



Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71057

Entry Year: 2026

Acreage: 2,509

County: Roscommon

Management Area: High Sand Plains

Stand Examiner: Jason Lewicki

Legal Description:

T23N, R01W Sections 31-34

Identified Planning Goals:

Vegetation management in the AuSable Outwash management area (MA) (Figure 4.25.1) will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character including several state wildlife area floodings, the Roscommon Forest Fire Experiment Station, threatened, endangered and special concern species; and provide for forest-based recreational uses. Timber management for this 10-year planning period will focus on improving the age-class structure of aspen, harvesting older jack pine and regeneration of red pine and oak to help balance age-classes. Wildlife habitat management objectives include perpetuating early-successional communities for species adapted to young forests for hunting and other wildlife-related recreation opportunity and management of the state wildlife management areas. Expected trends within this 10-year planning period are an increase in non-native exotic plants, especially Phragmites in the wetland areas and increased recreational pressure.

Soil and topography:

The uplands are dominated by Rubicon and Saugatuck sands. The lowlands are made up of primarily Rifle and Greenwood Peats. The topography is generally flat to very gently rolling.

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

The entire compartment and much of the surrounding area is under state ownership.

Unique Natural Features:

None known

Archeological, Historical, and Cultural Features:

None known.

Special Management Designations or Considerations:

None known

Watershed and Fisheries Considerations:

None

Wildlife Habitat Considerations:

Mineral Resource and Development Concerns and/or Restrictions

Sections 31-34, T23N-R1W, Roscommon County

No known potential exists for metallic minerals in this part of the state. The State-owned St. Helen/Carter Pit is the closest known active sand/gravel operation at just over two miles northwest; the pit is leased and operated by Rieth-Riley. Rieth-Riley operates an asphalt plant another 2.5 miles northwest at the Ninemile Pit. There is very good potential for development of sand & gravel within the compartment on the uplands, and there is demand for aggregate resources in the area. The nearest significant oil & gas production, past or present, is several miles away. The West Branch Field, which has produced, primarily oil, from Devonian carbonates, is more than five miles southeast. While there may be some potential for that field to expand along structure to the northwest, potential for future production from Devonian carbonate reservoirs beneath the compartment is considered low at this time. No known significant potential exists for hydrocarbons from other known producing formations beneath the compartment, and oil & gas potential is considered low at this time. There has been some leasing of State-owned oil & gas rights within the compartment within the last three years, but there are no currently active leases, and there is limited history of well permitting activity in and around the compartment. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Vehicle access throughout the compartment is very good due to Artesia Beach Road and multiple Forest Access roads that traverse the compartment.

Survey Needs:

none

Recreational Facilities and Opportunities:

Due to its proximity to the town of St. Helen this area gets heavy use from ORV's. The area is also used heavily for hunting.

Fire Protection:

Moderate fire danger with low lying wet areas in the southwest of the compartment. there are forest roads throughout this compartment making it easy access for fire equipment.

Additional Compartment Information:

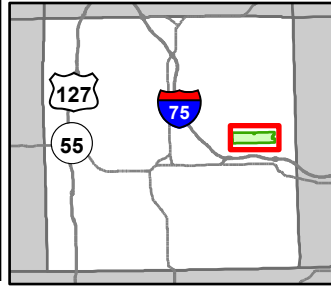
The following reports from the Inventory are attached:

- 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:

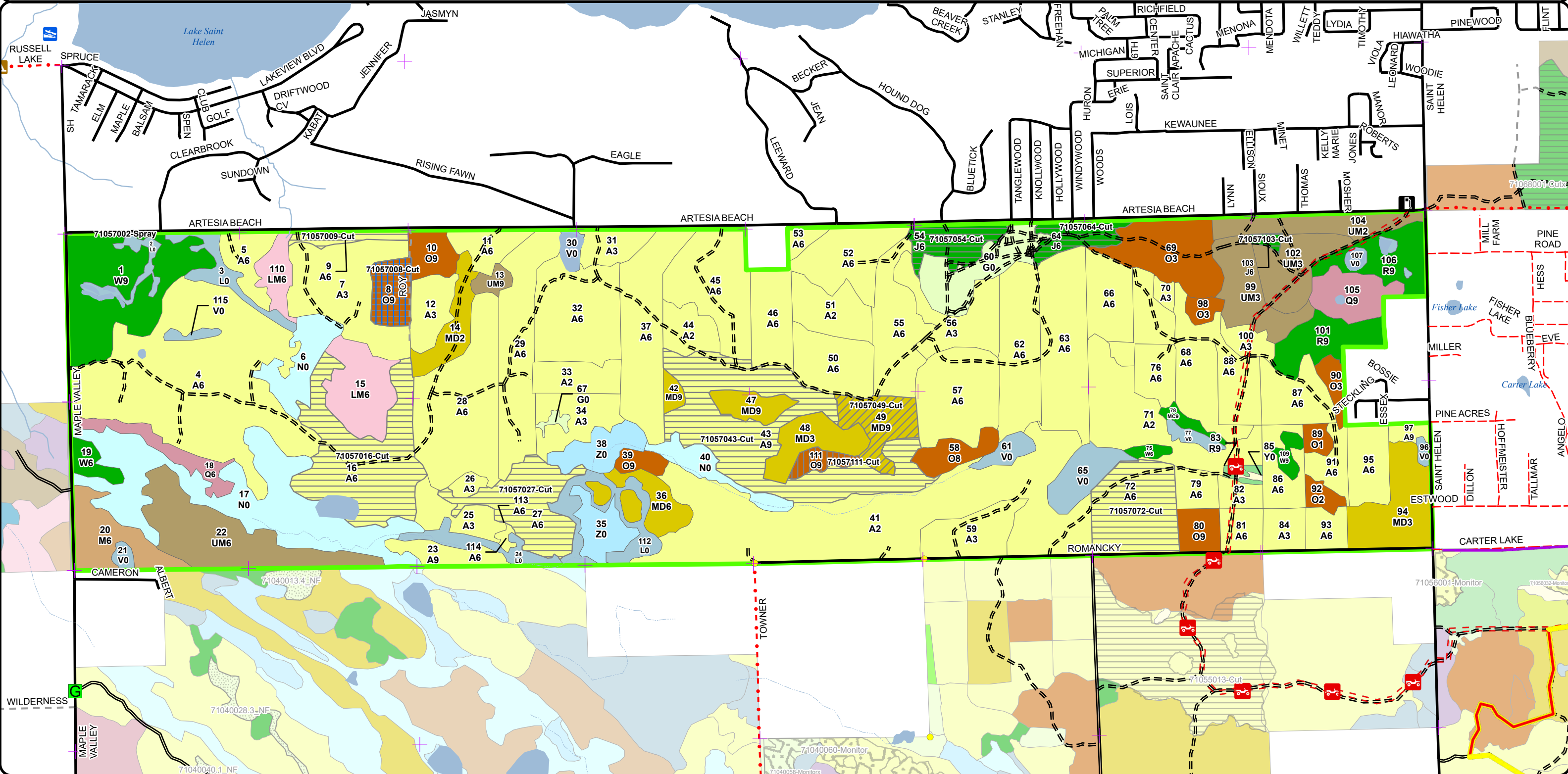
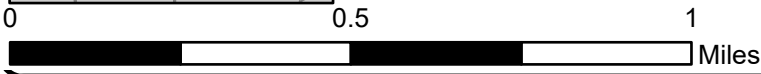
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

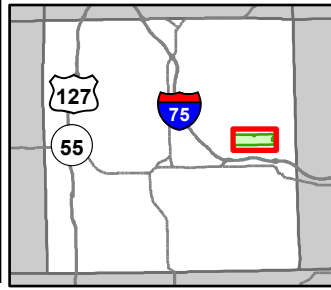


Compartment: 71057
 T23N, R1W, Sec: 31-34
 County: Roscommon
 Unit: Roscommon
 Mgmt Area: High Sand Plains
 YOE: 2026
 Acres: 2508.6 GIS Calculated
 Examiner: Jason Lewicki
 Map Revised: 10/3/2024
 Map Phase: Post Review

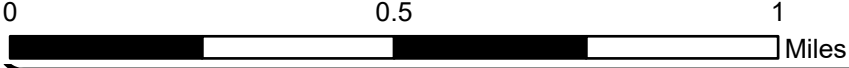
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|------------------------------|---------------------------------------|------------------------|-----------------------------------|---------------------------------|
| Gas Station | Designated Snowmobile Trails | Intermittent Stream | Thinning (Crown, Low, Systematic) | 430 - Upland Mixed Forest |
| Gate | Designated MCCCT Trails | Lake/Pond | Shelter Wood (w/Reserves) | 612 - Lowland Coniferous Forest |
| Boating Access Site | DNR - Secondary Forest Road | Perennial River | 411 - Northern Hardwood | 613 - Lowland Mixed Forest |
| Campground | DNR - Forest Access Route | Lakes and Rivers | 412 - Oak Types | 310 - Herbaceous Openland |
| Survey Grade Corners | Federal / State / County - Paved Road | Compartment Boundary | 413 - Aspen Types | 500 - Water |
| Remonumented Section Corners | County - Gravel Road | Pesticide | 419 - Mixed Upland Deciduous | 622 - Lowland Shrub |
| ORV Routes | County - Dirt Road (Seasonal) | Clearcut (w/Reserves) | 421 - Planted Pines | 623 - Emergent Wetland |
| Designated ORV Routes | Private - Dirt / Gravel Road | Seed Tree (w/Reserves) | 422 - Natural Pines | 710 - Sand/Soil |



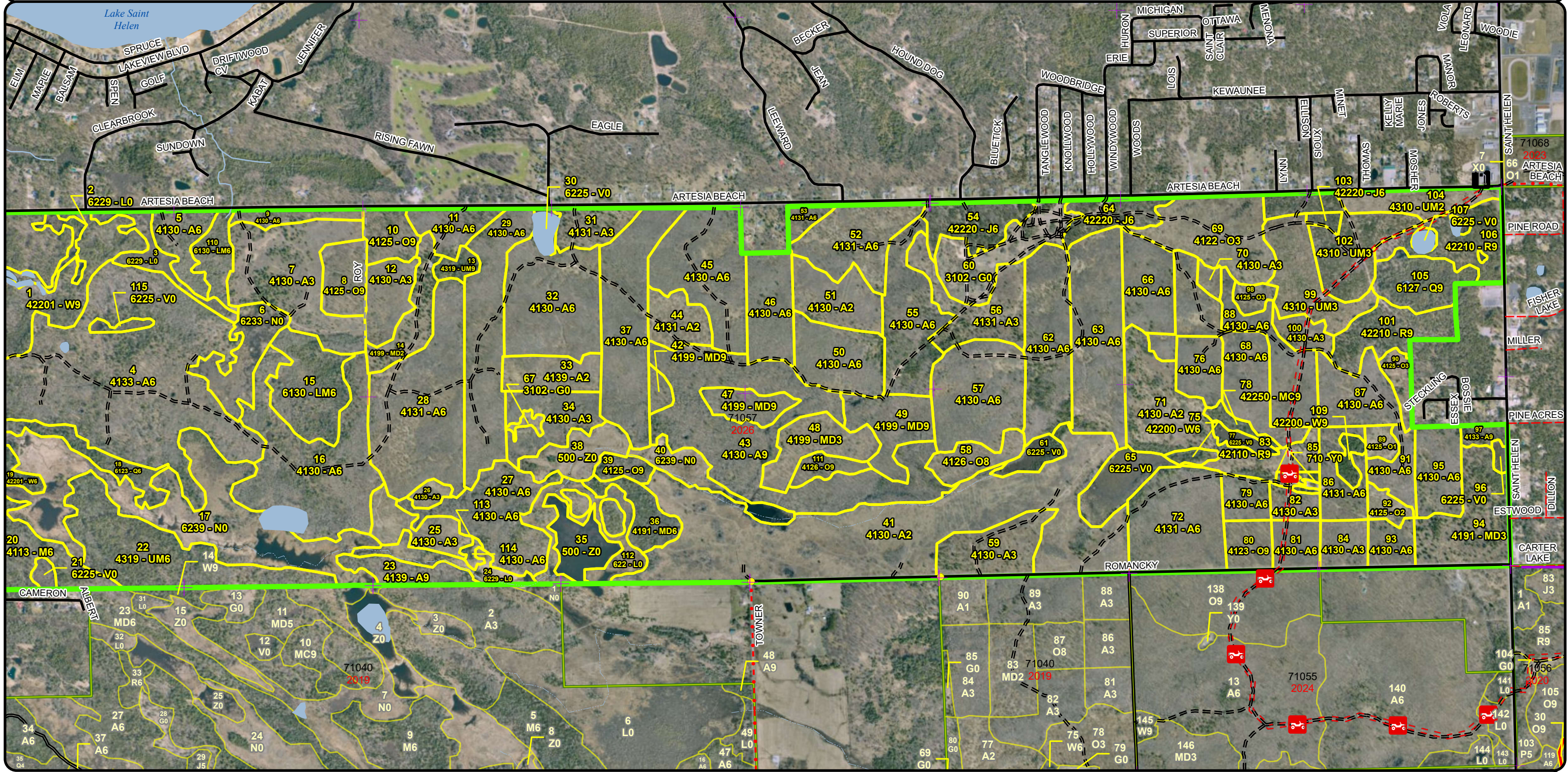
Stand Boundary Map



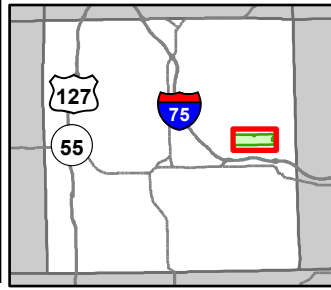
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- Gas Station
- Survey Grade Corners
- Remonumented Section Corners
- ORV Routes
- Designated ORV Routes
- Designated Snowmobile Trails
- Designated MCCCT Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest



Special Conservation Areas & Site Conditions Map

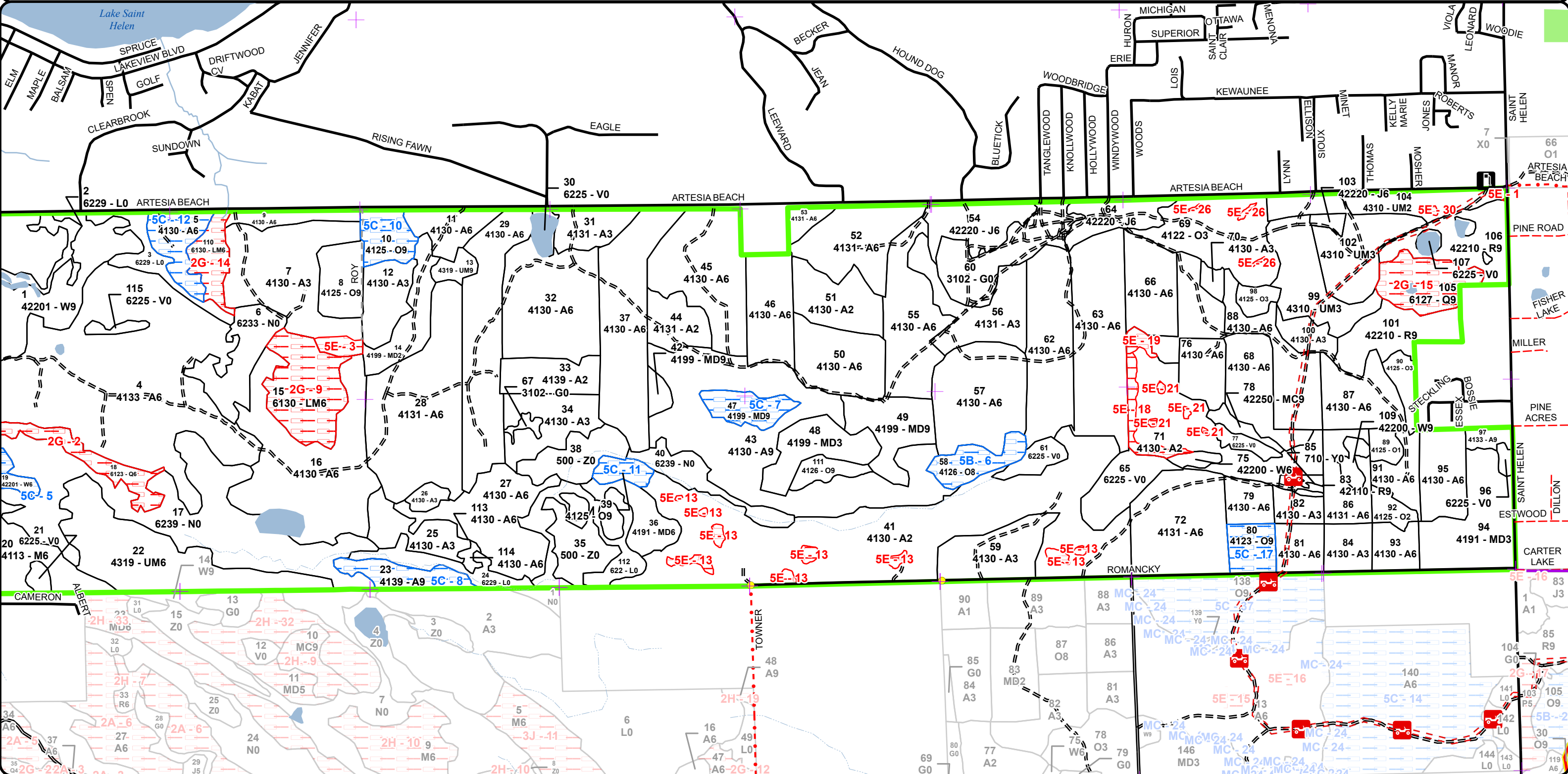
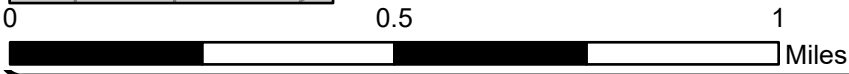


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- Gas Station
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- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers

- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Kirtland Warbler Habitat



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	103	316	316	276	294	177	93	16	0	0	0	0	0	0	0	0	0	1590
Bog	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	42
Herbaceous Openland	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Jack Pine	0	0	0	0	0	0	14	18	0	2	0	0	0	0	0	0	0	0	34
Lowland Conifers	0	0	0	0	0	0	0	14	20	0	0	0	0	0	0	0	0	0	34
Lowland Mixed Forest	0	0	0	0	0	0	11	0	0	30	0	0	0	0	0	0	0	0	41
Lowland Shrub	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Marsh	127	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	126
Mixed Upland Deciduous	0	17	55	0	0	0	0	18	0	0	0	15	21	0	0	0	0	0	126
Natural Mixed Pines	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Northern Hardwood	0	0	0	0	0	0	0	0	26	0	0	0	0	0	0	0	0	0	26
Oak	0	36	7	10	5	0	0	0	0	0	0	17	44	0	0	0	0	0	118
Red Pine	0	0	0	0	0	0	3	0	45	0	0	0	0	0	0	0	0	0	47
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	16	27	32	0	0	0	0	53	5	0	0	0	0	0	0	0	0	133
Water	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
White Pine	0	0	0	0	0	0	5	10	0	62	0	0	0	0	0	0	0	0	77
Total	283	172	405	358	281	294	210	139	154	119	0	32	69	0	0	0	0	0	2509



Report 2 – Treatment Summary

Roscommon Mgt. Unit
Year of Entry: 2026

Acres of Harvest

Compartment 57
Total Compartment Acres: 2,509

Commercial Harvest - 324
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	Overshoot Removal	Salvage	Other	Total Acres
Aspen	249	0	0	0	0	0	0	0	0	249
Jack Pine	34	0	0	0	0	0	0	0	0	34
Mixed Upland Deciduous	0	0	0	0	21	0	0	0	0	21
Oak	0	0	0	14	7	0	0	0	0	21
Total	283	0	0	14	7	21	0	0	0	325

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	325	0	0	0	0	0	0	0	0	325
Next Step	0	0	0	0	0	0	304	0	0	304
Total	325	0	0	0	0	0	304	0	0	628



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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Approved Treatments:

2	71057002-Spray	0.1	6229 - Mixed lowland shrub	Nonstocked		Unspecified	Pesticide	Hand Application	6229 - Mixed lowland shrub		No
<p><u>Prescription</u> spray for phragmites <u>Specs:</u> <u>Next Step</u> Monitoring, Invasive Species <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
8	71057008-Cut	14.4	4125 - Black, N. Pin Oak	Sawtimber Well	112	51-80	Harvest	Seed Tree	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Cut all black and red oak. Possibly mark 1-3 red/black oak per acre to leave as mast production. Focus leaving healthy, large crowned ones <u>Specs:</u> for best mast production. Protect and leave all white oak and white pine. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Oak and mixed hardwoods at fully stocked levels. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											
9	71057009-Cut	7.6	4130 - Aspen	Poletimber Well	50	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand with a 2"spec. Leave all white oak and white pine. Apply <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen and mixed hardwoods at fully stocked levels. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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16	71057016-Cut	70.0	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2"spec. Leave all white pine and balsam for structure, cover and future seed source. Leave retention on marsh edge to the south and any inoperable areas. Retention levels will probably be on the higher side. Harvest during dry summer or cold winter due to high water table. Apply drumming log spec to increase grouse habitat. Place brush piles along stand 15. Acreage may be significantly less than originally prescribed due to wet conditions.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and mixed hardwoods at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

27	71057027-Cut	36.3	4130 - Aspen	Poletimber Well	51	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2" spec. Cut stand in dry summer or cold frozen conditions. Leave the pine component and any white oak. Leave retention in wet edges or low swale areas. Retention area will be high. Acreage may be significantly less than originally prescribed due to wet conditions. Apply drumming log spec. Apply brush piles along the east edge.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and mixed hardwoods at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

43	71057043-Cut	92.6	4130 - Aspen	Sawtimber Well	61	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2"spec. Leave all white oak and white pine. Focus retention on south end of stand where marsh and drainage are. Could also Leave an island that is heavy to large crowned red/black oak. Soil may give us some operability issues especially right after break up until leaf out. Apply drumming log spec and place 8-12 brush piles along the SW swamp edge to increase wildlife habitat.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and mixed hardwoods at fully stocked levels.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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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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49	71057049-Cut	21.1	4199 - Other Mixed Upland Deciduous	Sawtimber Well	110	81-110	Harvest	Crown Thinning	4199 - Other Mixed Upland Deciduous	Even-Aged	No
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Prescription Thin stand by removing high risk and suppressed trees. Remove a portion of the aspen but try to leave enough canopy to suppress aspen regen. Attempt to start establishing a maple sup canopy by open up the canopy . Leave large diameter supercanopy oak. Do not spec cut aspen and maple. Target a BA of 50-70.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

54	71057054-Cut	17.8	42220 - Natural Jack Pine	Poletimber Well	68	81-110	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clearcut stand with a 2"spec. Scatter jack pine tops to encourage natural seeding. Retain oak poletimber for visuals. Stand has enough aspen scattered about that the stand should fill in with regeneration after harvest.

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

Acceptable Aspen, oak and jack pine at fully stocked levels.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

64	71057064-Cut	13.5	42220 - Natural Jack Pine	Poletimber Well	57	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
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Prescription Clearcut stand with a 4" spec and protect oak subcanopy. Leave Jack pine tops to encourage natural jack pine regeneration.

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

Acceptable Oak and jack pine at fully stocked levels.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

72	71057072-Cut	42.4	4131 - Aspen, Oak	Poletimber Well	53	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
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Prescription Clearcut stand with a 2"spec. Leave 1-3 large crowned oak per acre where applicable. Leave all white pine for cover, diversity and future seed source. Leave retention on the north end to buffer the bog. Apply drumming log spec to increase wildlife habitat. Place 3-5 large brush piles along the NW swamp edge.

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

Acceptable Aspen at fully stocked levels.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



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
103	71057103-Cut	2.3	42220 - Natural Jack Pine	Poletimber Well	80	51-80	Harvest	Clearcut	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Clearcut stand and protect oak understory. Leave Jack pine tops to help seed in some jack pine.</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> Oak and jack pine at fully stocked levels.</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>											
111	71057111-Cut	6.5	4126 - White, Black, N. Pin Oak	Sawtimber Well	110	81-110	Harvest	Shelterwood	412 - Oak Types	Even-Aged	No
<p><u>Prescription</u> Cut all black oak, aspen and any suppressed white oak. Leave all healthy, large crowned white oak and white pine. Manage stand for mast production and establishing white oak and white pine regeneration.</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> Oak, mixed hardwoods and white pine at fully stocked levels.</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 324.6
Acreage Proposed:

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 57
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions			
		With Condition	Not Available		5B	5C	2G	5E
1590	1544	26	20	Aspen		26		20
42	42	0	0	Bog				
29	29	0	0	Herbaceous Openland				
34	34	0	0	Jack Pine				
34	0	0	34	Lowland Conifers			34	
41	0	0	41	Lowland Mixed Forest			41	
51	51	0	0	Lowland Shrub				
127	127	0	0	Marsh				
125	114	11	0	Mixed Upland Deciduous		11		
4	4	0	0	Natural Mixed Pines				
26	26	0	0	Northern Hardwood				
118	77	40	1	Oak	12	28		1
48	48	0	0	Red Pine				
1	1	0	0	Sand, Soil				
132	131	0	1	Upland Mixed Forest				1
31	31	0	0	Water				
77	70	7	0	White Pine		7		
2,509	2,328	84	96	Total Forested Acres	12	72	75	21
	93%	3%	4%	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	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 57
Year of Entry: 2026

3	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Checked per SBW analysis							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 57
Year of Entry: 2026

10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Roscommon Mgt. Unit
Jason Lewicki: Examiner

Compartment: 57
Year of Entry: 2026

17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	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



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
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
1	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	62.4	87	81-110	N/A	Stand of sawtimber white pine with patches of younger poletimber aspen and throughout. Some dense pockets of nice sawtimber white pine. Small bogs and wetlands throughout the stand. Some areas could benefit from a thinning.																																																				
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2	6229 - Mixed lowland shrub	Nonstocked	7.5		Unspecified	No																																																					
3	6229 - Mixed lowland shrub	Nonstocked	11.6		Unspecified	No																																																					
4	4133 - Aspen, Mixed Pine	Poletimber Well	151.6	44	51-80	N/A	Stand of primarily quaking aspen mixed with white pine, oak and some balsam fir. Areas of high water table especially on the north end. Stand is a good source of cover and oak should be able to put out some acorns. Stand needs more time to grow and develop. Hold until next entry.																																																				
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6	6233 - Wet Meadow	Nonstocked	20.6		Unspecified	No																																																					
7	4130 - Aspen	Sapling Well	49.7	13	Immature	N/A	Aspen stand that was "cut out of entry" for age class distribution. Some scattered pine and balsam on west end primarily.																																																				
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8	4125 - Black, N. Pin Oak	Sawtimber Well	14.4	112	51-80	N/A	Stand of mixed oax. Some decent quality sawtimber present in areas. Scattered white pine in understory. Stand was thinned last entry. Black/red oak is overmature and showing signs of decline and mortality.																																					
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9	4130 - Aspen	Poletimber Well	7.6	50	81-110	N/A	Thin aspen strip along Artesia Beach Rd. was left as a buffer when the stand to the south was cut.																																					
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10	4125 - Black, N. Pin Oak	Sawtimber Well	11.5	112	51-80	N/A	Stand was thinned in past and now has thick aspen and maple understory. wait until aspen understory is merchantable.																																					
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11	4130 - Aspen	Poletimber Well	12.6	29	51-80	N/A	Young, just developing A6 with super canopy oak component.																																					
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13	4319 - Mixed Upland Forest	Sawtimber Well	4.6	87	81-110	N/A	Some lowland areas																																					
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Black/Red (Hybrid) Oak	10	Log	12																																									
White Pine	50	Pole/Log	8	87																																								
Sub-Canopy Species	Density	Avg. Height	Size																																									
Red Maple	Medium	10 - 20 feet	Sapling																																									
White Pine	Low	Variable	Sapling																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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14 4199 - Other Mixed Upland Deciduous Sapling Medium 16.7 8 Immature N/A Cut in 2016. Some good oaks regeneration coming in.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	1	8
Bigtooth Aspen	5	Sapling	1	8
Black/Red (Hybrid) Oak	40	Sapling	1	8
White Pine	15	Log/Pole	10	
White Oak	10	Sapling	1	
White Oak	15	Log	12	

15 6130 - Fir, Aspen, Maple Poletimber Well 29.8 87 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	2	Pole	8	
Red Maple	43	Pole/Log	8	87
Paper Birch	3	Pole	6	
Balsam Fir	30	Pole	6	87
Black Spruce	5	Pole/Log	8	
Quaking Aspen	5	Pole	6	
White Pine	10	Log/Pole	10	
Red Pine	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	High	10 - 20 feet	Sapling

16 4130 - Aspen Poletimber Well 70.0 51 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log/Pole	10	
Red Maple	15	Pole	7	
Quaking Aspen	65	Pole/Log	8	51
Balsam Fir	2	Pole	5	
Bigtooth Aspen	5	Pole/Log	9	
White Pine	8	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
White Pine	Low	Variable	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

Stand of primarily quaking aspen and maple stand. There is some scattered oak, white pine and balsam present. The far east side is a little higher ground and contains bigtooth aspen. There are definitely areas that have a higher water table and could cause some operability issues.

17 6239 - Mixed Emergent Wetland Nonstocked 92.0 Unspecified No

18 6123 - Lowland Fir Poletimber Well 14.4 77 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	58	Pole	8	77
Northern White Cedar	5	Pole/Log	8	
Red Maple	22	Pole	6	
White Pine	10	Pole/Log	8	
Paper Birch	2	Pole	6	
Quaking Aspen	3	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																												
19	42201 - Natural White Pine, Mixed Deciduous	Poletimber Well	7.3	60	81-110	N/A	Stand dominated by white pine with some maple mixed in. There are some large diameter white pine scattered about especially on eastern peninsula.																																												
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20	4113 - R.Maple, Conifer	Poletimber Well	26.0	77	81-110	N/A	Red maple stand on high water table. Scattered large diameter white pine. Balsam fir subcanopy.																																												
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21	6225 - Bog	Nonstocked	2.7		Unspecified	No																																													
22	4319 - Mixed Upland Forest	Poletimber Well	52.7	77	81-110	N/A	Stand of primarily white pine, red maple and balsam fir. Difficult access.																																												
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23	4139 - Aspen, Mixed Deciduous	Sawtimber Well	12.2	75	81-110	N/A	Small stand of mature aspen, maple and oak. North border is along a wetland and creek. Stand could be accessed through pvt to the south.																																												
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Red Maple	Medium	10 - 20 feet	Sapling																																																
24	6229 - Mixed lowland shrub	Nonstocked	11.4		Unspecified	No																																													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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25	4130 - Aspen	Sapling Well	15.4	15	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		5	Sapling	2			
Red Maple		5	Sapling	2			
Pin Cherry		5	Sapling	2			
Black/Red (Hybrid) Oak		8	Sapling	2			
White Oak		2	Log	12			
Quaking Aspen		75	Sapling	2	15		

26	4130 - Aspen	Sapling Well	3.7	15	Immature	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		98	Sapling	2	15	Pin Cherry		Low	< 5 feet	Sapling
White Oak		2	Log	12						

27	4130 - Aspen	Poletimber Well	36.3	51	81-110	N/A	Mature stand of quaking aspen mixed with some older oak and white pine. Some wet areas and swales present. Entire stand has a somewhat high water table.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		2	Log	14		Red Maple		Medium	10 - 20 feet	Sapling
White Pine		2	XLog/Log	18						
Quaking Aspen		88	Pole/Log	9	51					
Red Maple		8	Log/Pole	10						

28	4131 - Aspen, Oak	Poletimber Well	65.6	29	1-50	N/A	Some areas of good stump sprout oak regen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Pole/Sapling	5		Red Maple		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		20	Pole/Sapling	5		White Oak		Low	5 - 10 feet	Sapling
Bigtooth Aspen		55	Pole/Sapling	5	29	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Quaking Aspen		20	Pole/Sapling	5	29					

29	4130 - Aspen	Poletimber Well	47.5	40	51-80	N/A	Areas with good amounts of oak poletimber mostly from stump sprouts.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		10	Pole	6		Pin Cherry		Low	5 - 10 feet	Sapling
Quaking Aspen		33	Pole	6	40	Red Maple		High	10 - 20 feet	Sapling
White Pine		2	Pole	8						
Black/Red (Hybrid) Oak		15	Pole	6						
Bigtooth Aspen		40	Pole	6	40					

30	6225 - Bog	Nonstocked	4.0		Unspecified	No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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31 4131 - Aspen, Oak Sapling Well 12.2 8 Immature N/A Cut in 2016

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	15	Sapling	1	8
White Pine	5	Pole/Log	8	
Red Pine	2	Log	14	
Jack Pine	2	Sapling	1	
White Oak	5	Log	14	
Bigtooth Aspen	69	Sapling	1	8
Pin Cherry	2	Sapling	1	

32 4130 - Aspen Poletimber Well 47.0 29 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	36	Pole	5		Red Maple	Medium	5 - 10 feet	Sapling
Red Maple	2	Pole	5		White Oak	Low	Variable	Sapling
Bigtooth Aspen	60	Pole	5	29	Pin Cherry	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	2	Pole	5					

33 4139 - Aspen, Mixed Deciduous Sapling Medium 15.7 14 Immature N/A

Failed oak clearcut. Heavy browse on red maple. Low stocking on west 1/2-2/3 of stand due to failed oak regeneration and browse. East 1/3 is aspen

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	2	14
White Oak	5	Log	10	
Quaking Aspen	20	Sapling	1	14
Pin Cherry	20	Sapling	2	
Bigtooth Aspen	30	Sapling	2	14
White Oak	2	Sapling	2	
Black/Red (Hybrid) Oak	3	Sapling	2	

34 4130 - Aspen Sapling Well 21.1 29 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	50	Sapling/Pole	3	29	Red Maple	Medium	10 - 20 feet	Sapling
Red Maple	5	Sapling/Pole	3		Serviceberry (Juneberry)	Low	10 - 20 feet	Tall Shrub
Quaking Aspen	45	Sapling/Pole	3	29	Pin Cherry	Medium	5 - 10 feet	Sapling

35 500 - Water Nonstocked 14.7 Unspecified No



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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36	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	18.4	61	51-80	N/A	Stand of balsam fir and red maple. Scattered old rotten. Far east end is dominated by aspen and fir. Stand slopes down to the west and transitions to maple and fir with scattered birch and cedar. Heavy balsam fir understory, good wildlife cover. Stand is being used as a cover stand for deer as snow is about knee deep at time of inventory. Areas of marsh in the center of the stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	53	Pole/Log	9	61
Quaking Aspen	20	Pole/Log	9	
Paper Birch	5	Pole	8	
Northern White Cedar	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling

37	4130 - Aspen	Poletimber Well	48.7	30	1-50	N/A	Low quality quaking aspen on south end.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	5	
Black/Red (Hybrid) Oak	5	Pole	6	
Bigtooth Aspen	35	Pole	6	30
Quaking Aspen	58	Pole	6	30

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	< 5 feet	Sapling
Red Maple	High	10 - 20 feet	Sapling

38	500 - Water	Nonstocked	16.0		Unspecified	No	
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39	4125 - Black, N. Pin Oak	Sawtimber Well	5.9	102	81-110	N/A	Small stand of oak mixed with red maple, white pine and a few aspen. Good mast production area.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	64	Log	14	102
White Oak	5	Log	15	
Bigtooth Aspen	2	Log/Pole	12	
Red Maple	20	Pole/Log	9	
White Pine	8	Log/Pole	10	
Paper Birch	1	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling

40	6239 - Mixed Emergent Wetland	Nonstocked	13.9		Unspecified	No	
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41	4130 - Aspen	Sapling Medium	162.3	10	Immature	N/A	Larg stand of aspen that was cut in the spring and summer of 2015. Some areas of high water table struggling to regenerate.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	1	
Black/Red (Hybrid) Oak	5	Sapling	1	
Quaking Aspen	42	Sapling	1	10
Bigtooth Aspen	45	Sapling	1	10
Black/Red (Hybrid) Oak	2	Log	14	
White Oak	1	Log	14	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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42	4199 - Other Mixed Upland Deciduous	Sawtimber Well	3.7	102	81-110	N/A	Small stand of healthy red and white oak mixed with some maple. A good wildlife stand to produce acorns.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		3	Log	16		Balsam Fir		Low	Variable	Sapling
White Oak		10	Log	14		Red Maple		Low	10 - 20 feet	Sapling
Red Oak		45	Log	14	102	Pin Cherry		Low	5 - 10 feet	Sapling
Quaking Aspen		2	Log	12		Serviceberry (Juneberry)		Medium	5 - 10 feet	Tall Shrub
Red Maple		40	Pole/Log	8						

43	4130 - Aspen	Sawtimber Well	92.6	61	81-110	N/A	Large, primarily quaking aspen stand. Some oak and maple mixed in. Some better quality soils in areas. Aspen is showing signs of heart rot and decline.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		80	Log/Pole	11	61	Red Maple		Medium	10 - 20 feet	Sapling
Bigtooth Aspen		5	Log/Pole	12						
Red Maple		8	Log/Pole	10						
Red Oak		5	Log	15						
White Pine		1	Log/Pole	13						
White Oak		1	Log	14						

44	4131 - Aspen, Oak	Sapling Medium	13.6	8	Immature	N/A				
Canopy Species		% Cover	Size Class	DBH	Age					
Red Maple		5	Sapling	1						
Black/Red (Hybrid) Oak		30	Sapling	1	8					
Pin Cherry		15	Sapling	1						
Quaking Aspen		50	Sapling	1	8					

45	4130 - Aspen	Poletimber Well	42.9	29	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		49	Pole	5	29	White Oak		Low	Variable	Sapling
Bigtooth Aspen		48	Pole	5	29	Red Maple		Medium	10 - 20 feet	Sapling
Red Maple		3	Pole	5		Pin Cherry		Medium	5 - 10 feet	Sapling

46	4130 - Aspen	Poletimber Well	22.7	40	81-110	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Quaking Aspen		28	Pole	6	40	Red Maple		Medium	>20 feet	Sapling
Bigtooth Aspen		70	Pole	7	40	Pin Cherry		Medium	5 - 10 feet	Sapling
Red Maple		2	Pole	6						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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47	4199 - Other Mixed Upland Deciduous	Sawtimber Well	10.9	102	81-110	N/A	Small stand of hardwood and oak. Some scattered sugar. Heavier to sugar Mae on far west end.																																											
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48	4199 - Other Mixed Upland Deciduous	Sapling Well	19.7	15	1-50	N/A	Stand consists of overstory mature white oak along with red maple stumpsprouts and aspen.																													
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White Oak	20	Log	12																																	

49	4199 - Other Mixed Upland Deciduous	Sawtimber Well	21.1	110	81-110	N/A	Diverse, unique stand for the area. A mix of maple oak and aspen. Some areas especially on the south end are dominated by aspen. Stand is higher in the south end and contains some nice oak. There is scattered sugar maple found throughout the central and south end. Some very large white oak and some super canopy pine also found.																																																			
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50	4130 - Aspen	Poletimber Well	26.2	30	1-50	N/A																																						
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51	4130 - Aspen	Sapling Medium	21.1	15	Unspecified	N/A																				
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Quaking Aspen	20	Sapling	2																							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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52	4131 - Aspen, Oak	Poletimber Well	29.4	30	1-50	N/A	Some areas of good stump sprout oak regen.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		2	Sapling	3		Pin Cherry		Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		30	Sapling/Pole	4		Black/Red (Hybrid) Oak		Low	Variable	Sapling
Bigtooth Aspen		58	Pole/Sapling	5	30					
Quaking Aspen		10	Pole/Sapling	5						

53	4131 - Aspen, Oak	Poletimber Well	4.4	52	51-80	N/A	Some scattered pine present.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		75	Pole	6	52	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		25	Pole	6		Pin Cherry		Medium	5 - 10 feet	Sapling

54	42220 - Natural Jack Pine	Poletimber Well	17.8	68	81-110	N/A	Stand of jack pine mixed with aspen and some poletimber oak.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		1	Log	12		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Jack Pine		76	Pole/Log	8	68	Pin Cherry		High	5 - 10 feet	Sapling
Bigtooth Aspen		15	Pole/Log	8						
Black/Red (Hybrid) Oak		8	Pole/Log	8						

55	4130 - Aspen	Poletimber Well	33.7	40	81-110	N/A	Bigtooth aspen stand with white pine mixed in. White pine has good growth and form. Consider leaving white pine component when harvesting stand in future. Small 1 acre stand of plantation red pine pole timber on east side of trail.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		2	Pole	6		Red Maple		Low	10 - 20 feet	Sapling
White Pine		15	Pole/Log	9		Pin Cherry		Low	5 - 10 feet	Sapling
Bigtooth Aspen		81	Pole	6	40	White Pine		Low	Variable	Sapling
Red Pine		2	Pole/Log	9						

56	4131 - Aspen, Oak	Sapling Well	26.4	8	Immature	N/A	Areas of good oak regeneration.			
Canopy Species		% Cover	Size Class	DBH	Age					
Bigtooth Aspen		67	Sapling	1	8					
White Pine		2	Log	10						
Red Maple		2	Sapling	1						
Pin Cherry		2	Sapling	1						
White Oak		2	Log	14						
Black/Red (Hybrid) Oak		25	Sapling	1						

57	4130 - Aspen	Poletimber Well	40.5	29	51-80	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Bigtooth Aspen		77	Pole	6	29	Black/Red (Hybrid) Oak		Low	Variable	Sapling
Quaking Aspen		15	Pole	6		Pin Cherry		Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		3	Pole	5		White Oak		Low	5 - 10 feet	Sapling
Red Maple		5	Pole	5						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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58	4126 - White, Black, N. Pin Oak	Sawtimber Medium	11.9	110	1-50	N/A	Stand had everything cut but the white oak in the past. It is currently a white oak sawtimber stand with aspen and maple growing up underneath it. Some open areas have that maple and aspen up in the canopy. A fair amount of oak saplings are present. Second age of sub canopy is 15 years old.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Oak		100	Log	14	110	Red Maple		Medium	Variable	Sapling	
						White Oak		Medium	< 5 feet	Sapling	
						Black Cherry		Medium	5 - 10 feet	Sapling	
						Bigtooth Aspen		High	>20 feet	Sapling	

59	4130 - Aspen	Sapling Well	23.6	10	Immature	N/A	Aspen stand mixed with some regenerating maple and oak. Scattered mature oak and white pine are also present. Cut in the spring of 2015.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Oak		10	Log/Pole	12							
Bigtooth Aspen		60	Sapling	1	10						
Black/Red (Hybrid) Oak		8	Sapling	1							
White Oak		2	Log	14							
White Pine		10	Pole/Log	8							
Red Maple		8	Sapling	1							
Black/Red (Hybrid) Oak		2	Log	14	117						

60	3102 - Grass	Nonstocked	27.3		Immature	No	Open area with patches of oak, aspen or jack pine. Open areas being heavily used and abused by ORVs.
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61	6225 - Bog	Nonstocked	6.5		Unspecified	No	
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62	4130 - Aspen	Poletimber Well	38.1	40	81-110	N/A	Aspen stand with areas of oak and some scattered pine.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		2	Pole	5		Red Maple		Low	Variable	Sapling	
White Pine		10	Pole/Log	8		Black/Red (Hybrid) Oak		Low	Variable	Sapling	
Red Pine		5	Pole/Log	8		Serviceberry (Juneberry)		Low	10 - 20 feet	Sapling	
Quaking Aspen		8	Pole	6		Pin Cherry		Medium	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		15	Pole	5							
Bigtooth Aspen		60	Pole	6	40						

63	4130 - Aspen	Poletimber Well	48.3	30	1-50	N/A					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		5	Pole	5		Pin Cherry		Low	< 5 feet	Sapling	
Quaking Aspen		10	Pole	5		Red Maple		High	10 - 20 feet	Sapling	
Bigtooth Aspen		83	Pole	5	30	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		2	Pole/Sapling	5							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
64	42220 - Natural Jack Pine	Poletimber Well	13.5	57	51-80	N/A	Natural jack pine stand mixed with some scattered red pine and oak. Heavy advanced understory of oak present.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Jack Pine		83	Pole/Log	8	57	Pin Cherry	Medium	5 - 10 feet	Sapling
Red Pine		2	Log/Pole	12		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		10	Pole/Log	8					
Bigtooth Aspen		5	Pole	8					
65	6225 - Bog	Nonstocked	16.3		Unspecified	No			
66	4130 - Aspen	Poletimber Well	21.3	38	51-80	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		96	Pole	6	38	Pin Cherry	Low	5 - 10 feet	Sapling
Red Maple		2	Pole	5		Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		2	Pole	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
						White Oak	Low	5 - 10 feet	Sapling
						Red Maple	Medium	5 - 10 feet	Sapling
67	3102 - Grass	Nonstocked	1.9	0	Unspecified	No			
68	4130 - Aspen	Poletimber Well	38.4	28	1-50	N/A	More oak and lower site quality on the nw piece of stand. Smaller diameters and lower BA found there as well.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen		90	Pole	6	28	Pin Cherry	Low	< 5 feet	Sapling
Red Maple		5	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Black/Red (Hybrid) Oak		5	Pole	5		Red Maple	Medium	10 - 20 feet	Sapling
						Black/Red (Hybrid) Oak	Medium	5 - 10 feet	Sapling
69	4122 - Oak, Pine	Sapling Well	35.8	7	Immature	N/A	Stand cut and planted to red pine in 2017. Third year regeneration check found 36% overall mortality and high competition from natural oaks. A mixed objective was acceptable for regeneration so this has been met.		
Canopy Species		% Cover	Size Class	DBH	Age				
Red Pine		15	Sapling	1					
Jack Pine		15	Sapling	1					
Black/Red (Hybrid) Oak		65	Sapling	1	7				
Pin Cherry		5	Sapling	1					
70	4130 - Aspen	Sapling Well	3.0	7	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age				
Black/Red (Hybrid) Oak		10	Sapling	1					
Jack Pine		2	Sapling	1					
Bigtooth Aspen		88	Sapling	1	7				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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71	4130 - Aspen	Sapling Medium	47.2	6	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
White Oak		2	Log	12			
Bigtooth Aspen		92	Sapling	1	6		
White Pine		5	Pole/Log	9			
Black/Red (Hybrid) Oak		1	Log/Pole	12	110		

72	4131 - Aspen, Oak	Poletimber Well	42.5	53	111-140	N/A	Aspen pole timber stand with older overstory of oak. Better SI on the south end with some nice red oak. Lower SI to the north with quaking aspen and less oak.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Pole	7			
Red Oak		25	Log	14	100		
White Oak		2	Log/Pole	12			
Bigtooth Aspen		56	Pole/Log	8	53		
White Pine		2	Pole/Log	8			
Quaking Aspen		10	Pole	6			
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		Medium	10 - 20 feet	Sapling			
White Pine		Low	Variable	Sapling			

75	42200 - Natural White Pine	Poletimber Well	2.9	68	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		75	Pole/Log	9	68		
Red Maple		20	Pole	8			
Black/Red (Hybrid) Oak		5	Log/Pole	12			
Sub-Canopy Species		Density	Avg. Height	Size			
White Pine		Medium	Variable	Sapling			

76	4130 - Aspen	Poletimber Well	13.1	38	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		100	Pole	6	38		
Sub-Canopy Species		Density	Avg. Height	Size			
Red Maple		High	10 - 20 feet	Sapling			
Witch Hazel		Low	5 - 10 feet	Tall Shrub			
Pin Cherry		Low	5 - 10 feet	Sapling			

77	6225 - Bog	Nonstocked	4.2		Unspecified	No	
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78	42250 - Pine, Oak	Sawtimber Well	4.0	110	81-110	N/A	Small, narrow ridge on the edge of a bog. Oak is old and in decline.
Canopy Species		% Cover	Size Class	DBH	Age		
Jack Pine		5	Pole/Log	9			
Black/Red (Hybrid) Oak		30	Log/Pole	12			
Red Pine		30	Log	12	110		
White Pine		35	Log/Pole	10	110		
Sub-Canopy Species		Density	Avg. Height	Size			
Red Pine		Low	Variable	Sapling			
White Pine		Medium	Variable	Sapling			
Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
79	4130 - Aspen	Poletimber Well	9.3	36	51-80	N/A	Some quaking aspen and black oak on north end.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		78	Pole	6	36	Red Maple	
Black/Red (Hybrid) Oak		2	Pole/Sapling	5		White Pine	
White Pine		5	Pole	7			
Red Maple		10	Pole	5			
Quaking Aspen		5	Pole	6			
80	4123 - Red Oak	Sawtimber Well	10.6	100	51-80	N/A	Red/black oak stand that was species thinned in the past. Heavy red maple understory and pockets of aspen. Some more open areas have maple and aspen in the canopy.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Oak		2	Log/Pole	12		Bigtooth Aspen	
Red Oak		98	Log/Pole	13	100	Red Maple	
81	4130 - Aspen	Poletimber Well	10.7	36	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		93	Pole	6	36	Red Maple	
Red Oak		2	Pole	5			
Red Maple		5	Pole	5			
82	4130 - Aspen	Sapling Well	6.9	16	Immature	N/A	A3 stand with some scattered mature oak overstory. Some oak regen on N. end.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		3	Log	12		Red Maple	
Red Maple		20	Sapling	3			
Bigtooth Aspen		72	Sapling	3	16		
Black/Red (Hybrid) Oak		5	Sapling	2			
83	42110 - Planted Red Pine	Sawtimber Well	2.5	58	81-110	N/A	Thinned in 2018
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Pine		100	Log/Pole	10	58	Pin Cherry	
						Black/Red (Hybrid) Oak	
84	4130 - Aspen	Sapling Well	10.5	16	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		10	Sapling	3			
Red Oak		5	Log	14			
Bigtooth Aspen		83	Sapling	3	16		
Red Oak		2	Sapling	2			
85	710 - Sand, Soil	Nonstocked	1.2		Unspecified	No	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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86	4131 - Aspen, Oak	Poletimber Well	15.2	36	51-80	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Bigtooth Aspen		66	Pole	6	36	Red Maple	
White Pine		5	Pole/Log	9		Black/Red (Hybrid) Oak	
White Oak		2	Pole/Sapling	5		Density	
Black/Red (Hybrid) Oak		25	Pole/Sapling	5		Avg. Height	
Red Maple		2	Pole/Sapling	5		Size	
						Medium	
						10 - 20 feet	
						Low	
						5 - 10 feet	
						Sapling	

87	4130 - Aspen	Poletimber Well	21.8	28	1-50	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Black/Red (Hybrid) Oak		5	Pole/Sapling	5		Witch Hazel	
Red Maple		5	Pole	6		Pin Cherry	
Bigtooth Aspen		90	Pole	7	28	Red Maple	
						Density	
						Avg. Height	
						Size	
						Low	
						5 - 10 feet	
						Low	
						5 - 10 feet	
						High	
						10 - 20 feet	
						Sapling	
						Sapling	

88	4130 - Aspen	Poletimber Well	25.1	38	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		2	Pole	5		Witch Hazel	
Black/Red (Hybrid) Oak		5	Pole	6		Black/Red (Hybrid) Oak	
Red Pine		1	Pole	6		Red Maple	
Bigtooth Aspen		92	Pole	8	38	Density	
						Avg. Height	
						Size	
						Low	
						5 - 10 feet	
						High	
						10 - 20 feet	
						Sapling	
						Sapling	

89	4125 - Black, N. Pin Oak	Sapling Poor	4.6	28	Immature	N/A	Open grass/sedge areas with oak found scattered and in clumps.
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Sapling	2			
Black/Red (Hybrid) Oak		81	Sapling	3	28		
Quaking Aspen		2	Sapling	4			
Jack Pine		2	Sapling	2			
Pin Cherry		10	Sapling	2			

90	4125 - Black, N. Pin Oak	Sapling Well	6.6	18	Immature	N/A	Heavy cherry component. All the aspen is on the south edge.
Canopy Species		% Cover	Size Class	DBH	Age		
Pin Cherry		10	Sapling	2			
Black/Red (Hybrid) Oak		68	Sapling	2	18		
Bigtooth Aspen		20	Sapling	2			
Red Maple		2	Sapling/Pole	2			

91	4130 - Aspen	Poletimber Well	10.9	28	1-50	N/A	Just entering overall poletimber size class.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Pole/Sapling	5		Pin Cherry	
Bigtooth Aspen		85	Pole/Sapling	5	28	Red Maple	
Black/Red (Hybrid) Oak		5	Sapling/Pole	4		Density	
						Avg. Height	
						Size	
						Low	
						< 5 feet	
						Medium	
						5 - 10 feet	
						Sapling	
						Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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92 4125 - Black, N. Pin Oak Sapling Medium 5.2 28 1-50 N/A Somewhat open/low stocking oak stand mixed with red maple.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling/Pole	3	
Black/Red (Hybrid) Oak	80	Sapling/Pole	3	28

93 4130 - Aspen Poletimber Well 9.9 36 1-50 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Pole	6		Red Maple	Medium	Variable	Sapling
Black/Red (Hybrid) Oak	5	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Maple	5	Pole/Sapling	5					
Bigtooth Aspen	88	Pole/Sapling	5	36				

94 4191 - Mixed Upland Deciduous with Conifer Sapling Well 34.7 17 1-50 N/A Stand was cut in spring of 2007. White oak, white pine and red pine were left. Regen consists of a good mix of aspen and oak saplings.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	20	Sapling	2	
Red Pine	10	Log/Pole	10	
White Pine	20	Log/Pole	10	65
Red Maple	2	Sapling	2	
Bigtooth Aspen	36	Sapling	3	17
White Oak	2	Sapling	2	
White Oak	10	Log	12	

95 4130 - Aspen Poletimber Well 18.5 36 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	5	Pole/Log	8		Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak	5	Pole	5		Red Maple	High	10 - 20 feet	Sapling
Quaking Aspen	10	Pole	6					
Bigtooth Aspen	75	Pole	6	36				
Red Maple	5	Pole/Sap/Log	5					

96 6225 - Bog Nonstocked 1.9 Unspecified No

97 4133 - Aspen, Mixed Pine Sawtimber Well 4.2 78 81-110 N/A Small stand of mixed deciduous with pine. There is a wet area on the nw side of stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	2	Pole/Log	8		Pin Cherry	Medium	5 - 10 feet	Sapling
Quaking Aspen	45	Log/Pole	10	78	White Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	25	Log	14		Witch Hazel	Low	5 - 10 feet	Tall Shrub
Red Pine	5	Log	12					
White Oak	3	Log	12					
White Pine	20	Log/Pole	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98	4125 - Black, N. Pin Oak	Sapling Well	4.6	38	1-50	N/A	Wildfire
Canopy Species		% Cover	Size Class	DBH	Age		
Bigtooth Aspen		2	Sapling/Pole	3	38		
Black/Red (Hybrid) Oak		88	Sapling/Pole	3	38		
Pin Cherry		10	Sapling/Pole	3			

99	4310 - Pine, Oak Mix	Sapling Well	26.8	18	Immature	N/A	Jack pine plantation with good amounts of oak regeneration.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		45	Sapling	2			
Pin Cherry		5	Sapling	2			
Jack Pine		50	Sapling	2	18		

100	4130 - Aspen	Sapling Well	7.6	18	Immature	N/A	
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		5	Sapling	2			
White Oak		2	Sapling	2			
Pin Cherry		2	Sapling	2			
Bigtooth Aspen		91	Sapling	2	18		
Sub-Canopy Species		Density	Avg. Height	Size			
Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling			
Pin Cherry		Low	< 5 feet	Sapling			

101	42210 - Natural Red Pine	Sawtimber Well	22.3	70	81-110	N/A	2-3 aged red pine stand mixed with white pine and some oak. Majority of stand is small sawtimber size red and white pine. There is also a 90 year old age class present. Old, large diameter red pine are also present as super canopy trees and were cored at 175 years and can be labeled as "legacy trees". Old fire scars are common on these trees. White pine, oak and even some red pine are found as saplings in the understory.
Canopy Species		% Cover	Size Class	DBH	Age		
White Pine		15	Log/Pole	10			
Red Pine		78	Log/Pole/XLog	10	70		
Black/Red (Hybrid) Oak		5	Log/Pole	12			
White Oak		2	Log/Pole	12			
Sub-Canopy Species		Density	Avg. Height	Size			
Pin Cherry		Low	Variable	Sapling			
White Oak		Medium	< 5 feet	Sapling			
Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling			
White Pine		Low	Variable	Sapling			
Red Pine		Low	Variable	Sapling			

102	4310 - Pine, Oak Mix	Sapling Well	32.2	27	1-50	N/A	Red pine plantation with heavy oak component.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		45	Sapling/Pole	4	27		
Red Pine		51	Sapling/Pole	4	27		
Jack Pine		2	Sapling	3			
Bigtooth Aspen		2	Sapling/Pole	3			
Sub-Canopy Species		Density	Avg. Height	Size			
Pin Cherry		Low	Variable	Sapling			

103	42220 - Natural Jack Pine	Poletimber Well	2.3	80	51-80	N/A	Small stand of overmature old jack pine. Heavy advanced oak regeneration in understory.
Canopy Species		% Cover	Size Class	DBH	Age		
Black/Red (Hybrid) Oak		5	Log/Pole	12			
Jack Pine		95	Pole/Log	9	80		
Sub-Canopy Species		Density	Avg. Height	Size			
Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling			
White Pine		Low	Variable	Sapling			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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104	4310 - Pine, Oak Mix	Sapling Medium	15.5	7	Immature	N/A	Cut and planted to red pine in 2017 under FTP C71-993. Third year check found 58% mortality to red pine and high competition from natural oak. Mixed objective was acceptable for regeneration.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	33	Sapling	1	7
Black/Red (Hybrid) Oak	45	Sapling	1	7
Jack Pine	15	Sapling	1	
Red Pine	2	Log	12	
Pin Cherry	5	Sapling	1	

105	6127 - Lowland Pine	Sawtimber Well	19.6	82	111-140	N/A	Lowland pine swamp with black spruce.
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	40	Log/Pole	12	82
Red Pine	30	Log/Pole	12	
Black Spruce	30	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Medium	Variable	Sapling

106	42210 - Natural Red Pine	Sawtimber Well	22.7	75	81-110	N/A	Mixed stand of red and white pine. It was thinned last entry. There are multiple age classes of red pine. Some very old, large red pine present in the 175 year range(Legacy trees) .Some red pine in the understory but mostly it has white pine with some cherry and oak.
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	3	Log	10	
White Pine	20	Pole/Log	8	
White Oak	2	Pole/Log	8	
Red Pine	75	Log/Pole/XLog	11	75

Sub-Canopy Species	Density	Avg. Height	Size
Pin Cherry	Low	< 5 feet	Sapling
Red Pine	Low	Variable	Sapling
Black/Red (Hybrid) Oak	Low	Variable	Sapling
White Pine	Medium	Variable	Sapling

107	6225 - Bog	Nonstocked	3.8		Immature	No	
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109	42200 - Natural White Pine	Sawtimber Well	4.6	55	81-110	N/A	
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Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Pole	6	
White Pine	95	Log/Pole	10	55

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Black/Red (Hybrid) Oak	Low	5 - 10 feet	Sapling

110	6130 - Fir, Aspen, Maple	Poletimber Well	11.2	51	51-80	N/A	Stand of primarily bigtooth aspen mixed with some pine and fir. Stand has some wet areas and a few small pocket of standing water. Aspen could really use some more time to grow and mature.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole/Sapling	5	
Balsam Fir	45	Pole/Sapling	5	51
Quaking Aspen	10	Pole/Sapling	5	51
White Pine	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Tag Alder	Low	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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111 4126 - White, Black, N. Pin Oak Sawtimber Well 6.5 110 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Pole/Log	9		Red Maple	Low	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	30	Log	14		White Oak	Medium	Variable	Sapling
Bigtooth Aspen	8	Pole	7		White Pine	Low	Variable	Sapling
Red Maple	10	Log/Pole	10					
White Oak	50	Log	14	110				

112 622 - Lowland Shrub Nonstocked 20.5 0 No Areas of lowland brush and marsh with pockets of maple and aspen that are too wet to harvest.

113 4130 - Aspen Poletimber Well 0.0 51 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	88	Pole/Log	9	51	Red Maple	Medium	10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	2	Log	14					
White Pine	2	XLog/Log	18					
Red Maple	8	Log/Pole	10					

Mature stand of quaking aspen mixed with some older oak and white pine. Some wet areas and swales present. Entire stand has a somewhat high water table.

114 4130 - Aspen Poletimber Well 1.7 51 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	88	Pole/Log	9	51	Red Maple	Medium	10 - 20 feet	Sapling
White Pine	2	XLog/Log	18					
Red Maple	8	Log/Pole	10					
Black/Red (Hybrid) Oak	2	Log	14					

Mature stand of quaking aspen mixed with some older oak and white pine. Some wet areas and swales present. Entire stand has a somewhat high water table.

115 6225 - Bog Nonstocked 2.7 0 No