



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41154

Entry Year 2025

Acreage: 2,328

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Scott Kentner

Legal Description:

T46N R15W Sections 4-9, 16-18

Identified Planning Goals:

Vegetative management in the Seney Manistique Swamp MA will provide timber products; maintain or enhance wildlife habitat; protect areas of unique character, including rich conifer swamp, patterned fen and dry mesic northern forest ERAs and deer wintering area SCAs; and provide for forest based recreational uses.

Soil and topography:

Autrain Loamy Sand, Seney Complex. Topography is flat with areas of low that will hold water for most of the year.

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

The compartment has broken ownership within the boundaries. The majority of private land is owned by the Forest Land Group. Their lands consist mainly of clearcuts or hardwoods with low basal area.

Unique Natural Features:

Seney Fire occurred in this compartment

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

No comments.

Wildlife Habitat Considerations:

This compartment lies north of the Seney Stretch in the Seney Sand Lake Plain sub-subsection. The upland forest in 1850 was dominated by hemlock, white birch, beech white pine, and red maple. Aspen and jack pine were also present. Lowlands contained spruce, jack pine and tamarack.

The present forests display a substantial increase in jack pine compared to the 1850 forest conditions. However, there remains a strong component of each tree species that was found 150 years ago.

Wildlife habitat objectives include maintaining forested travel corridors, enhancing the hemlock and yellow birch components, and providing age and structural diversity across both deciduous and coniferous forest stands.

Wildlife species of special interest potentially utilizing this compartment include moose, spruce grouse, and black-backed woodpeckers.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River Group subgroups below the glacial drift. The Black River is used for stone/dolomite in the UP. Gravel pits are not located in the area and potential appears to be limited. There is no commercial oil and gas production in the UP.

Vehicle Access:

All access is from the Walsh Grade from M-28. Accessing stands is fair through the compartment from the Walsh Grade.

Survey Needs:

There are no known land survey needs at this time.

Recreational Facilities and Opportunities:

There are no developed recreation facilities within this compartment.

Fire Protection:

The timber types are mainly hardwood and lowland conifers reducing the chances of any large wildland fire occurrences.

Additional Compartment Information:

The following reports from the Inventory are attached:

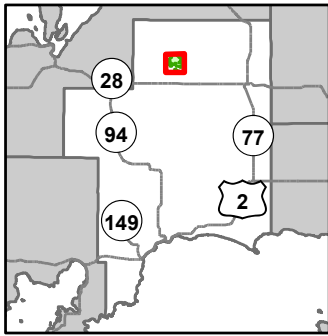
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

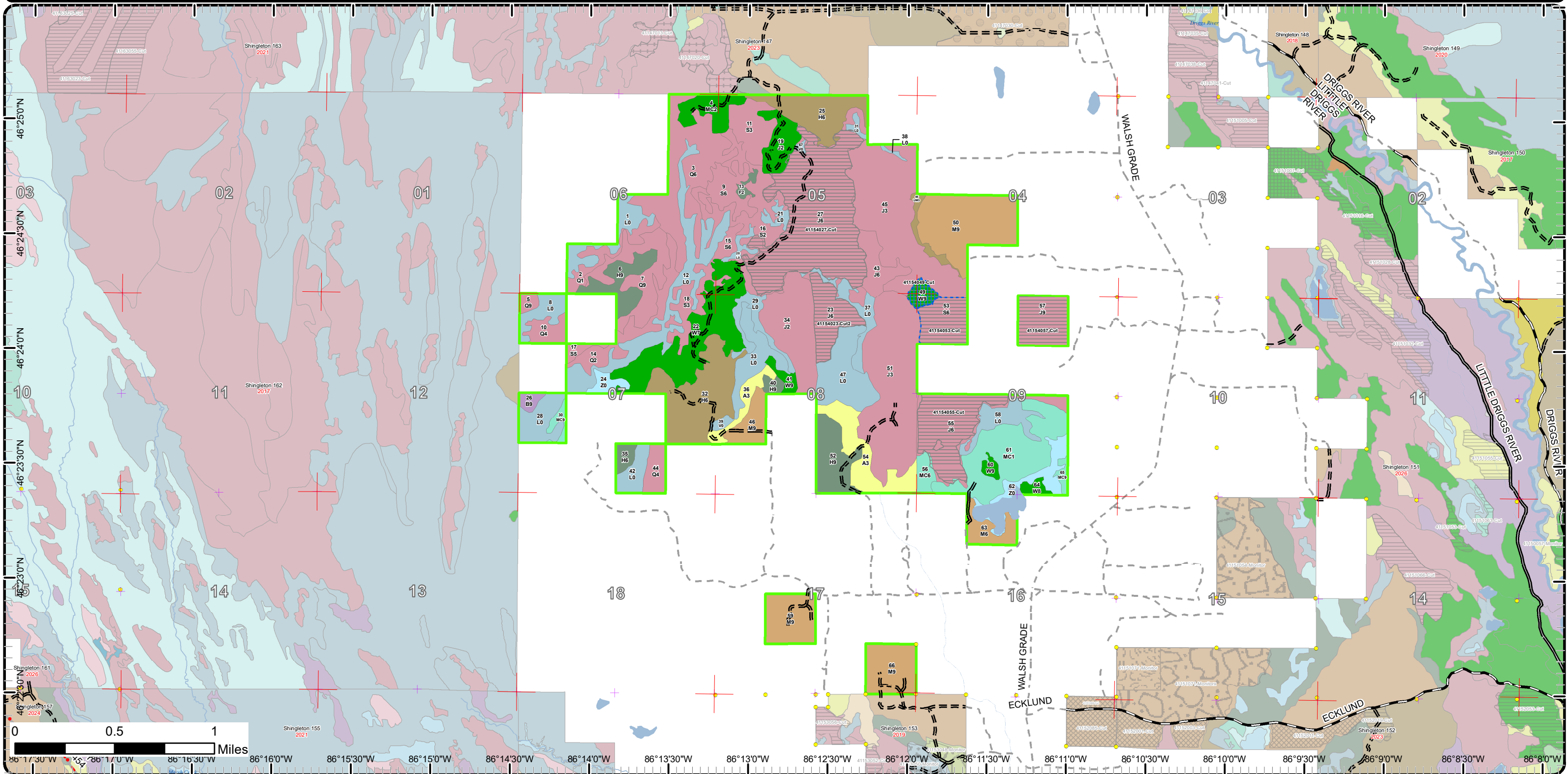
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 154
 T46N, R15W, Sec: 4-9, 16, 17
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Lake Plain
 YOE: 2025
 Acres: 2327.5 GIS Calculated
 Examiner: Scott Kentner
 Map Revised: 8/14/2023
 Map Phase: Review

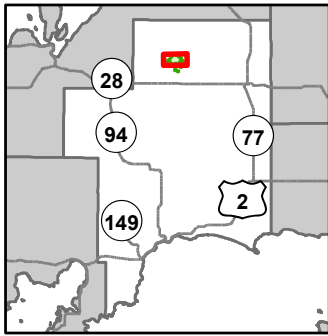


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- - - Counties
- == DNR - Secondary Forest Road
- == DNR - Forest Access Route
- - - Private - Dirt / Gravel Road
- - - Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▭ Compartment Boundary
- ▭ Treatments with Site Conditions
- ▭ Clearcut (w/Reserves)
- ▭ Seed Tree (w/Reserves)
- ▭ 411 - Northern Hardwood
- ▭ 413 - Aspen
- ▭ 422 - Natural Pines
- ▭ 423 - Other Upland Conifers
- ▭ 429 - Mixed Upland Conifers
- ▭ 430 - Upland Mixed Forest
- ▭ 611 - Lowland Deciduous Forest
- ▭ 612 - Lowland Coniferous Forest
- ▭ 500 - Water
- ▭ 622 - Lowland Shrub

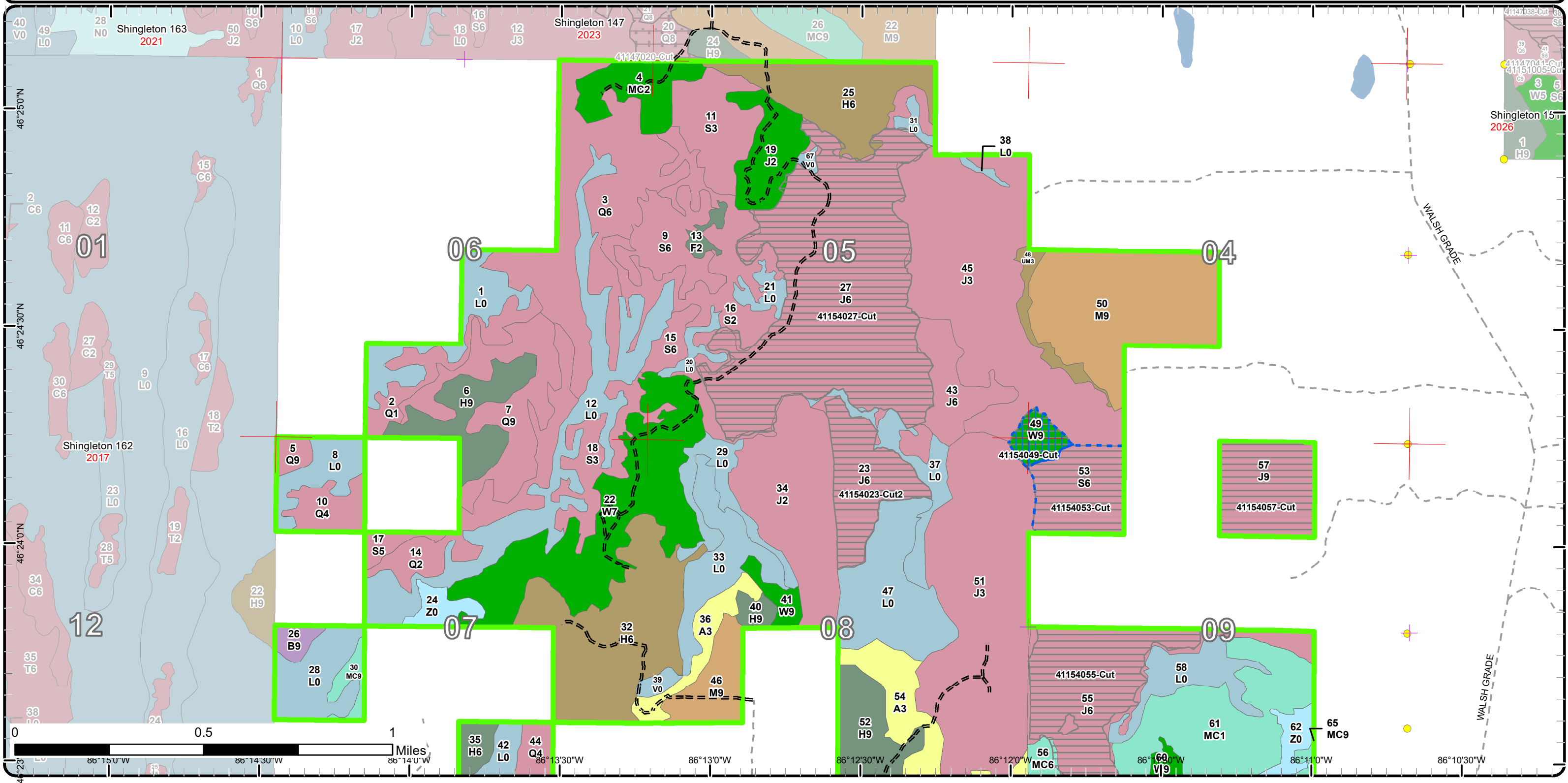


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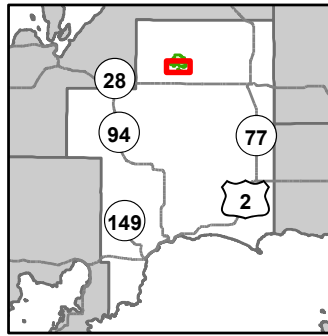


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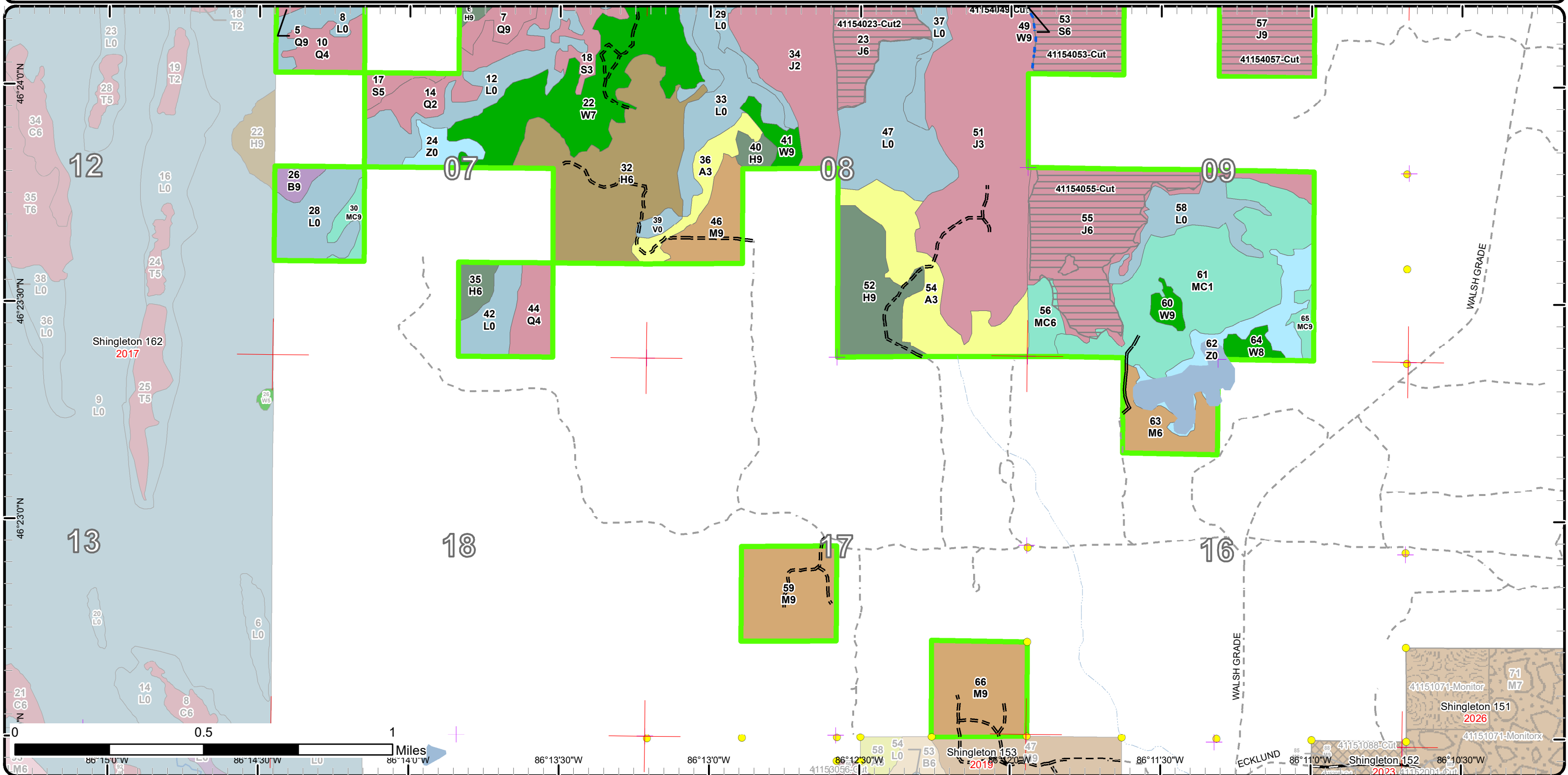


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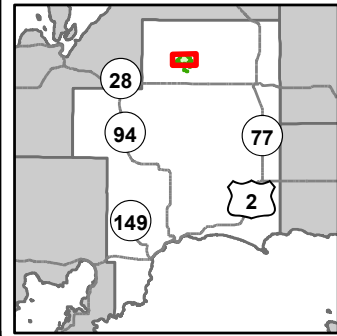
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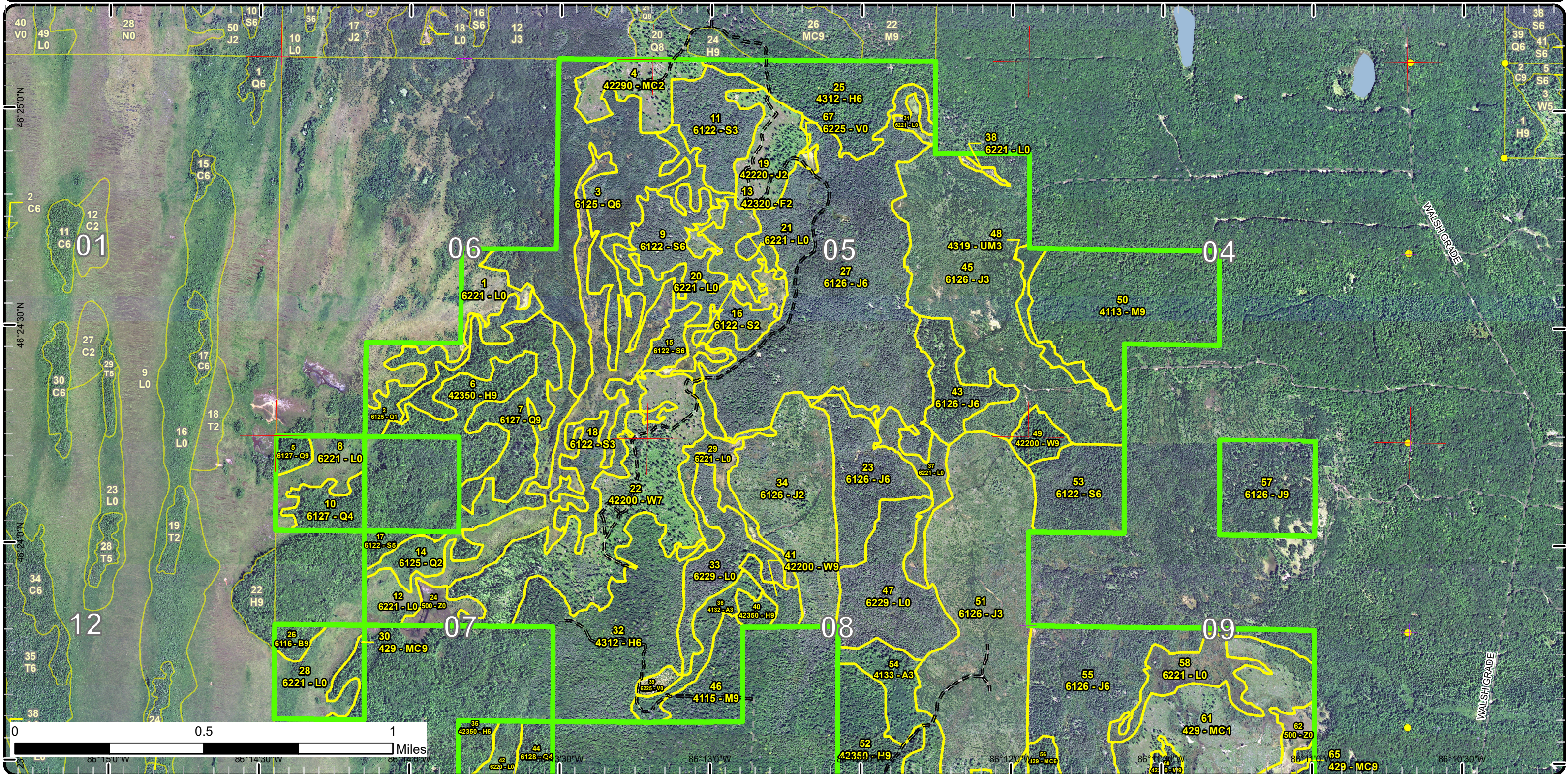
Stand Boundary Map

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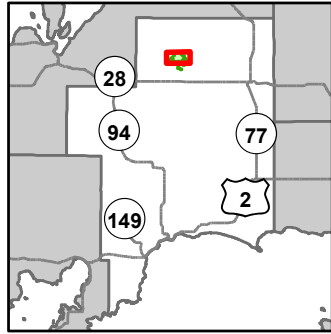


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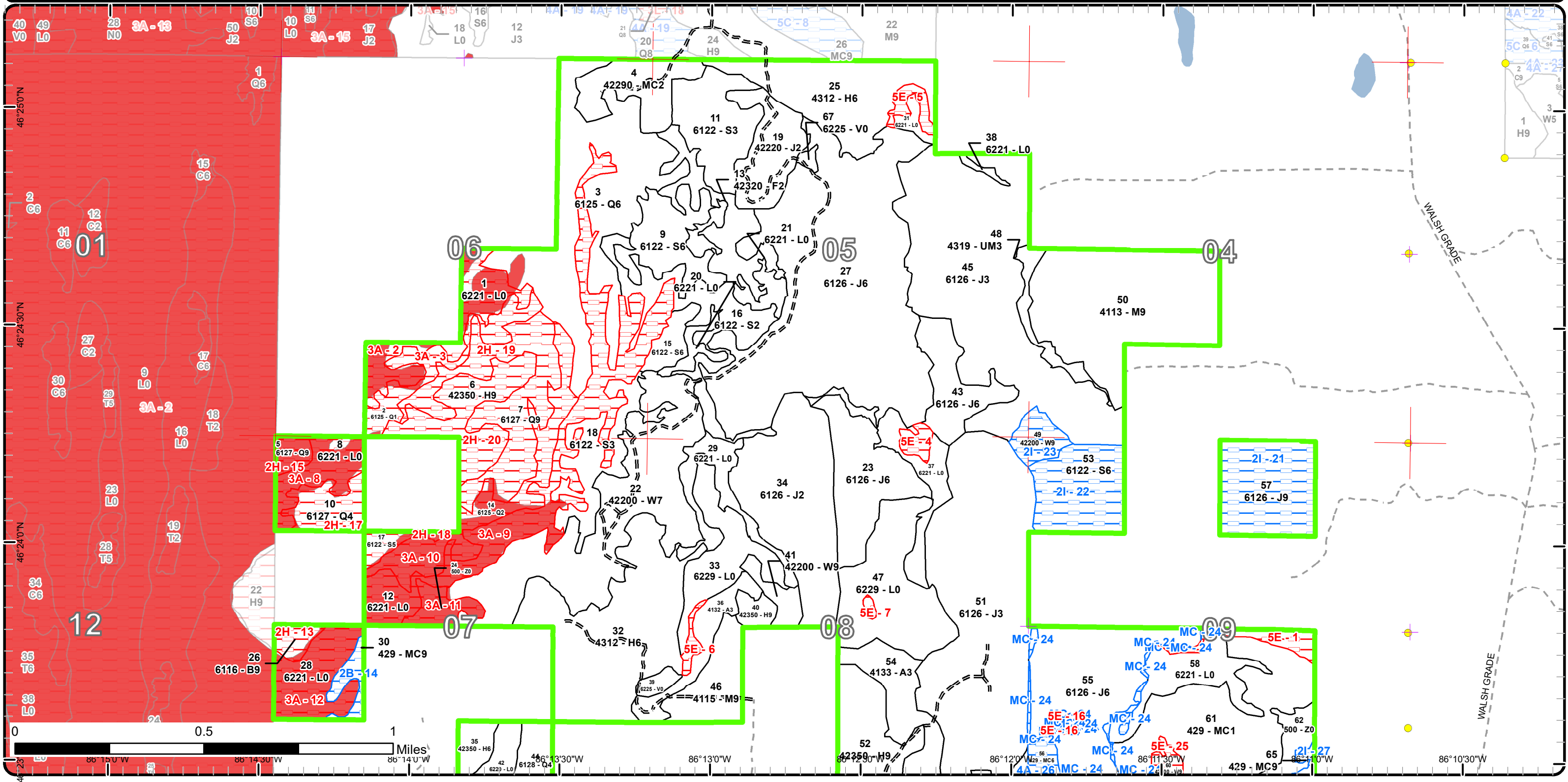


Special Conservation Areas

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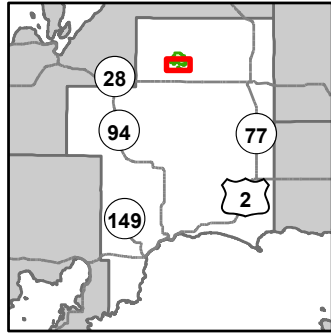


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 - Lake/Pond
 - Lakes and Rivers
 - Compartment Boundary
 - Available w/ Constraints
 - Unavailable
 - Stand Boundaries
 - Ecological Reference Areas
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
 3A: Conservation Values incompatible with harvest at this time
 5E: Long-Term Retention
 2I: Survey needed
 4A: No Markets Available for these Forest Products

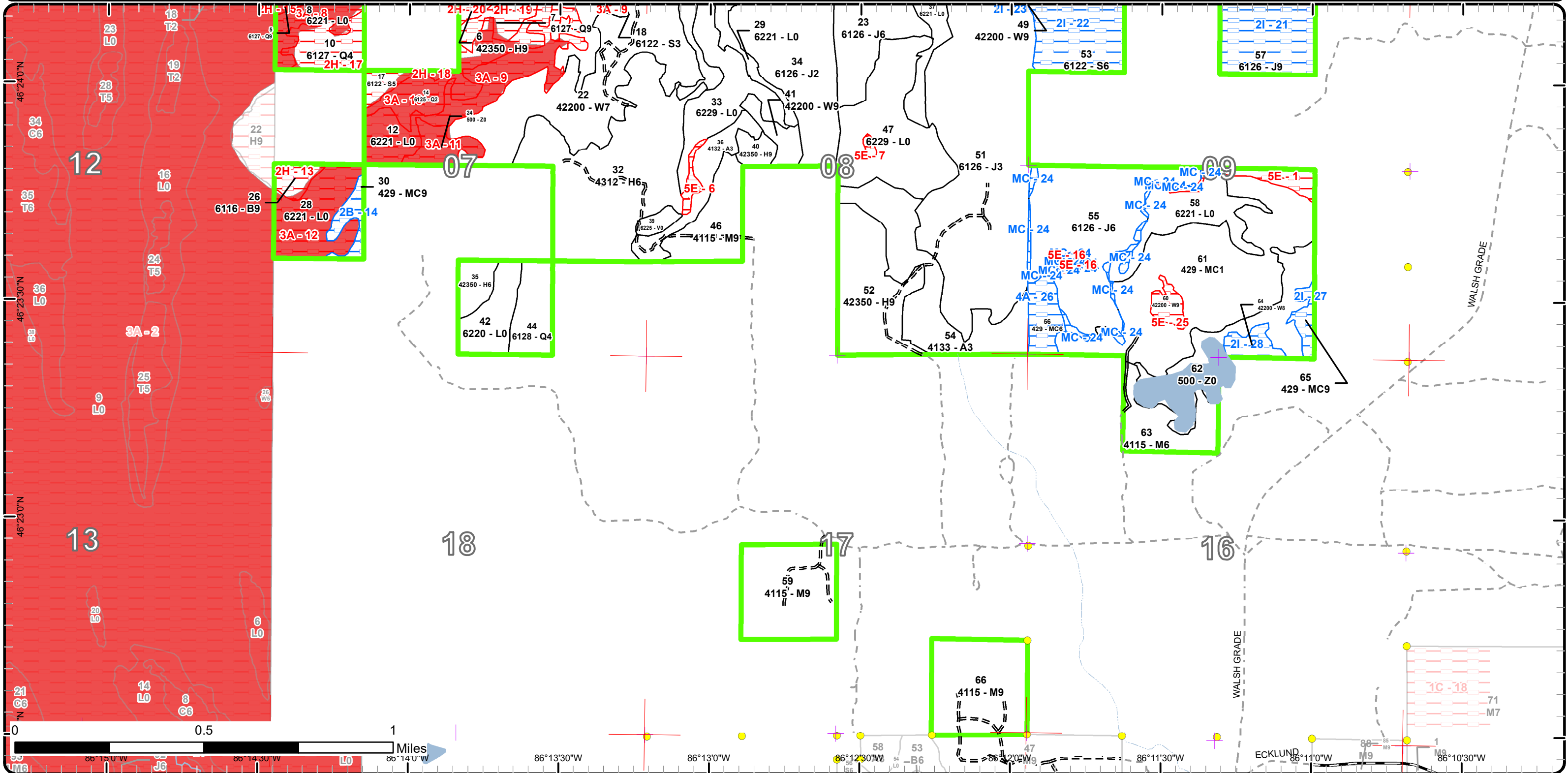


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- 4A: No Markets Available for these Forest Products
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- 3A: Conservation Values incompatible with harvest at this time
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams



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+	Unseen-Aged	Total
Aspen	0	0	0	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Hemlock	0	0	0	0	0	0	0	8	0	0	211	0	0	0	0	0	0	0	219
Jack Pine	0	0	26	210	140	0	24	0	0	0	357	0	0	0	0	0	0	0	756
Lowland Conifers	0	0	0	0	0	150	0	16	0	0	69	0	0	0	0	0	0	0	235
Lowland Shrub	319	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
Lowland Spruce/Fir	0	0	0	0	0	151	0	0	0	6	34	0	0	0	0	0	0	0	191
Natural Mixed Pines	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Northern Hardwood	0	0	0	0	0	0	0	0	90	22	61	0	0	0	0	0	0	41	214
Paper Birch	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Upland Conifers	0	0	93	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	115
Upland Mixed Forest	0	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Spruce/Fir	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Water	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
White Pine	0	0	0	0	0	0	0	0	7	96	20	0	0	0	0	0	0	0	123
Total	370	0	148	271	149	301	24	24	97	124	780	0	0	0	0	0	0	41	2327



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2025

Acres of Harvest

Compartment 154
Total Compartment Acres: 2,328

Commercial Harvest - 294
Harvests with Site Condition - 84
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Jack Pine	335	0	0	0	0	0	0	0	0	335
Lowland Spruce/Fir	34	0	0	0	0	0	0	0	0	34
White Pine	0	0	0	10	0	0	0	0	0	10
Total	369	0	0	10	0	0	0	0	0	378

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	378	0	0	0	0	0	0	0	0	378
Next Step	0	335	0	0	0	0	531	0	0	866
Total	378	335	0	0	0	0	531	0	0	1244



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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:

49	41154049-Cut	9.5	42200 - Natural White Pine	Sawtimber Well	98	1-50	Harvest	Seed Tree	429 - Mixed Upland Conifers	Two-Aged	No
<p><u>Prescription</u> Seed Tree: Leave 10 to 20 BA of large diameter White pine scattered throughout stand to act as seed source.</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 pre harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

53	41154053-Cut	33.9	6122 - Black Spruce	Poletimber Well	97	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with Retention: Remove all trees within stand leaving retention in pocket(s).</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> Lowland conifer species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

57	41154057-Cut	40.4	6126 - Lowland Jack Pine	Sawtimber Well	97	51-80	Harvest	Clearcut with Retention	6126 - Lowland Jack Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut with Retention: Remove all trees within stand, leaving retention in pocket(s).</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine, Red pine, White pine, Aspen, Black spruce, Balsam fir, Red maple.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>											

Approved Treatments:

23	41154023-Cut2	37.0	6126 - Lowland Jack Pine	Poletimber Well	98	1-50	Harvest	Clearcut with Retention	6126 - Lowland Jack Pine	Even-Aged	No
<p><u>Prescription</u> Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be marked to cut to allow for operations in areas with heavy concentrations. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Scarification</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Jack pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u> Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the south. Old next step comments: Any post-harvest treatments needed to regenerate</p>											



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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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jack pine should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.

Site Condition

Proposed Start Date: 2 /26/2020

27	41154027-Cut	189.5	6126 - Lowland Jack Pine	Poletimber Well	91	81-110	Harvest	Clearcut with Retention	6126 - Lowland Jack Pine	Even-Aged	No
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Prescription Specs: Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be cut to seed tree levels to allow for pine regeneration. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.

Next Step Treatments: SitePrep, Scarification; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Regen: Jack pine

Other Comment: Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the north Old next step comments: Any post-harvest treatments needed to regenerate jack pine and black spruce should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.

Site Condition

Proposed Start Date: 10/1 /2014

55	41154055-Cut	68.0	6126 - Lowland Jack Pine	Poletimber Well	97	81-110	Harvest	Clearcut with Retention	6125 - Lowland Black Spruce, Jack Pine	Even-Aged	No
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Prescription Specs: Cut all species on site except do not harvest red pine, hemlock, cedar or oak. White pine should be marked to cut to allow for operations in areas with heavy concentrations. Retention should be in pockets and in areas of smaller spruce. Winter or dry summer harvesting will likely be needed due to the wetness of the area. Stump heights will need to be controlled to allow post-harvest treatment.

Next Step Treatments: SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Jack pine

Other Comment: Access though FLG may be needed. The Walsh grade has an easement but other roads may be needed for harvest. This stand can be grouped with other stands that have access from the south. Old next step comments: Any post-harvest treatments needed to regenerate jack pine should be carried out. Acceptable regeneration is a mix of species on site including jack pine, black spruce and white pine.

Site Condition

Proposed Start Date: 10/1 /2014

Total Treatment Acreage Proposed: 378.3

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 154
Year of Entry: 2025

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions									
		With Condition			2B	2I	4A	MC	2H	3A	5E			
61	61	0		0	Aspen									
5	5	0		0	Bog									
219	189	0		31	Hemlock					31				
757	692	47		18	Jack Pine		40		6					18
234	110	0		124	Lowland Conifers					69	55			
319	170	0		149	Lowland Shrub						145		4	
190	151	34		6	Lowland Spruce/Fir		34			6				
24	24	0		0	Natural Mixed Pines									
214	214	0		0	Northern Hardwood									
6	0	0		6	Paper Birch					6				
115	93	22		0	Upland Conifers	6	5	10						
9	9	0		0	Upland Mixed Forest									
4	4	0		0	Upland Spruce/Fir									
46	37	0		9	Water						9			
123	103	16		5	White Pine		16							5
2,328	1,863	118		346	Total Forested Acres	6	95	10	6	111	209			26
	80%	5%		15%	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	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 154
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3	Unavailable	3A: Conservation Values incompatible with harvest at this time	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							
4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	3A: Conservation Values incompatible with harvest at this time	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							
9	Unavailable	3A: Conservation Values incompatible with harvest at this time	76	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 154
Year of Entry: 2025

10	Unavailable	3A: Conservation Values incompatible with harvest at this time	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							
11	Unavailable	3A: Conservation Values incompatible with harvest at this time	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							
12	Unavailable	3A: Conservation Values incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SCA: Pattern Fen							
13	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	2B: Unknown if access through adjacent landowner(s) is possible	2I: Survey needed	2E: Road needed	Unspecified
Comments:							
14	Available	2B: Unknown if access through adjacent landowner(s) is possible	7	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 154
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15	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	15	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified
Comments:							
18	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	6	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified
Comments:							
19	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	49	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	31	2I: Survey needed	2E: Road needed	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 154
Year of Entry: 2025

21	Available	2I: Survey needed	40	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2I: Survey needed	34	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
23	Available	2I: Survey needed	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Available	Minor Change in Acreage	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: retention for stand 61							
26	Available	4A: No Markets Available for these Forest Products	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 154
Year of Entry: 2025

27	Available	2I: Survey needed	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
28	Available	2I: Survey needed	6	2B: Unknown if access through adjacent landowner(s) is possible	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
----------	--------------	-------------	----------------	-------

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
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																																														
1	6221 - Fen	Nonstocked	26.0			No																																															
2	6125 - Lowland Black Spruce, Jack Pine	Sapling Poor	20.1	47	1-50	N/A																																															
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3	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	94.6	47	51-80	N/A	Mix of spruce and jack pine that is regenerating after the Walsh ditch of 1976.																																														
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Red Pine	2	Sapling	2																																																		
Paper Birch	2	Sapling	4																																																		
4	42290 - Natural Mixed Pine	Sapling Medium	24.5	14	Immature	N/A	Stand passed regeneration count on 2014 at 1033 trees per acre, FTP is closed.																																														
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5	6127 - Lowland Pine	Sawtimber Well	5.3	98	81-110	N/A																																															
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6	42350 - Upland Hemlock	Sawtimber Well	30.7	98	Unspecified	N/A	Island in the marsh according to previous inventory this is a virgin hemlock stand. The stand is within the Walsh ditch fire area so it may have burned in areas in 1976 most shows little negative effects.																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
7	6127 - Lowland Pine	Sawtimber Well	48.6	98	51-80	N/A	White pine stand with cedar in the understory.																																											
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8	6221 - Fen	Nonstocked	17.5			No																																												
9	6122 - Black Spruce	Poletimber Well	27.2	47	51-80	N/A	Low SI spruce with some jack pine may be harvestable. There is a mix of ages in this stand but the walsh ditch fire of 1976 impacted this stand so that is the dominant age.																																											
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10	6127 - Lowland Pine	Poletimber Poor	14.7	98	51-80	N/A	Stand burned in 1976 but most of the stand survived.																																											
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11	6122 - Black Spruce	Sapling Well	32.0	47	1-50	N/A	This is a small middle aged spruce stand most likely it will be cut in 40-50 years at least a portion of this stand resulted from the Walsh Ditch fire of 1976. There is a mix of ages but the fire regenerated age cohort is dominant.																																											
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12	6221 - Fen	Nonstocked	75.8			No																																												
13	42320 - Upland Spruce	Sapling Medium	4.2	13	1-50	N/A	Was cut as an optional unit in Walsh softwood sale in winter of 2009 lots of small sapling spruce left.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																
14	6125 - Lowland Black Spruce, Jack Pine	Sapling Medium	35.0	46	1-50	N/A	A mix of lowland species Burned in 1976 some open areas are mixed in as well.																																																
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15	6122 - Black Spruce	Poletimber Well	8.2	46	1-50	N/A	lowland spruce, slow growing very skinny diameters.																																																
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16	6122 - Black Spruce	Sapling Medium	58.1	47	1-50	N/A	Bogy Spruce with low SI May or may not be a productive site mix of diameter and ages.																																																
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25	4312 - Hemlock, Mixed Deciduous	Poletimber Well	49.6	95	81-110	N/A																																																	
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26	6116 - Lowland Birch	Sawtimber Well	5.7	98	51-80	N/A	This is a nice birch stand that must not have burned, its inaccessible.																																																
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30	429 - Mixed Upland Conifers	Sawtimber Well	6.5	98	51-80	N/A	Island in marsh burned in 1976 overstory is older approximately 88 years old																																															
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32	4312 - Hemlock, Mixed Deciduous	Poletimber Well	86.1	98	81-110	N/A	This stand was cut very intensely, mostly now is hemlock with maple understory with a variety of age classes.																																															
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33	6229 - Mixed lowland shrub	Nonstocked	30.6	0	Unspecified	4222 - Natural Jack Pine	Skywalker Pine, unit 1. TCR: 2/26/20 Scarify summer 2017 Jack pine starting to grow in nicely with white pine. passed regen check.																																															
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34	6126 - Lowland Jack Pine	Sapling Medium	69.4	25	Immature	N/A	Cut in the summer there was no scarification after the harvest. mix of pine growing back with black spruce.																																																															
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35	42350 - Upland Hemlock	Poletimber Well	7.9	60	81-110	N/A	Island in the marsh was most likely thicker at some point in the past.																																																															
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36	4132 - Aspen, Jack Pine	Sapling Well	15.5	24	1-50	N/A	Coming back well to a mix of aspen, jack pine and red maple.																																																															
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40	42350 - Upland Hemlock	Sawtimber Well	5.2	93	111-140	N/A																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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41 42200 - Natural White Pine Sawtimber Well 7.3 73 81-110 N/A Cut at some point in the past.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	80	Log	12	73	Red Maple	Medium	Variable	Sapling
Red Pine	2	Log	10		White Pine	Low	Variable	Sapling
Red Maple	3	Log	10		Hemlock	Low	Variable	Sapling
Hemlock	10	Log	10		Balsam Fir	Full	Variable	Sapling
Paper Birch	5	Pole	8					

42 6220 - Alder/willow Nonstocked 16.1 No

43 6126 - Lowland Jack Pine Poletimber Well 24.0 50 51-80 N/A This stand is approaching maturity it could hold for a decade or be cut now

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	4	Pole	7		Black Spruce	Medium	10 - 20 feet	Sapling
Black Spruce	20	Pole	6		Jack Pine	Medium	5 - 10 feet	Sapling
White Pine	6	Pole	6					
Jack Pine	70	Pole	7	50				

44 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Poor 15.9 60 51-80 N/A Poor mix of lowland species may have been impacted by the Walsh ditch fire.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	5	Pole/Sap/Log	5		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	20	Pole/Log/Sap	6	60				
White Pine	10	Log/Pole/XLog	10					
Black Spruce	20	Pole/Sap/Log	6					
Quaking Aspen	5	Sapling/Pole	2					
Hemlock	5	Pole/Sap/Log	5					
Balsam Fir	15	Sapling/Pole	2					
Paper Birch	20	Sapling/Pole	2					

45 6126 - Lowland Jack Pine Sapling Well 140.1 30 1-50 N/A Cut in 1993 looks good.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	65	Sapling	4	30
Black Spruce	20	Sapling	3	
Quaking Aspen	5	Sapling	4	
Balsam Fir	5	Sapling	3	
Red Maple	5	Sapling	4	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
46	4115 - Y.Birch, Hemlock NH	Sawtimber Well	22.2	80	51-80	N/A	Cut 20 years ago, tried salvage beech but sale never sold. beech is all dead and most have snapped off. Access though private.																																																														
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47	6229 - Mixed lowland shrub	Nonstocked	50.2	0	Unspecified	4222 - Natural Jack Pine	south 1/2 of stand was cut. north 1/2 was added to a new sale. Passed regen check with decent amount of Jack pine growing back.																																																														
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48	4319 - Mixed Upland Forest	Sapling Well	8.6	31	1-50	N/A	Cut in 1992 stand looks good.																																																														
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50	4113 - R.Maple, Conifer	Sawtimber Well	89.9	75	81-110	N/A	Good looking hardwood stand heavy understory can wait for ten years before next harvest. No issues with beech in the stand it's a small component here.																																																														
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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51 6126 - Lowland Jack Pine Sapling Well 141.1 23 Immature N/A Fully stocked Jack pine stand.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	3	Sapling	3	
Black Spruce	3	Sapling	1	
Tamarack	4	Sapling	1	
Jack Pine	80	Sapling	3	23
Red Maple	3	Sapling	3	
Quaking Aspen	7	Sapling	3	

52 42350 - Upland Hemlock Sawtimber Well 39.8 98 81-110 N/A Hemlock stand is growing well much hemlock in the understory; Hardwood in the stand is still quite small.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	55	Log	10	98	Hemlock	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
White Pine	20	Log	12		Red Maple	Medium	5 - 10 feet	Sapling
Black Spruce	15	Pole	8					
Red Maple	5	Pole	8					

53 6122 - Black Spruce Poletimber Well 33.9 97 51-80 N/A This stand is approaching maturity it could hold for a decade or be cut now

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	7	Log	12		Black Spruce	Medium	5 - 10 feet	Sapling
Black Spruce	65	Pole	6	97				
Jack Pine	25	Log	10	97				
Paper Birch	3	Log	10					

54 4133 - Aspen, Mixed Pine Sapling Well 45.9 22 Immature N/A Cut in 2001 looks good.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	65	Sapling	4	22	Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	5	Sapling	3		Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce	5	Sapling	3					
White Pine	20	Log	10					
Hemlock	5	Log	12					

55 6126 - Lowland Jack Pine Poletimber Well 82.4 97 81-110 N/A on contract

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	3	Pole/Log/Sap	8		Tamarack	Low	5 - 10 feet	Sapling
Jack Pine	51	Pole/Log/Sap	8	97	Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce	41	Pole/Log/Sap	8	97				
Tamarack	2	Pole/Log/Sap	8					
White Pine	3	Pole/Log/Sap	8					



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56	429 - Mixed Upland Conifers	Poletimber Well	10.3	98	51-80	N/A																																																			
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66	4115 - Y.Birch, Hemlock NH	Sawtimber Well	41.0	95	51-80	N/A	large hardwood but not very high BA, good mix of regen coming in. no survey in area and road needed thru private to access.																																																			
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67	6225 - Bog	Nonstocked	1.5			No																																																				