



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41156

Entry Year 2026

Acreage: 1,130

County Schoolcraft

Management Area: Seney Lake Plain

Stand Examiner: Mario Molin

Legal Description:

Identified Planning Goals:

Vegetative management in the Seney Manistique Swamp management area (MA) (Figure 4.27.1) 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 ecological reference areas and deer wintering special conservation areas; and provide for forest based recreational uses. Timber management objectives for this 10-year planning period include: improving the age-class distribution of jack pine, aspen and red pine; and continued selective harvesting of northern hardwoods to achieve an all-age class structure. Wildlife management objectives include increasing the structural complexity of northern hardwood communities for interior forest species; perpetuating early-successional communities to promote wildlife populations adapted to young forests; and providing for hunting and other wildlife related recreation. Management activities may be constrained due to poor access in this swampy area. Expected issues for this 10-year planning period include the need to regenerate natural stands of red pine and introduced insect and disease concerns (especially emerald ash borer and beech bark disease).

Soil and topography:

The topography in this compartment is mainly flat. Soil classifications include: Newton Sand, Saugatuck Sand and some Houghton Muck.

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

Compartment: There are two private parcels along the north border of the compartment. The east side of the compartment borders the Seney National Wildlife Refuge; and the rest of the surrounding land is state owned. This compartment lies within the Seney Sand Lake Plain Sub-subsection (VIII.2.1).

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains the Creighton River. Downstream of M28, the Creighton River is a non-designated stream less than 50-ft wide with a predicted mean July water temperature of 64.8 °F (cold stream). A minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is bounded on the north by M-28 and contains the Creighton River. In 1850, the upland forest in this compartment was a mix of hemlock, yellow birch, white birch, white pine, and red maple. Lowland areas were dominated by tamarack and black spruce.

Today, jack pine dominates the western ½ of the compartment while aspen is somewhat more prevalent in the eastern ½.

Wildlife habitat objectives include protecting the Creighton River corridor, maintain travel corridors, promote age, structural, and species diversity within both the deciduous and coniferous systems.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group subgroups below the glacial drift. The PdC could be used for stone.

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:

M-28 borders the compartment along the north, and the Creighton Truck Trail is on the east. There are a few two-track roads into the compartment; access to the center of the compartment is through private property.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

There are no DNR recreational facilities within the compartment. Hunting is the main form of recreation use in this compartment.

Fire Protection:

Fire operations may be difficult due to the numerous drainages.

Additional Compartment Information:

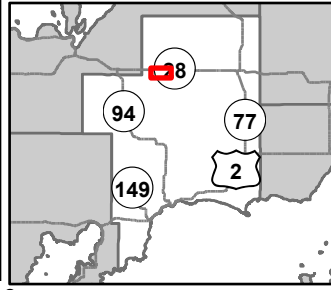
The following reports from the Inventory are attached:

- 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**

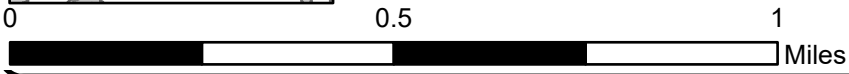
The following information is displayed, where pertinent, on the attached compartment maps:

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

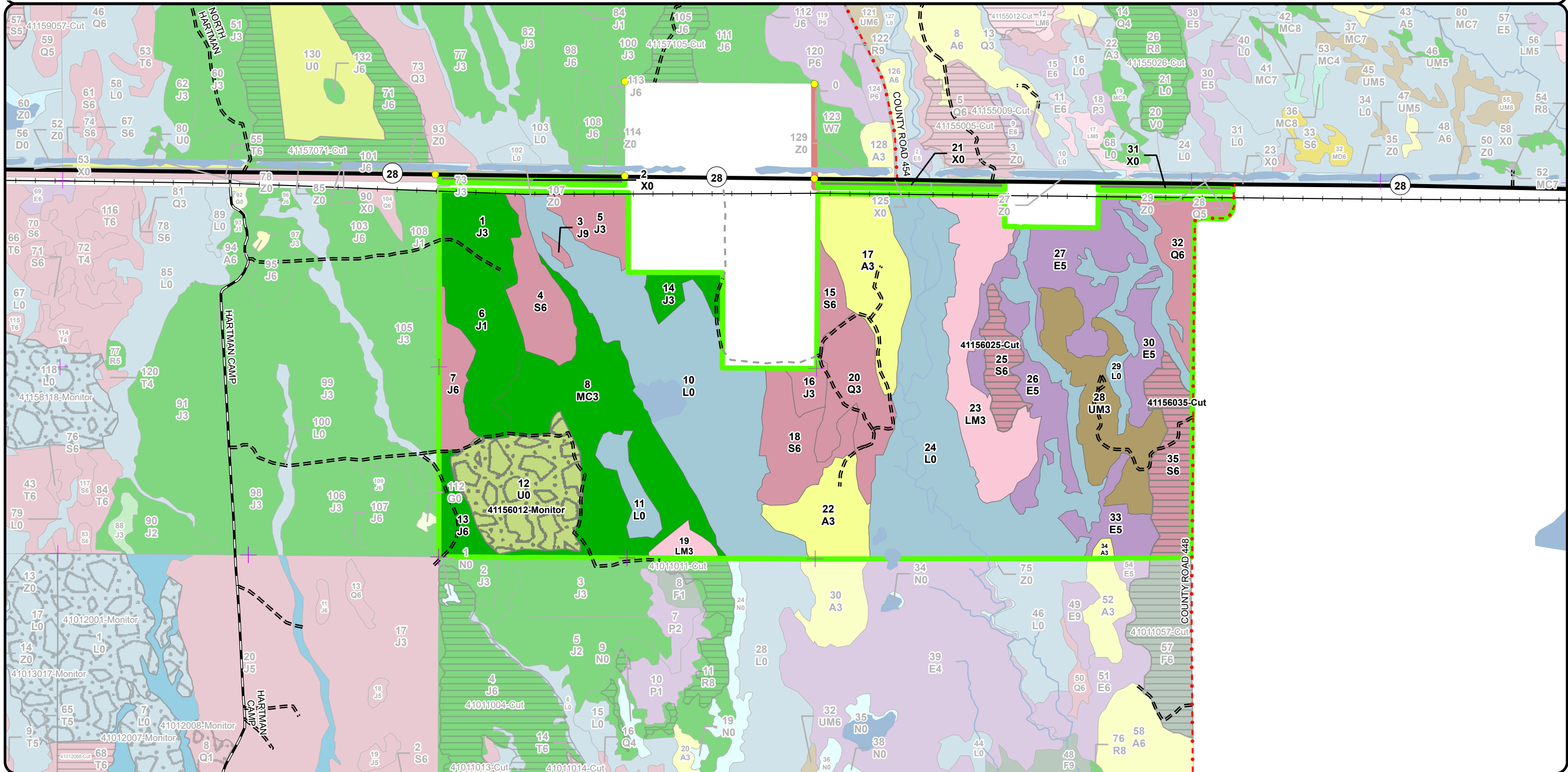
Cover Type & Treatments Map



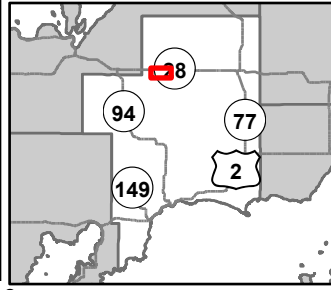
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 T46N, R16W, Sec: 34, 35
 County: Schoolcraft
 Unit: Shingleton
 Mgmt Area: Seney Lake Plain
 YOE: 2026
 Acres: 1129.7 GIS Calculated
 Examiner: Mario Molin
 Map Revised: 08/06/2024
 Map Phase: Web Post



- | | | | |
|---|------------------------------------|-----------------------------|-----------------------------------|
| ● Survey Grade Corners | - - - County - Gravel Road | ⊕ Powerline | ■ 611 - Lowland Deciduous Forest |
| ✚ Remonumented Section Corners | - - - Private - Dirt / Gravel Road | ▭ Compartment Boundary | ■ 612 - Lowland Coniferous Forest |
| ▬ DNR - Primary Forest Road | ▬ Active Railroads | ▭ Clearcut (w/Reserves) | ■ 613 - Lowland Mixed Forest |
| ▬ DNR - Forest Access Route | ▬ Intermittent Stream | ▭ Regeneration Survey | ■ 122 - Roads/Parking Lot |
| ▬ Federal / State Highway | ▬ Lake/Pond | ■ 413 - Aspen Types | ■ 320 - Upland Shrub |
| ▬ Federal / State / County - Paved Road | ▬ Perennial River | ■ 422 - Natural Pines | ■ 622 - Lowland Shrub |
| | ▬ Lakes and Rivers | ■ 430 - Upland Mixed Forest | |



Stand Boundary Map

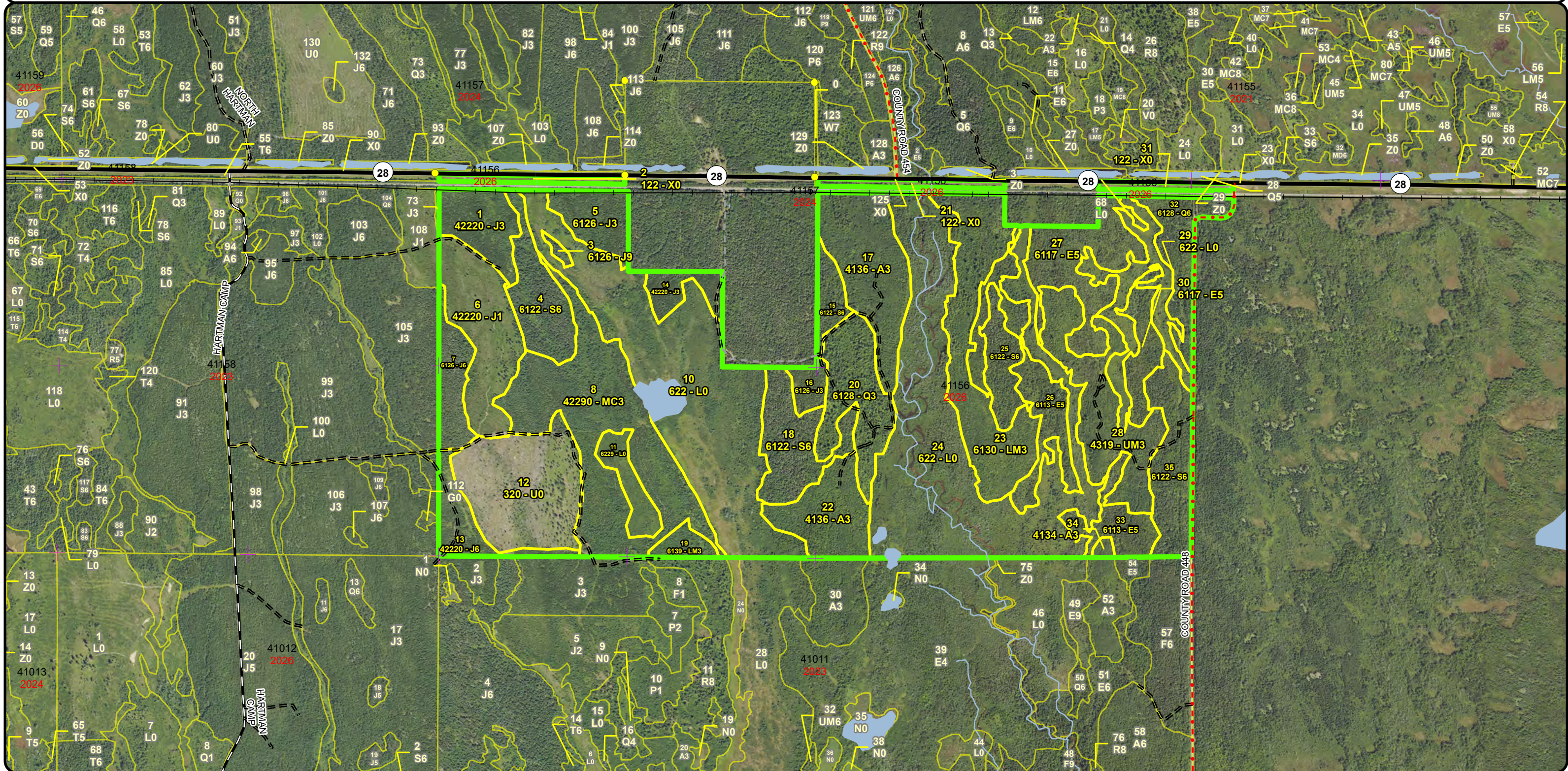


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Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	2	47	30	0	0	0	0	0	0	0	0	0	0	0	0	0	79
Jack Pine	0	0	45	75	18	0	0	0	0	0	0	0	0	0	0	0	0	2	139
Lowland Conifers	0	0	36	0	0	0	0	25	0	0	0	0	0	0	0	0	0	0	61
Lowland Deciduous	0	0	0	0	0	0	0	51	56	0	0	0	0	0	0	0	0	0	107
Lowland Mixed Forest	0	0	60	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Lowland Shrub	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	340
Lowland Spruce/Fir	0	0	0	0	0	0	0	27	41	48	0	0	0	0	0	0	0	0	116
Natural Mixed Pines	0	0	0	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
Upland Mixed Forest	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49
Upland Shrub	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Urban	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Total	416	0	143	276	48	0	0	103	97	48	0	0	0	0	0	0	0	2	1132



Report 2 – Treatment Summary

Shingleton Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 156
Total Compartment Acres: 1,130

Commercial Harvest - 48
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Spruce/Fir	48	0	0	0	0	0	0	0	0	48
Total	48	0	0	0	0	0	0	0	0	48

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	48	0	0	0	0	0	59	0	0	107
Next Step	0	0	59	59	0	0	48	0	0	166
Total	48	0	59	59	0	0	107	0	0	273



S t a n d	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:

12	41156012-Monitor	58.7	320 - Upland Shrub	Nonstocked	2023	Unspecified	Monitoring	Natural Regen (Intermediate)	42290 - Natural Mixed Pine	Even-Aged	No
<p><u>Prescription</u> Monitor.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Other - Specify; Planting, Other - Specify</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Red pine, jack pine, white pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2027</p>											
25	41156025-Cut	16.3	6122 - Black Spruce	Poletimber Well	80	1-50	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention.</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 mix of species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
35	41156035-Cut	32.1	6122 - Black Spruce	Poletimber Well	80	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention.</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 mix of species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

Total Treatment 107.1
Acreage Proposed:



Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions	
Acres	Available	With Condition	Not Available	2H	5E
79	79	0	0	Aspen	
139	137	0	2	Jack Pine	2
61	61	0	0	Lowland Conifers	
107	107	0	0	Lowland Deciduous	
67	67	0	0	Lowland Mixed Forest	
339	339	0	0	Lowland Shrub	0
116	116	0	0	Lowland Spruce/Fir	
98	98	0	0	Natural Mixed Pines	
49	49	0	0	Upland Mixed Forest	
59	57	0	2	Upland Shrub	2
17	17	0	0	Urban	
1,130	1,126		3	Total Forested Acres	2 2
	100%		0%	Relative Percent	

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
1	42220 - Natural Jack Pine	Sapling Well	22.2	24	Immature	N/A																																																			
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2	122 - Road/Parking Lot	Nonstocked	6.2		Immature		Highway right of way																																																		
3	6126 - Lowland Jack Pine	Sawtimber Well	1.7	71	51-80	N/A	Stand is a small island in a marsh and is factor limited as it is blocked by a physical obstacle.																																																		
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6	42220 - Natural Jack Pine	Sapling Poor	44.5	12	Immature	N/A	This stand was cut in the winter of 2011-2012 under Sale # 41-024-10-01, Blackjack. Area was scarified by Holli FP in the summer of 2012 under FTP c41-1455. Regeneration check is scheduled for the summer of 2015. Regen check 2016 = passed with flying colors																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
7	6126 - Lowland Jack Pine	Poletimber Well	17.5	37	1-50	N/A																																																																
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8	42290 - Natural Mixed Pine	Sapling Well	97.8	24	1-50	N/A																																																																
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10	622 - Lowland Shrub	Nonstocked	136.8				No																																																															
11	6229 - Mixed lowland shrub	Nonstocked	12.6	0	Unspecified		No																																																															
12	320 - Upland Shrub	Nonstocked	58.7	2023	Unspecified	4222 - Natural Jack Pine	TS: MHM:18-16 units 1-2. Scarified in both 2020 and summer 2021.																																																															
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13	42220 - Natural Jack Pine	Poletimber Well	17.0	27	1-50	N/A	This stand crosses over into C158 stand 106.																																																															
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14	42220 - Natural Jack Pine	Sapling Well	10.9	24	1-50	N/A	Scattered conifers, willow and tagalder																																																															
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15 6122 - Black Spruce Poletimber Well 9.6 75 51-80 N/A Spruce stand with some pine ridges mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub
Quaking Aspen	5	Pole	8		Black Spruce	Low	5 - 10 feet	Sapling
Red Maple	10	Pole	8					
White Pine	3	Log/XLog	14					
Red Pine	8	Log	12					
Paper Birch	7	Pole	8					
Black Spruce	62	Pole	8	75				

16 6126 - Lowland Jack Pine Sapling Well 7.0 24 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	10	Sapling	2		Red Maple	Low	< 5 feet	Sapling
Red Maple	5	Sapling	3	24	Tag Alder	Low	5 - 10 feet	Tall Shrub
Black Spruce	25	Sapling	2	24				
Balsam Fir	5	Sapling	2	24				
White Pine	5	Sapling	2	24				
Jack Pine	50	Sapling	3	24				

17 4136 - Aspen, Mixed Conifer Sapling Well 47.1 24 1-50 N/A Stand was Cut 1998 looks good.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	5	Sapling	4	24	Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	10	Sapling	4	24				
Red Pine	10	Log/Pole	10					
Red Maple	10	Sapling	4	24				
Black Cherry	3	Sapling	3					
Bigtooth Aspen	10	Sapling	4					
White Pine	2	Log/Pole	10					
Quaking Aspen	50	Sapling	4	24				

18 6122 - Black Spruce Poletimber Well 31.3 70 81-110 N/A Spruce stand with some pine ridges mixed in, north neck of stand against pvt is more jack pine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine	25	Pole	8		Red Maple	Low	5 - 10 feet	Sapling
Red Pine	5	Log/Pole/XLog	10		Black Spruce	Low	5 - 10 feet	Sapling
Black Spruce	50	Pole	8	70				
White Pine	5	Log/Pole/XLog	12					
Quaking Aspen	2	Pole	8					
Red Maple	10	Pole	8					
Paper Birch	3	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
19	6139 - Mixed Lowland Forest	Sapling Well	6.7	28	1-50	N/A																																																											
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20	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	36.2	13	1-50	N/A	Stand was cut in 2009 in sale #41-016-06-01 S Creighton 35. Residual BA is 13 Sq. Ft of white pine, 7 Sq. ft. of red pine. Regeneration thus far looks adequate with mainly Aspen, Maple and Spruce making up the stand going forward.																																																										
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21	122 - Road/Parking Lot	Nonstocked	6.4				Highway right of way																																																										
22	4136 - Aspen, Mixed Conifer	Sapling Well	30.1	30	1-50	N/A																																																											
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23	6130 - Fir, Aspen, Maple	Sapling Well	60.3	19	Immature	N/A	This stand was cut in March of 2004. The retention from this harvest was left along the rail road tracks to help with aesthetics from the highway.																																																										
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26	6113 - Lowland Maple	Poletimber Medium	34.1	69	51-80	N/A	Leave this stand for 20-30 years may never be harvestable due to access but that decision will be made closer to the harvest date.																																															
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27	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	39.8	73	1-50	N/A	This area is quite wet it may never be merchantable.																																															
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28	4319 - Mixed Upland Forest	Sapling Well	49.0	23	Immature	N/A	This sale was cut in the winter of 2004 regeneration is coming in well with a mix of aspen and fir being the dominant species. There are some areas of mature lowland hardwood present in the stand that are retention for the stand.																																															
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29	622 - Lowland Shrub	Nonstocked	28.8			No																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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30 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Medium 15.8 70 51-80 N/A Edges of this stand will be managed with the spruce to the east the rest of the stand has little volume and is wet.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	10	Pole	6		Red Maple	Medium	5 - 10 feet	Sapling
Tamarack	10	Pole	7		Tag Alder	High	5 - 10 feet	Tall Shrub
Paper Birch	20	Pole	6		Black Spruce	Low	5 - 10 feet	Sapling
Red Maple	35	Pole	6	70				
Black Spruce	25	Pole	7					

31 122 - Road/Parking Lot Nonstocked 4.5 Highway right of way

32 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 24.6 64 51-80 N/A This stand is a mix of aspen and spruce with a tag alder mixed in.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	15	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Quaking Aspen	5	Pole	8		Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	10	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	35	Pole	8	64	Black Spruce	Low	5 - 10 feet	Sapling
Red Maple	30	Pole	8					
Paper Birch	5	Pole	8					

33 6113 - Lowland Maple Poletimber Medium 16.9 67 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	75	Pole	6	67	Tag Alder	Full	10 - 20 feet	Tall Shrub
Paper Birch	5	Pole	6		Balsam Fir	Medium	5 - 10 feet	Sapling
Tamarack	5	Pole	6		Black Spruce	Medium	5 - 10 feet	Sapling
Quaking Aspen	5	Pole	6					
White Spruce	10	Pole	6					

34 4134 - Aspen, Spruce/Fir Sapling Well 1.6 19 Immature N/A This stand is part of stand 52 of compartment 11 to the south. It was cut in the summer of 2003 TSI was performed in 2003 as well. A regeneration check was performed with inventory regeneration is satisfactory and is mainly aspen.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	65	Sapling	3	19
Black Spruce	15	Sapling	2	
Balsam Fir	15	Sapling	3	
Tamarack	5	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35	6122 - Black Spruce	Poletimber Well	32.1	80	51-80	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	5	Pole	7		Black Spruce	High	5 - 10 feet	Sapling
Red Maple	15	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Quaking Aspen	10	Pole	8		Balsam Fir	High	5 - 10 feet	Sapling
Black Spruce	65	Pole/Sap/Log	7	80				
White Pine	5	Pole	8					