

Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41001

Entry Year: 2027

Acreage: 1,004

County: Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Scott Kentner

Legal Description:

T45N R13W Sections 1, 12 and 13

Identified Planning Goals:

Management activities that coordinate multiple uses and benefits for the people of Michigan including recreation, timber production and protection/enhancement of wildlife habitat are desirable.

Soil and topography:

This area typically displays flat to gently rolling terrain, and most of this compartment features upland habitat on sandy soils including Kalkaska sand, Liminga fine sand, and Graveraet very fine sandy loam. The lowland areas are generally on either muck soils or peat. The most commonly occurring habitat types are AFPo (sugar maple-beech/hairy Solomon's seal) and ATFD (sugar maple-hemlock-beech/shield fern) which account for the dominance of northern hardwoods throughout most of the compartment. These habitat types are known to produce high-quality wood products of all tree species, but require major disturbance to keep them from reverting to the hardwoods.

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

There are numerous hunting camps on the private lands in and adjacent to this compartment. State-owned lands consist of 3 separate blocks of 40, 160, and approx. 843 acres. All are contiguous to state-owned lands in Compartment 2 to the west.

Unique Natural Features:

None known at this time.

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

Due to this area's proximity to the Fox River, proper use of all BMP's associated with flowing water are critical.

Watershed and Fisheries Considerations:

This compartment contains an un-mapped drainage that has continuous flow throughout the year, indicating strong inputs of groundwater. Additionally, this drainage serves as a tributary to the Fox River, a designated Natural River. The Fox River system supports a very good brook trout population. The Fox is currently stocked with brook trout, but recent fisheries surveys indicate that significant natural reproduction is occurring, and that suspension of stocking may be instituted to determine if the brook trout population can support itself through natural reproduction. Small streams and drainages such as this un-named drainage are important regarding preserving water quality to larger streams and rivers, such as the Fox River. Protecting the river systems from inputs of sediment is crucially important. Best Management Practices should be followed.

Wildlife Habitat Considerations:

This compartment lies southeast of Seney. During pre-settlement times, sugar maple appeared to be the most abundant tree species in the upland forest. Beech, hemlock, basswood, and American elm were common, while yellow birch, red maple and balsam fir appeared to be minor components in the sugar maple forest. Tamarack, spruce and cedar dominated the lowland areas. Lowland areas within this compartment appear to be similar to pre-settlement species composition. Upland areas remain dominated by northern hardwood stands. However, the species composition of those stands has shifted from a heterogeneous mixture of hardwoods and conifers to a system dominated by sugar maple. The amount of hemlock and beech in those stands appears to have been reduced. Additionally, red pine plantations and aspen of various ages now occur across a fair portion of this compartment. Featured species in this compartment are black bear, northern goshawk, snowshoe hare, spruce grouse, and white-tailed deer. Wildlife objectives for hardwood stands include restoring structural and species diversity. Additionally, the red pine plantations within this compartment contain substantial amounts of hardwood regeneration. Through rotational thinnings, these stands will eventually revert to diverse northern hardwoods containing super-canopy red pine. Maintaining age class diversity between the aspen stands and promoting mast-bearing tree and shrub species are also important habitat goals.

Mineral Resource and Development Concerns and/or Restrictions

: Surface sediments consist of peat and muck and lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Stonington and Big Hill Formations and Queenston Shale subcrop below the glacial drift. The Stonington and Big Hill could be used for stone/dolomite. Gravel pits are not found in the general area, but there may be some potential on the uplands. There is no commercial oil and gas production in the UP.

Vehicle Access:

Most of the compartment is easily accessible by woods roads that connect to the Old Seney Road (Co. Rd. 450), which also passes through the southernmost block of 160 acres in section 13. The woods road network also connects directly to Highway M-28 to the north.

Survey Needs:

None known at this time.

Recreational Facilities and Opportunities:

The Old Seney Road is a groomed and well-used snowmobile trail, and this area also receives heavy hunting pressure. There are no other improved recreational facilities within this compartment.

Fire Protection:

The existing road network provides good access to most of the state lands, which generally feature relatively low-risk fuel types such as northern hardwoods and aspen. There are numerous open areas of grass and upland brush throughout the compartment. The adjacent private lands feature low, wet terrain that could prove challenging, both for access and their more hazardous conifer fuel types.

Additional Compartment Information:

The following reports from the Inventory are attached:

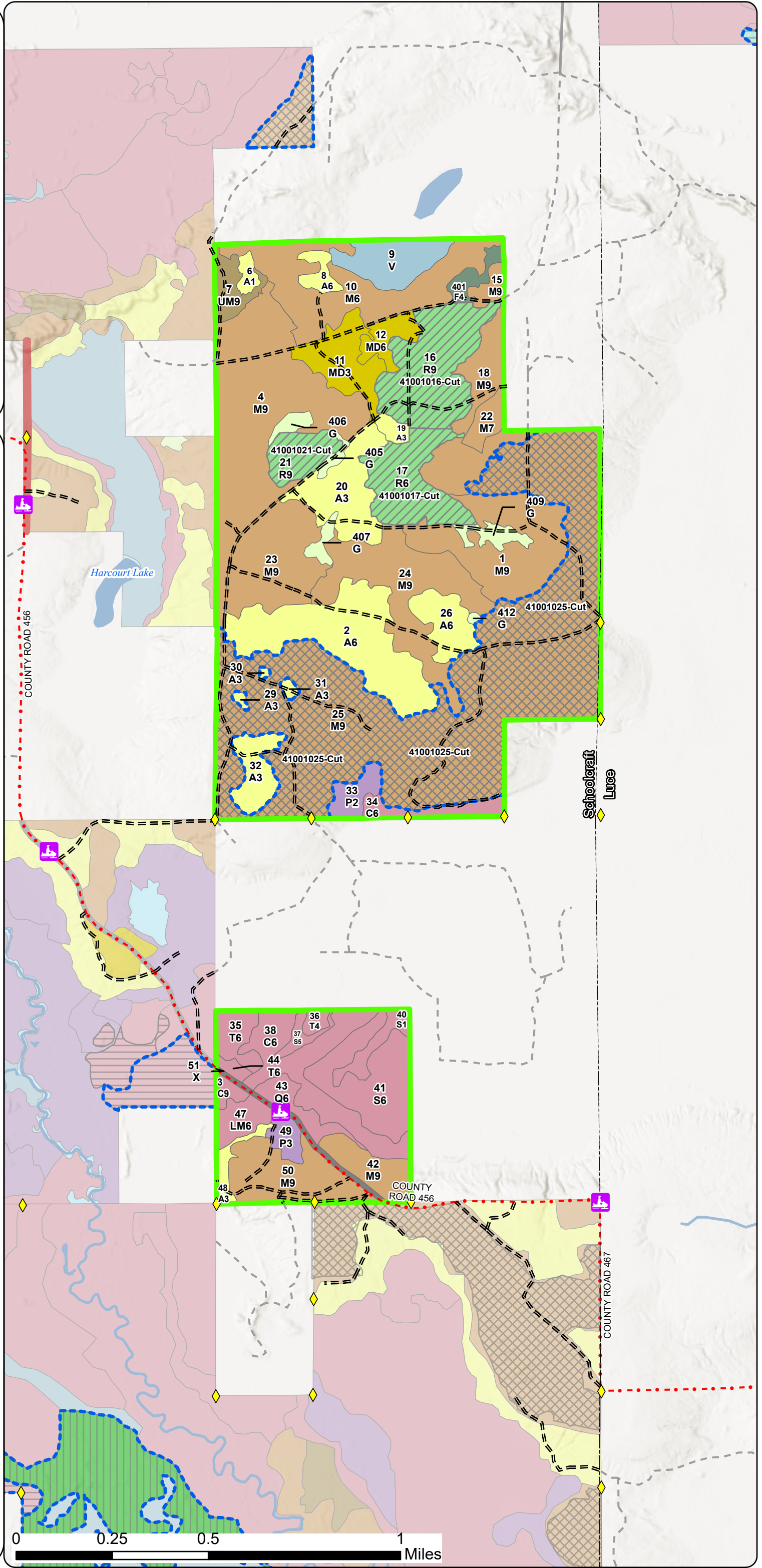
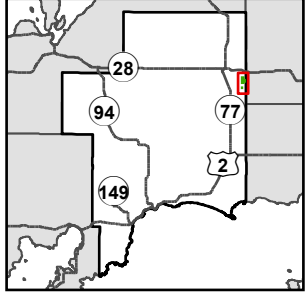
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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: 41001
 T45N,R13W, Sec: 1, 12, 13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt. Area: Seney Lake Plain
 YOE: 2027
 Acres: 1,003.73 GIS Calculated
 Examiner: Scott Kentner
 Date Exported: 02/04/2026
 Map Phase: Post Review

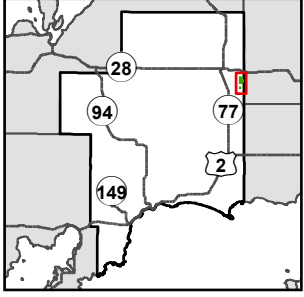


- Survey Grade Corners
- Compartment Boundary
- Treatments with Site Conditions
- Selection
- Thinning
- Clearcut
- Selection
- Shelterwood
- Overstory Removal
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub

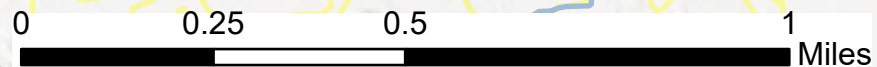
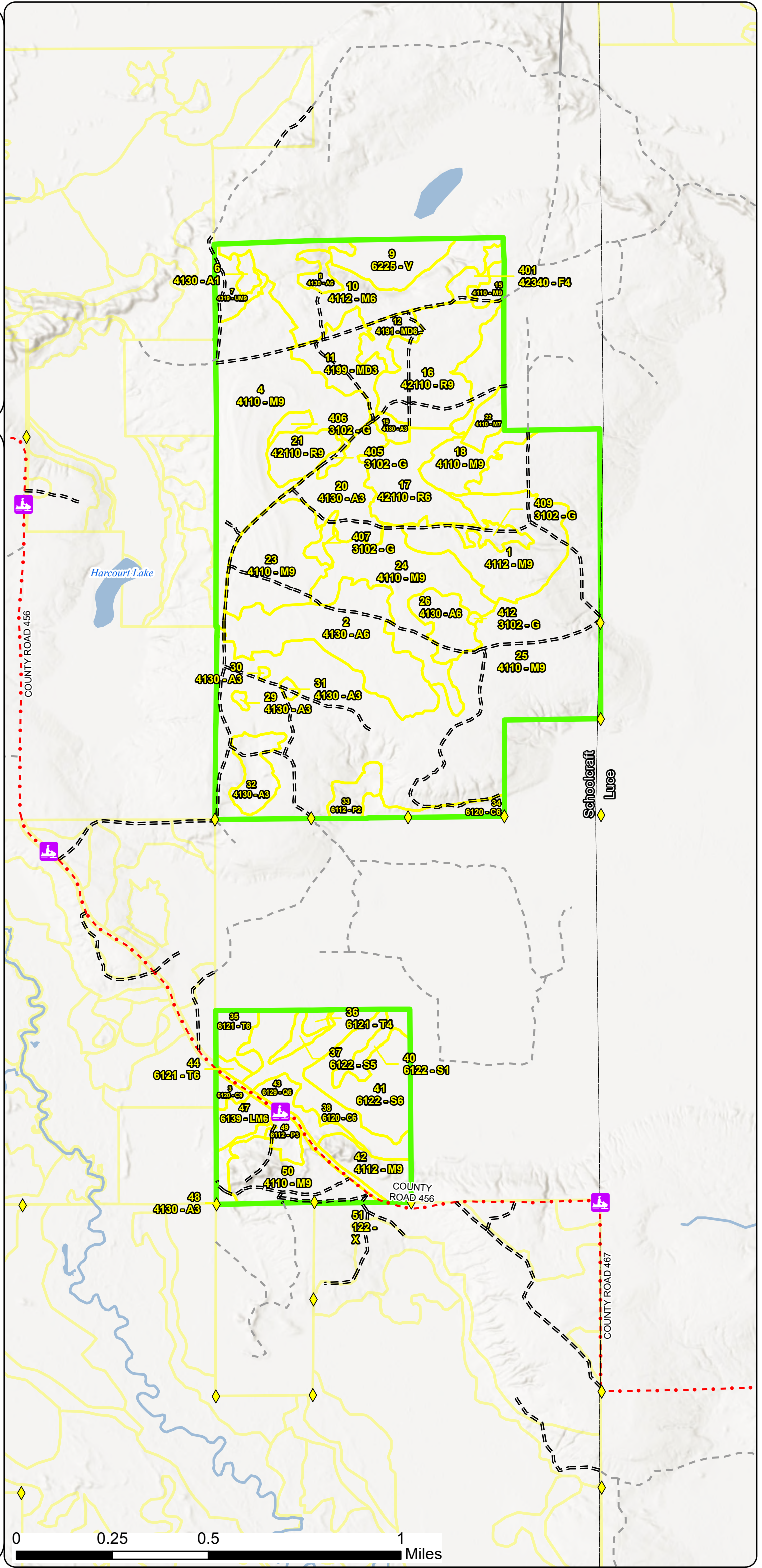


Stand Boundary Map

Compartment: 41001
 T45N,R13W, Sec: 1, 12, 13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt. Area: Seney Lake Plain
 YOE: 2027
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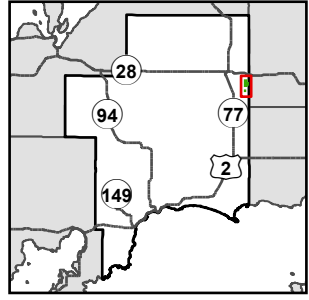


- ◆ Survey Grade Corners
- ▭ Compartment Boundary
- ▭ Stand Outline
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
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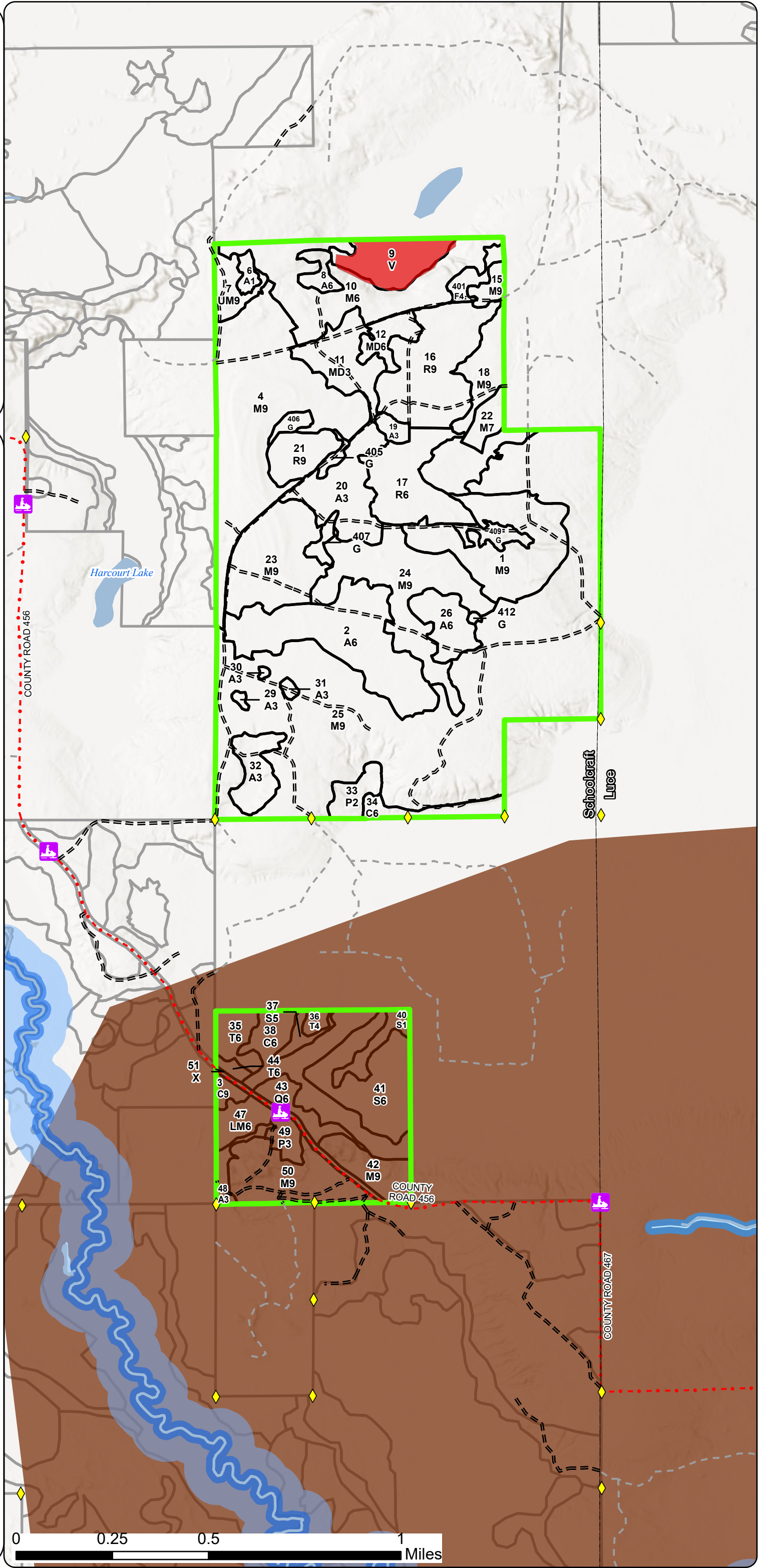


Special Conservation Areas & Site Conditions Map

Compartment: 41001
 T45N,R13W, Sec: 1, 12, 13
 County: Schoolcraft
 Unit: Shingleton
 Mgmt. Area: Seney Lake Plain
 YOE: 2027
 Acres: 1,003.73 GIS Calculated
 Examiner: Scott Kentner
 Date Exported: 02/04/2026
 Map Phase: Post Review



- Survey Grade Corners
- Compartment Boundary
- Stand Boundaries
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



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	3	0	15	102	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Bog	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Cedar	0	0	0	0	0	0	0	0	0	0	0	9	0	3	0	0	32	0	44
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Aspen/Balsam Poplar	0	0	8	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	8
Lowland Mixed Forest	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	8
Lowland Spruce/Fir	0	0	0	0	0	0	7	0	0	0	0	31	0	0	0	0	0	4	42
Mixed Upland Deciduous	0	0	0	0	19	0	0	8	0	0	0	0	0	0	0	0	0	0	27
Northern Hardwood	0	0	0	0	0	0	0	0	447	0	0	0	0	0	0	0	0	152	599
Red Pine	0	0	0	0	0	0	82	0	0	0	0	0	0	0	0	0	0	0	82
Tamarack	0	0	0	0	0	0	2	0	0	2	9	0	0	0	0	0	0	0	13
Upland Mixed Forest	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0	0	0	8
Upland Spruce/Fir	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	36	3	8	15	126	8	91	13	0	458	9	48	0	3	0	0	32	156	1005

Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2027

Acres of Harvest

Compartment 1
Total Compartment Acres: 1,004

Commercial Harvest - 82
Harvests with Site Condition - 522
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	261	0	0	0	0	0	0	0	261
Red Pine	0	0	0	0	82	0	0	0	0	82
Total	0	261	0	0	82	0	0	0	0	343

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	343	0	0	0	0	0	0	0	0	343
Next Step	0	0	0	0	0	261	0	0	0	261
Total	343	0	0	0	0	261	0	0	0	604

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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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Approved Treatments:

16	41001016-Cut	41.6	42110 - Planted Red Pine	9	58	81-110	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription 3rd Entry Thinning: Remove 1/4 to 1/3 of the BA, focus on removing trees that are large in size and at their economic peak for value (current
Specs: crop trees).

Next Step
Treatments:

Acceptable Red Pine
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

17	41001017-Cut	27.9	42110 - Planted Red Pine	6	58	81-110	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription 3rd Entry Thinning: Remove 1/4 to 1/3 of the BA, focus on removing trees that are large in size and at their economic peak for value (current
Specs: crop trees).

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

21	41001021-Cut	12.1	42110 - Planted Red Pine	9	58	81-110	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
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Prescription 3rd Entry Thinning: Remove 1/4 to 1/3 of the BA, focus on removing trees that are large in size and at their economic peak for value (current
Specs: crop trees).

Next Step
Treatments:

Acceptable Red pine
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/01/2026

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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
25 41001025-Cut	261.2	4110 - Sugar Maple Association	9	89	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No
<p><u>Prescription</u> Single Tree Selection Harvest: Mark stand down to an average of about 80 BA. Follow the northern hardwood marking guidance to promote advanced regen that is currently growing in the understory.</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 Regen:</u> Acceptable northern hardwood species</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/01/2026</p>										

Total Treatment Acreage Proposed: 342.8

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner: Examiner

Compartment: 1
Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	2I	3A
		With Condition	Not Available			
120	120	0	0	Aspen		
18	0	0	18	Bog		18
43	43	0	0	Cedar		
13	13	0	0	Herbaceous Openland		
13	13	0	0	Lowland Aspen/Balsam Poplar		
8	8	0	0	Lowland Conifers		
8	8	0	0	Lowland Mixed Forest		
42	42	0	0	Lowland Spruce/Fir		
27	27	0	0	Mixed Upland Deciduous		
599	337	261	0	Northern Hardwood	261	
82	82	0	0	Red Pine		
13	13	0	0	Tamarack		
8	9	0	0	Upland Mixed Forest		
5	5	0	0	Upland Spruce/Fir		
5	5	0	0	Urban		
1,004	725	261	18	Total Forested Acres	261	18
	72%	26%	2%	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	18	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Ecological Reference Area: Treed Bog							
2	Available	2I: Survey needed	261	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
 Scott Kentner: Examiner

Compartment: 1
 Year of Entry: 2027

15	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner: Examiner

Compartment: 1
Year of Entry: 2027

26	Unavailable	5E: Long-Term Retention	0	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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	42.9	89	51-80	N/A	2015: Cut in 2001. Stand is variable as far as stocking, areas with higher BA is due to red maple clumps. Scattered spruce on edges as well as beech brush.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		75	Log/Pole	10	89	Sugar Maple		Medium	Variable	Variable
Red Maple		25		10		Balsam Fir		High	Variable	Variable
						Ironwood	Medium	Variable	Variable	
2	4130 - Aspen	Poletimber Well	52.5	32	1-50	N/A	YOE 2008: Young aspen with scattered residual conifers from the last stand, and occasional pockets of conifer regeneration. A few small patches of pin cherry etc. are also present, but provide valuable soft mast for wildlife.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		2	Sapling	4		Sugar Maple		Low	5 - 10 feet	5 - 10 feet
White Ash		3	Pole	8						
Quaking Aspen		93	Pole/Sapling	6	32					
Black Cherry		2	Pole/Sapling	6						
3	6120 - Lowland Cedar	Sawtimber Well	2.9	126	81-110	N/A	2015: Part of stand was included was included in a sale and not cut. There is Blue paint on the west side against compartment 2. Sale sold to zellar ex under contract number 41-023-08-01 osr conifers Unit returned uncut. RH3/22/14			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		1	Log/Pole	10		Balsam Fir		Low	Variable	Variable
Paper Birch		4	Log	12		Red Maple		Low	Variable	Variable
Black Spruce		5	Log/Pole	10						
Northern White Cedar		90	Log	12	126					
4	4110 - Sugar Maple Association	Sawtimber Well	85.0	89	51-80	N/A	TS: MHM:4-16 EAB & SBW unit 1. All Ash, Balsam and spruce removed from stand. TCR: 3/9/18			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		95	Log	16	89	Sugar Maple		Medium	Variable	Variable
Basswood		5	Log	16		White Ash		Medium	Variable	Variable
6	4130 - Aspen	Sapling Poor	2.8	8	Immature	N/A	Unit 3 of MHM:4-16 EAB & SBW Salvage. No residual TCR:3/9/18			
Canopy Species		% Cover	Size Class	DBH	Age					
Quaking Aspen		95	Sapling	2	8					
Black Cherry		5	Sapling	2						
7	4319 - Mixed Upland Forest	Sawtimber Well	8.5	86	81-110	N/A	2015: Stand is a bit odd, red maple overstory with a fir being codominate in many parts. Scattered hemlock in places as well as a few beech. 10/21/2015 "This stand was flagged with high or very high potential for spruce budworm impact but the decision at Compartment Review was not to harvest the stand at this time."			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		50	Log/Pole	10	86	Quaking Aspen		Low	Variable	Variable
Balsam Fir		45	Pole	8	43	Beech		Medium	Variable	Variable
Northern White Cedar		2	Log	10		Balsam Fir		Medium	Variable	Variable
Hemlock		3	Log	14		Red Maple		Medium	Variable	Variable
8	4130 - Aspen	Poletimber Well	4.6	33	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		85	Sapling/Pole	4	33	Black Cherry		Medium	Variable	Variable
Balsam Fir		15	Pole	6		Red Maple		Medium	Variable	Variable
						Balsam Fir	Medium	Variable	Variable	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9 6225 - Bog None 17.8 No Boggy area featuring leatherleaf, wet grass and lowland brush.

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Low	< 5 feet	< 5 feet
Black Spruce	Low	< 5 feet	< 5 feet
Northern White Cedar	Trace	5 - 10 feet	5 - 10 feet

10 4112 - Maple, Beech, Cherry Association Poletimber Well 48.5 89 81-110 N/A Nice maple stand with advanced sugar maple regen.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	55	Log/Pole	12	89
Red Maple	25	Log/Pole	10	
Basswood	4	Log	14	
White Ash	10	Log	12	
Beech	3	Log	14	
Balsam Fir	3	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Beech	Medium	Variable	Variable
Ironwood	Medium	Variable	Variable
Sugar Maple	High	Variable	Variable
Red Maple	Low	Variable	Variable
Balsam Fir	Medium	Variable	Variable

11 4199 - Other Mixed Upland Deciduous Sapling Well 18.9 37 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Pole	6	
Red Oak	15	Sapling	4	37
Paper Birch	10	Sapling	4	
Quaking Aspen	30	Pole	6	37
Balsam Fir	5	Pole	6	
Ironwood	15	Sapling	4	

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

12 4191 - Mixed Upland Deciduous with Conifer Poletimber Well 8.2 61 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Pole	8	61
Quaking Aspen	30	Pole	8	
Balsam Fir	20	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	High	Variable	Variable
Balsam Fir	Low	Variable	Variable
Sugar Maple	Medium	Variable	Variable
Beech	Low	Variable	Variable

15 4110 - Sugar Maple Association Sawtimber Well 4.2 89 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	95	Log	10	89
Beech	3	XLog	18	
Balsam Fir	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	Variable	Variable
Ironwood	Medium	Variable	Variable

16 42110 - Planted Red Pine Sawtimber Well 41.6 58 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	100	Log	12	58

[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine.
Residual BA: Red pine - 113; b.cherry - 3; total = 116 sq.ft./acre
[2-24-12] Sale is now closed/completed TCR dtd 1/30/12.

Comp 1 Spp TS: 41-028-17-01 units 1-3 TCR: 8/28/18

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
17	42110 - Planted Red Pine	Poletimber Well	27.9	58	81-110	N/A	[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine. Residual BA: Red pine - 120; b.cherry - 1; total = 121 sq.ft./acre [2-24-12] Sale is now closed/completed TCR dtd 1/30/12.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log/Pole	10	58	Sugar Maple	Low	Variable	Variable
Comp 1 Spp. Units 6-7 TS: 41-028-17-01 TCR: 8/28/18									
18	4110 - Sugar Maple Association	Sawtimber Well	27.3	89	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		85	Log	12	89	Ironwood	Medium	Variable	Variable
White Ash		5	Log	14		Balsam Fir	Medium	Variable	Variable
Quaking Aspen		5	Log	14		Sugar Maple	Medium	Variable	Variable
Balsam Fir		5	Pole	8		Beech	Low	Variable	Variable
19	4130 - Aspen	Sapling Well	3.0	21	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		60	Sapling	4	21	Ironwood	Medium	5 - 10 feet	5 - 10 feet
Black Cherry		10	Sapling	2					
Ironwood		30	Sapling	2					
20	4130 - Aspen	Sapling Well	24.5	31	1-50	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		83	Sapling	4	31	Ironwood	Medium	Variable	Variable
Balsam Fir		2	Pole	6		Sugar Maple	Low	Variable	Variable
Black Cherry		15	Sapling	4					
21	42110 - Planted Red Pine	Sawtimber Well	12.1	58	81-110	N/A	[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine. Residual BA: Red pine - 101; b.cherry - 5; total = 106 sq.ft./acre [2-24-12] Sale is now closed/completed TCR dtd 1/30/12.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine		100	Log	12	58	Sugar Maple	Medium	5 - 10 feet	5 - 10 feet
Comp 1. Pinus Spp. unit 9 TS:41-028-17-01 TCR: 8/28/18									
22	4110 - Sugar Maple Association	Sawtimber Poor	6.1	89	1-50	N/A	comp 1 Pinus spp unit 8 TS: 41-028-17-01 TCR: 8/28/18		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		80	Log	14	89	Quaking Aspen	High	5 - 10 feet	5 - 10 feet
Balsam Fir		10	Pole	8					
Black Cherry		10	Pole	8					
23	4110 - Sugar Maple Association	Sawtimber Well	35.8	89	81-110	N/A	Areas of higher BA are due to tree clumps.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		90	Log/Pole	12	89	Ironwood	Medium	Variable	Variable
White Ash		10	Log	16		Sugar Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	4110 - Sugar Maple Association	Sawtimber Well	46.1	89	81-110	N/A	Unit 1 of MHM:4-16 EAB & SBW Salvage. Residual BA = hard maple 77', basswood 7' and cherry 1'.TCR: 3/9/18
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		93	Log/Pole	12	89	Beech	
Basswood		5	Log	12		Sugar Maple	
Black Cherry		2	Pole	8		Ironwood	
						Density	Avg. Height
							Size
						Medium	Variable
						Low	Variable
						Medium	Variable
25	4110 - Sugar Maple Association	Sawtimber Well	261.2	89	111-140	N/A	2015: This is a very large and fairly uniform stand, very good small advanced regen from harvest passed.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		88	Log	16	89	Sugar Maple	
Basswood		2	Log	16		Beech	
White Ash		10	Log	16		Ironwood	
						Density	Avg. Height
						Full	5 - 10 feet
						Medium	5 - 10 feet
						Medium	5 - 10 feet
							Size
							5 - 10 feet
							5 - 10 feet
							5 - 10 feet
26	4130 - Aspen	Poletimber Well	13.2	32	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		5	Sapling	2		Sugar Maple	
White Ash		3	Pole	8			
Quaking Aspen		90	Pole/Sapling	6	32		
Black Cherry		2	Pole/Sapling	6			
						Density	Avg. Height
						Low	Variable
							Size
							Variable
29	4130 - Aspen	Sapling Well	0.8	33	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		2	Sapling	2			
Quaking Aspen		98	Sapling	4	33		
30	4130 - Aspen	Sapling Well	0.5	33	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		2	Sapling	2			
Quaking Aspen		98	Sapling	4	33		
31	4130 - Aspen	Sapling Well	1.1	33	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Sugar Maple		2	Sapling	2			
Quaking Aspen		98	Sapling	4	33		
32	4130 - Aspen	Sapling Well	12.1	27	1-50	N/A	TCR 1/12/99 - 031-90-01 2015: Young aspen over a mix of hardwood regen and upland brush species. Stand includes some semi-open grassy areas.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		98	Sapling/Pole	4	27		
Northern Pin Oak		2	Sapling	2			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	6112 - Lowland Aspen	Sapling Medium	7.6	16	Immature	N/A	[8/13/08] Now under contract TS 41-003-07-01 Octo-Pine. See also FTP W41-1365 (aspen TSI.) Residual BA: cedar = 1 sq.ft./acre [2-24-12] Sale is now closed/completed TCR dtd 1/30/12. 2015: Stand is regenerating well, some residual maple and fir in the small pole size renage.
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		98	Sapling	1	16		
Balsam Fir		2	Sapling/Pole	4			
34	6120 - Lowland Cedar	Poletimber Well	8.6	108	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		2	Log/Pole	10			
Northern White Cedar		98	Log	14	108		
35	6121 - Tamarack	Poletimber Well	8.7	93	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		10	Pole	8			
Balsam Fir		5	Pole	8			
White Spruce		5	Pole	8			
Northern White Cedar		10	Pole	8			
Tamarack		70	Pole	8	93		
Sub-Canopy Species		Density	Avg. Height	Size			
Balsam Fir		Medium	5 - 10 feet	5 - 10 feet			
Northern White Cedar		Low	5 - 10 feet	5 - 10 feet			
36	6121 - Tamarack	Poletimber Poor	2.3	51	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		49	Sapling/Pole	4			
Tamarack		51	Sapling/Pole	4	51		
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Medium	Variable	Variable			
Northern White Cedar		Medium	Variable	Variable			
Tamarack		Low	Variable	Variable			
37	6122 - Black Spruce	Poletimber Medium	3.7	51	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		50	Sapling/Pole	4	51		
Northern White Cedar		35	Sapling/Pole	4			
Tamarack		15	Sapling/Pole	4			
Sub-Canopy Species		Density	Avg. Height	Size			
Tamarack		Low	Variable	Variable			
Black Spruce		Medium	Variable	Variable			
Northern White Cedar		High	Variable	Variable			
38	6120 - Lowland Cedar	Poletimber Well	31.9	152	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Paper Birch		5	Log	12			
Balsam Fir		5	Pole	8			
Northern White Cedar		85	Pole	9	152		
Tamarack		5	Log	10			
Sub-Canopy Species		Density	Avg. Height	Size			
Black Spruce		Low	Variable	Variable			
Balsam Fir		Low	Variable	Variable			
40	6122 - Black Spruce	Sapling Poor	6.6	51	1-50	N/A	Mainly dense sub-merchantable black spruce with few other species, some are dead.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Spruce		99		4	51		
Tamarack		1	Sapling/Pole	4			

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
41	6122 - Black Spruce	Poletimber Well	31.2	101	51-80	N/A																																																		
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42	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.4	89	51-80	N/A	41-039-17 unit 8																																																	
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43	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	8.4	101	81-110	N/A	2015: Composition changes the length of the stand, more lowland hardwood in north to conifer in south. Sale sold to zellar ex under contract number 41-023-08-01 osr conifers Unit returned uncut. RH3/22/14																																																	
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44	6121 - Tamarack	Poletimber Well	2.0	81	111-140	N/A	Sale sold to zellar ex under contract number 41-023-08-01 osr conifers Unit returned uncut. RH3/22/14A lot of the Tamarack is dead beyond salvage.																																																	
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47	6139 - Mixed Lowland Forest	Poletimber Well	8.2	46	51-80	N/A	Sale sold to zellar ex under contract number 41-023-08-01 osr conifers Unit returned uncut. RH3/22/14																																																	
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51	122 - Road/Parking Lot	None	4.7			No																																												
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
407	3102 - Grass	None	3.0			No					
								Sub-Canopy Species	Density	Avg. Height	Size
								White Pine	Trace	10 - 20 feet	10 - 20 feet
								Black Cherry	Trace	5 - 10 feet	5 - 10 feet
409	3102 - Grass	None	5.0			No					
412	3102 - Grass	None	0.5			No	Small grass opening				