



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32027

Entry Year: 2026

Acreage: 1,832

County: Marquette

Management Area: Menominee-Marquette

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**Stand Examiner:** Sean Fischer

**Legal Description:**

T44N R24W Section 22, 23, 24

**Identified Planning Goals:**

To maintain the health and sustainability of the forest while providing for recreational, wildlife, and fisheries concerns and needs.

**Soil and topography:**

Level swamps and wetland drainages comprised of Carbondale, Tawas and Cathro-Ensley mucks with a small amount of upland flats, primarily Paquin-Finch sands, Croswell-Deford, and Charlevoix-Ensley. Equipment limitations.

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

Mostly State ownership, with one large block of industry lands within Section 22, and some private forty acre parcels in section 19..

**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:**

Potential for calypso orchid and ram's head lady's-slipper in conifer swamps. Yellow-banded bumble bee observed within the compartment in 1936. Some potential for submergent and emergent marsh species in small lake and creeks: auricled tway-blade, autumnal water starwort, alternate-leaved water-milfoil, Farwell's water-milfoil, alga pondweed, small yellow water-lily, American shore-grass, linear-leaved gentian and veiny meadow-rue.

**Watershed and Fisheries Considerations:**

This compartment contains vernal pools, seeps, and intermittent streams. 100-foot, plus 5 feet per 1% increase in slope, buffers are recommended to protect these areas in accordance with Best Management Practices. For selective harvest within the buffer, avoid deep rutting and maintain a canopy cover equal to or greater than 70 percent.

**Wildlife Habitat Considerations:**

This compartment is found within the Menominee-Marquette Management Area, on Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris, early successional forest, 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**

Sections 22 - 24, T44N-R24W, Marquette County

Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River and Prairie du Chien Formations subcrop below the glacial drift. The Black River is quarried for stone in the UP. A gravel pit may be located in Section 23, but potential appears to be limited. Abandoned iron mines are located four miles to the northwest, but economic iron probably has been removed from this area. This State land has not been previously leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

State highway M-35 and old M-35 bisect compartment, with a few interior seasonal/closed roads within. Parker Spur, a State maintained poor dirt road, also runs from M-35 to the west and Co Rd R.A. borders the east side of the compartment.

**Survey Needs:**

Private 40 within Section 24 may require final corner to be set. Private 40 corners in section 19 need survey.

**Recreational Facilities and Opportunities:**

No established facilities. Main recreation is for hunting.

**Fire Protection:**

Mostly low grounds. Low fire potential.

**Additional Compartment Information:**

Parker Spur requires yearly maintenance - beaver populations continually back up water, plugging culverts, which overflows the already low roadway. Local hunting traffic continually ruts road during wet periods; road needs additional fill, so that grading would be more effective.

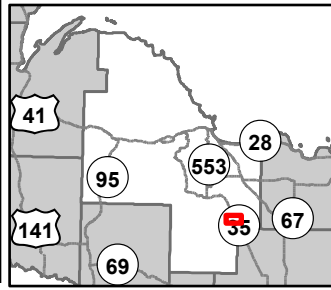
**The following reports from the Inventory are attached:**

- 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**



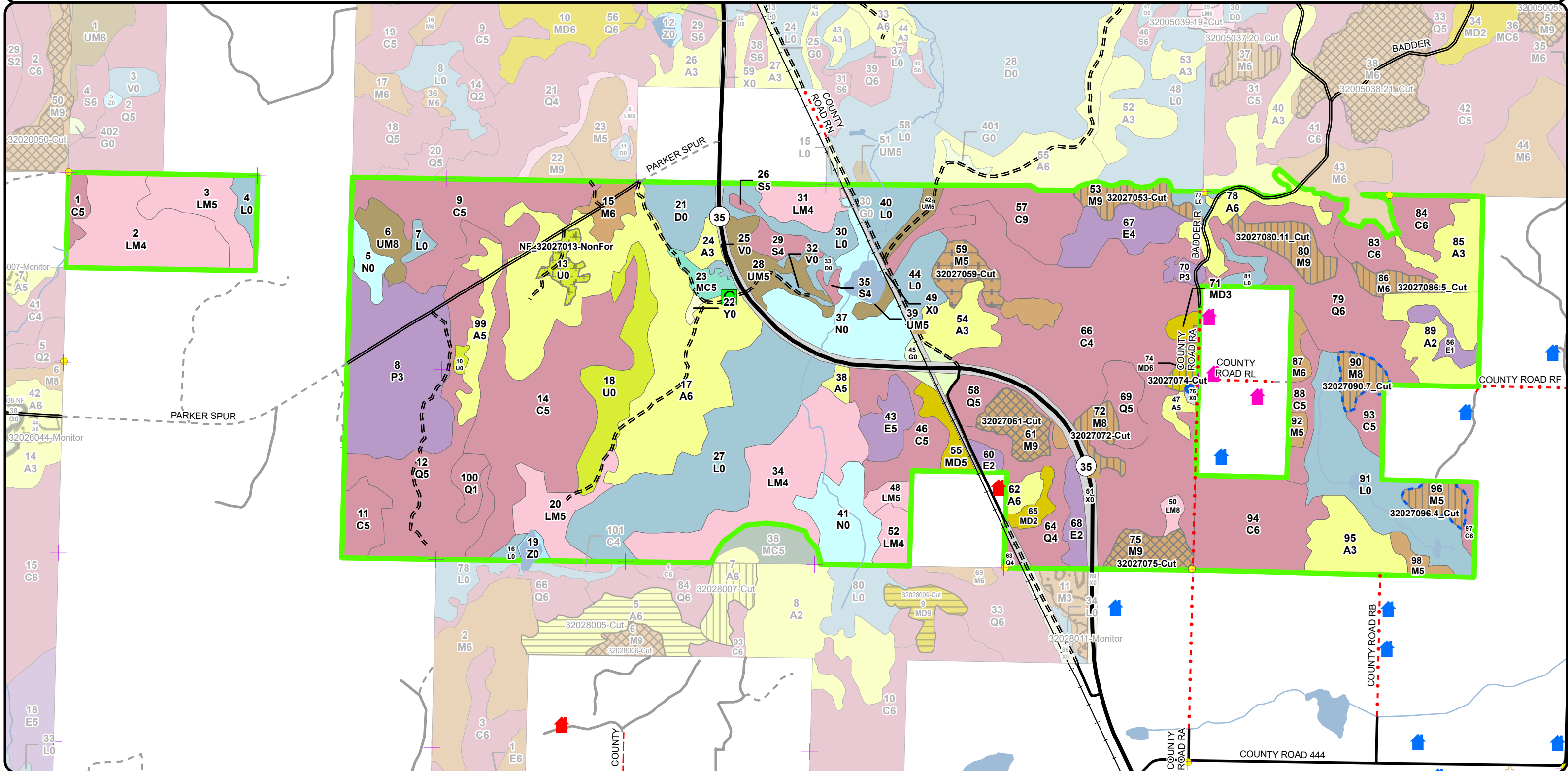
Compartment: 32027  
 T44N, R23W, Sec: 19  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Menominee-  
 Marquette  
 YOY: 2026  
 Acres: 1832 GIS Calculated  
 Examiner: Sean Fischer  
 Map Revised: 10/03/2024  
 Map Phase: Post Review



- Cabin
- House
- Structure, Seasonal Dwelling
- Berms
- Gate
- Cemetery
- Tower
- Survey Grade Corners

- Remonumented Section Corners
- Private - Dirt / Gravel Road
- Active Railroads
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road

- Selection (Group, Single Tree)
- Harvest, Overstory Removal
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 110 - Low Intensity Urban
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil

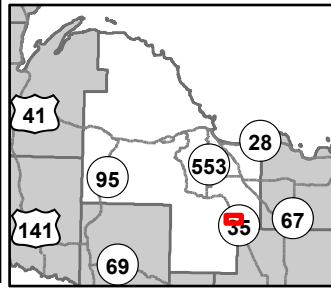








**Special Conservation Areas & Site Conditions Map**



Compartment: 32027  
 T44N, R23W, Sec: 19  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Menominee-  
 Marquette  
 YOE: 2026  
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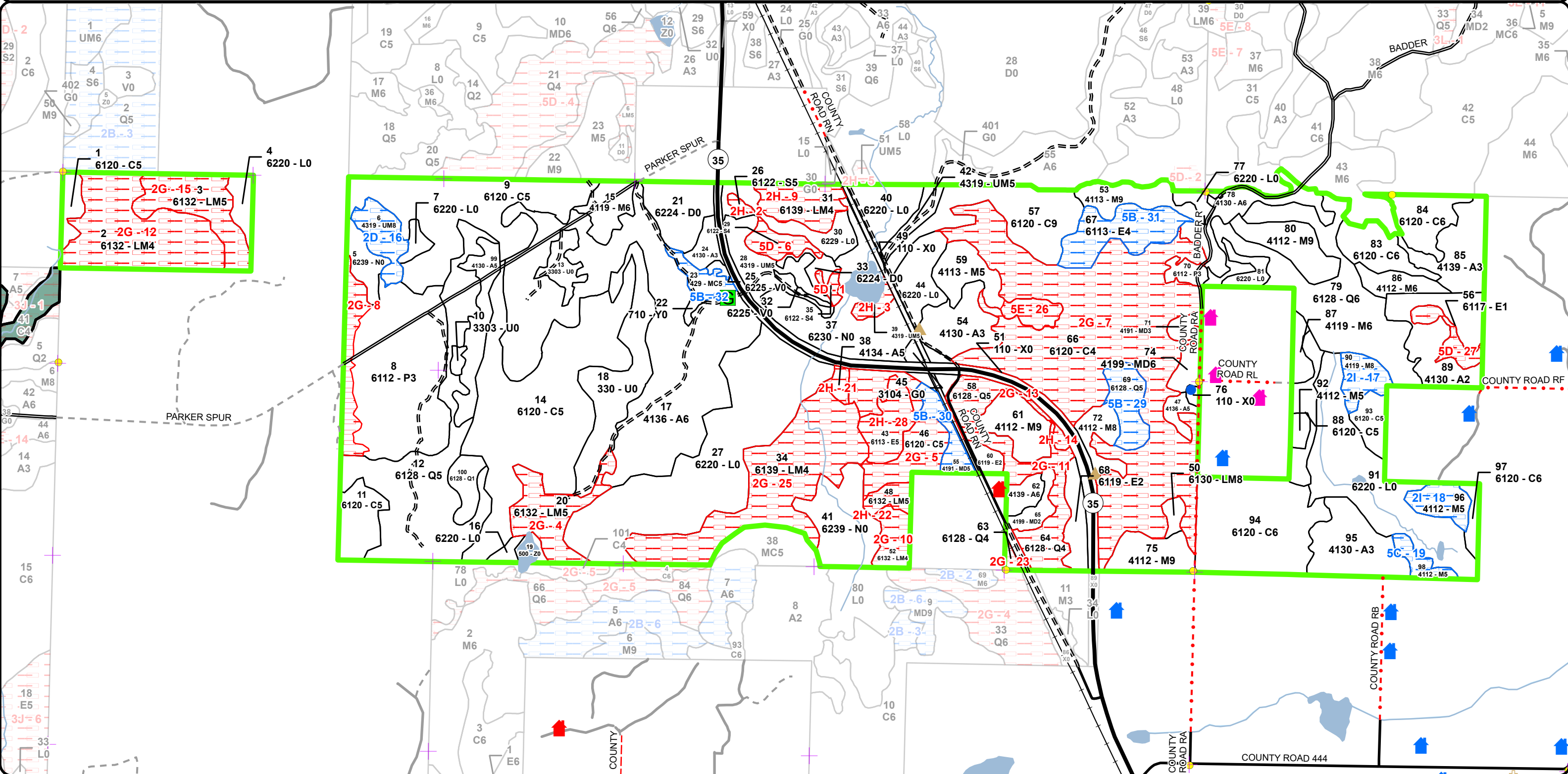


- Cabin
- House
- Structure, Seasonal Dwelling
- Berms
- Gate
- Cemetery
- Tower
- Survey Grade Corners

- Remonumented Section Corners
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road

- Active Railroads
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)

- 2I: Survey needed
- 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)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- Vernal Pool



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	17	48	30	163	5	0	0	0	0	0	0	0	0	0	0	0	0	263
Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Cedar	0	0	0	0	0	0	0	0	0	0	168	75	127	24	95	0	0	4	492
Herbaceous Openland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Low-Density Trees	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Lowland Aspen/Balsam Poplar	0	77	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Lowland Conifers	0	0	0	0	72	0	10	0	0	23	0	12	0	0	0	0	0	57	174
Lowland Deciduous	0	13	0	0	0	0	0	0	6	0	34	0	0	0	0	0	0	0	53
Lowland Mixed Forest	0	0	0	0	0	3	15	0	0	0	14	70	0	0	82	0	0	0	182
Lowland Shrub	203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	203
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	10
Marsh	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71
Mixed Upland Deciduous	0	5	0	3	0	0	0	0	0	0	13	0	0	0	0	0	0	0	21
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	52	53	0	0	0	0	0	25	130
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Upland Conifers	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	0	16	0	0	16	3	0	0	0	0	0	0	0	0	0	0	35
Urban	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
<b>Total</b>	<b>386</b>	<b>112</b>	<b>48</b>	<b>49</b>	<b>239</b>	<b>8</b>	<b>41</b>	<b>3</b>	<b>6</b>	<b>23</b>	<b>287</b>	<b>220</b>	<b>127</b>	<b>24</b>	<b>177</b>	<b>0</b>	<b>0</b>	<b>86</b>	<b>1833</b>



## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 27

Total Compartment Acres: 1,832

Commercial Harvest - 88  
 Harvests with Site Condition - 17  
 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
Mixed Upland Deciduous	0	0	0	0	5	0	0	0	0	5
Northern Hardwood	0	27	0	0	60	0	13	0	0	100
<b>Total</b>	<b>0</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>65</b>	<b>0</b>	<b>13</b>	<b>0</b>	<b>0</b>	<b>105</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	105	0	0	0	0	0	0	7	0	112
Next Step	0	0	0	0	0	0	105	0	7	112
<b>Total</b>	<b>105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105</b>	<b>0</b>	<b>14</b>	<b>224</b>



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

**Proposed Treatments:**

<b>53</b>	<b>32027053-Cut</b>	12.0	4113 - R.Maple, Conifer	Sawtimber Well	97	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Reserve total 40-60 BA, favoring retention of quality red maple poles and wildlife trees (cavity trees, mast species) by painting trees green.  <u>Specs:</u> Cut all maple except trees painted green. Cut all balsam fir down to 2in.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Red maple, aspen spp., sugar maple, hemlock, yellow birch, basswood, spruce spp., white pine, northern white cedar, northern red oak, and other northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>59</b>	<b>32027059-Cut</b>	12.5	4113 - R.Maple, Conifer	Poletimber Medium	105	81-110	Harvest	Overstory Removal	4119 - Mixed Northern Hardwoods	Even-Aged	No
<p><u>Prescription</u> Cut all merchantable red maple, aspen. Cut all balsam fir 2 inch and up. Cut all black cherry under 10 inch dbh. Green tree 10 BA of largest diameter red maple available that is not log quality.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Red maple, aspen, sugar maple, northern white cedar, spruce, white pine, black cherry, white birch, yellow birch, hemlock, tamarack, and any other northern hardwood associated species.</p> <p><u>Other Comment:</u> Long term retention is eastern most part of stand, east of tag alder swale. Winter restriction recommended because of wet access, wet soils. Regeneration protection spec recommended to protect red maple, yellow birch, and black cherry saplings which have already established.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
<b>61</b>	<b>32027061-Cut</b>	14.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	103	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> STS to promote advance maple regeneration recommended. Favor removal of large diameter stems which will drop grade, pulp trees, trees with maple die back, other trees which are dying or diseased, and suppressed trees. Retain off species and wildlife-quality cavity trees.  <u>Specs:</u> Remove 1/3 of trees, residual basal area will vary locally throughout stand, but the average should be 70-80 BA. Cut all fir. Make 2 canopy gaps of roughly 66' canopy diameter per acre. Retain all yellow birch and white pine.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)  <u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Sugar maple, red maple, yellow birch, eastern hemlock, northern white cedar, paper birch, northern red oak, aspen spp., basswood, white spruce, white pine, and any other northern hardwood associated species.</p> <p><u>Other Comment:</u> Exclude eastern tip which is cut off by finger of cattails.</p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											





Standard

Treatment ID	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
72	32027072-Cut	8.6	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	105	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Reserve total 40-60 BA, favoring retention of quality red maple poles and wildlife trees (cavity trees, mast species) by painting trees green.</p> <p><u>Specs:</u> Cut all merchantable red maple, sugar maple, and aspen except trees painted green. Cut all balsam fir down to 2in.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Red maple, aspen spp., sugar maple, hemlock, yellow birch, basswood, spruce spp., white pine, northern white cedar, northern red oak, and other northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
74	32027074-Cut	4.9	4199 - Other Mixed Upland Deciduous	Poletimber Well	97	81-110	Harvest	Shelterwood with Retention	4199 - Other Mixed Upland Deciduous	Uneven-Aged	No
<p><u>Prescription</u> Reserve total 40-60 BA, favoring retention of quality red and sugar maple poles and wildlife trees (cavity trees, mast species) by painting trees green. Cut all aspen and maple except trees painted green. Cut all balsam fir down to 2in.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Northern hardwood associated species, especially red maple, sugar maple, yellow birch, basswood, red oak, spruce, aspen spp., hemlock, or northern white cedar.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
75	32027075-Cut	13.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> STS to promote advance maple regeneration recommended. Favor removal of large diameter stems which will drop grade, pulp trees, trees with maple die back, other trees which are dying or diseased, and suppressed trees. Retain off species and wildlife-quality cavity trees. Remove 1/3 of trees, residual basal area will vary locally throughout stand, but the average should be 70-80 BA. Cut all fir. Make 2 canopy gaps of roughly 66' canopy diameter per acre. Retain all hemlock and white 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 Regen:</u> Sugar maple, red maple, yellow birch, eastern hemlock, northern white cedar, paper birch, northern red oak, aspen spp., basswood, white spruce, white pine, and any other northern hardwood associated species.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											

**Approved Treatments:**

80	32027080.11_Cut	15.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	97	81-110	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Two-Aged	No
<p><u>Prescription</u> Mark trees to a residual 40-60 BA. Focus your marking on removing the poor form and deformities within the stand. No cut Hemlock, Cedar and White Pine. Favor to keep large oversized Basswood, cherry, yellow birch and other lesser occurring species to maintain species diversity.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Regen:</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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Other Comment:  
Site Condition:  
Proposed Start Date: 10/1 /2025

<b>86</b>	<b>32027086.5_C</b>	7.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	93	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Two-Aged	No
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Prescription Specs: Mark trees to a residual of 40-60 BA. Focus your marking on removing the poor form and deformities within the stand. No cut Hemlock, Cedar, and white pine. Favor retention of yellow Birch, Black Cherry. and other lesser occurring species to maintain species diversity. No other retention due to small size.  
Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)  
Acceptable Regen: Any tree species currently in the overstory is acceptable.  
Other Comment:  
Site Condition:  
Proposed Start Date: 10/1 /2025

<b>90</b>	<b>32027090.7_C</b>	8.5	4119 - Mixed Northern Hardwoods	Sawtimber Medium	90	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Two-Aged	No
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Prescription Specs: Mark trees to a residual of 40-60 BA. Focus your marking on removing the poor form and deformities within the stand. No cut Hemlock and Cedar. Favor retention of large paper birch, Yellow Birch, Black Cherry and other lesser occurring species to maintain species diversity. No other retention due to small size.  
Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)  
Acceptable Regen: Any tree species currently in the overstory is acceptable.  
Other Comment:  
Site Condition: Survey Needed  
Proposed Start Date: 10/1 /2025

<b>96</b>	<b>32027096.4_C</b>	8.6	4112 - Maple, Beech, Cherry Association	Poletimber Medium	90	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Two-Aged	No
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Prescription Specs: Mark trees to a residual of 40-60 BA. Focus your marking on removing the poor form and deformities within the stand. No cut Hemlock, Cedar, and White Pine. Favor to keep some large paper Birch, yellow birch, black cherry and other lesser occurring species to maintain species diversity. No other retention due to small size.  
Next Step Treatments: Monitoring, Natural Regen (Re-Inventory)  
Acceptable Regen: Any tree species currently in the overstory will be acceptable.  
Other Comment:  
Site Condition: Survey Needed  
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
13 NF_32027013-NonFor	7.1	3303 - Mixed Low Density Trees	Nonstocked			NonForestMgt	Other - Specify	3301 - Low Density Deciduous Trees		No
<p><u>Prescription</u> Use chainsaws to maintain opening. Planting of hard/soft mast trees/shrubs to benefit feature species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> NonForestMgt, Herbaceous/Crop/Grass Planting</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u></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> 5 /1 /2025</p>										

**Total Treatment 112**  
**Acreage Proposed:**



# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer: Examiner

Compartment: 27  
Year of Entry: 2026



### Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
263	260	0	3

### Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Condition	Dominant Site Conditions							
						2D	2I	5B	5C	2G	2H	5D	5E
263	260	0	0	3	Aspen				0		3		
3	3	0	0	0	Bog								
493	302	0	0	191	Cedar					191			
5	5	0	0	0	Herbaceous Openland								
41	41	0	0	0	Low-Density Trees								
81	69	0	0	12	Lowland Aspen/Balsam Poplar					12			
174	129	12	12	33	Lowland Conifers			12		33			
52	13	21	21	19	Lowland Deciduous			21			13	6	
182	3	0	0	179	Lowland Mixed Forest					160	19		
203	203	0	0	0	Lowland Shrub								
10	0	0	0	10	Lowland Spruce/Fir						1	9	
71	71	0	0	0	Marsh					0			
21	13	8	8	0	Mixed Upland Deciduous			8					
129	100	22	22	7	Northern Hardwood		17		5		1		6
1	1	0	0	0	Sand, Soil								
20	20	0	0	0	Treed Bog							0	
6	0	6	6	0	Upland Conifers			6					
36	22	11	11	3	Upland Mixed Forest	11					3		
39	39	0	0	0	Urban								
3	3	0	0	0	Water								
1,832	1,295	80	80	457	Total Forested Acres	11	17	46	5	395	41	15	6
	71%	4%	4%	25%	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	5D: Unproductive Forest Land	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer: Examiner

Compartment: 27  
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2	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	1	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	2J: Blocked by Railroad	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	20	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
6	<b>Unavailable</b>	5D: Unproductive Forest Land	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	2G: Too wet (sensitive soils, does not include access issues)	168	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer: Examiner

Compartment: 27  
Year of Entry: 2026



8	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	15	2J: Blocked by Railroad			
<b>Comments:</b>							
10	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	47	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Multiple swales and drainages throughout the stand.							



## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer: Examiner

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Year of Entry: 2026



13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	23	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Wet ground throughout stand and in adjacent stands and presence of multiple intermittent streams will make access for to the stand and within the stand for treatments prohibitively difficult							
16	<b>Available</b>	<b>2D: Portable Bridge Needed (Dept. bridge will be adequate)</b>	11	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Available</b>	<b>2I: Survey needed</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
18	<b>Available</b>	<b>2I: Survey needed</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer: Examiner

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Year of Entry: 2026



19	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	2I: Survey needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Delay treatment to treat with A3 stand 95 to the west. Stand is small and access is wet.							
21	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	3	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Blocked by lowland and long skids. Grade to M-35 is too steep for driveway to be built, and curve is dangerous.							
22	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	5	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	1	2J: Blocked by Railroad	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
25	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	62	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
26	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	6	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Sean Fischer: Examiner

Compartment: 27  
Year of Entry: 2026



27	Unavailable	5D: Unproductive Forest Land	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
28	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
29	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
30	Available	5B: Maintain for regeneration purposes	8	2E: Road needed	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
31	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
32	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments

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### Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>1</b>	6120 - Lowland Cedar	Poletimber Medium	5.6	100	111-140	N/A	Well-stocked lowland conifer stand.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	5	
Black Spruce	5	Log	10	
Red Maple	5	Pole	9	
Hemlock	5	Log	16	
Northern White Cedar	80	Pole	8	100

<b>2</b>	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	46.9	105	1-50	N/A	Wet stand - heavy tagalder; drainage within. Small black ash and cedar (stunted and stressed, in places), with numerous dead snags, dead yellow birch, blowdown. Scattered areas with maple.
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Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/Pole	10	
Red Maple	10	Pole	7	
White Spruce	2	Pole	7	
Black Spruce	4	Pole/Sapling	5	
Balsam Fir	10	Pole/Sapling	5	90
Northern White Cedar	40	Pole/Log/Sap	6	105
Black Ash	32	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	10 - 20 feet	Sapling
Balsam Fir	Low	Variable	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub

<b>3</b>	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	22.6	105	81-110	N/A	Scattered upland and lowland. Small amount of overmature aspen with red maple, fir, spruce - pockets of cedar and tagalder swales. Trace hemlock with a few dead snags. Tag alder swales channelize periodically to form intermittent streams, especially running west/east at southeastern portion of stand
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	4	Log/XLog/Pole	12	
Black Spruce	3	Pole	7	
Northern White Cedar	30	Pole/Log	8	
Balsam Fir	5	Pole	6	
White Spruce	5	Log	14	
Tamarack	2	Pole/Log	9	
Red Maple	40	Log/Pole	11	105
White Pine	5	XLog/Log	18	
Yellow Birch	4	Log/Pole	10	
Black Ash	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Sapling
Red Maple	Low	>20 feet	Sapling
White Spruce	Low	Variable	Sapling
Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub

<b>4</b>	6220 - Alder/willow	Nonstocked	5.7			No	Stand is very low ground with scattered timber
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Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High		Tall Shrub
Balsam Fir	Trace		Sapling
Northern White Cedar	Trace		Pole





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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5 6239 - Mixed Emergent Wetland Nonstocked 7.6 No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub
Northern White Cedar	Low	10 - 20 feet	Pole
Balsam Fir	Low	10 - 20 feet	Sapling
Black Spruce	Trace	10 - 20 feet	Pole

6 4319 - Mixed Upland Forest Sawtimber Medium 11.0 55 81-110 N/A

Clump red maple; heavy balsam fir, some which was cut under permit #35/67 - winter, 1968. Balsam fir experiencing heavy mortality from spruce budworm.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/XLog	16	
Northern White Cedar	10	Pole/Log	8	105
Balsam Fir	13	Pole	7	25
Quaking Aspen	5	Pole/Sapling	6	
White Pine	5	XLog	24	
White Spruce	5	Pole/Log	9	
Red Maple	50	Log/Pole	11	55
Hemlock	10	Log/Pole	13	105

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	< 5 feet	Tall Shrub
White Spruce	Low	>20 feet	Sapling
Balsam Fir	High	Variable	Sapling
Red Maple	Low	>20 feet	Sapling

7 6220 - Alder/willow Nonstocked 3.0 No

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low		Pole
Balsam Fir	Trace		Sapling
Tag Alder	High		Tall Shrub

8 6112 - Lowland Aspen Sapling Well 77.2 3 Immature N/A

Cut in 2021: Parker/CNN sale #32-027-16Permit#14/72A - cut Dec, 1973 - Jan, 1975 - removed mainly aspen, fir, spruce, SE corner heavier to lowland conifers (spruce, fir, cedar; hemlock patch). Some dead aspen stems and hypoxylon noted. Smaller timber on lower grounds.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Pole/Log	8	
Quaking Aspen	87	Sapling	1	3
Northern White Cedar	5	Pole/Log	8	
Hemlock	2	Pole/Log	8	
Black Cherry	2	Sapling/Pole	3	3
White Pine	2	Log/XLog	16	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	Medium	>20 feet	Sapling
Black Spruce	Medium	Variable	Sapling
White Spruce	Low	Variable	Sapling
Paper Birch	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	5 - 10 feet	Sapling
Yellow Birch	Low	>20 feet	Sapling
Balsam Fir	High	>20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9	6120 - Lowland Cedar	Poletimber Medium	58.0	110	111-140	N/A	Some fir cut in the late 60's. Stand has isolated, less than 1 acre patches, of 10-14 inch dbh tamarack and black spruce. Portions of stand water impacted due to beaver activity and Mud Creek drainage; wetter areas with 5-6" dbh cedar and more tagalder.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	2	Pole	9		Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	65	Pole/Log	8	110	Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	10	Pole/Log	8					
Hemlock	5	Log/Pole	13					
White Spruce	2	Log/Pole	11					
Yellow Birch	2	Pole/Log	9					
Black Ash	3	Pole/Sapling	5					
Black Spruce	5	Pole	7					
White Pine	3	XLog	20					
Balsam Fir	3	Pole/Sapling	5					

10	3303 - Mixed Low Density Trees	Nonstocked	1.5		Immature	Managed Opening	W32-472: cleared and seeded 8/1998. Natural fern opening. Spruce, fir, black cherry, and aspen saplings are encroaching.
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Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	10 - 20 feet	Sapling
White Spruce	Medium	10 - 20 feet	Sapling
Black Cherry	Medium	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Seeding

11	6120 - Lowland Cedar	Poletimber Medium	13.0	106	81-110	N/A	Black ash/cedar with areas of thicker cedar concentrations. Uprooting and blowdown noted, in places.
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	2	Pole	9		Black Ash	Low	10 - 20 feet	Sapling
Red Maple	2	Log	10		Red Maple	Low	< 5 feet	Sapling
Paper Birch	2	Log	12		Northern White Cedar	Low	5 - 10 feet	Sapling
Black Spruce	9	Pole/Sapling	5		Balsam Fir	Low	Variable	Sapling
Black Ash	20	Pole/Sapling	5		Yellow Birch	Low	>20 feet	Sapling
Northern White Cedar	60	Pole	7	106	Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**12** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 65.4 32 51-80 N/A

"Parker Spur West Block" #010-86 - cut 1990 - 1992. Quite a bit of low ground within, with only higher ridges with upland aspen. Mostly spruce, fir and tamarack poles in the low ground. Fir has received heavy mortality from spruce budworm.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole/Sapling	5	32	Black Spruce	Medium	Variable	Sapling
White Spruce	2	Pole/Sapling	6		White Pine	Low	5 - 10 feet	Sapling
Paper Birch	4	Sapling/Pole	4	32	Northern White Cedar	Medium	10 - 20 feet	Sapling
Black Cherry	2	Sapling/Pole	3		White Spruce	Low	Variable	Sapling
Red Maple	9	Sapling/Pole	3		Paper Birch	Medium	>20 feet	Sapling
White Pine	3	Log/Pole/XLog	10		Willow spp.	Low	< 5 feet	Tall Shrub
Tamarack	20	Pole/Sapling	5	32	Yellow Birch	Low	Variable	Sapling
Quaking Aspen	10	Sapling/Pole	4	32	Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Poplar	10	Sapling	3		Red Maple	Low	5 - 10 feet	Sapling
Black Spruce	20	Pole/Sapling	5	32	Black Cherry	Low	Variable	Sapling

**13** 3303 - Mixed Low Density Trees Nonstocked 7.1 Managed Opening

Girdled tamarack saplings on edges. Multiple clumps of spruce/fir/white pine; balm aspen clones. Some black cherry and other hw's. W32-455: 70# spike 6/26/1996.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	Sapling
Hemlock	Trace	5 - 10 feet	Sapling
White Pine	Low	10 - 20 feet	Sapling
Quaking Aspen	Low	10 - 20 feet	Pole
Tamarack	Trace	5 - 10 feet	Sapling
White Spruce	Medium	10 - 20 feet	Pole

**14** 6120 - Lowland Cedar Poletimber Medium 95.3 132 51-80 N/A

High water table impact, in places, due to restricted drainage. Includes some lower stocked areas with tagalder and heavier cedar interior.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	65	Pole/Log	8	132	Balsam Fir	Medium	Variable	Sapling
Red Maple	8	Pole	8		Tag Alder	High	10 - 20 feet	Tall Shrub
Quaking Aspen	2	Log	12					
Paper Birch	5	Log/Pole	10					
Black Ash	7	Pole	8					
White Spruce	3	Log	10					
Balsam Fir	10	Pole/Sapling	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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15	4119 - Mixed Northern Hardwoods	Poletimber Well	9.8	105	81-110	N/A	"P.S. Block" sale (unit 3) #006-96 - cut Feb., 1999. Lower quality sugar maple; heavy defects to red maple. Trace amount of elm, paper birch, black cherry, cedar.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
White Spruce		1	Pole/Sapling	6					Sugar Maple	Medium	>20 feet	Sapling			
Balsam Fir		3	Pole/Sapling	6					Black Ash	Low	>20 feet	Sapling			
Quaking Aspen		5	Sapling/Pole	4					Yellow Birch	Low	>20 feet	Sapling			
Balsam Poplar		2	Sapling	4					Ironwood	Low	>20 feet	Sapling			
Basswood		7	Log	12					Red Maple	Medium	5 - 10 feet	Sapling			
Red Maple		30	Pole/Log	9	105				Black Cherry	Low	10 - 20 feet	Sapling			
White Pine		2	Log	12					Balsam Fir	High	Variable	Sapling			
Yellow Birch		3	Log/Pole	11					White Pine	Low	5 - 10 feet	Sapling			
Hemlock		1	Log	14					Hemlock	Low	5 - 10 feet	Sapling			
Sugar Maple		45	Pole/Sap/Log	7	105				Paper Birch	Low	>20 feet	Sapling			
Black Spruce		1	Pole	6					Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub			
									Balsam Poplar	Medium	10 - 20 feet	Sapling			

16	6220 - Alder/willow	Nonstocked	2.2			No	Very poorly drained.
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17	4136 - Aspen, Mixed Conifer	Poletimber Well	129.2	36	111-140	N/A	Pole aspen and red maple. "Parker Spur Block" #002-86 - cut Su, 1986 - March, 1988 and Feb, 1990. Mature strip of timber left along M-35 containing red maple, aspen, hemlock, paper birch and white pine. Small portion cut (north side of Parker Spur) as "P.S. Block" #006-96 (unit 2) - Feb., 1998. Some earlier salvage of fir done under permits #042-84-02 (7 acs), #043-84-02 (7 acs), and #023-84-02 (13 acs) all completed in 1984.
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Canopy Species					% Cover	Size Class	DBH	Age	Sub-Canopy Species				Density	Avg. Height	Size
Balsam Fir		10	Sapling	4					Black Spruce	Medium	Variable	Sapling			
Black Spruce		3	Sapling	3					Tamarack	Medium	>20 feet	Sapling			
White Spruce		2	Pole	7					Balsam Fir	Medium	Variable	Sapling			
Red Maple		5	Sapling/Pole	3					White Pine	Low	Variable	Sapling			
Tamarack		5	Pole/Sapling	5											
Quaking Aspen		25	Pole	8	36										
Black Cherry		2	Sapling/Pole	4											
Balsam Poplar		8	Sapling	3											
Paper Birch		15	Pole	6											
White Pine		5	Log/Pole	10											
Bigtooth Aspen		20	Pole	8	36										

18	330 - Low-Density Trees	Nonstocked	32.0		Immature	No	Low quality, scattered cedar and black spruce. Leatherleaf and tag alder throughout.
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Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Pole
Northern White Cedar	Low	10 - 20 feet	Pole
Black Spruce	Low	10 - 20 feet	Pole

19	500 - Water	Nonstocked	3.0			No	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	20.2	133	81-110	N/A	Mixed lowland stand. Mostly cedar, red maple, and fir with pockets of aspen within.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Northern White Cedar	40	Pole/Log	10	133	
		Yellow Birch	10	Log/Pole	12		
		Black Ash	5	Pole	5		
		Red Maple	15	Pole	6		
		Quaking Aspen	15	Pole	6		
		Balsam Fir	15	Pole	6		
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Red Maple	Medium	10 - 20 feet	Sapling		
		Black Ash	Low	5 - 10 feet	Sapling		
		Tag Alder	Low	5 - 10 feet	Tall Shrub		
		Balsam Fir	Low	5 - 10 feet	Sapling		
21	6224 - Treed Bog	Nonstocked	16.4			No	Leatherleaf bog with 6-10ft tall black spruce throughout.
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Tamarack	Low		Sapling		
		Black Spruce	Medium		Pole		
		Black Spruce	Medium		Sapling		
22	710 - Sand, Soil	Nonstocked	1.2			Managed Opening	Barrow pit.
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Balsam Poplar	Low		Sapling		
		White Pine	Trace		Sapling		
23	429 - Mixed Upland Conifers	Poletimber Medium	6.2	99	51-80	N/A	Ridge/swale of hemlock patches with white pine, and immature balsam fir, aspen, and white birch. Some of the white pine is dead; hemlock overall in poor shape (with seams, forked/dead tops). Most aspen, spruce/fir removed under permit #005-06 "M-35 Aspen" in March, 2008. Stand includes small lowland brush drainage. Heavy spruce budworm mortality in balsam fir.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Hemlock	20	Pole/Log	9	99	
		Tamarack	5	Pole	6	16	
		Bigtooth Aspen	10	Sapling	3	16	
		Paper Birch	5	Pole	6	16	
		Balsam Fir	5	Pole/Sapling	5		
		White Pine	25	Log	16	99	
		Black Spruce	15	Pole/Sapling	5	16	
		Quaking Aspen	15	Sapling	3	16	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Black Spruce	High	Variable	Sapling		
		White Pine	Low	< 5 feet	Sapling		
		Quaking Aspen	High	10 - 20 feet	Sapling		
		Red Maple	High	>20 feet	Sapling		
		Balsam Poplar	Medium	10 - 20 feet	Sapling		
		Balsam Fir	High	Variable	Sapling		
24	4130 - Aspen	Sapling Well	4.9	16	Immature	N/A	Cut under permit #005-06 "M-35 Aspen" in March, 2008. Some residual red maple, spruce/fir as well as lowland aspen within. Stand fully stocked with aspen saplings.
		<b>Canopy Species</b>	<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	
		Hemlock	2	Pole	9		
		Red Maple	10	Sapling/Pole	3		
		Quaking Aspen	60	Sapling	3	16	
		Balsam Fir	5	Pole/Sapling	6	16	
		White Pine	3	Log	16		
		Black Spruce	5	Pole/Sapling	5		
		Balsam Poplar	15	Sapling	3	16	
		<b>Sub-Canopy Species</b>	<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>		
		Black Spruce	Medium	< 5 feet	Seeding		
		Balsam Fir	Medium	< 5 feet	Seeding		
		Red Maple	Medium	Variable	Sapling		





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																															
25	6225 - Bog	Nonstocked	1.0			No	lowland depression																																																																																															
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26	6122 - Black Spruce	Poletimber Medium	1.1	103		N/A	Small island off highway - more of a treed bog type.																																																																																															
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27	6220 - Alder/willow	Nonstocked	91.5			No	Stand is variable in patches, but mostly tag alder with grass below.																																																																																															
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28	4319 - Mixed Upland Forest	Poletimber Medium	16.3	26	51-80	N/A	M-35 hydrologic influence. Unit 1 "P.S. Block" sale #006-96 - cut ~1997. Very mixed stand sizes - ridges/swales; older aspen intermixed with younger. A lot of white pine is heavily weeviled. Lower stand portions are heavier to spruce/fir/cedar. Trace amount of scotch pine, red pine.																																																																																															
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29	6122 - Black Spruce	Poletimber Poor	6.8	103	1-50	N/A	Black spruce saplings with poles, some tamarack poles, many snags and mostly open canopy- stand is between a black spruce stand and a treed bog type. Trace amount of cedar, white pine and hemlock, mainly along edges.																																																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**30** 6229 - Mixed lowland shrub Nonstocked 12.9 Immature No Flooded tag alder stand, snags and dead timber within

Sub-Canopy Species	Density	Avg. Height	Size
Alder	Full	5 - 10 feet	Tall Shrub
Cattail spp.	Medium		Non-Wood
Black Spruce	Low		Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Tamarack	Trace	>20 feet	Pole

**31** 6139 - Mixed Lowland Forest Poletimber Poor 14.5 53 1-50 N/A Numerous raised island pockets of timber within tagalder swamp - very low quality. Trace black spruce. Plenty of snags, blowdown, uprooting. Natural succession occurring. Some small areas of upland. No crossing across RR tracks. Fir has received heavy mortality from spruce budworm.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	5	Pole	7	
Red Maple	10	Pole/Sap/Log	8	
Black Cherry	10	Pole/Sapling	5	
Paper Birch	10	Pole	7	
Quaking Aspen	10	Log/Pole	12	90
Black Ash	10	Pole	5	
Balsam Fir	25	Pole/Sapling	5	53
White Spruce	5	Pole/Log/Sap	8	
Northern White Cedar	15	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
White Spruce	Low	Variable	Sapling
Tag Alder	High	10 - 20 feet	Tall Shrub

**32** 6225 - Bog Nonstocked 1.8 Immature No

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Trace	< 5 feet	Seeding
Leatherleaf	Medium	< 5 feet	Tall Shrub
Tag Alder	Trace	5 - 10 feet	Tall Shrub
Willow spp.	Low	5 - 10 feet	Tall Shrub
Black Spruce	Trace	10 - 20 feet	Sapling

**33** 6224 - Treed Bog Nonstocked 3.6 No some aspen, red maple seedlings/saplings

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Trace		Tall Shrub
Black Spruce	Low		Seeding
Tamarack	Low		Sapling

**34** 6139 - Mixed Lowland Forest Poletimber Poor 61.7 130 1-50 N/A Low site index timber; drainage within and high water table. Unproductive forest land.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Unspecified		
Black Spruce	40	Pole	6	130
Balsam Fir	5	Unspecified		
Black Ash	40	Pole	5	
Northern White Cedar	10	Unspecified		



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	6122 - Black Spruce	Poletimber Poor	2.1	103	1-50	N/A	More of a treed bog type; some blowdown noted.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Paper Birch		4	Pole	6		Balsam Fir	
Black Spruce		96	Pole/Sapling	6	103	Black Spruce	
						Density	Avg. Height
							Size
37	6230 - Cattail	Nonstocked	38.9			No	Dead snags (cedar) within, as well as small islands of timber (aspen, spruce/fir). Contains pond, creek
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Tag Alder		Medium		Tall Shrub			
Cattail spp.		Full		Non-Wood			
Black Spruce		Low	10 - 20 feet	Sapling			
38	4134 - Aspen, Spruce/Fir	Poletimber Medium	2.9	39	51-80	N/A	Part of t. sale #015-84-2 (3 acs) - cut May-June, 1984. Smaller fir was left along highway. Very small piece of high ground. Mix of aspen saplings with residual fir poles, maple, spruce. Some low areas; cattails present.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Balsam Fir		38	Pole/Sapling	7	55	Balsam Fir	
White Spruce		2	Pole	8			
Black Cherry		2	Sapling	4			
Red Maple		10	Sapling/Pole	4			
Paper Birch		4	Pole	8			
Quaking Aspen		25	Sapling/Pole	4	39		
Bigtooth Aspen		15	Sapling	3	39		
Balsam Poplar		4	Pole	8			
39	4319 - Mixed Upland Forest	Poletimber Medium	3.0	60	51-80	N/A	Very narrow ridge. Previously an aspen stand, but due to location, natural succession and beaver activity is converting stand to more fir. Both aspen and older fir in decline; dead aspen (mainly quaking) in stand. W. tip drops into black spruce.
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>	
Northern White Cedar		2	Pole	7		Serviceberry (Juneberry)	
Balsam Fir		33	Pole/Sapling	7	60	Hemlock	
Bigtooth Aspen		10	Log/Pole	10	95	Red Maple	
White Spruce		10	Log/Pole	10		Balsam Fir	
Paper Birch		15	Pole	7		Black Spruce	
Quaking Aspen		2	Log	17	95	Northern White Cedar	
Black Spruce		10	Pole/Sapling	6		White Pine	
Red Maple		15	Pole	9		White Spruce	
White Pine		3	Log/XLog/Pole	14			
40	6220 - Alder/willow	Nonstocked	13.6		Immature	No	Tag alder stand contains unnamed drainage/creek which flows under RR tracks (culvert)
<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>			
Paper Birch		Trace		Sapling			
Northern White Cedar		Low		Sapling			
Tag Alder		Full	5 - 10 feet	Tall Shrub			
Tamarack		Medium		Pole			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments									
41	6239 - Mixed Emergent Wetland	Nonstocked	24.2			No	Drainage within. Stand is tag alder with cedar and spruce scattered throughout.									
								Sub-Canopy Species	Density	Avg. Height	Size					
								Northern White Cedar	Low	Variable	Pole					
								Black Spruce	Low	>20 feet	Pole					
								Alder	High	5 - 10 feet	Tall Shrub					
42	4319 - Mixed Upland Forest	Poletimber Medium	5.4	53	51-80	N/A	Mixed road (old barrow pit) stand cut in 1970. Some older aspen on the fringes. Variable stand, with patches (25%) of very low BA aspen saplings, jackpine saplings, and fir saplings (25% of area), other patches of well stocked pole aspen, birch, and tamarack (40% of area), and other patches of low basal area pole mixed conifer (35% of area)									
								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
								Black Spruce	5	Sapling	3		White Pine	Medium	Variable	Sapling
								Tamarack	10	Pole	6	53	Jack Pine	Medium	10 - 20 feet	Sapling
								Paper Birch	5	Pole	5	53	Tamarack	Medium	>20 feet	Sapling
								White Pine	5	Sapling/Pole	4		Balsam Poplar	Medium	10 - 20 feet	Sapling
								Balsam Poplar	3	Pole	6		Tag Alder	Low	5 - 10 feet	Tall Shrub
								Bigtooth Aspen	5	Pole/Sapling	5	53	White Spruce	Medium	Variable	Sapling
								Balsam Fir	25	Pole/Sapling	6		Balsam Fir	Medium	Variable	Sapling
								Quaking Aspen	30	Pole/Sapling	5	53	Scotch Pine	Low	10 - 20 feet	Sapling
								Black Cherry	2	Pole/Sapling	5		Quaking Aspen	Low	Variable	Sapling
								White Spruce	10	Pole/Sapling	5		Black Cherry	Low	Variable	Sapling
													Northern White Cedar	Low	5 - 10 feet	Sapling
								43	6113 - Lowland Maple	Poletimber Medium	12.8	94	51-80	N/A	"Little Richard's Block" #007-96 - removed aspen, birch and spruce/fir - 1998. Slightly higher ground contains more maple regeneration; much of the stand has heavy balsam fir regeneration preventing recruitment of other more desirable species. Good aspen regeneration in places. Residual maple stems are extremely low quality, with numerous large diameter wildlife quality trees.	
																Canopy Species
Paper Birch	3	Pole	8		Red Maple	Low	Variable									Sapling
Quaking Aspen	5	Log	12		Balsam Fir	Full	Variable									Sapling
White Spruce	2	Sapling/Pole	4		Quaking Aspen	Low	>20 feet									Sapling
Northern White Cedar	10	Log/Pole	10													
Red Maple	68	Pole	9	94												
Black Cherry	2	Pole	6													
Hemlock	2	Pole	7													
Balsam Fir	6	Pole	7													
Yellow Birch	2	Log/XLog	16													



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
44	6220 - Alder/willow	Nonstocked	13.4			No	Tag alder marsh with some small tamarack, white pine, cedar, and black spruce within. Cedar birch and tamarack present on edges.																																																																	
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45	3104 - Degraded	Nonstocked	4.8			No	Degraded opening along intersection of M-35 road and railroad. Grasses and some lowland shrubs present																																																																	
46	6120 - Lowland Cedar	Poletimber Medium	23.5	122	51-80	N/A	Lowland cedar stand with patches of black ash poles. A small upland hardwood patch exists near the property boundary.																																																																	
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47	4136 - Aspen, Mixed Conifer	Poletimber Medium	3.8	26	51-80	N/A	"In Between Block" #009-96 (unit 5, 10) - shelterwood and select cut Oct., 1997. Trace black ash along lower grounds.																																																																	
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48	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	5.0	97	81-110	N/A	Stand is cedar and red maple, upland. Access is blocked by lowland ground, no road to the stand exists. Stump evidence shows stand was harvested once a long time ago.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	110 - Low Intensity Urban	Nonstocked	8.0			No	Old highway and railroad.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	6130 - Fir, Aspen, Maple	Sawtimber Medium	2.8	41	51-80	N/A	"In Between Block" #009-96 (unit7, 8) - shelterwood and select cut Sept, 1997. Also cut under permit #018-83-02 - some hdwd and all fir cut - fall, 1983 - spring, 1984. Pole-sized maple with more conifers, including hemlock patches, fir, black ash, and cedar. Also includes small tagalder swale.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	10	Log	16	98	Balsam Fir	Medium	Variable	Sapling
Northern White Cedar	10	Pole/Log	9		Maple (spp.)	Full	< 5 feet	Seeding
Red Maple	55	Pole	7	41	Maple (spp.)	Medium	10 - 20 feet	Sapling
Balsam Fir	25	Pole/Sapling	6					

51	110 - Low Intensity Urban	Nonstocked	29.5		Immature	No	M-35 and R.O.W.
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	8.5	98	1-50	N/A	Lowland stand with upland patches.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Pole/Log	9	
Northern White Cedar	45	Pole	7	98
Balsam Fir	5	Sapling/Pole	4	
Red Maple	35	Pole	7	
Black Ash	10	Pole	5	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
53	4113 - R.Maple, Conifer	Sawtimber Well	12.0	97	81-110	N/A	"Batter's Corner Block" #008-96 combined select cut - Dec., 1997. Rolling terrain with lower grounds heavier to fir/aspen/red maple saplings with red maple poles interspersed throughout. Fairly mixed age classes. Left all cedar, white pine and hemlock.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	4	Log	16		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Maple	70	Log/Pole	12	97	Red Maple	Medium	Variable	Sapling
Balsam Fir	15	Pole/Sapling	6		Quaking Aspen	Medium	>20 feet	Sapling
Yellow Birch	2	Log/XLog	16		Balsam Fir	High	Variable	Sapling
Northern White Cedar	3	Log/Pole	10		Black Cherry	Low	Variable	Sapling
White Pine	1	XLog	20					
Hemlock	5	Log/Pole/XLog	12					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
54	4130 - Aspen	Sapling Well	17.1	5	1-50	N/A	1-19-21 (PH): This stand was cut and completed in 2019 2015: Permit #16/69A - completed 1970-72. Cherry reserved in 2019 treatment.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	88	Sapling	1	5	Balsam Fir	Medium	Variable	Sapling
White Pine	5	XLog/Log	18		White Spruce	Low	5 - 10 feet	Sapling
Black Cherry	5	Pole/Sapling	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	2	Pole	9		Red Maple	Medium	5 - 10 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**55** 4191 - Mixed Upland Deciduous with Conifer Poletimber Medium 7.8 94 1-50 N/A

"M-35 Hardwood" sale #004-06 - cut 2011. Removed aspen, fir and marked hardwoods. Two-aged stand now. North tip of stand was cut in 1998 - now 2-3" dbh aspen clump. North portion of stand has much lower BA than southern portion, around 30-40 BA in the north, 50-80 BA in the south.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Pole/Log	9	
Balsam Poplar	5	Sapling	1	
Balsam Fir	10	Pole/Sapling	6	
Paper Birch	10	Sapling/Pole	4	
Tamarack	2	Pole	6	
Red Maple	58	Pole/Log	9	94
Quaking Aspen	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	Seeding
Balsam Poplar	High	5 - 10 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	Medium	5 - 10 feet	Sapling

**56** 6117 - Lowland Deciduous, Mixed Coniferous Sapling Poor 6.3 70 1-50 N/A

Portions of stand cut in "Corner Aspen Block" sale # 005-94 - cut July, 1997-Feb, 1998.

Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	45	Sapling/Pole	4	70
Balsam Fir	15	Pole/Sapling	5	
White Spruce	5	Pole	8	
Northern White Cedar	15	Pole	9	
Black Cherry	5	Sapling	1	25
Hemlock	2	Pole	9	
Red Maple	10	Sapling	1	25
White Pine	1	XLog	18	
Paper Birch	2	Sapling	2	25

Sub-Canopy Species	Density	Avg. Height	Size
Willow spp.	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling
White Spruce	Low	Variable	Sapling
Black Ash	Low	>20 feet	Pole
Ironwood	Low	5 - 10 feet	Sapling
Tag Alder	High	< 5 feet	Tall Shrub
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub

**57** 6120 - Lowland Cedar Sawtimber Well 32.6 105 81-110 N/A

Cedar with fir/spruce understory. Patches of thicker cedar also. Some fir, spruce removal cuts in the late 60's - early 70's. Mix of tamarack, fir, birch, white pine along old M-35. Some red maple, aspen, yellow birch, white birch on small interior ridges. Stand has intermittent black ash swales throughout.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/XLog	16	
Hemlock	2	Pole/Log	9	
Red Maple	5	Log/Pole	10	
White Pine	2	XLog	18	
Paper Birch	3	Pole	7	
Black Ash	2	Sapling/Pole	4	
Balsam Fir	4	Pole/Sapling	6	
Black Spruce	4	Sapling/Pole	4	
Northern White Cedar	65	Log/Pole/XLog	12	105
Tamarack	5	Pole/Log	9	
White Spruce	3	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Red Maple	Low	>20 feet	Sapling
Tag 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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**58** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 9.6 52 1-50 N/A Permit #9/69 - harvested fall, 1969 - Jan, 1970 and Dec,1970 - Jan,1971.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	3	Pole/Sapling	5	
Northern White Cedar	5	Pole/Log/Sap	7	
Red Maple	7	Sapling/Pole	4	52
Tamarack	30	Pole/Sapling	6	52
Paper Birch	7	Sapling/Pole	4	52
White Pine	10	Log/XLog	16	
Quaking Aspen	10	Pole	6	52
Balsam Poplar	10	Sapling	3	52
Balsam Fir	15	Pole/Sapling	6	52
Black Spruce	3	Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	>20 feet	Sapling
Tamarack	Low	10 - 20 feet	Sapling
White Pine	Low	>20 feet	Sapling
Tag Alder	Medium	10 - 20 feet	Tall Shrub
Balsam Fir	High	Variable	Sapling

**59** 4113 - R.Maple, Conifer Poletimber Medium 18.4 105 81-110 N/A "M-35 Hardwood" #004-06 (unit 1) - select cut fall, 2009. Low quality red maple; wet stand, which includes cedar which was left during harvest. Some aspen (retention) along west edge of stand. East portion of stand was never treated, due to heavier cedar component and access.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole/Sapling	5	
Northern White Cedar	10	Log/Pole	12	
Yellow Birch	2	Pole/Log	9	
Black Ash	2	Pole/Sapling	5	
Red Maple	61	Pole/Log	9	105
Hemlock	2	Log	14	
Paper Birch	2	Pole/Sapling	6	
Black Cherry	4	Pole	6	
Quaking Aspen	2	Pole	6	
Sugar Maple	2	Pole	7	
White Pine	5	XLog	24	
White Spruce	3	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	5 - 10 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
White Pine	Low	5 - 10 feet	Sapling
Yellow Birch	Trace	10 - 20 feet	Sapling
Black Cherry	Trace	10 - 20 feet	Sapling
Quaking Aspen	High	5 - 10 feet	Sapling

**60** 6119 - Mixed Lowland Deciduous Forest Sapling Medium 3.6 5 1-50 N/A 2021: Parker/CNN sale #32-027-16. Following treatment stand is a red maple and aspen sapling stand. Tag alder is competing with saplings.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	28	Sapling	1	5
White Pine	5	XLog	22	
Black Cherry	5	Pole/Sapling	6	
Balsam Fir	10	Sapling	2	5
Red Maple	50	Sapling	1	5
Northern White Cedar	2	Log	12	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>61</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	15.6	103	81-110	N/A	"M-35 Hardwood" #004-06 (unit 2) - thinned fall, 2009. Basal area varies widely in stand, with lowland areas having lower BA on average. Maple sprouts, seedling, and saplings present at inventory in 2024. Low to moderate amount of maple die-back seen at 2024 inventory as well. Some conifer left along old red line. Some TSI work (firewood cuttings) under C32-152 in Dec, 1980. Ground cover of club moss, princess pine.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	38	Log/Pole	11	103
Black Cherry	2	Log/Pole	11	
Red Maple	50	Log/Pole	12	103
Yellow Birch	2	XLog/Log	18	
Quaking Aspen	2	Pole	7	
Paper Birch	2	Pole	6	
White Pine	2	XLog/Log	20	
White Spruce	2	Log/XLog	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
White Spruce	Low	< 5 feet	Seeding
White Pine	Low	< 5 feet	Seeding
Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling

<b>62</b>	4139 - Aspen, Mixed Deciduous	Poletimber Well	4.9	43	81-110	N/A	Sale #002-80 - cut summer, 1980. Pole stand of aspen and red maple. Some yellow birch, black spruce.
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Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	10	Sapling/Pole	3	
Red Maple	35	Sapling/Pole	4	
White Spruce	5	Log	12	
Quaking Aspen	50	Pole/Sapling	5	43

<b>63</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	1.4	88	1-50	N/A	Small lowland stand against private lands. Stand contains pole cedar, black ash and red maple with some tamarack and black spruce mixed in.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	20	Pole/Sap/Log	5	
Balsam Poplar	10	Pole	7	
Northern White Cedar	25	Log/Pole	10	88
Balsam Fir	20	Pole/Sapling	7	
Black Spruce	20	Pole/Sap/Log	7	
Red Maple	5	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling

<b>64</b>	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	21.5	88	1-50	N/A	A lot of wet ground within; N/S drainage/flow. Stand is pole cedar and stunted black ash with some balsam fir and red maple mixed in, one pocket heavy to tamarack on the north end. Basal area is highly variable, with pickets of cedar exceeding 100 BA, and pockets of black ash under 40 BA. Old E/W grade cuts through stand with some balsam fir, small amount of black spruce, cedar north of grade cut under #40-74 (spring,1975) and aspen patch south of grade (along old hwy) cut under permit #2-80.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Pole	6	
Black Ash	20	Pole/Sap/Log	5	
Quaking Aspen	2	Sapling	4	43
Balsam Poplar	14	Pole	7	
White Spruce	4	Pole/Log	9	
Black Spruce	16	Pole	6	
Northern White Cedar	20	Log/Pole	10	88
Hemlock	2	Pole	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Tag Alder	High	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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<b>65</b>	4199 - Other Mixed Upland Deciduous	Sapling Medium	5.3	5	1-50	N/A	Stand was cut in 2019 (Parker CNN). 2021: Parker/CNN sale #32-027-16. Following treatment stand is a red maple and aspen sapling stand. Tag alder is competing with saplings.
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Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Sapling	1	5
Quaking Aspen	35	Sapling	1	5
Northern White Cedar	5	Pole/Log	8	
Black Spruce	5	Pole/Log	9	
Balsam Fir	5	Sapling	2	5

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	>20 feet	Sapling
Tag Alder	High	< 5 feet	Tall Shrub

<b>66</b>	6120 - Lowland Cedar	Poletimber Poor	167.5	92	81-110	N/A	Stand is highly variable and very wet ground. Mostly small cedar and small black ash poles, with some areas showing mostly tag alder and cattails. Portions of stand are very poorly stocked. Unproductive forest land. Small 1-2 acre portion cut with sale #009-06 along ridgeline.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	4	Pole/Log	8	
Balsam Poplar	4	Pole/Sapling	6	
Paper Birch	2	Pole/Sapling	6	
Black Ash	14	Pole/Sapling	5	
Balsam Fir	10	Pole/Sapling	5	
White Spruce	2	Pole/Log	9	
Black Spruce	6	Pole/Sapling	5	
Yellow Birch	2	Pole/Log	8	
Hemlock	2	Pole	8	
Red Maple	4	Pole	6	
Northern White Cedar	50	Pole/Log	8	92

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Tag Alder	High	5 - 10 feet	Tall Shrub
Black Ash	High	10 - 20 feet	Sapling
Balsam Fir	Medium	Variable	Sapling
Willow spp.	Medium	5 - 10 feet	Tall Shrub
Yellow Birch	Low	10 - 20 feet	Sapling
Balsam Poplar	Low	Variable	Sapling

<b>67</b>	6113 - Lowland Maple	Poletimber Poor	20.6	97	51-80	N/A	"Batter's Corner Block" #008-96 shelterwood cut - Dec., 1997. Lower grounds heavier to fir/aspens/red maple saplings with red maple poles interspersed throughout. Fairly mixed age classes. Left all cedar, white pine and hemlock.
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Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Log/Pole/XLog	12	
Yellow Birch	2	Log/XLog	16	
Balsam Fir	19	Pole/Sapling	6	26
Northern White Cedar	3	Log/Pole	10	
Red Maple	70	Pole	8	97
White Pine	1	XLog	20	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Black Cherry	Low	Variable	Sapling
Quaking Aspen	Medium	>20 feet	Sapling
Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Balsam Fir	High	Variable	Sapling

<b>68</b>	6119 - Mixed Lowland Deciduous Forest	Sapling Medium	9.0	5	1-50	N/A	Mix of slightly upland and lowland grounds along highway. Stand recently cut, aspen regeneration and red maple stump sprouts throughout, with balsam fir regeneration taking over in patches. Stand is mostly fully stocked, with patches being taken over by sedges, raspberry, and tag alder. Trace amount of cherry. Portion of stand was previously set-up and sold under permit #004-06, but was never cut, due to limited access and weather constraints. Sale was completed in 2019 (Parker CNN).
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Canopy Species	% Cover	Size Class	DBH	Age
White Pine	1	XLog	24	
Black Ash	2	Pole/Sapling	7	
Black Cherry	2	Pole	8	
Red Maple	47	Sapling	2	5
Sugar Maple	2	Pole	6	
Quaking Aspen	35	Sapling	2	5
Northern White Cedar	8	Log/Pole	10	
Yellow Birch	3	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Wild Red Raspberry	Low	5 - 10 feet	Tall Shrub
Mixed Sedges/Grasses	High	Unspecified	Non-Wood
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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**69** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Medium 11.8 105 81-110 N/A

"In Between Block" #009-96 - cut Feb - March, 1998. Shelterwood cut. Trace amount of white spruce, yellow birch, elm. Numerous large diameter, wildlife quality, maple present. Pockets of balsam poplar in lower areas.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	25	Pole/Sapling	5	26
Northern White Cedar	35	Pole	9	105
White Pine	2	XLog	24	
Hemlock	1	Log	14	
Black Cherry	5	Sapling/Pole	3	26
Yellow Birch	1	Pole/Log	9	105
Sugar Maple	1	Pole	7	
Red Maple	30	Pole	6	26

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	Medium	Variable	Sapling
White Spruce	Low	< 5 feet	Seeding
Balsam Fir	High	Variable	Sapling
White Pine	Low	Variable	Sapling
Black Cherry	Medium	Variable	Sapling
Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
Sugar Maple	Low	>20 feet	Sapling
Northern White Cedar	Trace	< 5 feet	Sapling
Red Maple	Medium	>20 feet	Sapling

SF 2024: split off from stand 27 (M8) to the east because this block was shelterwood treated and had much different stocking.

**70** 6112 - Lowland Aspen Sapling Well 4.0 37 1-50 N/A

T. sale #030-85 - cut 1986,87. Aspen pole stand. Some aspen growing slowly because of saturated soils.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	2	Sapling/Pole	4	
Red Maple	5	Sapling	4	
Black Ash	3	Pole	5	
Balsam Fir	5	Sapling	3	
Quaking Aspen	85	Sapling/Pole	4	37

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	>20 feet	Sapling
Black Cherry	Low	10 - 20 feet	Sapling
Balsam Fir	Medium	>20 feet	Sapling

**71** 4191 - Mixed Upland Deciduous with Conifer Sapling Well 3.2 27 1-50 N/A

Slightly upland knob cut under permit #009-96 (unit 4) "In Between Block" sale - Oct.-Nov. 1997. Scattered residual cherry, red maple poles (6-7" dbh).

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Sapling/Pole	4	27
Quaking Aspen	5	Sapling/Pole	4	27
Balsam Poplar	5	Sapling	3	
Balsam Fir	30	Sapling/Pole	4	27
Hemlock	2	XLog	20	
Black Cherry	20	Sapling	2	
Northern White Cedar	8	Pole/Log	8	

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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<b>72</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	8.6	105	81-110	N/A	"In Between Block" #009-96 - cut Feb - March, 1998. Shelterwood and select cut. Trace amount of white spruce, yellow birch, elm. Numerous large diameter, wildlife quality, maple present. Pockets of balsam poplar in lower, shelterwood cut areas.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		5	Pole/Log	9		Sugar Maple		Low	>20 feet	Sapling
Balsam Fir		2	Pole/Sapling	5		Red Maple		Medium	>20 feet	Sapling
Hemlock		2	Log	14		Balsam Poplar		Medium	Variable	Sapling
White Pine		2	XLog	24		Balsam Fir		High	Variable	Sapling
Black Cherry		7	Log/Pole	12		White Spruce		Low	< 5 feet	Seeding
Sugar Maple		3	Pole	7		White Pine		Low	Variable	Sapling
Northern White Cedar		4	Log/Pole	10		Black Cherry		Medium	Variable	Sapling
Red Maple		75	Log/Pole	11	105	Hazelnut (Beaked)		Medium	< 5 feet	Tall Shrub

<b>74</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	4.9	97	81-110	N/A	"In Between Block" #009-96 (unit 5, 10) - shelterwood and select cut Oct., 1997. Trace black ash along lower grounds. Not much maple regeneration noted at 2024 inventory.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		2	Log	11		Red Maple		Low	Variable	Sapling
Hemlock		2	Pole	9		Balsam Fir		Medium	Variable	Sapling
Black Cherry		4	Pole/Log	8		Black Cherry		Low	< 5 feet	Sapling
Quaking Aspen		12	Sapling	3	26	Sugar Maple		Low	Variable	Sapling
Balsam Poplar		10	Sapling/Pole	4	26					
Red Maple		40	Pole/Log	9	97					
Balsam Fir		15	Pole/Sapling	5						
Sugar Maple		15	Pole	7						

<b>75</b>	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.0	98	111-140	N/A	"In Between Block" #009-96 (unit7, 8) - shelterwood and select cut Sept, 1997. Also cut under permit #018-83-02 - some hdwd and all fir cut - fall, 1983 - spring, 1984. Interior of stand is more log-sized maple with moderate maple regeneraton saplings noted, and good maple seedling regeneration seen (heavy browse on regeneration less than 3' in height); trace conifers. Edges transition into pole-sized maple with more conifers, including hemlock patches, fir, black ash, and cedar. Also includes small tagalder swale.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Sugar Maple		40	Log/Pole	11	98	Balsam Fir		Medium	Variable	Sapling
Red Maple		45	Log/Pole/XLog	12	98	Maple (spp.)		Full	< 5 feet	Seeding
Balsam Fir		3	Pole/Sapling	6		Maple (spp.)		Medium	10 - 20 feet	Sapling
Northern White Cedar		2	Pole/Log	9						
Hemlock		10	Log	16						

<b>76</b>	110 - Low Intensity Urban	Nonstocked	1.1			No	Communication tower site and surrounding edges
Sub-Canopy Species		Density	Avg. Height	Size			
Quaking Aspen		Trace		Pole			
Red Maple		Low		Pole			
Black Cherry		Trace		Pole			
White Spruce		Trace		Pole			
Balsam Fir		Low		Pole			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**77** 6220 - Alder/willow Nonstocked 3.4 No dead snags/stumps; beaver influence area

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	Trace		Sapling
Quaking Aspen	Trace		Sapling
Tag Alder	Medium		Tall Shrub

**78** 4130 - Aspen Poletimber Well 16.1 37 51-80 N/A T. sale #030-85 - cut 1986-87 (with comp't 5)

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	1	Pole	5		Tag Alder	Low	5 - 10 feet	Tall Shrub
Sugar Maple	3	Sapling	4		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
White Spruce	1	Pole	9		Balsam Fir	Medium	Variable	Sapling
Quaking Aspen	70	Pole/Sapling	6	37	White Pine	Low	10 - 20 feet	Sapling
White Pine	2	Log	14		White Spruce	Medium	Variable	Seeding
Black Cherry	4	Sapling	3					
Balsam Fir	9	Pole	6	37				
Black Ash	5	Pole	5					
Paper Birch	5	Sapling/Pole	4					

**79** 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 56.7 111 81-110 N/A Thick and thin concentrations of C/H; some blowdown (mainly cedar). Trace amounts of WP (supercanopy), PB, BC and aspen.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	40	Pole/Log	9	111	Balsam Fir	Medium	>20 feet	Sapling
Hemlock	10	Log/Pole	10		White Spruce	Medium	>20 feet	Sapling
Balsam Fir	5	Pole/Sapling	5		Tag Alder	High	< 5 feet	Tall Shrub
White Spruce	10	Pole/Log	9		Black Ash	Medium	>20 feet	Sapling
Yellow Birch	5	Log/Pole	10					
Black Ash	25	Pole/Sapling	6					
Red Maple	5	Pole/Log	8					

**80** 4112 - Maple, Beech, Cherry Association Sawtimber Well 15.0 97 81-110 N/A 2021: This stand was thinned approximately in 2016. T. sale #007-94 "RA Hardwood" (unit 2) - cut May, June, 1994.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	XLog	30		White Spruce	Low	< 5 feet	Seeding
Black Cherry	2	Log	13		Balsam Fir	Low	Variable	Sapling
Sugar Maple	48	Log/Pole	10	97	Sugar Maple	Medium	>20 feet	Sapling
Yellow Birch	2	Log	14		Red Maple	Low	>20 feet	Sapling
Red Maple	40	Log/Pole	10					
Basswood	2	Log/XLog	16					
Balsam Fir	2	Pole	7					
White Spruce	2	Log	10					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**81**      6220 - Alder/willow      Nonstocked      4.9      Immature      No

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High		Tall Shrub
Black Ash	Medium		Pole
Balsam Fir	Low		Sapling
White Spruce	Low		Pole
Northern White Cedar	Low		Pole

**83**      6120 - Lowland Cedar      Poletimber Well      13.0      111      N/A

Ground cover of leatherleaf, grasses noted. Very little understory variability - most is greater than 10' hts.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10	Pole	9	
Hemlock	10	Log/Pole	10	
Red Maple	5	Pole	7	
Black Spruce	10	Pole	8	
Yellow Birch	5	Pole/Log	9	
Northern White Cedar	50	Pole	8	111
White Pine	10	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Black Spruce	Low	>20 feet	Sapling

**84**      6120 - Lowland Cedar      Poletimber Well      13.6      102      111-140      N/A

Ground cover of labrador tea, tagalder

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	10	Pole/Log	8	
Quaking Aspen	2	Log	12	
Tamarack	5	Pole/Log	9	
Paper Birch	2	Log	10	
Northern White Cedar	50	Pole/Log	9	102
White Pine	5	Log	16	
Yellow Birch	2	Log/Pole	12	
Black Ash	20	Pole/Sapling	5	
Red Maple	2	Pole/Log	9	
Hemlock	2	Log	11	

Sub-Canopy Species	Density	Avg. Height	Size
Labrador Tea	Medium	< 5 feet	Tall Shrub
Tag Alder	High	< 5 feet	Tall Shrub
Balsam Fir	Medium	Variable	Sapling

**85**      4139 - Aspen, Mixed Deciduous      Sapling Well      19.3      16      Immature      N/A

"Old Griz #2" sale #005-04 (unit 4) - cut in 2008. Mainly RM sprouts/clumps - fairly well-stocked.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Pole	8	
Black Ash	5	Sapling/Pole	4	
Quaking Aspen	50	Sapling	3	16
White Spruce	3	Pole	8	
Balsam Fir	5	Pole	6	
Red Maple	35	Sapling/Pole	1	16

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	< 5 feet	Seeding
Blackberry/Raspberry	Full	< 5 feet	Tall Shrub



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**86** 4112 - Maple, Beech, Cherry Association Poletimber Well 7.4 93 81-110 N/A "Old Griz #2" sale #005-04 (unit 2) - select cut Jan/Feb, 2008.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log/XLog	16		Black Cherry	Low	10 - 20 feet	Sapling
Hemlock	4	Pole/Log	8		Sugar Maple	Medium	Variable	Sapling
Sugar Maple	30	Pole/Log	8		Red Maple	Low	5 - 10 feet	Sapling
Red Maple	60	Pole/Log	9	93	Balsam Fir	Medium	Variable	Sapling
Paper Birch	2	Log/Pole	10		Paper Birch	Low	10 - 20 feet	Sapling
White Spruce	2	Log	12		Quaking Aspen	Low	10 - 20 feet	Sapling

**87** 4119 - Mixed Northern Hardwoods Poletimber Well 4.6 93 51-80 N/A T. sale #006-94 "Old Griz Block" (unit 1) - cut Sept., 1997. Basal area is low.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Pole	7		Maple (spp.)	Low	10 - 20 feet	Sapling
Hemlock	2	Log/Pole	10		White Pine	Low	10 - 20 feet	Sapling
Black Ash	10	Pole/Sapling	6		Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
Sugar Maple	35	Log/Pole	10		Balsam Fir	High	Variable	Sapling
Red Maple	35	Pole/Log	9	93	Quaking Aspen	Medium	>20 feet	Sapling
Balsam Fir	4	Pole	7					
Northern White Cedar	12	Log/Pole	10					

**88** 6120 - Lowland Cedar Poletimber Medium 9.9 102 51-80 N/A Primarily cedar with small pole cherry and black ash ash in patches.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	2	Pole	6		Tag Alder	High	< 5 feet	Tall Shrub
Balsam Fir	20	Sapling/Pole	4		Balsam Fir	High	10 - 20 feet	Sapling
White Spruce	10	Pole/Log	8					
Northern White Cedar	55	Pole	8	102				
Hemlock	4	Log/Pole	10					
Black Ash	5	Pole	7					
Red Maple	4	Pole	9					

**89** 4130 - Aspen Sapling Medium 26.3 25 51-80 N/A "Corner Aspen Block" sale # 005-94 - cut July, 1997-Feb, 1998. Small patch of hardwoods w/in SE corner of stand; select cut under same permit. Stand also contains interior patches/pockets of S/C/H and trace amounts of WP(supercanopy).

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	2	Sapling	2	25	White Spruce	Low	Variable	Sapling
Quaking Aspen	75	Sapling/Pole	4	25	Black Ash	Low	>20 feet	Pole
Hemlock	3	Pole	9		Ironwood	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole/Sapling	5		Hazelnut (Beaked)	Low	< 5 feet	Tall Shrub
Red Maple	3	Sapling	1	25	Tag Alder	Low	< 5 feet	Tall Shrub
Black Cherry	5	Sapling	1	25	Balsam Fir	Medium	Variable	Sapling
White Spruce	5	Pole	8		Willow spp.	Medium	5 - 10 feet	Tall Shrub
Northern White Cedar	2	Pole	9					



**Stand**      **Level 4 Cover Type**      **Size Density**      **Acres**      **Stand Age**      **BA Range**      **Managed Site**      **General Comments**

**90**      4119 - Mixed Northern Hardwoods      Sawtimber Medium      8.5      90      81-110      N/A      "Old Griz #2" sale #005-04 (unit 1) - select cut Jan., Feb, 2008

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	2	Pole	8		Blackberry/Raspberry	High	< 5 feet	Tall Shrub
Red Maple	54	Log/Pole	10	90	Red Maple	Medium	< 5 feet	Seeding
Paper Birch	5	Log/Pole	12		Balsam Poplar	Medium	5 - 10 feet	Sapling
White Spruce	2	Pole	8		Balsam Fir	Medium	Variable	Sapling
Balsam Fir	2	Pole	8		Maple (spp.)	High	< 5 feet	Seeding
Northern White Cedar	10	Log/Pole	10		White Spruce	Medium	Variable	Sapling
Sugar Maple	20	Pole/Log	9					
Hemlock	5	Log/Pole	10					

**91**      6220 - Alder/willow      Nonstocked      52.0      No      Open grass/sedge marsh areas with tagalder perimeter and tagalder with balsam fir/spruce/black ash connector patches. Un-named creek/drainage within. Many beaver dams observed.

Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	Low	10 - 20 feet	Sapling
Black Ash	Medium	10 - 20 feet	Pole
Balsam Fir	Medium		Pole
White Pine	Low		Log
Black Spruce	Medium		Pole
Tag Alder	High		Tall Shrub

**92**      4112 - Maple, Beech, Cherry Association      Poletimber Medium      2.7      93      51-80      N/A      Isolated patch of hardwood. (part of) "Old Griz Block" sale #006-94 (unit 2) - cut Sept, 1997. Balsam fir is impeding hardwood regeneration.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	4	Pole	9		Quaking Aspen	Medium	>20 feet	Sapling
Red Maple	50	Log/Pole	10	93	Balsam Fir	High	Variable	Sapling
Sugar Maple	30	Pole/Log	9					
Quaking Aspen	10	Sapling/Pole	2					
Balsam Fir	4	Pole	6					
White Spruce	2	Pole/Log	8					

**93**      6120 - Lowland Cedar      Poletimber Medium      7.3      112      81-110      N/A      Lowland conifers with tagalder, ash. Dead BF

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	6	Pole	6		Tag Alder	Full	5 - 10 feet	Tall Shrub
Black Spruce	10	Pole	7		Balsam Fir	Medium	10 - 20 feet	Sapling
Black Ash	20	Sapling	4		Black Spruce	Low	>20 feet	Sapling
Paper Birch	2	Log/Pole	10		Hazelnut (Beaked)	Medium	< 5 feet	Tall Shrub
Red Maple	10	Pole/Log	9		Black Ash	Medium	>20 feet	Sapling
Northern White Cedar	50	Pole/Sap/Log	7	112				
White Spruce	2	Log/Pole	10					





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>94</b>	6120 - Lowland Cedar	Poletimber Well	49.4	112	111-140	N/A	Mainly cedar poles and ash saplings within interior. Areas of slightly higher ground/narrow ridges, esp. along road edge, contain larger conifers. Pocket of tagalder, cattails, dead cedar along private.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Red Maple	2	Log/Pole	12			Tamarack	Low	< 5 feet	Seeding
	Hemlock	2	Log	10			Balsam Fir	Low	5 - 10 feet	Sapling
	Yellow Birch	2	Log/Pole	12			Black Ash	Medium	>20 feet	Sapling
	Black Ash	32	Sapling/Pole	4						
	Balsam Poplar	2	Pole/Log	8						
	Balsam Fir	2	Pole	7						
	White Spruce	2	Log/Pole	10						
	Quaking Aspen	2	Log	14						
	Tamarack	4	Pole	8						
	Northern White Cedar	50	Pole/Sap/Log	6	112					

<b>95</b>	4130 - Aspen	Sapling Well	23.7	18	Immature	N/A	"Mid 19 Mix" sale #006-04 (unit 1) - cut August, Sept., 2005. Retention of C,H,WP,YB. Some swales/low areas within (ash, cattails). Northern 2 acre patch in stand is regenerating to balsam fir, birch, cherry, and red maple.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Northern White Cedar	5	Pole/Log	8			Balsam Fir	Medium	5 - 10 feet	Sapling
	Hemlock	5	Log	12			Red Maple	Medium	< 5 feet	Sapling
	Red Maple	2	Pole/Log	8			Blackberry/Raspberry	Medium	< 5 feet	Tall Shrub
	Quaking Aspen	70	Sapling	3	18					
	Red Maple	18	Sapling	1	18					

<b>96</b>	4112 - Maple, Beech, Cherry Association	Poletimber Medium	8.6	90	81-110	N/A	"Mid 19 Mix" sale #006-04 (unit 4) - select cut August, 2005.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
	Paper Birch	3	Log/Pole	11			White Spruce	Low	Variable	Pole
	White Spruce	2	Pole/Log	8			Ironwood	Low	10 - 20 feet	Sapling
	Red Maple	45	Pole/Log	9	90		Maple (spp.)	Medium	>20 feet	Sapling
	White Pine	2	XLog/Log	18			Quaking Aspen	Medium	10 - 20 feet	Sapling
	Balsam Fir	2	Pole/Sapling	6			Blackberry/Raspberry	High	< 5 feet	Tall Shrub
	Northern White Cedar	2	Log/Pole	10			Balsam Fir	Medium	10 - 20 feet	Sapling
	Sugar Maple	40	Pole/Log	9						
	Black Cherry	2	Pole	6						
	Hemlock	2	Log/Pole	11						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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**97** 6120 - Lowland Cedar Poletimber Well 3.8 103 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	8	Pole/Sap/Log	6		Balsam Fir	Medium	Variable	Sapling
Black Cherry	2	Sapling/Pole	4		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Red Maple	6	Log/Pole	12					
Yellow Birch	4	Pole	7					
Balsam Fir	10	Pole/Sapling	7					
Black Spruce	10	Pole/Sapling	7					
Northern White Cedar	60	Pole/Log	8	103				

**98** 4112 - Maple, Beech, Cherry Association Poletimber Medium 5.0 90 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	2	Pole	7		Maple (spp.)	Low	>20 feet	Sapling
White Pine	2	XLog	22		Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	35	Pole/Log	9		Blackberry/Raspberry	High	< 5 feet	Tall Shrub
White Spruce	4	Log/Pole	10		White Spruce	Low	10 - 20 feet	Sapling
Northern White Cedar	3	Log/Pole	10		Balsam Fir	High	10 - 20 feet	Sapling
Sugar Maple	46	Pole/Log	8	90	Red Maple	Low	5 - 10 feet	Sapling
Black Cherry	2	Log	13					
Paper Birch	2	Pole	7					
Hemlock	4	Log/XLog/Pole	12					

"Mid 19 Mix" sale #006-04 (unit 3) - cut August, 2005. Stand was previously set-up as "Lost Boat Block" #004-94 (unit 2), but was never harvested. West part of stand is red maple on lower ground, and is heavier to cedar. Regeneration there is impeded by balsam fir, tag alder, grass. East part of stand is low quality upland northern hardwoods.

**99** 4130 - Aspen Poletimber Medium 15.0 32 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Poplar	10	Sapling	3		Black Spruce	Medium	Variable	Sapling
Balsam Fir	5	Pole/Sapling	5		Northern White Cedar	Medium	10 - 20 feet	Sapling
White Spruce	2	Pole/Sapling	6		Balsam Fir	High	Variable	Sapling
Black Spruce	5	Pole/Sapling	5		White Pine	Low	5 - 10 feet	Sapling
Northern White Cedar	5	Pole	7		White Spruce	Low	Variable	Sapling
Quaking Aspen	60	Sapling/Pole	4	32	Paper Birch	Medium	>20 feet	Sapling
Red Maple	5	Sapling/Pole	3		Willow spp.	Low	< 5 feet	Tall Shrub
White Pine	2	Log/Pole/XLog	10		Yellow Birch	Low	Variable	Sapling
Paper Birch	4	Sapling/Pole	4	32	Tag Alder	High	5 - 10 feet	Tall Shrub
Black Cherry	2	Sapling/Pole	3		Red Maple	Low	5 - 10 feet	Sapling
					Black Cherry	Low	Variable	Sapling

"Parker Spur West Block" #010-86 - cut 1990 - 1992. Higher ridges with upland aspen. Patchy clone regeneration and residual pockets of spruce/fir.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>100</b>	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Poor	7.2	32	1-50	N/A	"Parker Spur West Block" #010-86 - cut 1990 - 1992. Low ground. Heavier to tagalder, spruce, paper birch and cedar seedlings/saplings.
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	3	32
Black Spruce	15	Sapling	4	32
Paper Birch	15	Sapling	2	32
Balsam Fir	20	Sapling	4	32
Northern White Cedar	40	Sapling	2	32

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