



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32090

Entry Year 2026

Acreage: 1,873

County Alger

Management Area: Menominee-Marquette

Stand Examiner: John Hamel

Legal Description:

T44N, R22W, Sections 19, 30, 31

Identified Planning Goals:

Improve the quality of the Northern Hardwoods stands through selective management while maintaining the conifer content and den trees for wildlife. Additional goals are to provide age-class distribution of Aspen by harvesting selected stands.

Soil and topography:

Terrain is mostly level to slightly rolling. Soils range from organic swamps and poorly drained loamy soils to well drained loams. Major soil series include Kalkaska, Munising, Keweenaw.

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

With the exception of only one 40 acre private holding, this compartment is comprised entirely of state land.

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:

Portions of the compartment are designated as Core Interior Habitat Area.

Watershed and Fisheries Considerations:

This compartment contains Deer Creek, the North Branch Deer Creek, and an unnamed stream. These waterbodies all serve as tributaries to Werners Creek. Deer Creek, the North Branch Deer Creek, and the unnamed tributary are all designated Type 1 trout streams less than 50-ft wide and have a predicted mean July temperature of 65.3 °F (cold streams). 300-foot buffers are recommended for these waterbodies in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes.

The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. No active sand/gravel pits are known to occur in the area. Bedrock limestone is at or near the surface within the compartment. While there may be potential for aggregate resources within the compartment, any surface mining may be inhibited by wetlands. In addition, the compartment might be too far from populated areas (commercial markets) for any aggregate resources present to have much economic value beyond use by the county road commission, logging companies, or DNR for road maintenance. Potential for metallic or critical minerals at depth is relatively unknown but is considered low at this time. Historically,

Cleveland Cliffs drilled some mineral test wells in the area, but nothing within one mile of the compartment. Aeromagnetic geophysical data does not show any significant anomalies that could be potential targets for exploration, and any potential significant mineral occurrences would be at such a depth that exploration and/or extraction may not be economical.

Vehicle Access:

Vehicle access to the compartment is poor due to the wet soils. Most management activities will be limited to the winter months.

Survey Needs:

No survey work is needed at this time.

Recreational Facilities and Opportunities:

Recreational activity for this area is primarily for ruffed grouse and whitetail deer hunting.

Fire Protection:

This compartment has a very low risk for wildfire.

Additional Compartment Information:

The following reports from the Inventory are attached:

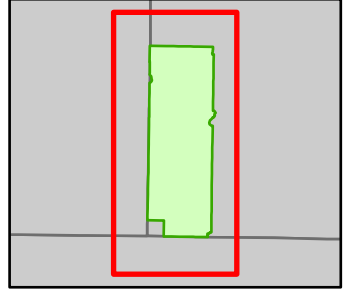
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

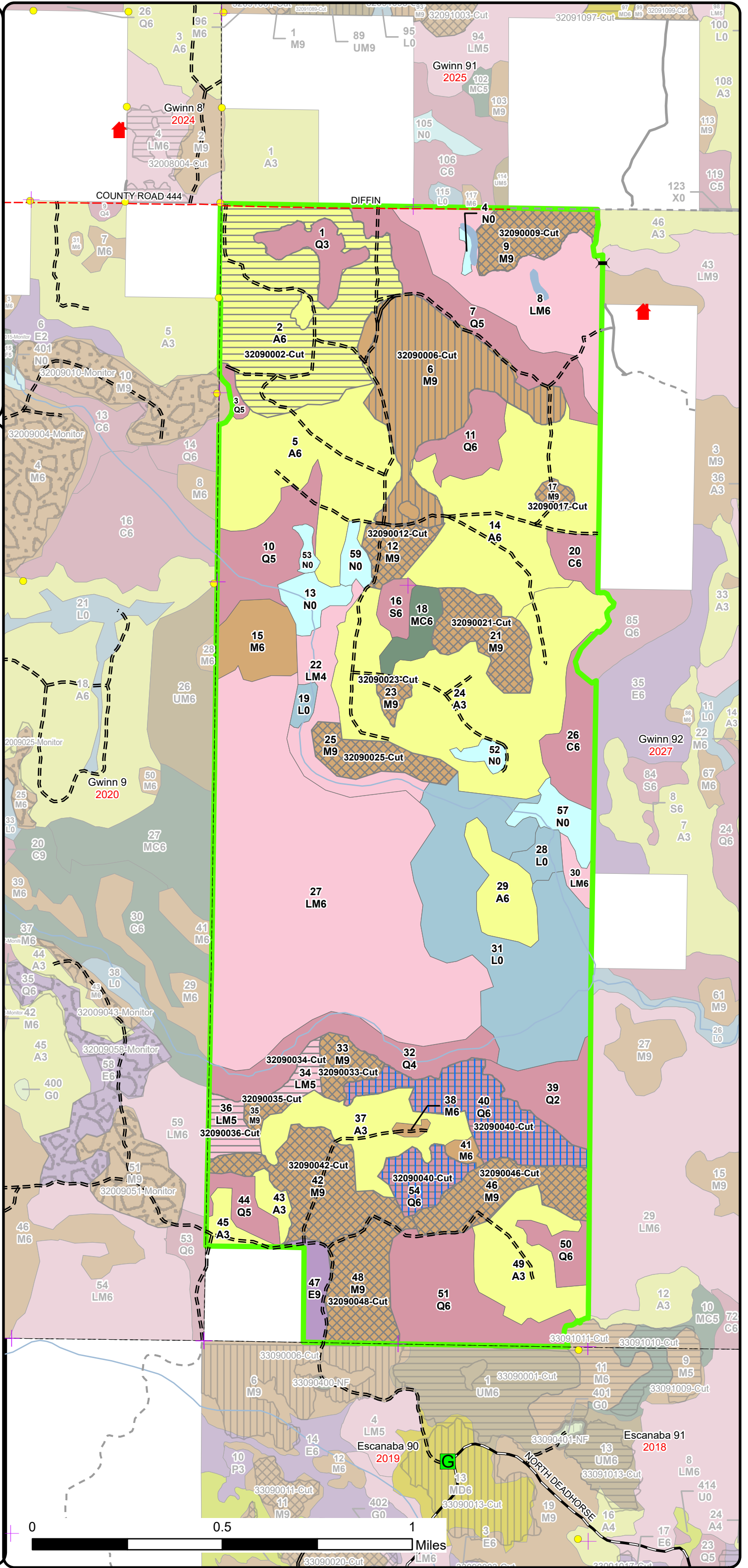
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 32090
 T44N, R22W, Sec: 19, 30, 31
 County: Alger
 Unit: Gwinn
 Mgmt Area: Menominee-Marquette
 YOE: 2026
 Acres: 1873.4 GIS Calculated
 Examiner: John Hamel
 Map Revised: 08/20/2024
 Map Phase: Web Post

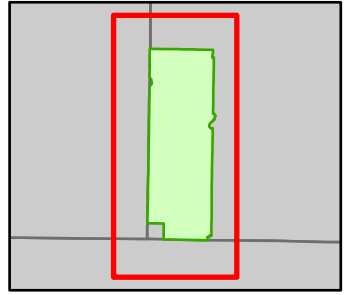


- Gate
- ✕ Bridges
- Cabin
- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
- = DNR - Secondary Forest Road
- - - DNR - Forest Access Route
- - - County - Dirt Road (Seasonal)
- Private - Paved Road
- - - Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 622 - Lowland Shrub
- 623 - Emergent Wetland

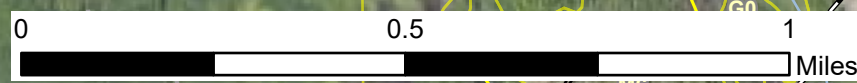
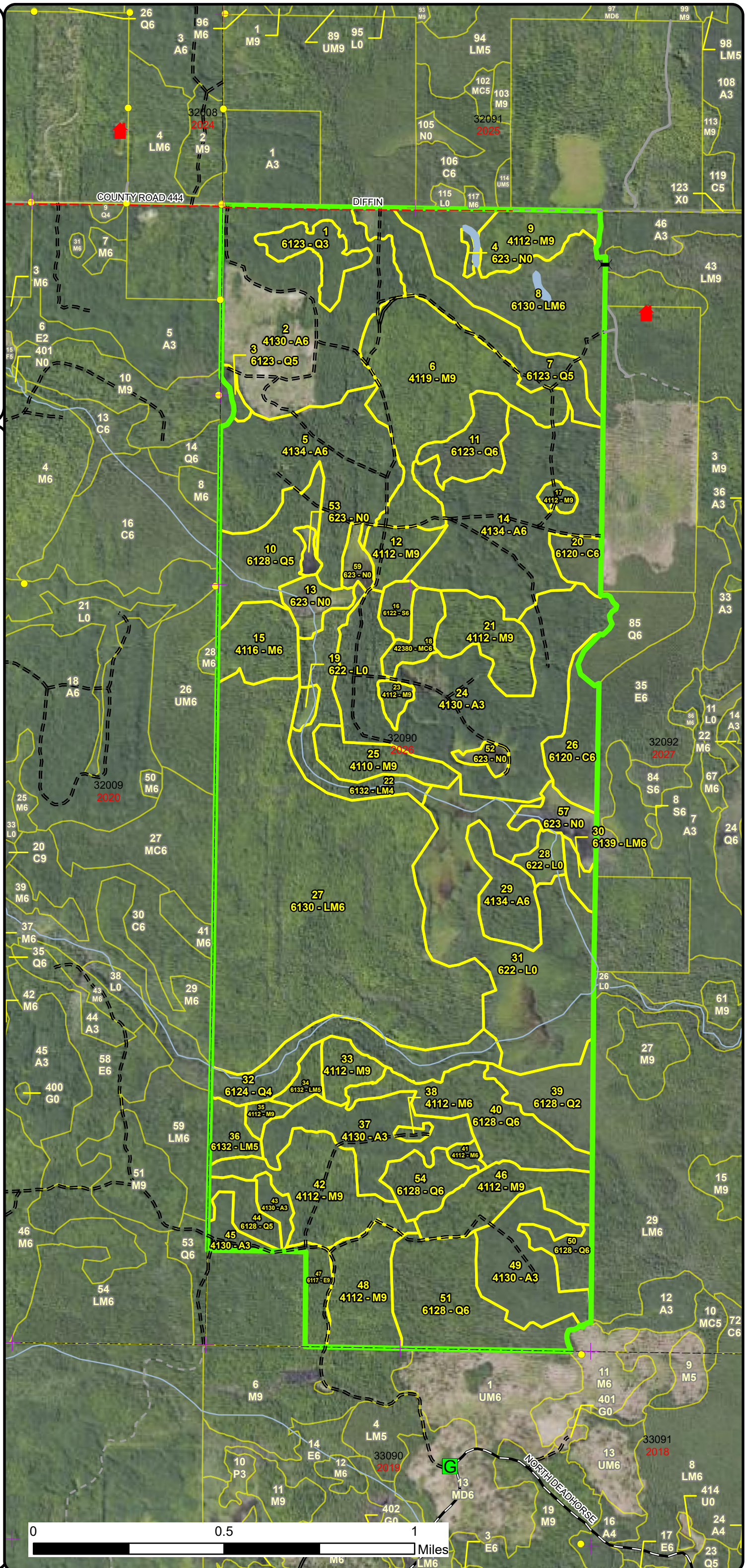


Stand Boundary Map

Compartment: 32090
 T44N, R22W, Sec: 19, 30, 31
 County: Alger
 Unit: Gwinn
 Mgmt Area: Menominee-Marquette
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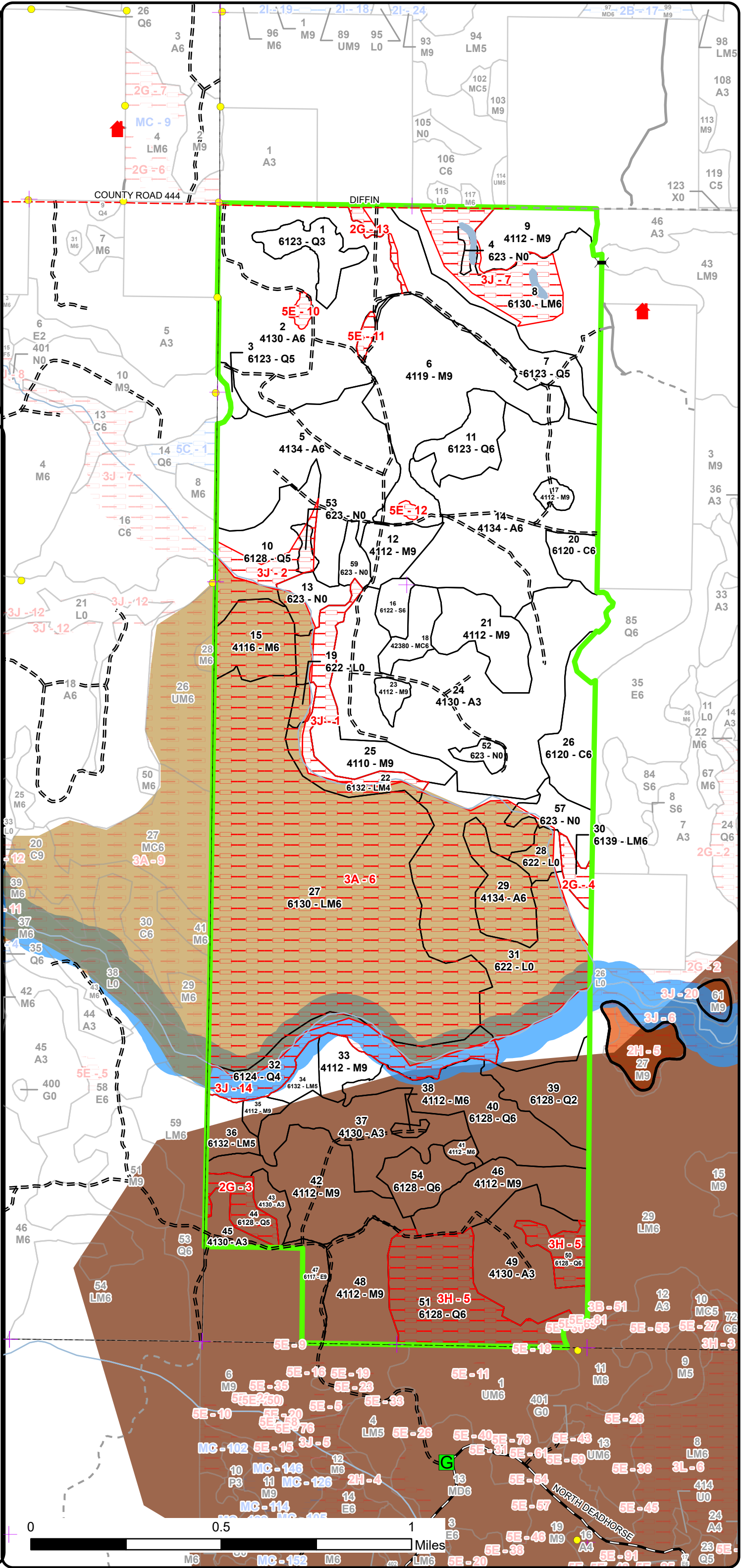
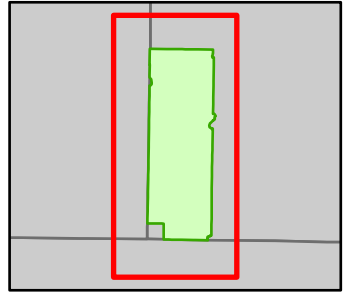


- Gate
 - ✕ Bridges
 - Cabin
 - Survey Grade Corners
 - + Remonumented Section Corners
 - DNR - Primary Forest Road
 - DNR - Secondary Forest Road
 - DNR - Forest Access Route
 - County - Dirt Road (Seasonal)
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 - Stand Boundaries
- 411 - Northern Hardwood
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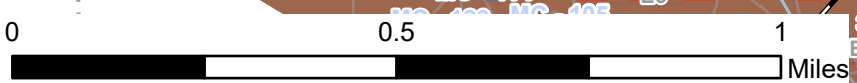


Special Conservation Areas & Site Conditions Map

Compartment: 32090
 T44N, R22W, Sec: 19, 30, 31
 County: Alger
 Unit: Gwinn
 Mgmt Area: Menominee-Marquette
 YOE: 2026
 Acres: 1873.4 GIS Calculated
 Examiner: John Hamel
 Map Revised: 08/20/2024
 Map Phase: Web Post



- Gate
- x Bridges
- Cabin
- Survey Grade Corners
- + Remonumented Section Corners
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- SCA
- Unavailable
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Forest Habitat Core Interior
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Other Habitat Area



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+	Unnever-Aged	Total
Aspen	0	0	42	57	127	192	117	0	0	0	23	0	0	0	0	0	0	0	558
Cedar	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	0	0	0	34
Lowland Conifers	0	0	0	0	0	62	20	98	61	0	66	12	0	0	0	0	0	0	319
Lowland Deciduous	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	11
Lowland Mixed Forest	0	0	0	0	0	0	0	396	0	0	11	13	0	0	0	0	0	0	419
Lowland Shrub	134	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
Lowland Spruce/Fir	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	7
Marsh	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Northern Hardwood	0	0	0	0	0	0	0	0	33	0	27	90	24	0	0	0	0	163	337
Upland Conifers	0	0	0	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	12
Total	175	0	42	57	127	254	149	512	94	34	127	115	24	0	0	0	0	163	1872



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Compartment 90

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 1,873

Commercial Harvest - 496
 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
Aspen	114	0	0	0	0	0	0	0	0	114
Lowland Conifers	0	0	0	61	0	0	0	0	0	61
Lowland Mixed Forest	18	0	0	0	0	0	0	0	0	18
Northern Hardwood	0	220	0	0	83	0	0	0	0	303
Total	132	220	0	61	83	0	0	0	0	496

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	496	0	0	0	0	0	0	0	0	496
Next Step	0	0	0	0	0	0	496	0	0	496
Total	496	0	0	0	0	0	496	0	0	992



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

Proposed Treatments:

12	32090012-Cut	14.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	105	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees, favor Yellow birch for, seed source, wildlife food, and future cavity trees.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Mix of northern hardwood types
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2030

21	32090021-Cut	27.5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Mix of Northern Hardwood types.
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2030

23	32090023-Cut	4.6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	110	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Favor yellow birch for seed source, wildlife food, and future cavity trees

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Mix of Northern Hardwood types
Regen:

Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2030



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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 32090025-Cut	19.7	4110 - Sugar Maple Association	Sawtimber Well	110	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Favor black cherry for soft mast, seed source, and wildlife.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of Northern Hardwood types</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 /2030</p>										
46 32090046-Cut	32.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of Northern Hardwood types</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 /2030</p>										
48 32090048-Cut	32.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	70	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration and maintain stand diversity. Leave obvious wildlife trees. Favor yellow birch for seed source, wildlife food, and future cavity trees.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of Northern Hardwood types</p> <p><u>Regen:</u></p> <p><u>Other</u> Deer Wintering Complex. consider a winter cutting specification.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2030</p>										

Approved Treatments:

2 32090002-Cut	113.9	4130 - Aspen	Poletimber Well	52	Unspecified	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut harvest. mark out 7, 1/2 acre retention patches.</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> aspen</p> <p><u>Regen:</u></p> <p><u>Other</u> treatment recommended by the TSM to help balance age classes</p> <p><u>Comment:</u></p>										



Stand Name	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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Site Condition

Proposed Start Date: 10/1 /2015

6	32090006-Cut	82.8	4119 - Mixed Northern Hardwoods	Sawtimber Well	100	111-140	Harvest	Shelterwood	411 - Northern Hardwood	Two-Aged	No
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Prescription Specs: Shelterwood harvest. Mark down to 50 BA reserving high quality crop trees. In areas of better quality selectively harvest. favor High Quality Maple.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: High Quality Northern Hardwood

Other Comment: Old next step comments: regeneration check per current work instructions

Site Condition

Proposed Start Date: 10/1 /2015

9	32090009-Cut	23.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, and smaller conifers.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: any northern hardwood

Other Comment: Old next step comments: Regeneration checks per current Work Instructions

Site Condition

Proposed Start Date: 10/1 /2015

17	32090017-Cut	3.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate, to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock and smaller conifers.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Any northern Hardwood

Other Comment: Old next step comments: Regeneration checks per current Work Instructions

Site Condition

Proposed Start Date: 10/1 /2015



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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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33	32090033-Cut	11.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, yellow birch and smaller conifers.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any Northern Hardwoods

Regen:

Other Old next step comments: Regeneration survey as per work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2015

34	32090034-Cut	7.0	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	105	Unspecified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
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Prescription Clearcut this stand leaving 2 tenth acre retention patches around clumped cedar if practicable. Reserve cedar

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any lowland

Regen:

Other Old next step comments: Regeneration survey as per work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2015

35	32090035-Cut	4.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	90	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, yellow birch, and smaller conifers.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any Northern Hardwoods

Regen:

Other Old next step comments: Regeneration survey as per work instructions.

Comment:

Site Condition

Proposed Start Date: 10/1 /2015



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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
36 32090036-Cut	10.9	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	90	Unspecified	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut this stand leaving 2 tenth acre retention patches around clumped cedar if practicable. Reserve cedar</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 lowland type</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Regeneration survey as per work instructions.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										
40 32090040-Cut	61.2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	70	Unspecified	Harvest	Seed Tree with Retention	612 - Lowland Coniferous Forest	Two-Aged	No
<p><u>Prescription</u> Seed tree with reserves harvest. leave approximately 10-15 seed trees per acre between spruce and fir. Leave all cedar and hemlock. All other trees are to be cut.</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 lowland conifer</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Regeneration survey as per work instructions.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										
42 32090042-Cut	45.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	141-170	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Selectively mark hardwoods, using marking guidelines, managing for best tree in place. Target basal area 70-90. Create canopy gaps where appropriate to establish regeneration, and maintain stand diversity. Leave obvious wildlife trees. Leave all cedar, hemlock, cherry, and smaller conifers.</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 Northern hardwood</p> <p><u>Regen:</u></p> <p><u>Other</u> Old next step comments: Regeneration survey as per work instructions.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2015</p>										

Total Treatment 496.2
Acreage Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit
John Hamel : Examiner

Compartment: 90
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions				
		With Condition	Not Available		2G	3A	3H	3J	5E
557	532	0	25	Aspen		23			2
34	34	0	0	Cedar					
320	183	0	138	Lowland Conifers	15	19	67	37	
11	11	0	0	Lowland Deciduous					
419	57	0	362	Lowland Mixed Forest	6	305		52	
134	31	0	104	Lowland Shrub		104			
7	7	0	0	Lowland Spruce/Fir					
41	31	0	10	Marsh	0	5		4	
337	308	0	29	Northern Hardwood		25		1	4
12	12	0	0	Upland Conifers					
1,873	1,207		667	Total Forested Acres	20	480	67	93	6
	64%		36%	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	3J: Water quality / BMPs (stream, river, or lake)	19	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
John Hamel : Examiner

Compartment: 90
Year of Entry: 2026

4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	67	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: General Wildlife concern due to the high amount of cedar in these stands. and its status as a Deer Wintering Complex							
6	Unavailable	3A: Conservation Values incompatible with harvest at this time	480	Unspecified	Unspecified	Unspecified	Unspecified
Comments: BSA: Werners Creek Core Interior Habitat area							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Water/drainages/creek within							
10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
John Hamel : Examiner

Compartment: 90
Year of Entry: 2026

12	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																			
1	6123 - Lowland Fir	Sapling Well	16.7	52	Unspecified	N/A																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>30</td> <td>Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>50</td> <td>Sapling</td> <td>5</td> <td>52</td> </tr> <tr> <td>Northern White Cedar</td> <td>20</td> <td>Sapling</td> <td>5</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Sapling	5		Balsam Fir	50	Sapling	5	52	Northern White Cedar	20	Sapling	5																
Canopy Species	% Cover	Size Class	DBH	Age																																						
Red Maple	30	Sapling	5																																							
Balsam Fir	50	Sapling	5	52																																						
Northern White Cedar	20	Sapling	5																																							
2	4130 - Aspen	Poletimber Well	117.3	52	Unspecified	N/A	Young Aspen stand just getting in to the pole size classes.																																			
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Quaking Aspen	90	Sapling/Pole	5	52																																						
Balsam Fir	10	Sapling/Pole	5																																							
3	6123 - Lowland Fir	Poletimber Medium	3.0	50	Unspecified	N/A	very wet portions are flooded by beaver																																			
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Red Maple	25	Sapling/Pole	4																																							
Balsam Fir	75	Sapling/Pole	4	50																																						
4	623 - Emergent Wetland	Nonstocked	1.7	0	Unspecified	No	Beaver Flooding																																			
5	4134 - Aspen, Spruce/Fir	Poletimber Well	88.3	41	Unspecified	N/A																																				
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Red Maple	20	Pole	8																																							
Balsam Fir	40	Pole	6	41																																						
6	4119 - Mixed Northern Hardwoods	Sawtimber Well	86.9	100	111-140	N/A	This stand has good advanced regeneration																																			
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Canopy Species	% Cover	Size Class	DBH	Age																																						
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Hemlock	5	Log	14																																							
Black Cherry	10	Pole	8																																							
Balsam Fir	10	Pole	6																																							
7	6123 - Lowland Fir	Poletimber Medium	42.3	41	Unspecified	N/A	Poor stocking harvested in 1983.																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>60</td> <td>Pole</td> <td>5</td> <td>41</td> <td>Balsam Fir</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>40</td> <td>Pole</td> <td>5</td> <td></td> <td>Alder</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	60	Pole	5	41	Balsam Fir	High	5 - 10 feet	Sapling	Black Spruce	40	Pole	5		Alder	Medium	5 - 10 feet	Tall Shrub								
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																		
Balsam Fir	60	Pole	5	41	Balsam Fir	High	5 - 10 feet	Sapling																																		
Black Spruce	40	Pole	5		Alder	Medium	5 - 10 feet	Tall Shrub																																		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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8	6130 - Fir, Aspen, Maple	Poletimber Well	71.7	60	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Pole/Log	6	
Black Spruce	15	Pole	6	
Hemlock	5	Log	10	
Sugar Maple	10	Pole	6	
Northern White Cedar	15	Pole/Sap/Log	10	95
Red Maple	30	Pole	6	60
Yellow Birch	5	Pole	6	

9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.5	90	111-140	N/A	Good regeneration in spots, trace hemlock and yellow birch
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Log/Pole	10	
Sugar Maple	60	Log/Pole	14	90
Northern White Cedar	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	< 5 feet	Sapling

10	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	35.4	60	Unspecified	N/A	Wet slow growing area
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	2	
Balsam Fir	30	Sapling/Pole	4	60
Black Ash	10	Sapling/Pole	4	
Northern White Cedar	20	Pole	6	105
Quaking Aspen	15	Sapling/Pole	4	
Black Spruce	10	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Alder	Medium	5 - 10 feet	Tall Shrub

11	6123 - Lowland Fir	Poletimber Well	20.3	40	Unspecified	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Sapling	5	
Balsam Fir	75	Pole/Sapling	5	40
Quaking Aspen	5	Pole/Sapling	5	
Red Maple	10	Pole/Sapling	5	

12	4112 - Maple, Beech, Cherry Association	Sawtimber Well	14.1	105	111-140	N/A	This stand was harvested in 2012. it has good, advanced regeneration.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Log/Pole	14	105
Red Maple	30	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling

13	623 - Emergent Wetland	Nonstocked	11.4		Unspecified	No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																									
14	4134 - Aspen, Spruce/Fir	Poletimber Well	103.2	41	Unspecified	N/A																										
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Canopy Species	% Cover	Size Class	DBH	Age																												
Quaking Aspen	70	Pole/Sapling	5	41																												
Balsam Fir	30	Pole	6																													
Sub-Canopy Species	Density	Avg. Height	Size																													
Balsam Fir	Medium	5 - 10 feet	Sapling																													
15	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	24.6	102	81-110	N/A	Stand is very wet, converting to Red Maple																									
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Red Maple	60	Pole	8	102																												
Quaking Aspen	40	Pole	8																													
16	6122 - Black Spruce	Poletimber Well	7.4	60	Unspecified	N/A																										
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Black Spruce	100	Pole	6	60																												
17	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.8	100	111-140	N/A	fair quality red and suger maple																									
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Balsam Fir	5	Pole/Log	10																													
Sugar Maple	35	Log	12																													
Red Maple	50	Log	12	100																												
Black Cherry	10	Log	12																													
18	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	11.7	50	51-80	N/A	Poor quality Hardwood and softwood conifer																									
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Balsam Fir	40	Pole	8	50																												
Red Maple	30	Pole	8																													
Hemlock	20	Pole/Log	12																													
19	622 - Lowland Shrub	Nonstocked	3.7		Unspecified	No																										
20	6120 - Lowland Cedar	Poletimber Well	10.1	87	Unspecified	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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21	4112 - Maple, Beech, Cherry Association	Sawtimber Well	27.5	100	111-140	N/A	Harvested in 2012															
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Canopy Species	% Cover	Size Class	DBH	Age																		
Red Maple	50	Log/XLog	14	100																		
Sugar Maple	50	Log/XLog	14																			

22	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	31.0	60	Unspecified	N/A	very wet ground																																													
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23	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.6	110	81-110	N/A	Harvested in 2012																				
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Canopy Species	% Cover	Size Class	DBH	Age																							
Red Maple	30	Log	14																								
Yellow Birch	10	XLog	18																								
Sugar Maple	60	Log/XLog	16	110																							

24	4130 - Aspen	Sapling Well	127.0	35	Unspecified	N/A											
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Canopy Species	% Cover	Size Class	DBH	Age													
Quaking Aspen	100	Sapling/Pole	3	35													

25	4110 - Sugar Maple Association	Sawtimber Well	19.7	110	111-140	N/A	harvested in 2012 , lightly thinned.																				
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Canopy Species	% Cover	Size Class	DBH	Age																							
Sugar Maple	85	Log/XLog	14	110																							
Red Maple	5	Log	17																								
Black Cherry	10	Log/XLog	12																								

26	6120 - Lowland Cedar	Poletimber Well	23.8	87	Unspecified	N/A																										
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Canopy Species	% Cover	Size Class	DBH	Age																												
Northern White Cedar	90	Pole/Log	10	87																												
Black Ash	2	Pole	6																													
Yellow Birch	3	Pole	6																													
Black Spruce	5	Pole	6																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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27 6130 - Fir, Aspen, Maple Poletimber Well 292.8 60 Unspecified N/A mostly wet ground with higher spots of better hardwoods. Part of DHA. poor accessibility.

Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	20	Pole/Sapling	6	
Black Spruce	10	Pole	8	
Balsam Fir	30	Pole	6	60
Red Maple	20	Pole	6	90
Hemlock	5	Pole/Log	12	
Sugar Maple	15	Pole	8	

28 622 - Lowland Shrub Nonstocked 7.8 Unspecified No Old beaver Flooding

29 4134 - Aspen, Spruce/Fir Poletimber Well 22.8 95 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	20	Pole	8	
Quaking Aspen	60	Pole	8	95
White Spruce	10	Pole	8	
Red Maple	10	Pole	8	

30 6139 - Mixed Lowland Forest Poletimber Well 5.8 100 Unspecified N/A

31 622 - Lowland Shrub Nonstocked 122.8 Unspecified No

32 6124 - Lowland Spruce-Fir Poletimber Poor 38.1 60 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	20	Pole	6		Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	20	Pole	6					
Black Ash	10	Pole	6					
Red Maple	20	Pole	6					
Balsam Fir	30	Sapling/Pole	4	60				

33 4112 - Maple, Beech, Cherry Association Sawtimber Well 11.9 90 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	10	Log	16		Sugar Maple	Medium	10 - 20 feet	Pole
Sugar Maple	40	Pole/Log/Sap	10		Red Maple	Medium	10 - 20 feet	Pole
Red Maple	50	Pole/Sapling	8	90				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	7.0	105	Unspecified	N/A	Over mature stand with with lots of dead and down trees
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole/Log	10		Balsam Fir	
Yellow Birch		20	Log	14		Medium	
Quaking Aspen		10	Pole/Log	10		5 - 10 feet	
Balsam Fir		30	Pole/Log	10	105	Sapling	
Northern White Cedar		20	Pole/Log	10			
35	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.3	90	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Yellow Birch		10	Log	16		Sugar Maple	
Sugar Maple		40	Pole/Log/Sap	10		Medium	
Red Maple		50	Pole/Sapling	8	90	Red Maple	
						Medium	
						>20 feet	
						Pole	
36	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	10.7	90	Unspecified	N/A	Over mature stand with with lots of dead and down trees
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		20	Pole/Log	10		Balsam Fir	
Northern White Cedar		20	Pole/Log	10		Medium	
Balsam Fir		30	Pole/Log	10	90	5 - 10 feet	
Quaking Aspen		10	Pole/Log	10		Sapling	
Yellow Birch		20	Log	14			
37	4130 - Aspen	Sapling Well	42.9	25	Unspecified	N/A	Young aspen portions a cut in 1997 and 2009, good regeneration.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	4	25		
Quaking Aspen		90	Sapling	4	25		
38	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.9	100	81-110	N/A	small red maple stand
Canopy Species		% Cover	Size Class	DBH	Age		
Hemlock		10	Pole/Log	10			
Red Maple		80	Pole/Log	8	100		
Yellow Birch		10	Log	12			
39	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	25.4	60	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		15	Pole/Sapling	6			
Northern White Cedar		40	Sapling	2	60		
Black Ash		15	Sapling/Pole	4			
Balsam Fir		30	Sapling	2			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 44.2 70 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Log	8	
Hemlock	10	Pole/Log	8	
Balsam Fir	35	Pole/Log	8	70
Northern White Cedar	25	Pole/Log	6	
Red Maple	20	Sapling/Pole	6	

41 4112 - Maple, Beech, Cherry Association Poletimber Well 3.2 95 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	40	Pole/Log	10	95	Red Maple	Medium	5 - 10 feet	Sapling
Yellow Birch	10	Log	12		Balsam Fir	Low	< 5 feet	Sapling
Balsam Fir	10	Pole	6					
Red Maple	40	Pole/Log	10					

42 4112 - Maple, Beech, Cherry Association Sawtimber Well 45.6 100 141-170 N/A good quality stand

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	5	Log	14		Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	30	Pole/Log	12					
Sugar Maple	60	Pole/Log	12	100				
Yellow Birch	5	Log	12					

43 4130 - Aspen Sapling Well 6.2 27 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	100	Sapling	2	27

44 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 11.1 90 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	30	Pole/Log	10	90	Alder	Medium	10 - 20 feet	Tall Shrub
Quaking Aspen	10	Log	12					
Red Maple	30	Pole	6					
Balsam Fir	30	Pole	6					

45 4130 - Aspen Sapling Well 8.1 27 Unspecified N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	100	Sapling	2	27



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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46	4112 - Maple, Beech, Cherry Association	Sawtimber Well	32.4	100	111-140	N/A	Harvested in 2009. Good quality hardwood
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		70	Log/Pole/XLog	12	100	Sugar Maple	
Red Maple		20	Pole/Log	8		Density	
Hemlock		10	Log	12		Avg. Height	
						Size	

47	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	11.3	60	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Yellow Birch		10	Log	16		Red Maple	
Balsam Fir		20	Pole	8		Medium	
Hemlock		10	Log	10		Avg. Height	
Northern White Cedar		10	Pole	8		Size	
Red Maple		40	Log	10	60	5 - 10 feet	
Sugar Maple		10	Pole	8		Sapling	

48	4112 - Maple, Beech, Cherry Association	Sawtimber Well	33.0	70	111-140	N/A	red maple on low ground
Canopy Species		% Cover	Size Class	DBH	Age		
Yellow Birch		10	Log/Pole	10			
Balsam Fir		10	Log/Pole	10			
Red Maple		80	Log/Pole	10	70		

49	4130 - Aspen	Sapling Well	41.8	15	Unspecified	N/A	cut in 2009 good regeneration
Canopy Species		% Cover	Size Class	DBH	Age		
Quaking Aspen		100	Sapling	3	15		

50	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	11.9	100	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		40	Pole/Log	8	100		
Black Spruce		40	Pole	6			
Red Maple		20	Pole	6			

51	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	55.1	90	Unspecified	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		40	Pole	6	90		
Black Spruce		20	Pole	6			
Red Maple		15	Sapling/Pole	6			
Balsam Fir		10	Sapling	2			
Yellow Birch		15	Pole/Log	10			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	623 - Emergent Wetland	Nonstocked	4.6	0	Unspecified	No	Beaver Pond
53	623 - Emergent Wetland	Nonstocked	3.2	0	Unspecified	No	Beaver Flooding
54	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.9	70	Unspecified	N/A	
57	623 - Emergent Wetland	Nonstocked	13.6		Unspecified	No	Beaver flooding
59	623 - Emergent Wetland	Nonstocked	6.3		Unspecified	No	Beaver flooding