Beech		
Paper Birch		3	Pole	6		Density		
Quaking Aspen		5	Pole	8		Avg. Height		
Balsam Fir		5	Pole/Sapling	5		Size		
Hemlock		4	Pole	6				
Black Cherry		12	Pole	9				
14	6139 - Mixed Lowland Forest	Sapling Poor	9.0	13	1-50	N/A		Harvested in 2005-2008. Everything was cut except hemlock, white pine, and aspen. 50-100 ft. bufferstrip was left along Star Creek. Stand is prescribed to be handplanted with cedar seedlings (but was never treated) and aspen regeneration is discouraged, but acceptable. Single clumps of cedar were left with some birch, spruce, and red maple scattered about. Conifer regeneration is flourishing. 2019: cedar regent looks good, with most trees 1 to 3 ft tall.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Paper Birch		20	Sapling	2		Quaking Aspen		
Quaking Aspen		35	Sapling/Pole	2	13	Balsam Fir		
Black Spruce		15	Sapling/Pole	4		Black Spruce		
Northern White Cedar		15	Sapling	1		Black Ash		
Tamarack		15	Sapling	2		Tag Alder		
						Northern White Cedar		
						Density		
						Avg. Height		
						Size		
15	6120 - Lowland Cedar	Sawtimber Well	43.8	120	171-200	N/A	Stand contains medium to large diameter cedar with a mix of lowland deciduous trees.	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		
Red Maple		11	Sapling/Pole	4		Black Spruce		
Yellow Birch		7	Pole/Sapling	6		Black Ash		
Balsam Fir		5	Pole/Sapling	6		Red Maple		
Black Spruce		5	Pole/Sapling	6		Balsam Fir		
Northern White Cedar		65	Log/Pole	10	120	Density		
White Pine		3	XLog/Log	18		Avg. Height		
Hemlock		4	Log/Pole	12		Size		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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16	6139 - Mixed Lowland Forest	Poletimber Well	6.5	65	51-80	N/A	Stand contains a mix of pole sized deciduous species, with some conifer species mixed in.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	14	Pole/Sapling	5	65	Red Maple	Medium	10 - 20 feet	Sapling
Yellow Birch	5	Sapling/Pole	4		Quaking Aspen	Medium	5 - 10 feet	Sapling
Paper Birch	8	Sapling/Pole	4		Black Spruce	Low	10 - 20 feet	Sapling
Quaking Aspen	11	Sapling/Pole	4		Northern White Cedar	Low	10 - 20 feet	Sapling
Balsam Fir	12	Pole/Sapling	5		Black Ash	Medium	5 - 10 feet	Pole
Black Spruce	10	Pole/Sapling	5		Black Cherry	Medium	5 - 10 feet	Sapling
Northern White Cedar	9	Pole/Sapling	6		Tag Alder	Medium	< 5 feet	Tall Shrub
Tamarack	8	Pole/Sapling	5		Red Osier Dogwood	Low	10 - 20 feet	Tall Shrub
White Pine	6	Pole	7					
Black Ash	10	Sapling	4					
Black Cherry	7	Sapling/Pole	4					

17	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	67.5	120	111-140	N/A	VARIOUS DENSITIES/SIZES OF CEDAR WITH A MIX OF SPRUCE/FIR AND MAPLE/ASH/YB.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Log	10		Red Maple	Low	Variable	Sapling
Yellow Birch	5	Pole/Sapling	6		Yellow Birch	Low	Variable	Sapling
Balsam Fir	5	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Black Spruce	5	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Northern White Cedar	41	Pole/Log	9	120	Northern White Cedar	Medium	5 - 10 feet	Pole
Tamarack	4	Pole	6		Black Ash	High	Variable	Sapling
Hemlock	20	Log	12					
Black Ash	5	Pole/Sapling	7					

18	6112 - Lowland Aspen	Poletimber Well	12.6	29	111-140	N/A	Stand contains sapling sized aspen and b. fir with mix of fir, spruce, red maple, and cherry regeneration.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	75	Pole/Sapling	5	29	Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	25	Sapling/Pole	4		Quaking Aspen	High	Variable	Sapling
					Balsam Fir	Low	5 - 10 feet	Sapling
					Black Spruce	Low	5 - 10 feet	Sapling
					Black Cherry	Low	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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19 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 10.3 73 81-110 N/A Variable densities and composition in this stand; located on a downslope between upland hardwoods (stand 13) to the east and lowland types along Star Creek to the west. Understory is heavy with fir.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	20	Pole/Log	8	73	Red Maple	Low	Variable	Sapling
Red Maple	17	Pole/Log	8		Balsam Fir	High	Variable	Sapling
Beech	10	Pole	6		White Pine	Low	Variable	Sapling
Paper Birch	8	Sapling/Pole	4		Hemlock	Low	Variable	Sapling
Quaking Aspen	9	Pole/Log	8		Black Cherry	Medium	Variable	Sapling
Bigtooth Aspen	5	Sapling/Pole	4					
Balsam Fir	15	Sapling/Pole	4					
Black Spruce	8	Pole/Log	8					

20 4112 - Maple, Beech, Cherry Association Sawtimber Well 96.5 73 81-110 N/A Stand was selective harvested in 2003-2005. Composition is variable between lowland hardwoods and conifers with hardwoods being more dominant. Conifer regeneration is sparse with balsam fir being the majority.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	60	Log	12	73	Sugar Maple	Low	Variable	Sapling
Red Maple	20	Log	12		Red Maple	High	Variable	Sapling
Yellow Birch	3	Pole/Log	8		Basswood	Low	Variable	Sapling
Basswood	6	Pole/Sap/Log	9		Beech	Medium	Variable	Sapling
Balsam Fir	4	Pole/Sapling	5		Balsam Fir	Medium	< 5 feet	Sapling
Black Spruce	3	Sapling/Pole	4		Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	2	Pole	5					

21 6129 - Mixed Coniferous Lowland Forest Sapling Poor 8.6 89 1-50 N/A openish area along the creek dead cedar present from flooding

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Sapling	4		Red Maple	Low	5 - 10 feet	Sapling
Quaking Aspen	5	Sapling	4	22	Quaking Aspen	Medium	5 - 10 feet	Sapling
Balsam Fir	20	Pole/Sapling	5		Balsam Fir	Medium	Variable	Sapling
Black Spruce	20	Sapling	4		Black Spruce	Low	Variable	Sapling
Northern White Cedar	30	Sapling/Pole	4	89	Tag Alder	Medium	< 5 feet	Tall Shrub
Tamarack	20	Pole	5		Red Osier Dogwood	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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22	4119 - Mixed Northern Hardwoods	Sawtimber Well	33.9	64	51-80	N/A	A lowland deciduous stand with mixed conifer species in it, which also contains hemlock. Regeneration majority seems to be conifer.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	25	Log/Pole	10		Sugar Maple	Medium	Variable	Sapling
Red Maple	31	Log/Pole	10	64	Red Maple	Medium	Variable	Sapling
Yellow Birch	9	Pole/Sap/Log	8		Yellow Birch	Low	Variable	Sapling
Basswood	14	Log/Pole	10		Beech	Low	< 5 feet	Sapling
Paper Birch	3	Pole/Sap/Log	7		Balsam Fir	High	Variable	Sapling
Balsam Fir	4	Pole/Sapling	5		Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	5	Pole	7		Northern White Cedar	Low	10 - 20 feet	Pole
Hemlock	9	Log	10		Hemlock	Medium	Variable	Pole
					Black Ash	Low	Variable	Sapling

23	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	17.0	32	1-50	N/A	Stand contains sapling sized deciduous trees, the majority being aspen with conifer component.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	15	Sapling	3		Red Maple	Medium	Variable	Sapling
Yellow Birch	7	Sapling	2		Paper Birch	Low	Variable	Sapling
Paper Birch	5	Sapling	2		Quaking Aspen	High	Variable	Sapling
Quaking Aspen	33	Sapling	3	32	Balsam Fir	Medium	Variable	Sapling
Balsam Fir	8	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Black Spruce	3	Sapling	3		Northern White Cedar	Low	Variable	Pole
Black Spruce	5	Sapling/Pole	4		Black Cherry	Medium	Variable	Sapling
Northern White Cedar	5	Pole	5					
Hemlock	3	Pole	9					
Black Ash	7	Sapling	2					
Black Cherry	9	Sapling	2					

24	310 - Herbaceous Openland	Nonstocked	28.3		Immature	Managed Opening	stand was farmed 2011. Spotted knapweed has since taken over opening.
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Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	5 - 10 feet	Sapling
Apple (spp.)	Low	< 5 feet	Sapling

25	6112 - Lowland Aspen	Poletimber Well	12.6	38	111-140	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Sapling/Pole	4	38	Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	25	Pole/Sapling	5		Balsam Fir	High	Variable	Sapling
Black Spruce	5	Pole/Sapling	5		Black Spruce	Medium	5 - 10 feet	Sapling
Paper Birch	10	Sapling/Pole	4		Black Cherry	Low	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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26 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 5.5 119 81-110 N/A Contains a mix of spruce, cedar, tamarack, red maple, birch, and fir.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	3	Sapling/Pole	4		Red Maple	Low	Variable	Sapling
Paper Birch	15	Pole	5		Paper Birch	Low	Variable	Sapling
Quaking Aspen	2	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Pole	5		Black Spruce	Low	Variable	Sapling
Black Spruce	15	Pole	6		Northern White Cedar	Medium	5 - 10 feet	Pole
Northern White Cedar	45	Pole	8	119	Tag Alder	Low	< 5 feet	Tall Shrub
Tamarack	10	Pole/Sapling	7					

27 4115 - Y.Birch, Hemlock NH Sawtimber Well 4.1 75 51-80 N/A Stand contains a mixture of maple and yellow birch with hemlock trees. There are high densities of sapling sized b. fir

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	24	Log/Pole	10	75	Sugar Maple	Low	Variable	Sapling
Red Maple	23	Log/Pole	10		Red Maple	Medium	Variable	Sapling
Yellow Birch	17	Log/Pole/XLog	10		Beech	Low	< 5 feet	Sapling
Basswood	7	Log/Pole	10		Balsam Fir	Full	Variable	Sapling
Balsam Fir	11	Pole/Sapling	6		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	5	Pole	5		Hemlock	Low	Variable	Sapling
Northern White Cedar	3	Log	12					
Hemlock	10	Pole	7					

28 310 - Herbaceous Openland Nonstocked 6.0 Unspecified Managed Opening Power line is a managed opening for wildlife, food plot actively Summer 2014, Treatment was completed, FTP will stay open for additional work to be done. Under W41-1616: "Powerline":
*Stand cleared and farmed, 2014.
*Re-farmed, planted clover/rye, 2018.
*Mowed 2015, 2016, 2017, 2019.

29 500 - Water Nonstocked 2.6 No Star Creek

30 6124 - Lowland Spruce-Fir Sawtimber Well 16.1 97 141-170 N/A This stand contains a mixture of spruce, fir, and aspen. Some trace amounts of red maple and birch are present. The east side of the stand has slightly higher ground with more hardwoods than the west side. The west side is lower and more saturated.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	15	Pole/Sapling	5		Red Maple	Low	< 5 feet	Sapling
Quaking Aspen	10	Log	12		Balsam Fir	Medium	< 5 feet	Pole
Balsam Fir	20	Pole	7		Black Cherry	Low	Variable	Sapling
Black Spruce	45	Log	10	97				
Northern White Cedar	10	Pole	8	97				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 8.7 58 51-80 N/A Transition stand from a conifer to hardwood component that contains mostly pole sized red maple with a lot of conifer regen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole	8	58	Sugar Maple	Low	10 - 20 feet	Pole
Red Maple	5	Pole	8		Red Maple	Low	10 - 20 feet	Sapling
Paper Birch	20	Pole	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	3	Pole/Sapling	5		White Spruce	Low	Variable	Sapling
Balsam Fir	20	Pole/Sapling	5					
White Pine	2	Log	12					
Yellow Birch	10	Pole/Log	8					

32 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 34.0 80 81-110 N/A A lot of the balsam component has died out. The understory is extremely variable. Transitional area between slightly elevated hardwood stand to the west and cedar stand to the east.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	12	Pole	6		Red Maple	Medium	Variable	Sapling
Yellow Birch	7	Sapling	4		Paper Birch	Low	Variable	Sapling
Paper Birch	7	Sapling	4		Quaking Aspen	Medium	Variable	Sapling
Quaking Aspen	11	Pole	5		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	10	Sapling/Pole	4		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	11	Pole	7		Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	10	Pole	8		Black Ash	Medium	Variable	Sapling
Tamarack	8	Pole	8		Black Cherry	Low	Variable	Pole
Black Ash	16	Pole	5	80	Tag Alder	Medium	< 5 feet	Tall Shrub

33 42380 - Non Pine Upland Conifer, Mixed Deciduous Poletimber Well 8.0 44 81-110 N/A This is a small upland mixed deciduous and conifer stand. It has large openings with thick vegetation around it.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	15	Pole/Log	9		Sugar Maple	Medium	< 5 feet	Sapling
American Elm	2	Pole	8		Red Maple	Low	< 5 feet	Sapling
Red Maple	6	Pole/Log	8		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	7	Pole/Sapling	5		Black Spruce	Low	< 5 feet	Sapling
Balsam Fir	25	Pole/Sapling	6	44	Northern White Cedar	Low	Variable	Sapling
White Spruce	23	Pole/Sapling	6		Black Cherry	Medium	5 - 10 feet	Sapling
Northern White Cedar	20	Pole	6					
Ironwood	2	Pole/Sapling	6					

34 4139 - Aspen, Mixed Deciduous Sapling Well 3.5 15 Immature N/A clearcut stand with red maple b cherry and balsam fir growing in lots of Aspen

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	50	Sapling	2	15	Balsam Fir	Medium	< 5 feet	Sapling
Red Maple	20	Sapling	2					
Black Cherry	15	Sapling	2					
Balsam Fir	15	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																		
35	6120 - Lowland Cedar	Poletimber Well	10.3	86	111-140	N/A																																																																																			
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36	4110 - Sugar Maple Association	Sawtimber Well	128.4	68	81-110	N/A	Hardwood stand occurring on slightly higher ground than its west counterpart. The understory is open with little regeneration. It also contains cedar patches.																																																																																		
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37	4119 - Mixed Northern Hardwoods	Sawtimber Well	12.0	64	81-110	N/A	A mixed hardwood stand containing maple with a conifer component mixed in. Balsam fir makes up the majority within the conifers. This area was thinned in the winter of 2002-2003. TS#047-98-01.																																																																																		
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38	6132 - Mixed Lowland Forest with Cedar	Sapling Medium	11.7	15	Immature	N/A	This stand contains aspen regeneration in a wet, lowland area with various amounts of cedar/spruce. The stand was harvested in the recent past.																																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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39 6120 - Lowland Cedar Poletimber Well 30.9 118 81-110 N/A Thick cedar stand with some spruce and other tree species.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Pole/Sapling	6		Red Maple	Low	Variable	Sapling
Paper Birch	4	Pole/Sapling	6		Balsam Fir	Medium	< 5 feet	Sapling
Quaking Aspen	7	Pole/Sapling	5		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	13	Pole/Sapling	5		Northern White Cedar	Low	Variable	Sapling
Northern White Cedar	62	Pole/Log	9	118	Labrador Tea	Low	< 5 feet	Tall Shrub
Tamarack	7	Pole	6					

40 6120 - Lowland Cedar Poletimber Well 6.4 130 81-110 N/A It is located on the east bank of Star Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Yellow Birch	5	Pole/Sapling	5		Yellow Birch	Low	Variable	Sapling
Black Spruce	10	Pole/Sapling	5		Black Spruce	Low	Variable	Sapling
Northern White Cedar	60	Pole	6	130	Northern White Cedar	Medium	Variable	Sapling
Tamarack	20	Pole/Sapling	7					

41 6117 - Lowland Deciduous, Mixed Coniferous Sapling Well 16.8 39 141-170 N/A Sapling sized aspen/deciduous stand with some conifer trees mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	11	Sapling	3		Red Maple	Medium	Variable	Sapling
Red Maple	11	Sapling	3		Paper Birch	Low	Variable	Sapling
Paper Birch	12	Sapling	3		Quaking Aspen	High	Variable	Sapling
Quaking Aspen	27	Sapling	4	39	Balsam Poplar	Low	Variable	Sapling
Balsam Poplar	8	Sapling	3		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	18	Sapling	4		Black Spruce	Low	Variable	Sapling
Black Spruce	6	Sapling/Pole	4		Northern White Cedar	Low	5 - 10 feet	Sapling
Northern White Cedar	7	Pole	5		Tag Alder	Low	< 5 feet	Tall Shrub
					Red Osier Dogwood	Low	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42 4139 - Aspen, Mixed Deciduous Sapling Well 24.1 17 Immature N/A Sapling sized aspen with other deciduous and conifer trees mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Sapling	2		Red Maple	Low	Variable	Sapling
Red Maple	12	Sapling	2		Paper Birch	Low	Variable	Sapling
Yellow Birch	4	Sapling	2		Quaking Aspen	High	Variable	Sapling
Beech	5	Sapling	2		Black Spruce	Low	< 5 feet	Sapling
Paper Birch	5	Sapling	3		Northern White Cedar	Low	Variable	Sapling
Quaking Aspen	42	Sapling	2	17	Black Cherry	Medium	Variable	Sapling
Balsam Fir	3	Sapling/Pole	4					
Black Spruce	9	Sapling	3					
Tamarack	4	Sapling	2					
Black Cherry	11	Sapling	2					

43 6112 - Lowland Aspen Sapling Well 9.1 29 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	3	Sapling	2		Red Osier Dogwood	Low	< 5 feet	Tall Shrub
Paper Birch	2	Sapling	1		Willow spp.	Low	Variable	Tall Shrub
Quaking Aspen	30	Sapling	1	29				
Bigtooth Aspen	30	Sapling	1					
Balsam Poplar	5	Sapling	1					
Balsam Fir	15	Sapling	2					
Black Spruce	13	Sapling	2					
Tamarack	2	Sapling	1					

44 4119 - Mixed Northern Hardwoods Poletimber Well 11.8 64 111-140 N/A Pole sized hardwood stand with some conifer mixed in the understory. The stand was thinned in the winter of 2002-2003. TS# 047-98-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	18	Pole	8		Sugar Maple	Medium	Variable	Sapling
Red Maple	42	Pole	8	64	Red Maple	Medium	Variable	Sapling
Yellow Birch	7	Log	10		Beech	Medium	< 5 feet	Sapling
Basswood	10	Pole	8		Balsam Fir	High	Variable	Sapling
Beech	10	Log	10		Black Spruce	Low	< 5 feet	Sapling
Hemlock	8	Pole	9		Hemlock	Low	10 - 20 feet	Sapling
Black Cherry	5	Pole	5		Black Cherry	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																			
45	4319 - Mixed Upland Forest	Poletimber Well	8.0	71	81-110	N/A	Contains mixed hardwoods with a conifer component mixed in. Red maple and fir make up the majority regeneration. Stand was thinned in the winter of 2002-2003. TS#047-98-01.																																																																																			
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46	4130 - Aspen	Poletimber Well	3.4	41	111-140	N/A	Narrow stand, containing mostly aspen with a lot of maple in the understory. Balsam fir is present along the edge.																																																																																			
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47	4119 - Mixed Northern Hardwoods	Poletimber Well	9.9	72	81-110	N/A	Stand was thinned in the winter of 2002-2003. TS#047-98-01.																																																																																			
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48	4130 - Aspen	Sapling Well	6.5	23	Immature	N/A	Stand contains lot of aspen regeneration in the southern portion of the stand. The northern portion has more balsam fir regeneration. The aspen was recently cut.																																																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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49	6120 - Lowland Cedar	Poletimber Well	493.1	119	171-200	N/A	Cedar complex with larger trees in the northern portion of the stand with smaller closing spaced trees towards the east. Natural processes are creating a mosaic of age classes/densities.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Sapling/Pole	4	
Yellow Birch	2	Pole/Sapling	6	
Paper Birch	3	Pole	7	
Quaking Aspen	2	Pole	6	
Balsam Fir	4	Pole/Sapling	5	
Black Spruce	3	Sapling/Pole	4	
Northern White Cedar	73	Pole	7	119
Tamarack	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	Low	Variable	Sapling
Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	High	Variable	Sapling
Tamarack	Medium	Variable	Sapling
Black Ash	Low	5 - 10 feet	Sapling
Black Cherry	Low	5 - 10 feet	Tall Shrub

50	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	8.3	17	Immature	N/A	Sapling sized aspen with mixed hardwoods and a few conifer trees. Stand was harvested in the winter of 2002-2003 TS# 047-98-01.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Sapling	2	
Red Maple	21	Sapling	2	
Quaking Aspen	32	Sapling	1	17
Balsam Fir	6	Sapling/Pole	3	
Black Spruce	10	Sapling/Pole	4	
Northern White Cedar	5	Sapling/Pole	3	
Black Cherry	16	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Black Spruce	Low	< 5 feet	Sapling
Black Cherry	Medium	Variable	Sapling
Tag Alder	Low	< 5 feet	Tall Shrub

51	122 - Road/Parking Lot	Nonstocked	0.7			No	m-28
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52	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	6.6	60	111-140	N/A	Mixed stand of deciduous and coniferous trees.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	12	Sapling/Pole	2	
Paper Birch	6	Pole/Sapling	8	
Hemlock	10	Log/Pole	12	
Quaking Aspen	10	Sapling/Pole	5	
Balsam Poplar	4	Sapling/Pole	5	
Balsam Fir	15	Pole/Sapling	7	
Black Spruce	18	Pole/Sapling	6	60
Northern White Cedar	15	Sapling/Pole	5	
Tamarack	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Paper Birch	Low	10 - 20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	Medium	Variable	Pole
Black Ash	Low	10 - 20 feet	Sapling
Tag Alder	Low	< 5 feet	Tall Shrub
Willow spp.	Medium	5 - 10 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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53 6112 - Lowland Aspen Sapling Medium 14.9 17 Immature N/A Stand was harvested in the winter of 2002-2003. TS#047-98-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	5	Sapling	2		Sugar Maple	Medium	Variable	Sapling
Red Maple	5	Sapling	2		Red Maple	Medium	Variable	Sapling
Yellow Birch	3	Sapling	2		Beech	Low	< 5 feet	Sapling
Basswood	3	Sapling	2		Paper Birch	Low	5 - 10 feet	Sapling
Beech	3	Sapling	2		Quaking Aspen	Low	5 - 10 feet	Sapling
Quaking Aspen	70	Sapling	3	17	Balsam Fir	Low	Variable	Sapling
Balsam Fir	6	Sapling	3					
Black Cherry	5	Sapling	2					

54 122 - Road/Parking Lot Nonstocked 1.0 No M-28

55 4119 - Mixed Northern Hardwoods Sawtimber Well 15.8 75 81-110 N/A Stand was thinned in the winter of 2002-2003. TS#047-98-01.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	26	Log	10	75	Sugar Maple	Medium	Variable	Sapling
Red Maple	22	Log	10		Red Maple	Medium	Variable	Sapling
Yellow Birch	9	Pole	9		Beech	Medium	< 5 feet	Sapling
Basswood	21	Log	10		Balsam Fir	Medium	Variable	Sapling
Beech	9	Log	10		Black Spruce	Low	< 5 feet	Sapling
Balsam Fir	3	Pole/Sapling	5		Hemlock	Low	10 - 20 feet	Pole
Black Spruce	3	Sapling/Pole	4					
Black Cherry	7	Pole	8					

56 6120 - Lowland Cedar Sapling Medium 108.5 119 N/A Similar to stand 49, but trees are smaller and less dense. Area is much more saturated with Commencement Creek running along its eastern border.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Sapling/Pole	3		Red Maple	Low	Variable	Sapling
Paper Birch	8	Pole/Sapling	4		Quaking Aspen	Low	Variable	Sapling
Quaking Aspen	10	Sapling/Pole	4		Northern White Cedar	Medium	Variable	Sapling
Black Spruce	8	Sapling/Pole	3		Black Ash	Medium	Variable	Sapling
Northern White Cedar	56	Sapling/Pole	5	119				
Black Ash	8	Sapling	2					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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57 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 29.9 71 1-50 N/A Mixed conifer stand on the west bank of Commencement Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole	5		Paper Birch	Low	5 - 10 feet	Sapling
Paper Birch	13	Pole	6		Quaking Aspen	Medium	5 - 10 feet	Sapling
Quaking Aspen	12	Sapling/Pole	3		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	26	Pole	5	71	Northern White Cedar	Low	< 5 feet	Sapling
Northern White Cedar	16	Sapling/Pole	4		Black Ash	Medium	5 - 10 feet	Pole
Tamarack	15	Pole/Log	9		Tag Alder	Full	5 - 10 feet	Tall Shrub
White Pine	5	Log	10					
Black Ash	11	Sapling	2					

58 320 - Upland Shrub Nonstocked 4.5 No Power line

59 6124 - Lowland Spruce-Fir Poletimber Well 5.9 54 1-50 N/A Small diameter stand spruce stand with varying densities.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	4	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Balsam Fir	16	Pole/Sapling	6		Black Spruce	Low	Variable	Sapling
Black Spruce	39	Pole/Sapling	5	54	Northern White Cedar	Low	Variable	Sapling
Northern White Cedar	24	Pole/Sapling	6		Black Cherry	Low	Variable	Sapling
Tamarack	14	Pole	7		Tag Alder	Full	< 5 feet	Tall Shrub
White Pine	3	Log/Pole/XLog	12					

60 330 - Low-Density Trees Nonstocked 6.2 No

61 6120 - Lowland Cedar Poletimber Well 222.9 119 51-80 N/A Dense cedar stand with varying densities. Mix of other conifers and deciduous trees are present. Natural processes are creating a mosaic of age classes/densities within this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	7	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Balsam Fir	3	Sapling/Pole	4		Black Spruce	Low	< 5 feet	Sapling
Black Spruce	13	Pole/Sapling	6		Northern White Cedar	Medium	Variable	Sapling
Northern White Cedar	70	Pole/Sapling	6	119				
Tamarack	4	Pole	6					
White Pine	3	Log/Pole/XLog	12					

62 6122 - Black Spruce Poletimber Well 8.0 54 1-50 N/A Small diameter spruce stand with varying densities.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	6	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Black Spruce	79	Pole/Sapling	6	54	Balsam Fir	Low	Variable	Sapling
Tamarack	10	Pole	6		Black Spruce	Low	Variable	Sapling
White Pine	5	Log/Pole/XLog	12		Northern White Cedar	Low	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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63 122 - Road/Parking Lot Nonstocked 4.5 No M-28

64 6124 - Lowland Spruce-Fir Poletimber Well 6.3 54 81-110 N/A Stand contains mostly spruce, tamarack, and cedar. Basal area varies within this stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	8	Pole/Sapling	5		Red Maple	Low	Variable	Sapling
Paper Birch	5	Pole/Sapling	6		Balsam Fir	Low	Variable	Sapling
Quaking Aspen	5	Pole/Sapling	7		Black Spruce	Low	Variable	Sapling
Balsam Fir	5	Pole/Sapling	6		Tag Alder	Medium	< 5 feet	Tall Shrub
Black Spruce	47	Pole/Log	9	54				
Northern White Cedar	14	Pole	6					
Tamarack	13	Pole	9					
White Pine	3	Log/Pole/XLog	12					

65 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 5.1 71 1-50 N/A This is a mixed conifer stand on the west bank of Commencement Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	14	Pole/Sapling	5		Paper Birch	Low	Variable	Sapling
Quaking Aspen	8	Sapling/Pole	4		Quaking Aspen	Low	5 - 10 feet	Sapling
Black Spruce	28	Pole	6	71	Black Spruce	Medium	Variable	Sapling
Northern White Cedar	11	Sapling	3		Northern White Cedar	Medium	5 - 10 feet	Sapling
Tamarack	14	Pole	6		Tamarack	Low	Variable	Sapling
White Pine	16	Log	12		Black Ash	Low	5 - 10 feet	Sapling
Black Ash	9	Sapling/Pole	2		Tag Alder	Medium	< 5 feet	Tall Shrub

66 6129 - Mixed Coniferous Lowland Forest Sapling Medium 9.9 71 81-110 N/A A mixed coniferous stand. The overstory is dying out, maybe due to wet conditions.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	6	Pole/Sapling	5		Black Spruce	Medium	Variable	Sapling
Black Spruce	38	Sapling/Pole	4	71	Northern White Cedar	Low	< 5 feet	Sapling
Northern White Cedar	27	Sapling/Pole	4		Black Ash	Low	Variable	Sapling
Tamarack	24	Sapling/Pole	4		Tag Alder	Full	< 5 feet	Tall Shrub
Black Ash	5	Sapling/Pole	2					

67 6129 - Mixed Coniferous Lowland Forest Poletimber Well 6.5 81 1-50 N/A This is a spruce stand containing low basal area and tree size. It is located on the west bank of Commencement Creek.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	9	Pole/Sapling	5		Paper Birch	Low	Variable	Sapling
Black Spruce	32	Pole/Sapling	5	81	Black Spruce	Low	< 5 feet	Sapling
Northern White Cedar	26	Pole/Sapling	5		Northern White Cedar	Medium	10 - 20 feet	Sapling
Tamarack	23	Pole	8		Tamarack	Low	Variable	Sapling
White Pine	10	Log	10		Tag Alder	Full	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
68	500 - Water	Nonstocked	0.1			No																																							
69	623 - Emergent Wetland	Nonstocked	11.8			No																																							
70	500 - Water	Nonstocked	1.1			No	Commencement Creek																																						
71	42330 - Upland Fir	Sapling Well	2.8	48	81-110	N/A	balsam fir of all ages.																																						
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>80</td> <td>Sapling/Pole</td> <td>4</td> <td>48</td> </tr> <tr> <td>White Spruce</td> <td>15</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>5</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Balsam Fir	80	Sapling/Pole	4	48	White Spruce	15	Sapling/Pole	4		Red Maple	5	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Cherry</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Ironwood</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	< 5 feet	Sapling	Black Cherry	Low	10 - 20 feet	Sapling	Ironwood	Low	10 - 20 feet	Sapling	Red Maple	Low	5 - 10 feet	Sapling		
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72	6223 - Inundated Shrub Swamp	Nonstocked	1.0	0		No																																							
73	6223 - Inundated Shrub Swamp	Nonstocked	2.9	0		No																																							