



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41032

Entry Year 2020

Acreage: 2,993

County Schoolcraft

Management Area: Seney Manistique Swamp

Revision Date: 2018-08-08

Stand Examiner: Tori Irving

Legal Description:

T44N, R15W Sections 26, 27 & 33-36

Identified Planning Goals:

The goals in this compartment include conducting multiple resource management for current and future generations. Forest Health, Recreation, Biodiversity Stewardship, Wildlife and Timber Management are some of the key management components within this compartment.

Soil and topography:

The compartment is relatively flat with some gentle sand ridges. Soils range from several different sand types on the uplands to mainly mucky peat organics on the lowlands

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

The compartment is entirely contiguous State land. There is little development within the compartment other than the Highwater Truck Trail which is a poor dirt road as well as a snowmobile trail in the winter.

Unique Natural Features:

Currently under review by Michigan Natural Features Inventory.

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

The central region of this compartment contains an unnamed waterbody. 100' plus 5' per 1% increase in slope; buffers are recommended to protect shoreland areas adjacent to this unnamed waterbody in accordance with Best Management Practices (specifically stand 32).

The northeastern region of this compartment contains reaches of Duck Creek. Duck Creek is a non-designated stream less than 50' width. 100' plus 5' per 1% increase in slope; buffers are recommended to protect Duck Creek riparian areas in accordance with Best Management Practices (specifically stand 6).

Wildlife Habitat Considerations:

Compartment 32 lies within the Seney Sand Lake Plain ecological sub-subsection adjacent to the southwest corner of the Seney National Wildlife Refuge. Pre-settlement vegetation was consistent with the current cover of marsh and low pine ridges. Duck creek flows across the northeast portion of the compartment. The Highwater Truck Trail is west of the creek and provides access to the eastern portion of the compartment. Wildlife management objectives include providing early successional young conifer habitat, retaining wildlife travel corridors, maintaining super-canopy pine trees through shelterwood seed cuts, and maintaining lowland brush and marsh systems by ensuring that management activities do not alter drainage patterns within these systems.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are not found in the general area, and gravel potential within the compartment appears to be limited; there may be some minor sand potential. Much of the compartment is covered by wetlands. There is no known metallic mineral potential in this area, and there is no history of mineral leasing. There is no commercial oil and gas production in the UP. The state does not own all of the mineral rights within the compartment. Private mineral rights owners must be allowed reasonable access to the land should they choose to explore and/or develop the minerals.

Vehicle Access:

Vehicular access in the compartment is very poor with only the Highwater Truck Trail running through the east side of the

compartment.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

The Highwater Truck Trail is a snowmobile trail and is the only recreational facility in the compartment. The Highwater Truck Trail also receives a fair amount of ORV use. The other recreational opportunities include hunting, fishing and trapping. Duck Creek is considered warm water therefore fishing opportunities are limited but it does have a fair amount of beaver activity for trapping. Due to the lack of roads in the compartment there is good potential for remote deer and bear hunting. The area does receive a fair amount of dispersed camping during the firearm deer season.

Fire Protection:

Response times to fires within the compartment will be relatively slow due to its location. Fire operations will be challenging in some areas due to the lack of roads and the number of creeks present as well as the organic soils in these areas. The compartment is comprised mainly of jack pine in varying age classes which could potentially lead to some larger fires due response times, location and this volatile fuel type given the proper weather conditions. As mentioned earlier the area east of Duck Creek burned in 1976 during the great Seney Fire which was caused by a lightning strike and burned for over a month.

Additional Compartment Information:

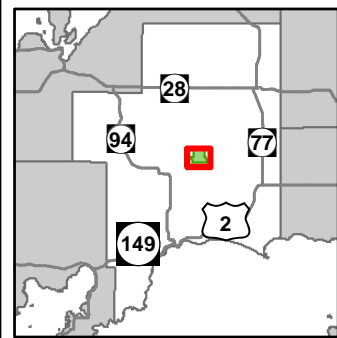
The following reports from the Inventory are attached:

- 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:

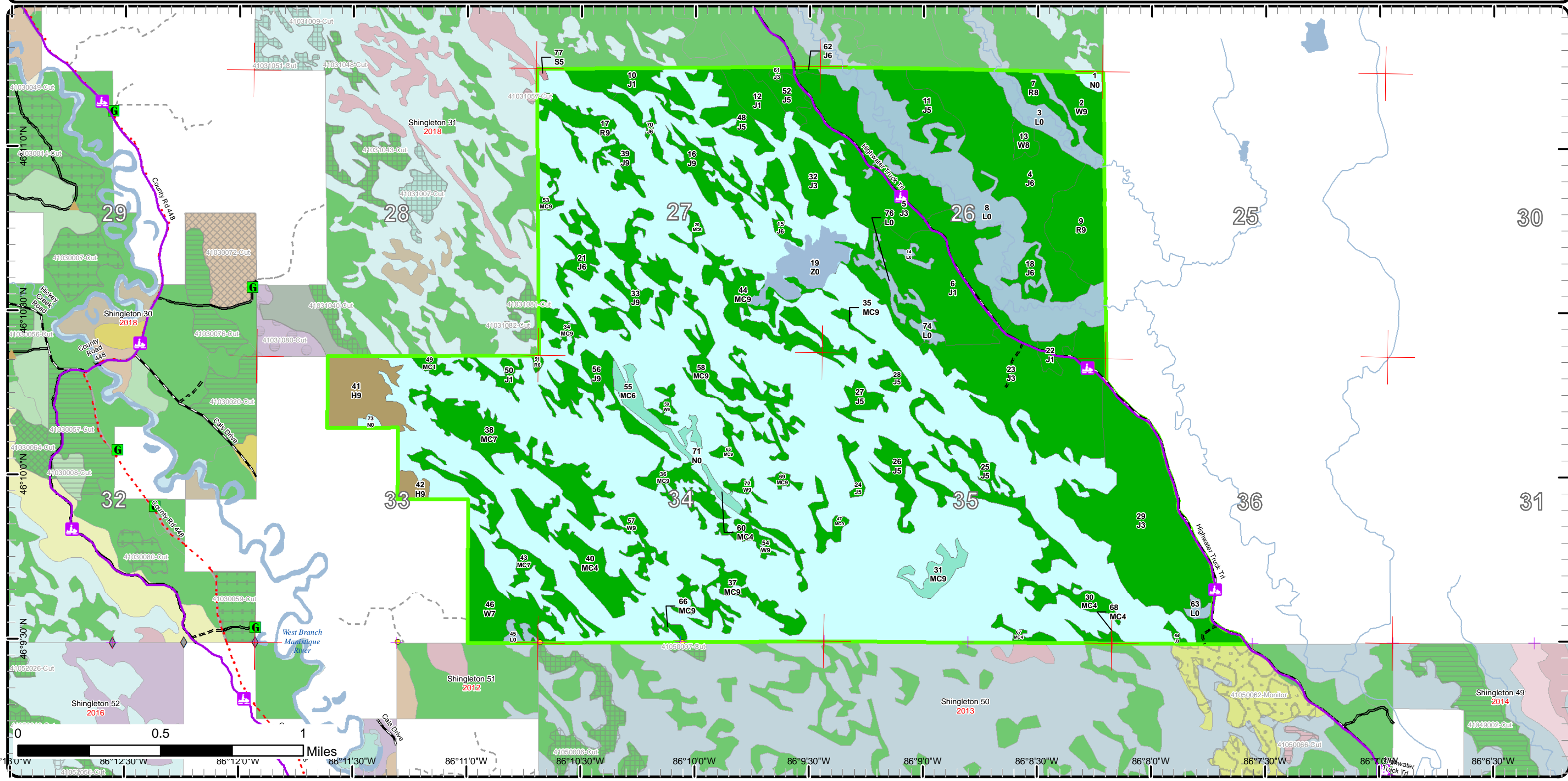
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

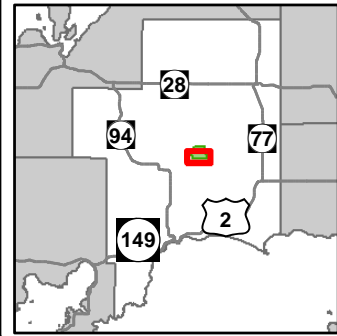


Compartment: 32
 T44N, R15W, Sec: 26, 27, 33-36
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Manistique Swamp
 YOE: 2020
 Acres: 2,993 GIS Calculated
 Examiner: Tori Irving
 Map Revised: 12/17/2018
 Map Phase: Post Review

- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes

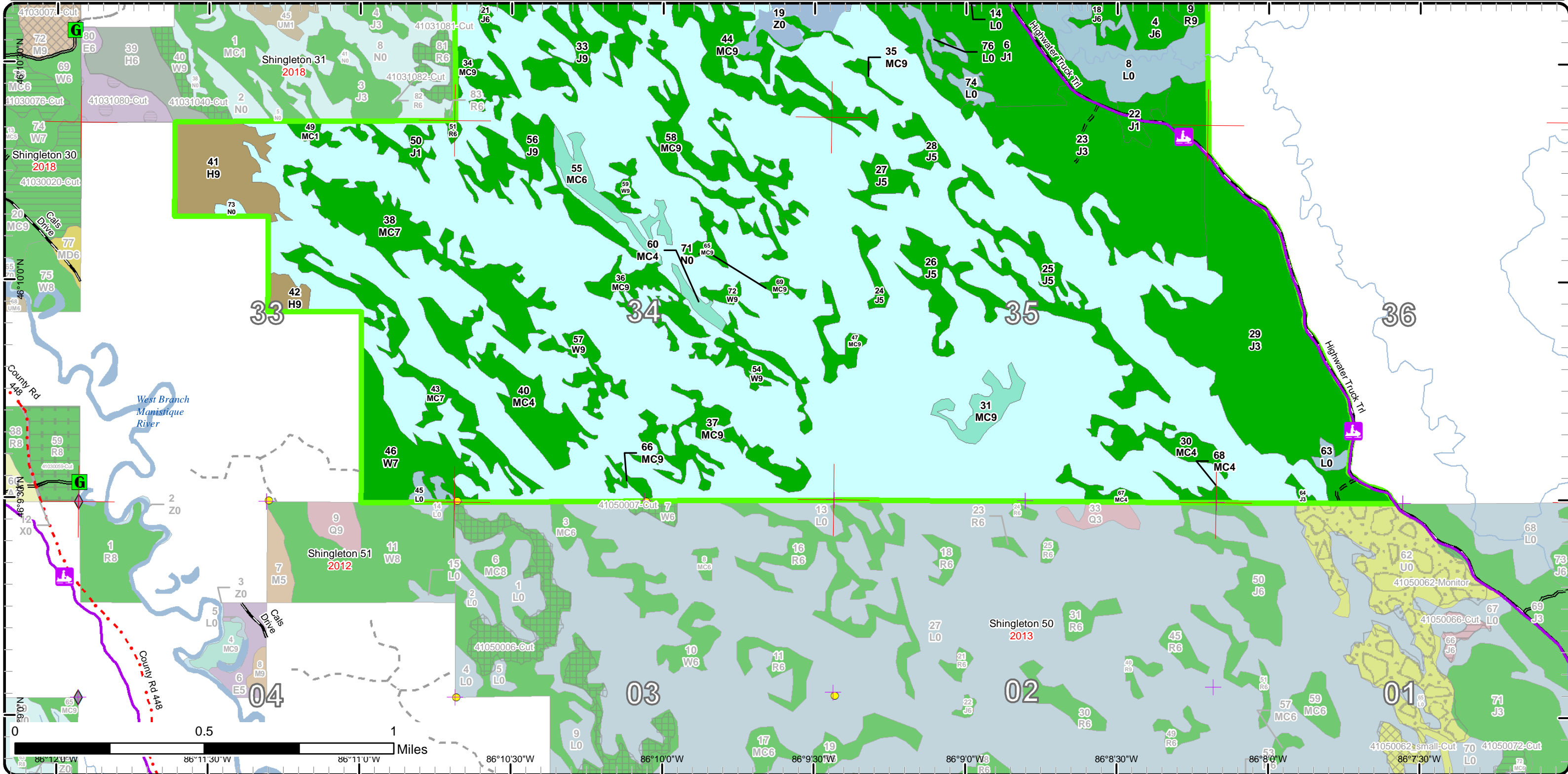


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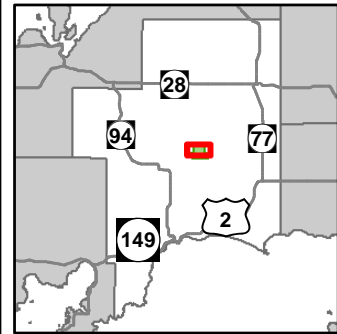


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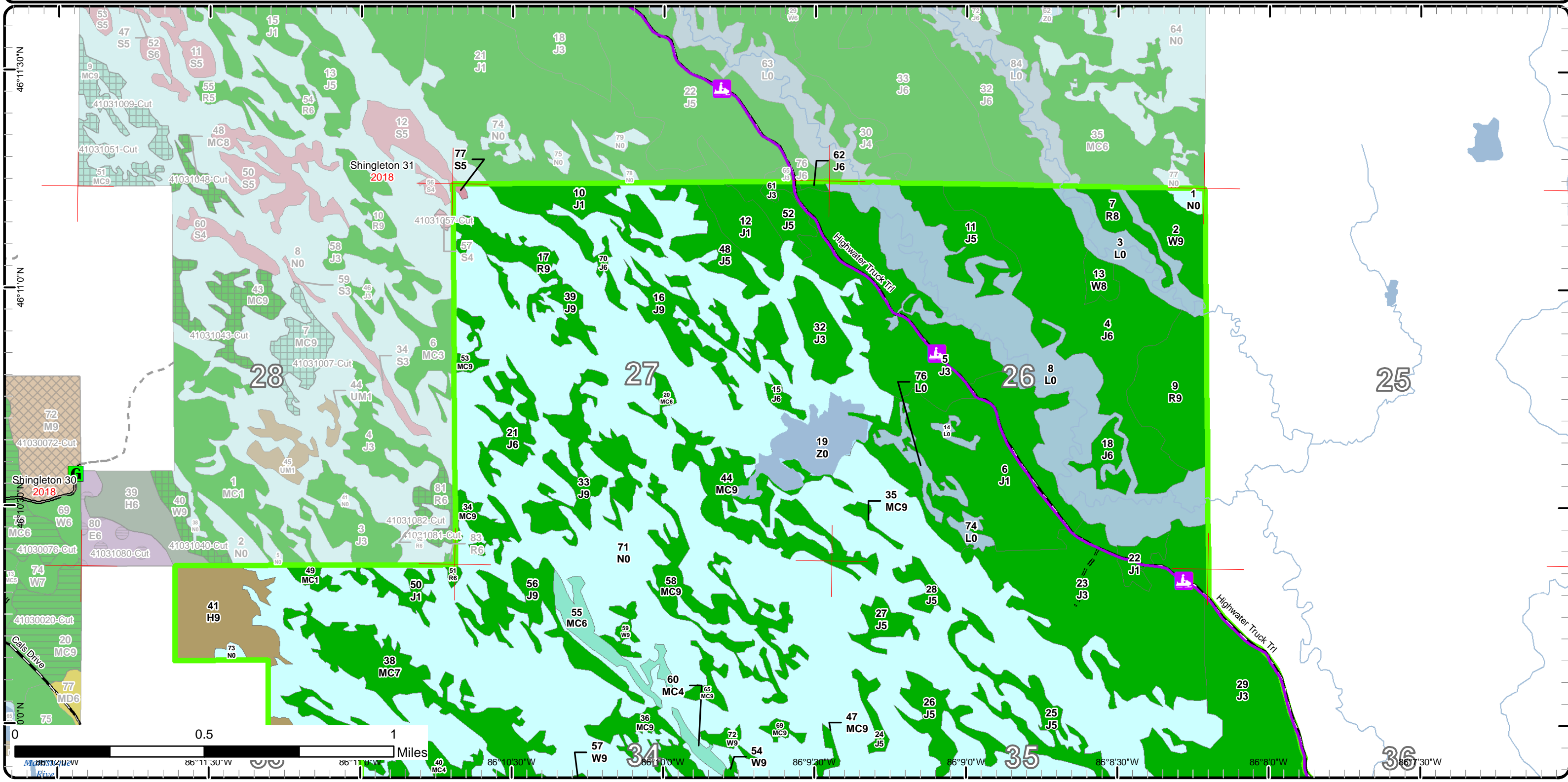


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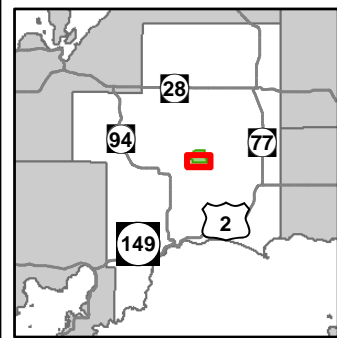
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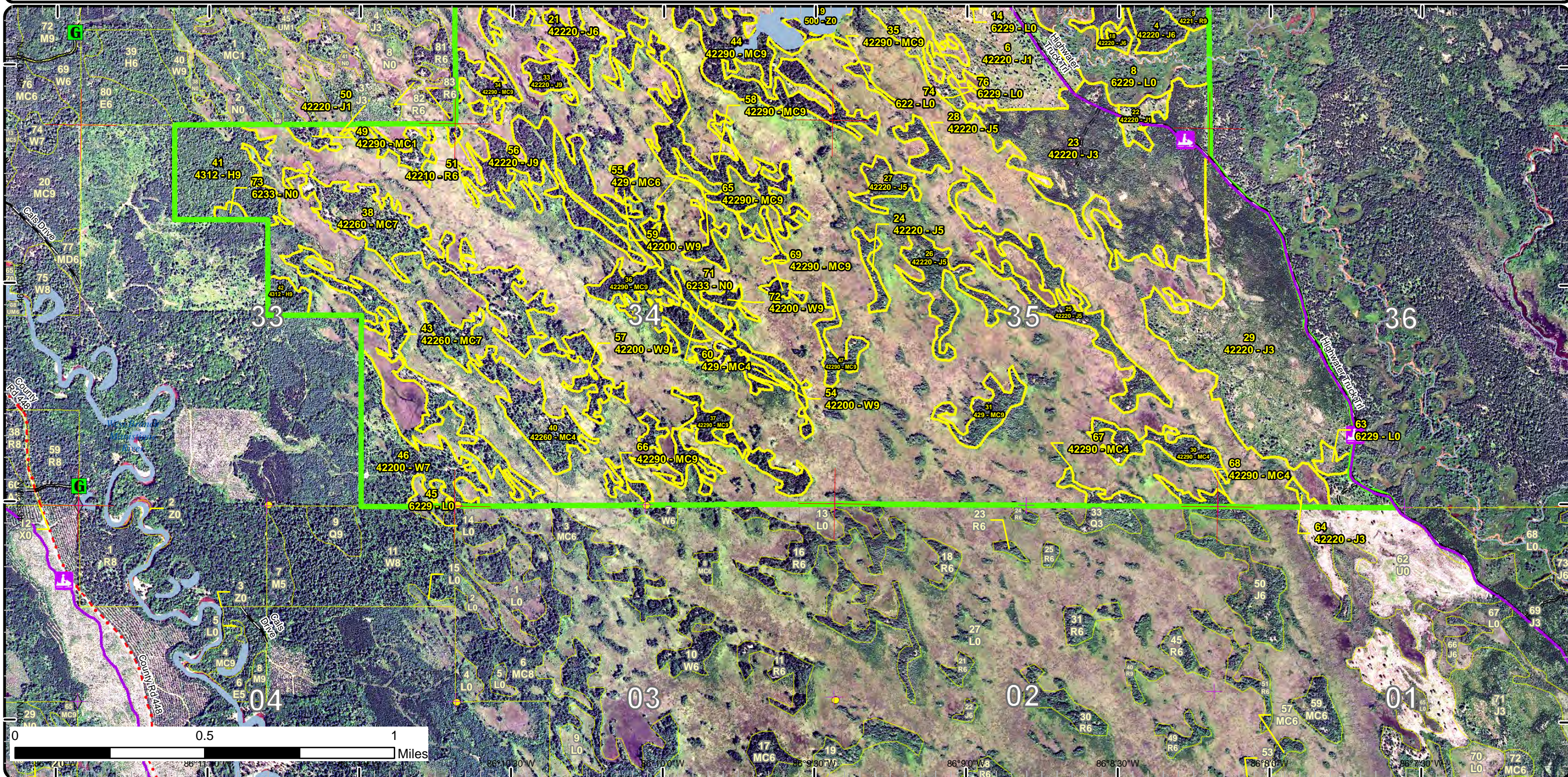


Stand Boundary Map

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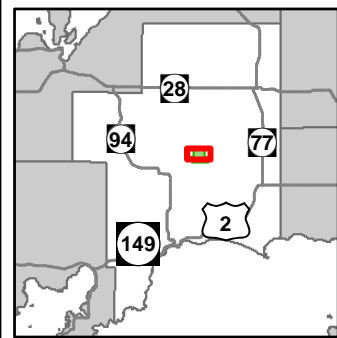


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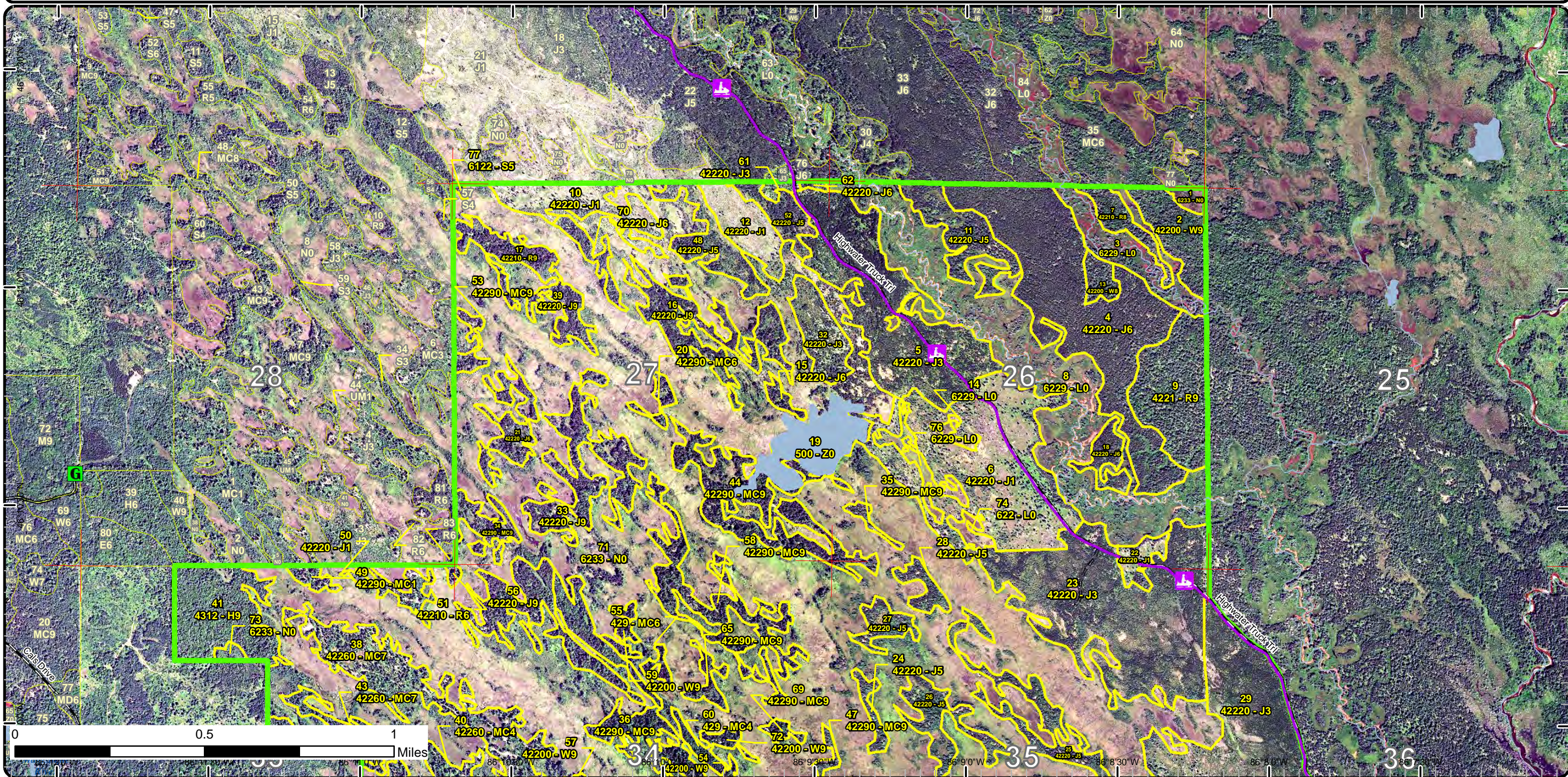


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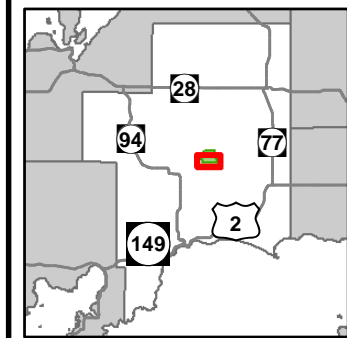


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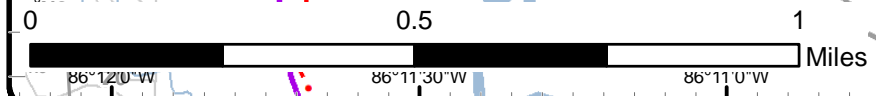
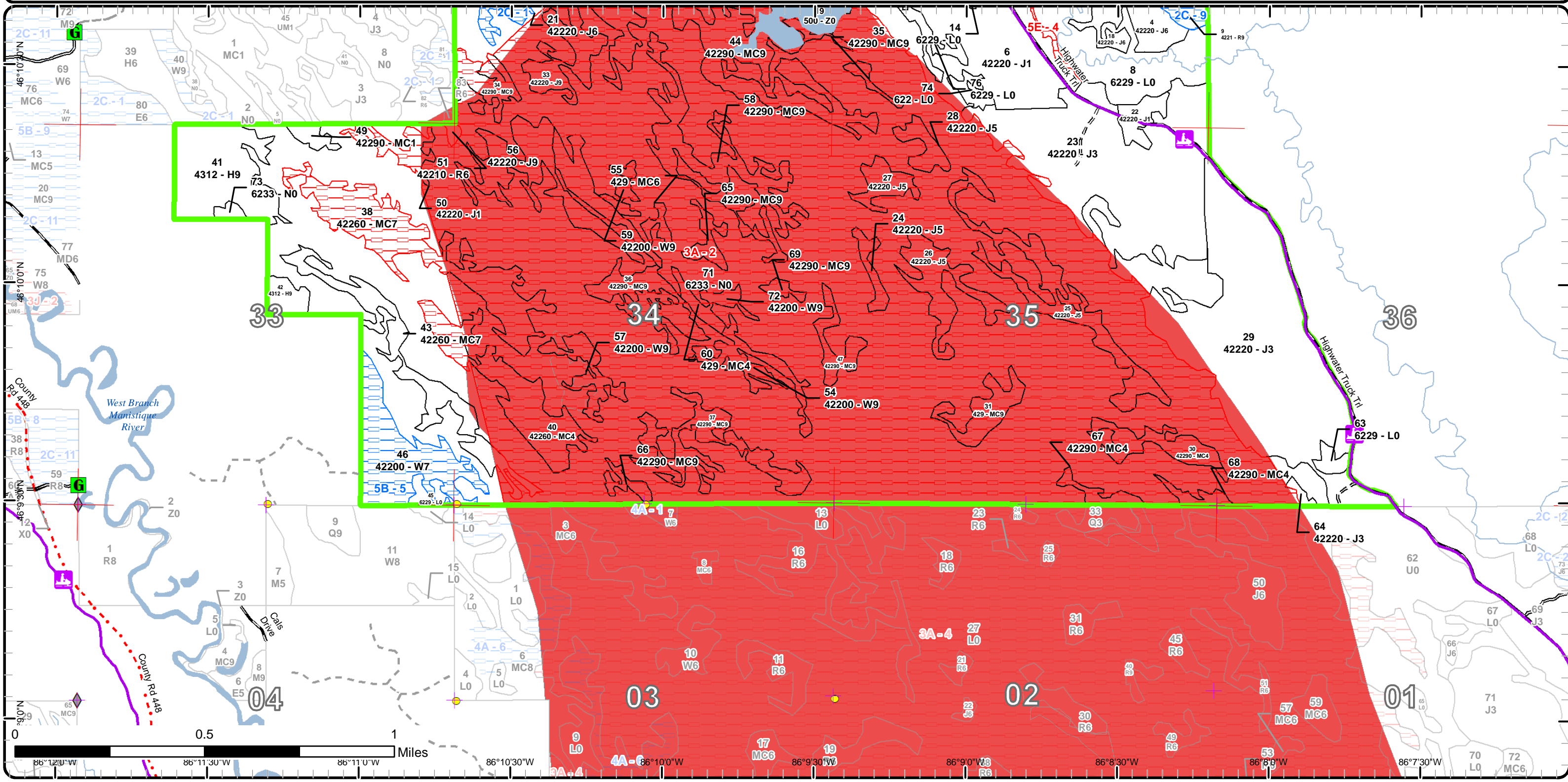


Special Conservation Areas & Site Conditions Map

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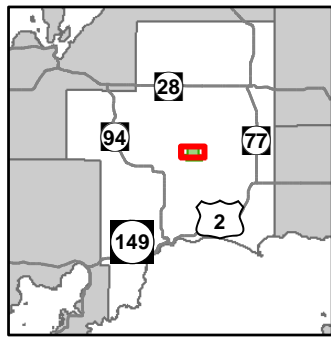
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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)
- 5B: Maintain for regeneration purposes
- 3A: Conservation Values incompatible with harvest at this time
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas



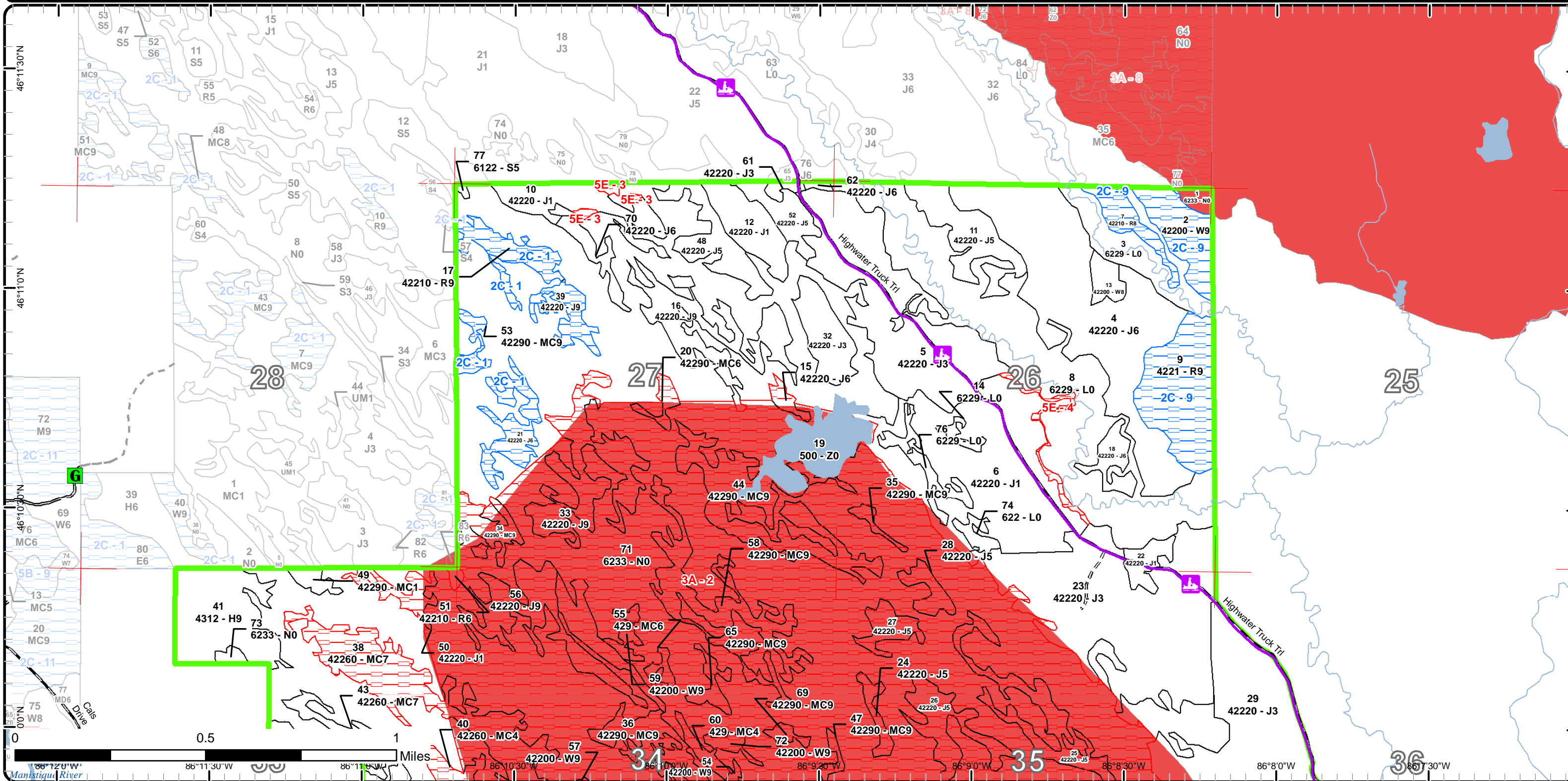
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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	43	0	0	0	0	0	43
Jack Pine	0	143	149	211	63	132	66	1	0	81	0	0	0	0	0	0	0	0	845
Lowland Shrub	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	169
Lowland Spruce/Fir	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
Marsh	1463	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1463
Natural Mixed Pines	0	0	4	0	21	0	0	46	103	13	49	0	0	0	0	0	0	36	270
Red Pine	0	0	0	0	0	0	0	13	0	0	50	0	0	0	0	0	0	0	63
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29
Water	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
White Pine	0	0	0	0	0	0	0	0	0	0	25	36	0	0	0	0	0	29	90
Total	1651	143	153	211	84	132	67	60	103	94	124	36	43	0	0	0	0	94	2992



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2020

Compartment 32
Total Compartment Acres: 2,993

Acres of Harvest

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

S
t
a
n
dTreatment
Name

Acres

Stand
CoverTypeSize
DensityStand
AgeBA
RangeTreatment
TypeTreatment
MethodCover Type
ObjectiveAge
StructureApproval
Status

#Type!

Habitat Cut:Prescription

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date:**Site Condition:**

**Total Treatment
Acreage Proposed:**

0.0

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 32

Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Available		Acres Not Available		Dominant Site Conditions				
		With Condition				2C	5B	3A	5E	
43	43	0		0	Hemlock					
846	684	24		138	Jack Pine	24		131	7	
169	169	0		0	Lowland Shrub					
1	1	0		0	Lowland Spruce/Fir					
1463	5	0		1458	Marsh			1,458		
271	4	4		263	Natural Mixed Pines	4		263		
63	1	62		0	Red Pine	62				
29	0	0		29	Upland Conifers			29		
19	0	0		19	Water			19		
90	6	55		29	White Pine	19	36	29		
2,993	913	145		1,936	Total Forested Acres	109	36	1,929	7	
	31%	5%		65%	Relative Percent					

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	41	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3A: Conservation Values incompatible with harvest at this time	1,499	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit

Tori Irving : Examiner

Compartment: 32

Year of Entry: 2020

3	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5B: Maintain for regeneration purposes	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2C: Engineered Bridge Needed (Dept. portable bridge not available or inadequate)	68	5C: Delay treatment for age/size class diversity or exceptional site quality	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				
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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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42200 - Natural White Pine	Sawtimber Well	19.1	99	81-110	
4	42220 - Natural Jack Pine	Poletimber Well	101.2	41	51-80	
5	42220 - Natural Jack Pine	Sapling Well	80.3	23	Immature	<p>OPIC - FMD: Stand was cut as part of No Name Lake Sale, sale closed and was scarified in 1995. As indicated below the ridges did not take real well so the ridges were machine planted. The ridges are still less stocked than the remainder. Soils are Kinross-Augres-Rubicon and the Habitat Type is PArV</p> <p>19 acres machine planted in spring 2001 (ridges), stand was stand 6 on old inventory, do a regen check in summer 2002 (10/18/05 AP) Regen count results - 526 jack pine, 268 mixed species (12/28/05) FTP closed with a letter</p>
6	42220 - Natural Jack Pine	Sapling Poor	96.0	6	1-50	<p>OPIC - FMD: Stand was cut adjacent on both sides in the early 60's. Jack pine is mature and starting to fall apart. There are going to be green-up issues with the stand to the north which was set up in the winter of 2008. Visual Management is not at all a concern in this area since it is very remote and not visible from any roads. There are scattered red pine and white pine within the stand leave some. Retention should be excluded patches along the N types. Acceptable regeneration will be jack pine and black spruce. Soils are Kinross-Augres-Rubicon and the Habitat Type is PArV</p> <p>Compartment Review Decision was to cut stand regardless of green-up restrictions because the stand was not near any travel routes nor visible by the public and the stand is mature.</p> <p>[9/3/10 bb] Stand is now on proposal 44-10 High-duck Sale, Unit 2, Actual acres = 19. Residual basal area = red pine 2 sq ft. Additional retention excluded with paint line along marsh edge.</p> <p>[8/31/2012 TI] Sale is closed. TCR date 7/30/2012. Stand will be added to the regeneration timeclock.</p> <p>(10/12/2012 AP) Stand was scarified by Holli Forest Products in fall 2012. Regen count scheduled for 2017.</p> <p>(10/17/2016) Regeneration check occurred in fall 2016 and passed. Stand has excellent stocking.</p>
7	42210 - Natural Red Pine	Sawtimber Medium	9.5	96	51-80	
9	4221 - Natural Red Pine	Sawtimber Well	39.2	99	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
10	42220 - Natural Jack Pine	Sapling Poor	22.6	5	1-50	<p>[9/3/10 bb] Stand is now on proposal 44-10 High-duck Sale, Unit 2, Actual acres = 19. Residual basal area = red pine 2 sq ft. Additional retention excluded with paint line along marsh edge.</p> <p>[8/31/2012 TI] Sale is closed. TCR date 7/30/2012. Stand will be added to the regeneration timeclock.</p> <p>(10/12/2012 AP) Stand was scarified by Holli Forest Products in fall 2012. Regen count scheduled for 2017.</p> <p>[8/12/16 TI] Regeneration was counted in June 2016 and failed. There is very little regeneration in the stand. The stand will be planted with the adjacent stands.</p> <p>3/15/17: AP - Site was reviewed by TMS and it was determined to be fully stocked.</p>
11	42220 - Natural Jack Pine	Poletimber Medium	22.5	41	1-50	
12	42220 - Natural Jack Pine	Sapling Poor	17.1	5	1-50	<p>[9/3/10 bb] Stand is now on proposal 44-10 High-duck Sale, Unit 2, Actual acres = 19. Residual basal area = red pine 2 sq ft. Additional retention excluded with paint line along marsh edge.</p> <p>[8/31/2012 TI] Sale is closed. TCR date 7/30/2012. Stand will be added to the regeneration timeclock.</p> <p>(10/12/2012 AP) Stand was scarified by Holli Forest Products in fall 2012. Regen count scheduled for 2017.</p> <p>[8/12/16 TI] Regeneration was counted in June 2016 and failed. There is very little regeneration in the stand. The stand will be planted with the adjacent stands.</p> <p>(1/3/2017 AP) TMS reviewed stand prior to being added to trenching plan and determined it was fully stocked. Trenching treatment was dropped.</p>
13	42200 - Natural White Pine	Sawtimber Medium	5.8	97	51-80	
15	42220 - Natural Jack Pine	Poletimber Well	2.9	54	81-110	
16	42220 - Natural Jack Pine	Sawtimber Well	28.9	54	81-110	
17	42210 - Natural Red Pine	Sawtimber Well	13.1	63	111-140	<p>9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 4, Actual Acres = 12. Residual basal area = Red Pine 33' and White Pine 1'</p> <p>2018: Stand was never cut and sale went 'No Bid' three times.</p>
18	42220 - Natural Jack Pine	Poletimber Well	8.1	41	51-80	
20	42290 - Natural Mixed Pine	Poletimber Well	3.7	65	81-110	<p>9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 4, Actual Acres = 32. Residual basal area = Red Pine 11' and White pine 9'.</p> <p>2018: Stand is no longer on contract. The sale went no-bid three separate times.</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	42220 - Natural Jack Pine	Poletimber Well	14.4	80	81-110	<p>OPIC - FMD: Stand is consists mostly of jack pine ridges with pockets of pine logs throughout. Stand will have to be cut in the winter. Concentrate on leaving smaller diameter red pine and windfirm red pine over 24" in diameter. Retention should be accomplished by leaving patches along edges of marsh excluded with the red line. Regenerating this stand and other surrounding jackpine islands is going to be challenging. Scarification is truly the best method to get this done. To accomplish this consider either making it a part of the sale contract since the producer would have better control of the temporary road which will be needed to cut the sale or leave the roads in place for the regular contractor and have DNR staff pull the fill after the stands are scarified. In either case it will be critical to get the stand scarified in the summer following harvest. Soils are Rubicon-Croswell-Deford Complex and the habitat type is PVE.</p> <p>Compartment Review Decision was to keep cultivation codes in place for scarification but work out methods before selling sale.</p> <p>9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 6, Actual Acres = 14. Residual basal area = Red Pine 11'. Stand is scheduled for scarification under FTP C41-1479. The scarification units will be cut first, anchor chains will be hauled to the site in the winter and will be scarified with Department staff and equipment. The temporary roads will be in-place for a short window to get the work done.</p>
22	42220 - Natural Jack Pine	Sapling Poor	6.9	6	1-50	<p>OPIC - FMD: Stand was cut adjacent on both sides in the early 60's. Jack pine is mature and starting to fall apart. There are going to be green-up issues with the stand to the north which was set up in the winter of 2008. Visual Management is not at all a concern in this area since it is very remote and not visible from any roads. There are scattered red pine and white pine within the stand leave some. Retention should be excluded patches along the N types. Acceptable regeneration will be jack pine and black spruce. Soils are Kinross-Augres-Rubicon and the Habitat Type is PArV</p> <p>Compartment Review Decision was to cut stand regardless of green-up restrictions because the stand was not near any travel routes nor visible by the public and the stand is mature.</p> <p>[9/3/10 bb] Stand is now on proposal 44-10 High-duck Sale, Unit 2, Actual acres = 19. Residual basal area = red pine 2 sq ft. Additional retention excluded with paint line along marsh edge.</p> <p>[8/31/2012 TI] Sale is closed. TCR date 7/30/2012. Stand will be added to the regeneration timeclock.</p> <p>(10/12/2012 AP) Stand was scarified by Holli Forest Products in fall 2012. Regen count scheduled for 2017.</p> <p>(10/17/2016) Regeneration check occurred in fall 2016 and passed.</p>
23	42220 - Natural Jack Pine	Sapling Well	114.1	25	Immature	Stand was the Old Joe Sale cut in the early 90's.
24	42220 - Natural Jack Pine	Poletimber Medium	4.4	35	51-80	OPIC - FMD: Stand was in the early 1980's as part of Marsh Island.
25	42220 - Natural Jack Pine	Poletimber Medium	27.7	35	Unspecified	
26	42220 - Natural Jack Pine	Poletimber Medium	17.4	35	Unspecified	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
27	42220 - Natural Jack Pine	Poletimber Medium	7.7	35	Unspecified	
28	42220 - Natural Jack Pine	Poletimber Medium	6.1	35	Unspecified	
29	42220 - Natural Jack Pine	Sapling Well	138.1	18	Immature	<p>OPIC - FMD: Stand all cut summer 2000 partially scarified 12 acres fall 2000.</p> <p>[7-22-02] Sale is now close (Highwater Bumps). Most of the residual red pine blew down during a windstorm in summer of 2001 and were never salvaged.</p> <p>[3/15/04 BB] Received a completion for 54 acres of Seeding, Don indicates this is the back portion of the sale that was inaccessible during summer months. Seeding was done over the snow from a snowmobile. Schedule a regen check in 2007.</p> <p>(1/19/06AP) Regen walkthrough was done by TMS. Stand is fully regenerated. CLOSE FTP-C41-964</p> <p>New Comments; Much of the red pine that was left blew over. However, many of the areas with red pine reserves did regenerate with red pine. Residual red pine is approximately 10 square feet overall, thicker in some areas especially west edge.</p>
30	42290 - Natural Mixed Pine	Poletimber Poor	12.4	35	1-50	Stand was cut between 1981-1985 Marsh Islands Sale.
31	429 - Mixed Upland Conifers	Sawtimber Well	11.2	89	111-140	
32	42220 - Natural Jack Pine	Sapling Well	16.3	23	Immature	Stand was cut as part of No Name Lake Sale, sale closed and was scarified in 1995.
33	42220 - Natural Jack Pine	Sawtimber Well	31.6	84	81-110	
34	42290 - Natural Mixed Pine	Sawtimber Well	9.3	89	81-110	<p>OIPC Comments: Do a shelterwood seed tree leaving a good seed source of trees. Due to the poor pine log markets pine over 24 inches should be left for seed. Regeneration should occur naturally much like the stands that were cut to the west 10 years ago. Stand 81 in compartment 31 should be scheduled at the compartment review to set up with this stand, the stand already has similar remarks. Soils are Rubicon-Croswell-Deford Complex and the Habitat type is PVE.</p> <p>9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 5, Actual Acres = 8. Residual basal area = Red Pine 33' and White pine 8'.</p>
35	42290 - Natural Mixed Pine	Sawtimber Well	2.3	65	81-110	<p>9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 4, Actual Acres = 32. Residual basal area = Red Pine 11' and White pine 9'.</p> <p>2018: Stand is no longer on contract. The sale went no-bid three separate times.</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	42290 - Natural Mixed Pine	Sawtimber Well	14.4	91	111-140	9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 7, Actual Acres = 14. Residual basal area = Red Pine 8' and White pine 23'. 2018: Stand is no longer on proposal. Sale went no-bid three times.
37	42290 - Natural Mixed Pine	Sawtimber Well	21.6	92	81-110	9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 8, Actual Acres = 19. Residual basal area = Red Pine 14' and White pine 24'. 2018: Stand is no longer on proposal. Sale went no bid three times.
38	42260 - Natural Pine, Mixed Deciduous	Sawtimber Poor	45.9	76	1-50	[12/19/06 BB] Sale is now closed. This unit was cut in the winter of 2005 and roads were removed in the summer of 2005. Stand was cut as part of West Branch March Sale #41-016-01-01
39	42220 - Natural Jack Pine	Sawtimber Well	9.3	80	51-80	OPIC - FMD: Stand is consists mostly of jack pine ridges with pockets of pine logs throughout. Stand will have to be cut in the winter. Concentrate on leaving smaller diameter red pine and windfirm red pine over 24" in diameter. Retention should be accomplished by leaving patches along edges of marsh excluded with the red line. Regenerating this stand and other surrounding jackpine islands is going to be challenging. Scarification is truly the best method to get this done. To accomplish this consider either making it a part of the sale contract since the producer would have better control of the temporary road which will be needed to cut the sale or leave the roads in place for the regular contractor and have DNR staff pull the fill after the stands are scarified. In either case it will be critical to get the stand scarified in the summer following harvest. Soils are Rubicon-Croswell-Deford Complex and the habitat type is PVE. Compartment Review Decision was to keep cultivation codes in place for scarification but work out methods before selling sale. 9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 3, Actual Acres = 8. Residual basal area = Red Pine 3' and White pine 3'. Stand is scheduled for scarification under FTP C41-1479. The scarification units will be cut first, anchor chains will be hauled to the site in the winter and will be scarified with Department staff and equipment. The temporary roads will be in-place for a short window to get the work done. 2018: Stand is no longer on proposal. Sale went no-bid three times.
40	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	30.1	76	1-50	[12/19/06 BB] Sale is now closed. This unit was cut in the winter of 2005 and roads were removed in the summer of 2005. Stand was cut as part of West Branch March Sale #41-016-01-01
41	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	36.8	111	111-140	
42	4312 - Hemlock, Mixed Deciduous	Sawtimber Well	6.1	111	111-140	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	42260 - Natural Pine, Mixed Deciduous	Sawtimber Poor	26.6	76	1-50	[12/19/06 BB] Sale is now closed. This unit was cut in the winter of 2005 and roads were removed in the summer of 2005. Stand was cut as part of West Branch March Sale #41-016-01-01
44	42290 - Natural Mixed Pine	Sawtimber Well	39.9	65	81-110	9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 4, Actual Acres = 32. Residual basal area = Red Pine 11' and White pine 9'. 2018: Stand is no longer on contract. The sale went no-bid three separate times.
46	42200 - Natural White Pine	Sawtimber Poor	35.9	107	1-50	OPIC - FMD: [12/19/06 BB] Sale is now closed. This unit was cut in the winter of 2006 and roads were removed in the summer of 2006. Stand was cut as part of West Branch March Sale #41-016-01-01. The TCR date is 12/14/06.
47	42290 - Natural Mixed Pine	Sawtimber Well	7.2	93	81-110	
48	42220 - Natural Jack Pine	Poletimber Medium	17.0	54	1-50	
49	42290 - Natural Mixed Pine	Sapling Poor	3.6	16	1-50	OPIC - FMD: [1/17/03 BB] Stand was cut between the winters of 1998 and 2002, this stand was added to Timbersale # 41-034-98-01 in Compartment 31 because the it was the only way and time the small stand could be treated. Permissions were granted and on file in the Compartment file to treat the stand out of entry.
50	42220 - Natural Jack Pine	Sapling Poor	7.4	16	Immature	OPIC - FMD: [1/17/03 BB] Stand was cut between the winters of 1998 and 2002, this stand was added to Timbersale # 41-034-98-01 in Compartment 31 because the it was the only way and time the small stand could be treated. Permissions were granted and on file in the Compartment file to treat the stand out of entry.
51	42210 - Natural Red Pine	Poletimber Well	1.1	90	81-110	
52	42220 - Natural Jack Pine	Poletimber Medium	10.8	54	1-50	
53	42290 - Natural Mixed Pine	Sawtimber Well	4.3	80	51-80	OPIC - FMD: Stand has a fairly even mix of jack pine and red pine. The amount of jack pine is the result of this stand being a pole stand rather than a log stand. Do a shelterwood seed tree leaving a good seed source of trees. Due to the poor pine log markets pine over 24 inches should be left for seed. 9/10/10 bb Stand is now on proposal 41-007-10 Tatrow's Marsh Sale. Part of Unit 5, Actual Acres = 4. Residual basal area = Red Pine 15' and White pine 10'. 2018: This stand is no longer on proposal. Sale went no-bid three times.
54	42200 - Natural White Pine	Sawtimber Well	12.1	91	111-140	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
55	429 - Mixed Upland Conifers	Poletimber Well	13.9	43	1-50	
56	42220 - Natural Jack Pine	Sawtimber Well	26.0	84	81-110	
57	42200 - Natural White Pine	Sawtimber Well	9.8	91	111-140	
58	42290 - Natural Mixed Pine	Sawtimber Well	30.8	93	81-110	
59	42200 - Natural White Pine	Sawtimber Well	4.1	91	111-140	
60	429 - Mixed Upland Conifers	Poletimber Poor	3.7	43	1-50	
61	42220 - Natural Jack Pine	Sapling Well	2.1	18	Immature	OPIC - FMD: Part of Broken Compass sale only 25 acres scarified 9-2000, schedule regen check in 3 years (10/18/05 AP) Regen counts - 884 jack pine, 26 red pine, 52 white pine, 225 black spruce (12/28/05) FTP closed with a letter.
62	42220 - Natural Jack Pine	Poletimber Well	1.0	60	51-80	Treat stand with the adjacent compartment when stands 22 and 76 are treated.
64	42220 - Natural Jack Pine	Sapling Well	1.5	18	Immature	OPIC - FMD: Stand all cut summer 2000 [7-22-02] Sale is now close (Highwater Bumps). Most of the residual red pine blew down during a windstorm in summer of 2001 and were never salvaged. [3/15/04 BB] Received a completion for 54 acres of Seeding, Don indicates this is the back portion of the sale that was inaccessible during summer months. Seeding was done over the snow from a snowmobile. Schedule a regen check in 2007. (1/19/06AP) Regen walkthrough was done by TMS. Stand is fully regenerated. CLOSE FTP-C41-964 New Comments; Much of the red pine that was left blew over. However, many of the areas with red pine reserves did regenerate with red pine. Residual red pine is approximately 10 square feet overall, thicker in some areas especially west edge.
65	42290 - Natural Mixed Pine	Sawtimber Well	4.9	93	81-110	
66	42290 - Natural Mixed Pine	Sawtimber Well	3.3	93	81-110	
67	42290 - Natural Mixed Pine	Poletimber Poor	4.4	35	1-50	Stand was cut between 1981-1985 Marsh Islands Sale.
68	42290 - Natural Mixed Pine	Poletimber Poor	3.7	35	1-50	Stand was cut between 1981-1985 Marsh Islands Sale.
69	42290 - Natural Mixed Pine	Sawtimber Well	2.3	93	111-140	

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Shingleton Mgt. Unit

Report 7 – Forested Stands

Compartment: 32
Year of Entry: 2020



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
70	42220 - Natural Jack Pine	Poletimber Well	6.4	54	81-110	
72	42200 - Natural White Pine	Sawtimber Well	2.9	91	111-140	
77	6122 - Black Spruce	Poletimber Medium	0.6	53	1-50	OPIC - FMD: Stand was cut through in the 60's with stand 12 compartment 31. However, it was not very thorough, more like a salvage cut resulting in pockets of mature trees being left. However, majority of stand is younger spruce.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6233 - Wet Meadow	3.2	No	OPIC - FMD: ERA - Patterened Fen Delineated by MNFI Soils are MarkeyMucky Peat
3	6229 - Mixed lowland shrub	24.5	No	
8	6229 - Mixed lowland shrub	124.2	No	Stand contains some red pine islands less than an acre and they are heavily water stressed.
14	6229 - Mixed lowland shrub	2.4	No	OPIC - FMD: Soils are Kinross-Augres-Rubicon Complex.
19	500 - Water	19.1	No	
45	6229 - Mixed lowland shrub	3.4	No	
63	6229 - Mixed lowland shrub	3.1	No	
71	6233 - Wet Meadow	1458.2	No	
73	6233 - Wet Meadow	1.9	No	
74	622 - Lowland Shrub	3.6	No	
76	6229 - Mixed lowland shrub	8.2	No	