Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32203
Entry Year: 2026
Acreage: 1,403
County: Marquette
Management Area: Michigamme Highlands

Stand Examiner: Rick Hill

Legal Description:

T49N-R26W, Sections 3-5, 9 & 10.

Identified Planning Goals:

Management goals range from maintaining timber production and wildlife habitat to protecting water quality. Recreation Values will be protected during any treatments as well.

Soil and topography:

The major soil associations are Garlic, Keweenaw, Dishno, Sauxhead, amongst many others. The primary soil types are sands, loams, loamy sands and sandy loams. Topography consists of rolling hills to moderately steep hills throughout. Bedrock glades and thin soils over bedrock are scattered throughout the compartment.

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

State land in this area is generally scattered, with heavy recreation use, high values to wildlife and fisheries, as well as rare natural communities. Land use in the area around the compartment consists of scattered homes, and small camps and off grid homes parcel sizes for these properties has shrunk over the years. Large parcels owned by TIMOs are also present and actively managed for timber production. This compartment is also adjacent to a large privately held parcel of land and historic lodge.

Unique Natural Features:

Most of this area was gifted to the State to protect the steelhead fishery in the Little Garlic River. The Little Garlic Falls is a popular hiking destination and a point of interest on the North Country Trail.

Archeological, Historical, and Cultural Features:

There are known concerns within the compartment. All proposed management activities have taken these concerns into consideration.

Special Management Designations or Considerations:

All management operations will take into consideration the protection of the Little Garlic watershed and it's tributaries.

Watershed and Fisheries Considerations:

The Little Garlic River is a very popular steelhead trout fishery in the spring and provides an excellent opportunity for fishermen.

Wildlife Habitat Considerations:

This compartment is found within the Michigamme Highlands Management Area, which is on an Outwash Plain in northern Marquette County. The State Forest covers about 3,800 acres and is somewhat scattered parcels. The dominant natural communities are dry northern forest. The major forest cover type is jack pine. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. The management priority in this area is to continue to provide these multiple benefits in a sustainable manner while minimizing user conflicts. Wildlife considerations in the Michigamme Highlands Management Area consist of managing jack pine habitat with strategies that more closely mimic natural fire disturbance regimes, to increase early successional jack pine management where appropriate while increasing stand size and striving to accommodate many species associated with xeric forest habitat is desirable. Some of the most significant wildlife management issues in the management area are mast (hard and soft); habitat fragmentation; within stand diversity; mature forest condition; mesic conifer; large open land complexes; and early successional forest.

The following have been identified as featured species for the Menominee-Marquette Management Area: Blackburnian Warbler, Black-throated Blue Warbler, Cerulean Warbler, Kirtland's Warbler, Red Crossbill, Black-backed Woodpecker, Spruce Grouse, Ruffed Grouse, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and coarse-textured glacial till in places thin to

discontinuous. The glacial drift thickness varies between 10 and 50 feet or there is insufficient data to determine the thickness. The Precambrian Jacobsville Sandstone and Archean Volcanics subcrop below the glacial drift. The Jacobsville was used as a building stone in the past. Gravel pits are not located in the area, but potential is possible. Section 21 was previously leased for metallic exploration and gold prospects were located in the vicinity. The lands are primarily surface only. There is no economic oil and gas production in the UP.

Vehicle Access:

County Road 550 provides good access to the Northeast portion of the compartment. Smaller two tracks provide further access into the central portions of this compartment.

Survey Needs:

Any needed survey requests will be submitted after treatments are approved.

Recreational Facilities and Opportunities:

The North Country Trail (NCT) provides an excellent and scenic hiking opportunity for both long distance though hikers as well as day hikes. A spur trail leads to the little garlic falls and hosts a NCT primitive camp site. The Little Garlic River is a popular trout stream that gets a considerable amount of use during the spring steelhead run. A parking lot and bathroom facility are located at CR 550 to accommodate these uses.

Fire Protection:

Fire occurrence has been low in this area due to the northern hardwood cover type. Though the bedrock glade areas are more prone to lighting fires. In the event of a wildfire the Ishpeming and Gwinn field stations would respond. Some areas of the compartment are suitable to standard tactics other areas world require hand work and pumps to suppress fires.

Additional Compartment Information:

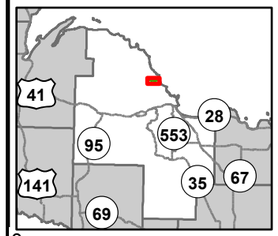
The following reports from the Inventory are attached:

- **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

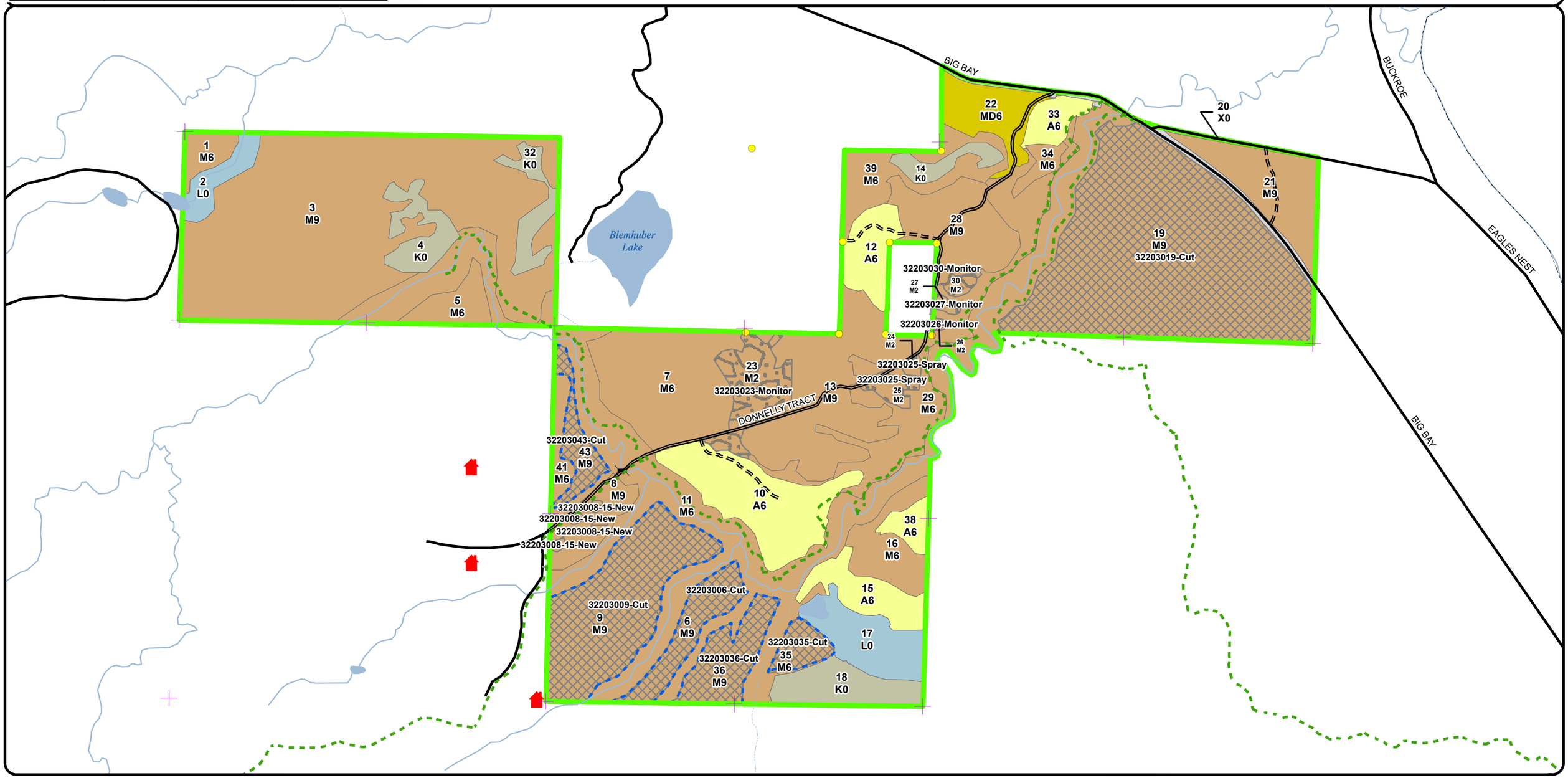


N

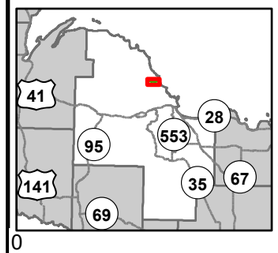
Compartment: 32203
T49N, R26W, Sec: 3-5, 9, 10
County: Marquette
Unit: Gwinn
Mgmt Area: Michigamme Highlands
YOE: 2026
Acres: 1402.8 GIS Calculated
Examiner: Rick Hill
Map Revised: 10/03/2024
Map Phase: Post Review

0 0.5 1 Miles

- Cabin
- Bridges
- Survey Grade Corners
- Remonumented Section Corners
- Designated Hiking Pathways
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Pesticide
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 110 - Low Intensity Urban
- 622 - Lowland Shrub
- 720 - Exposed Rock



Stand Boundary Map

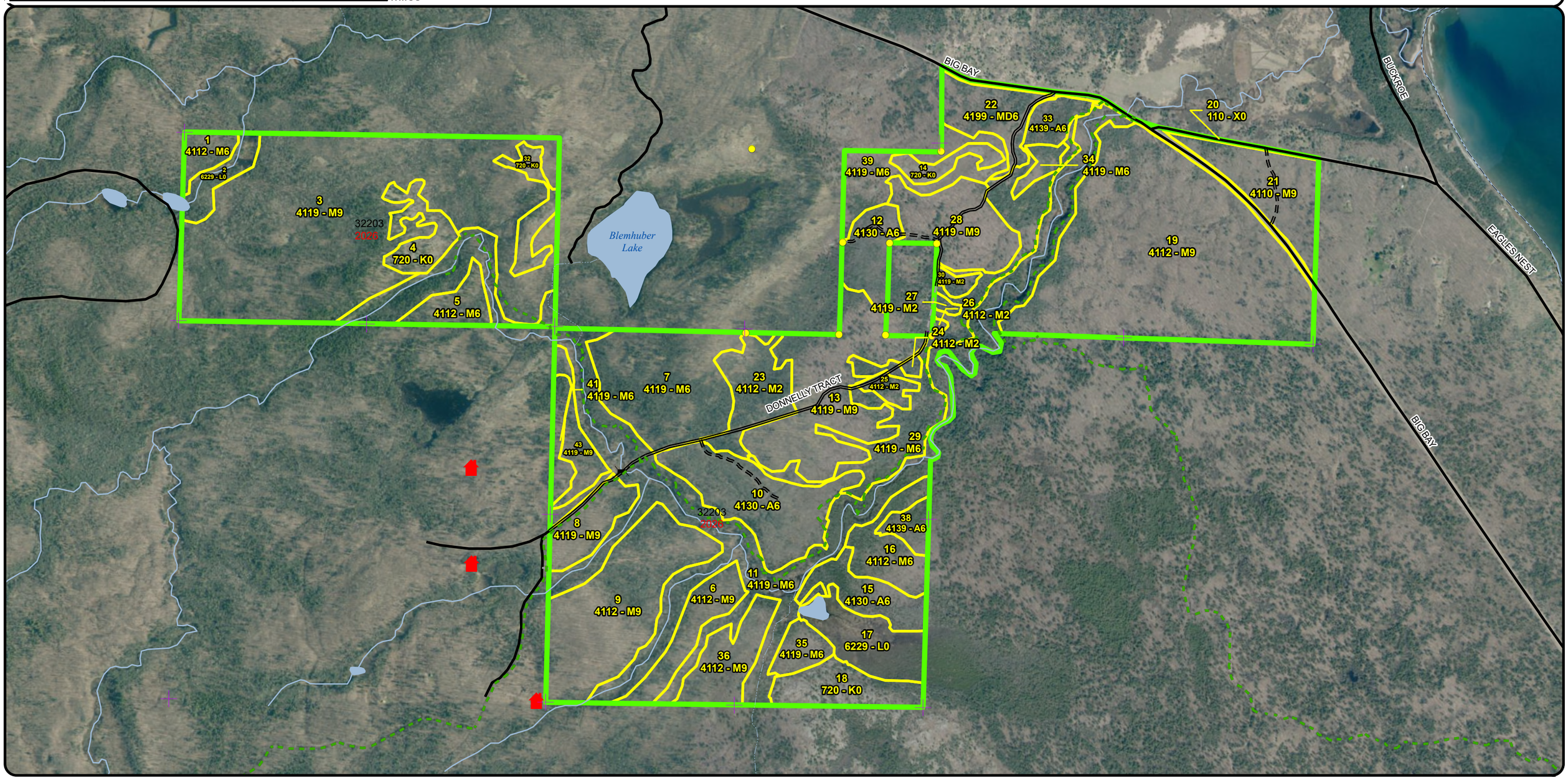


N

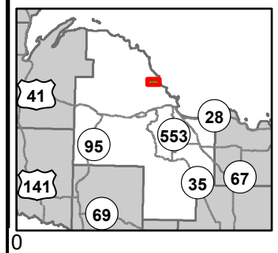
Compartment: 32203
T49N, R26W, Sec: 3-5, 9, 10
County: Marquette
Unit: Gwinn
Mgmt Area: Michigamme Highlands
YOE: 2026
Acres: 1402.8 GIS Calculated
Examiner: Rick Hill
Map Revised: 10/03/2024
Map Phase: Post Review

0 0.5 1 Miles

- Cabin
- Bridges
- Survey Grade Corners
- Remonumented Section Corners
- Designated Hiking Pathways
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 110 - Low Intensity Urban
- 622 - Lowland Shrub
- 720 - Exposed Rock



Special Conservation Areas & Site Conditions Map

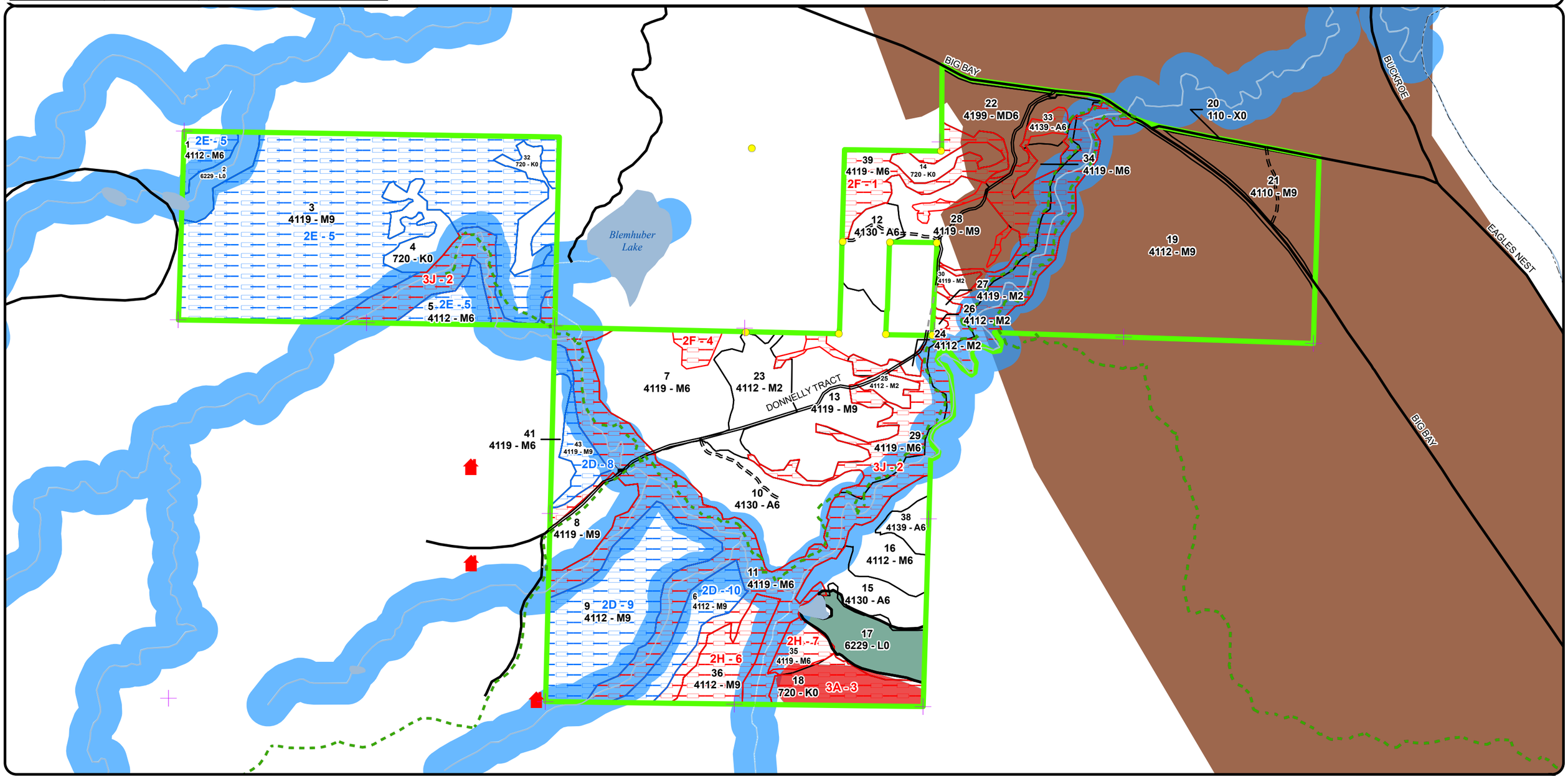


Compartment: 32203
T49N, R26W, Sec: 3-5, 9, 10
County: Marquette
Unit: Gwinn
Mgmt Area: Michigamme Highlands
YOE: 2026
Acres: 1402.8 GIS Calculated
Examiner: Rick Hill
Map Revised: 10/03/2024
Map Phase: Post Review

N

0 0.5 1 Miles

- Cabin
- Bridges
- Survey Grade Corners
- Remonumented Section Corners
- Designated Hiking Pathways
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers
- Cold Water Streams
- Compartment Boundary
- SCA
- Available w/ Constraints
- Unavailable
- 2D: Portable Bridge Needed (Dept. bridge will be adequate)
- 2E: Road needed
- 2F: Too steep
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
- High Priority Trout Stream Buffer
- Deer Winter Range
- Vernal Pool



Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit **Compartment 203** **Year of Entry 2026**

Rick Hill: Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	0	0	106	0	0	0	0	0	0	0	0	0	0	0	0	0	**106**
Exposed Rock	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**60**
Lowland Shrub	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**40**
Mixed Upland Deciduous	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	**23**
Northern Hardwood	0	39	0	0	0	0	0	0	0	107	21	994	0	0	0	0	0	0	**1161**
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**13**
Total	**113**	**39**	**0**	**0**	**106**	**0**	**0**	**23**	**0**	**107**	**21**	**994**	**0**	**0**	**0**	**0**	**0**	**0**	**1403**

Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 203

Total Compartment Acres: 1,403

Commercial Harvest - 264

Harvests with Site Condition - 0

Next Step Harvest - 0

Habitat Cut - 3

Cover Type by Harvest Method

		Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Northern Hardwood		3	265	0	0	0	0	0	0	0	**267**
	Total	**3**	**265**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**267**

Proposed and Next Step Treatments by Method

		Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current		267	0	0	0	0	0	0	0	0	**267**
Next Step		0	191	267	0	0	267	267	0	0	**993**
	Total	**267**	**191**	**267**	**0**	**0**	**267**	**267**	**0**	**0**	**1260**

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

Proposed Treatments:

6	**32203006-Cut**	20.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	91	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Cut using a group selection system. Mark stand to 70 SQ FT using complete marker as a guide. Retain all hemlock and Yellow Birch unless harvest is necessary for operations. Create gaps of .25-.75 acre in areas of advanced regeneration, intolerant species, or areas that look like they will support regeneration. Leave tops in gaps (When marking gaps mark trees with large bushy tops or forks with x's rather than a slash to denote that any material under 8 inches must be left within the gap). Consider planting of oak and white pine if regeneration of gaps fails. Gaps should cover around 10-20 percent of the treatment.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant; Pesticide, Skidder - Site Prep

Acceptable Regen: Maple, oak, white pine.

Other Comment: Road access though Hancock, Keith Beauchamp, Daniel Thill, and Robert Schieler's properties to a two track, if access is denied a road can be built though stand 8. Access will require 2 bridges. Ensure that temporary crossings are located in areas that minimize erosion into streams.

Site Condition: Portable Bridge Needed

Proposed Start Date: 10/1 /2025

8	**32203008-15-New**	2.8	4119 - Mixed Northern Hardwoods	Sawtimber Well	100	81-110	Harvest	Clearcut	411 - Northern Hardwood	Even-Aged	Yes

Prescription Specs: Cut gaps of .25-1 acre totaling no more than 3 acres in total. Place gaps in areas that will release advanced regeneration from last harvest. Ensure gaps and skid trails are not placed in areas that will require the harvest of hemlock and yellow birch.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant; Pesticide, Skidder - Site Prep

Acceptable Regen: maple, oak, white pine

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

9	**32203009-Cut**	73.4	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Cut using a group selection system. Mark stand to 70 SQ FT using complete marker as a guide. Retain all hemlock and oak unless harvest is necessary for operations. Create gaps of .25-.75 acre in areas of advanced regeneration, intolerant species, or areas that look like they will support regeneration. Leave tops in gaps (When marking gaps mark trees with large bushy tops or forks with x's rather than a slash to denote that any material under 8 inches must be left within the gap). Consider planting of oak and white pine if regeneration of gaps fails. Gaps should cover around 10-20 percent of the treatment.

Next Step Treatments: Planting, Initial Plant; Pesticide, Skidder - Site Prep; Monitoring, Natural Regen (Re-Inventory)

Acceptable Regen: Maple, oak, white pine

Other Comment: Road access though Keith Beauchamp's property to a two track, road will require a temporary bridge. if access is denied a road can be built though stand 8.

Site Condition: Portable Bridge Needed

Proposed Start Date: 10/1 /2025

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
19	32203019-Cut	191.1	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Even-Aged	No

Prescription Specs: Cut using a group selection system. Mark stand to 65 SQ FT using complete marker as a guide. Retain All hemlock, white ash, and yellow birch unless harvest is necessary for operations. Due to heavy deer yard use across portions of the stand refrain from using regeneration gaps during harvest. Target reserving 2-5 suitable seed trees per acre these trees should be released to improve crown and overall tree health and be marked so they are protected for long term seed production.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory); Planting, Unfurrowed; SitePrep, Trenching; Pesticide, Skidder - Site Prep

Acceptable Regen: Maple, basswood, oak, white pine, hemlock, cherry,

Other Comment: Evaluate for gap placement next entry period place gaps at that point in areas with robust advanced regeneration.

Site Condition:

Proposed Start Date: 10/1 /2025

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
23	32203023-Monitor	25.9	4112 - Maple, Beech, Cherry Association	Sapling Medium	4	Immature	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No

Prescription Specs: Regeneration seems lacking in areas check in 5 years to see if regeneration has filled in sufficiently stocked more open areas. If they are still large unforested areas use tools in next steps to plant a mix of oak and white pine to boost stocking to acceptable levels.

Next Step Treatments: Planting, Hardwood - Seedling; Other, Pre-Commercial Thinning - Hand; Other, ; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Site Prep; SitePrep, Trenching; Planting, Hardwood - Sapling

Acceptable Regen: Oak, white pine, red maple, sugar maple

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2029

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
25	32203025-Spray	6.9	4112 - Maple, Beech, Cherry Association	Sapling Medium	4	Immature	Pesticide	ERROR	411 - Northern Hardwood	Even-Aged	No

Prescription Specs: Spray for site prep in areas that have failed to regenerate. Not all of the stand will be treated. a drone flight or though walk of the stand will be needed when designating areas to spray. follow up spray with planting of a planting a mix of oak, white pine and other viable species that are available per TMS recommendation to boost stocking to acceptable levels.

Next Step Treatments: Planting, Hardwood - Seedling; Other, Pre-Commercial Thinning - Hand; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, ; Pesticide, Hand Application; SitePrep, Trenching; Planting, Hardwood - Sapling

Acceptable Regen: oak, white pine, red maple, sugar maple

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2029

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
26	32203026-Monitor	0.7	4112 - Maple, Beech, Cherry Association	Sapling Medium	4	Immature	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Even-Aged	No

Prescription Specs: Regen seems lacking in areas check in 5 years to see if regeneration has filled in sufficiently stocked more open areas. If they are still large unforested areas use tools in next steps to plant a mix of oak and white pine.

Next Step Treatments: SitePrep, Trenching; Planting, Hardwood - Seedling; Planting, Hardwood - Sapling; Seeding, Hand Seed; Pesticide, Skidder - Site Prep; Other, Pre-Commercial Thinning - Hand; Other, ; Monitoring, Artificial Regen(1yr); Monitoring, Artificial

Acceptable Regen: maple, aspen, birch, spruce, fir, white pine, oak, hemlock

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2029

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
27	32203027-Monitor	1.6	4119 - Mixed Northern Hardwoods	Sapling Medium	4	Immature	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No

Prescription Specs: Regen seems lacking in areas check in 5 years to see if regeneration has filled in sufficiently stocked more open areas. If they are still large unforested areas use tools in next steps to plant a mix of oak and white pine.

Next Step Treatments: SitePrep, Trenching; Planting, Hardwood - Seedling; Planting, Hardwood - Sapling; Pesticide, Skidder - Site Prep; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, ; Other, Pre-Commercial Thinning - Hand

Acceptable Regen: Maple, oak, spruce, fir, white pine, basswood, birch, aspen

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2028

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
30	32203030-Monitor	3.6	4119 - Mixed Northern Hardwoods	Sapling Medium	4	Immature	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Even-Aged	No

Prescription Specs: Regeneration seems lacking in areas check in 5 years to see if regeneration has filled in sufficiently stocked more open areas. If they are still large unforested areas use tools in next steps to plant a mix of oak and white pine to boost stocking to acceptable levels.

Next Step Treatments: Planting, Hardwood - Seedling; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commercial Thinning - Hand; Other, ; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Hardwood - Sapling

Acceptable Regen: Oak, White pine, red maple

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2028

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
35	32203035-Cut	9.1	4119 - Mixed Northern Hardwoods	Poletimber Well	100	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Cut using a group selection system. Mark stand to 80 SQ FT using complete marker as a guide. Retain all hemlock, white pine, and yellow birch unless harvest is necessary for operations. Create gaps of .25-.75 acre in areas of advanced regeneration, intolerant species, or areas that look like they will support regeneration. Leave tops in gaps. (When marking gaps mark trees with large bushy tops or forks with x's rather than a slash to denote that any material under 8 inches must be left within the gap). Consider planting of oak and white pine if regeneration of gaps fails.

Next Step Treatments: Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Mixed northern hardwood

Other Comment: Road access though Hancock, Keith Beauchamp, Daniel Thill, and Robert Schieler's properties to a two track, if access is denied a road can be built though stand 8. Access will require 4 bridges. Some new roads will be required to enter stand 35, 36. Some careful work will be needed to best site the crossing to minimize effects to riparian area and stream.

Site Condition: Blocked by Obstacle

Proposed Start Date: 10/1 /2025

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
36	32203036-Cut	23.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	100	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Cut using a group selection system. Mark stand to 80 SQ FT using complete marker as a guide. Retain all hemlock, white pine, and yellow birch unless harvest is necessary for operations. Create gaps of .25-.75 acre in areas of advanced regeneration, intolerant species, or areas that look like they will support regeneration. leave tops in gaps. (When marking gaps mark trees with large bushy tops or forks with x's rather than a slash to denote that any material under 8 inches must be left within the gap). Consider planting of oak and white pine if regeneration of gaps fails.

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory); Planting, Initial Plant; Pesticide, Skidder - Site Prep

Acceptable Regen: Maple, oak, white pine

Other Comment: Road access though Hancock, Keith Beauchamp, Daniel Thill, and Robert Schieler's properties to a two track. Some road building Though Hancock may be needed. access from stand 6 is likely not possible due to topo and erosion risks to water quality.

Site Condition: Blocked by Obstacle

Proposed Start Date: 10/1 /2025

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
43	32203043-Cut	12.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	100	111-140	Harvest	Group Selection	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Cut using a group selection system. Mark stand to 70 SQ FT using complete marker as a guide. Retain all hemlock, oak, white ash, and yellow birch unless harvest is necessary for operations. Create gaps of .25-.75 acre in areas of advanced regeneration, intolerant species, or areas that look like they will support regeneration. Leave tops in gaps (When marking gaps mark trees with large bushy tops or forks with x's rather than a slash to denote that any material under 8 inches must be left within the gap). Consider planting of oak and white pine if regeneration of gaps fails. Gaps should cover around 10-20 percent of the treatment.

Next Step Treatments: Other, Pre-Commercial Thinning - Hand; Other, ; Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Mixed northern hardwood

Other Comment: Access will require a new road with a temporary bridge.

Site Condition: Portable Bridge Needed

Proposed Start Date: 10/1 /2025

Total Treatment Acreage Proposed: **372.8**

Report 4 – Site Conditions

Gwinn Mgt. Unit

Rick Hill: Examiner

Compartment: 203

Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available	Dominant Site Conditions
	0	***0***	0	**Aspen**
8	8	***0***	0	**Exposed Rock**
12	12	***0***	0	**Lowland Shrub**
	0	***0***	0	**Mixed Upland Deciduous**
	0	***0***	0	**Northern Hardwood**
	0	***0***	0	**Urban**
20	20			Total Forested Acres
	100%			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**	**2F: Too steep**	27	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:							
2		**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	265	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:							
3		**Unavailable**	**3A: Conservation Values incompatible with harvest at this time**	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:							
4		**Unavailable**	**2F: Too steep**	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:							

5	**Available**	**2E: Road needed**	250	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
	Comments:						
6	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	24	2E: Road needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
	Comments: Crossing is not likely to be possible without extensive dirt work in riparian area which will hurt water quality.						
7	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	9	2E: Road needed	2D: Portable Bridge Needed (Dept. bridge will be adequate)	Unspecified	Unspecified
	Comments: Crossing is not likely to be possible without extensive dirt work in riparian area which will hurt water quality.						
8	**Available**	**2D: Portable Bridge Needed (Dept. bridge will be adequate)**	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	**Available**	**2D: Portable Bridge Needed (Dept. bridge will be adequate)**	73	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

10	**Available**	**2D: Portable Bridge Needed (Dept. bridge will be adequate)**	21	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

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

Comments

Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.0	100	111-140	N/A	The only management access available for this stand is though adjacent private land.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	10	Log/Pole	13	
Sugar Maple	60	Pole/Log	9	100
Red Maple	25	Pole/Log	9	
Balsam Fir	5	Pole	7	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
2	6229 - Mixed lowland shrub	Nonstocked	11.6		Unspecified	No	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
3	4119 - Mixed Northern Hardwoods	Sawtimber Well	227.7	100	111-140	N/A	Stand is quite steep in areas, with thin soils and exposed bed rock in scattered throughout. the stand also has drainages and wet areas mixed in. Quality varies depending on soil depth and moisture availability, with some areas being sugar maple log dominated to others being red maple and oak dominated.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	40	Pole/Log	9	100
Bigtooth Aspen	15	Pole	10	
Paper Birch	5	Pole	9	
Balsam Fir	5	Pole	7	
White Spruce	5	Pole	10	
Sugar Maple	30	Pole/Log	9	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
4	720 - Exposed Rock	Nonstocked	16.2		Unspecified	No	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Medium		Pole
Red Maple	Medium		Pole
Balsam Fir	Low		Pole

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	4112 - Maple, Beech, Cherry Association	Poletimber Well	13.2	100	111-140	N/A	Stand is quite steep in areas, with thin soils and exposed bed rock in scattered throughout. the stand also has drainages and wet areas mixed in. Quality varies depending on soil depth and moisture availability.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	30	Pole/Log	9	
Paper Birch	7	Pole	9	
Balsam Fir	3	Pole	7	
Hemlock	5	Log/Pole	13	
Red Maple	55	Pole/Log	9	100

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	Medium	< 5 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	20.9	91	111-140	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Log	14	
Hemlock	5	Log/Pole	13	
Sugar Maple	46	Log/Pole	12	91
Red Maple	35	Log/Pole	12	100
White Spruce	2	Log/Pole	10	
Quaking Aspen	2	Log/Pole	10	
Balsam Fir	2	Pole	7	
Yellow Birch	6	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Black Ash	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Hemlock	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole
Tag Alder	Low	5 - 10 feet	Tall Shrub

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4119 - Mixed Northern Hardwoods	Poletimber Well	63.0	100	81-110	N/A	Stand is quite steep in areas, with thin soils and exposed bed rock in scattered throughout. the stand also has drainages and wet areas mixed in. Quality varies depending on soil depth and moisture availability, with some areas being sugar maple log dominated to others being red maple and oak dominated.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Pole	8	
Sugar Maple	10	Pole	7	
Red Oak	10	Pole/Log	10	
White Spruce	3	Pole	8	
Red Maple	68	Pole/Log	8	100
Balsam Fir	7	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Red Oak	Low	5 - 10 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4119 - Mixed Northern Hardwoods	Sawtimber Well	18.9	100	81-110	N/A	Selectively harvested in 1999: TS# 22-96-01.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Pole/Log	9	100
Hemlock	10	Log/Pole	13	
White Ash	5	Pole/Log	9	
Quaking Aspen	3	Log	12	
Yellow Birch	7	Pole/Log	9	
Red Maple	25	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	73.4	100	111-140	N/A	Selectively harvested in 1999: TS# 22-96-01.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Log/Pole	12	100
Red Maple	25	Log/Pole	12	
Quaking Aspen	3	Pole/Log	10	
Hemlock	7	Log/Pole	13	
Red Oak	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	4130 - Aspen	Poletimber Well	49.5	35	81-110	N/A	Harvested in 1989: TS# 4-87.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	3	Pole/Sapling	6	
Sugar Maple	5	Sapling	3	
Quaking Aspen	78	Pole/Sapling	6	35
Balsam Fir	6	Sapling	3	
Red Maple	4	Sapling	3	
Red Oak	4	Log	10	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	4119 - Mixed Northern Hardwoods	Poletimber Well	193.9	100	111-140	N/A	Stand is made up of Little Garlic River, and Tributary's as well as vegetated buffer. Tree composition of the buffer varies some but is primarily northern hardwood with some low drainages entering the rivers as well. The North Country Trail (NCT) is located within the stand on both sides of the river in areas. A NCT campsite is located within the stand as well. If funding or the opportunity arises work could be done to improve water management on the Trail to reduce erosion. Work including armoring and/or bridge crossings of creeks or seasonal drainages would also be quite beneficial.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	6	Pole/Log	9	
Black Ash	2	Pole	7	
Quaking Aspen	4	Pole	10	
White Ash	5	Pole/Log	9	
White Spruce	5	Pole	9	
Northern White Cedar	3	Pole	8	
Sugar Maple	25	Pole/Log	9	
White Pine	3	Log	14	
Red Maple	35	Pole/Log	9	100
Hemlock	10	Log/Pole	13	
Balsam Fir	2	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole
Hemlock	Low	5 - 10 feet	Sapling
Black Ash	Low	10 - 20 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	4130 - Aspen	Poletimber Well	19.0	35	81-110	N/A	Harvested in 1989: TS# 5-87.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	83	Pole/Sapling	5	35
Red Oak	15	Pole/Log	10	
Balsam Fir	2	Pole	5	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	4119 - Mixed Northern Hardwoods	Sawtimber Well	70.9	86	81-110	N/A	Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood. Stand is not displaying thick regeneration this be due to proximity to deer wintering areas.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Log/Pole	10	86
Paper Birch	2	Pole/Log	10	
Basswood	8	Pole/Log	10	
White Ash	3	Pole/Log	10	
Yellow Birch	5	Pole/Log	9	
Quaking Aspen	2	Pole	10	
Sugar Maple	30	Log/Pole	12	
Hemlock	5	Log/Pole	14	
Red Oak	10	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	10 - 20 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	720 - Exposed Rock	Nonstocked	8.5		Unspecified	No	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low		Sapling
Red Oak	Medium		Sapling

15	4130 - Aspen	Poletimber Well	19.9	36	81-110	N/A	Stand regenerated following wind throw event in 1988.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Pole	7	36
Balsam Fir	10	Pole	7	
White Spruce	5	Pole	8	
Red Maple	15	Pole	8	
Sugar Maple	10	Pole	8	

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

16	4112 - Maple, Beech, Cherry Association	Poletimber Well	21.6	100	81-110	N/A	Stand suffered moderate to heavy wind throw in 1988.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	31	Pole/Log	9	
Paper Birch	2	Log/Pole	10	
Red Maple	50	Pole/Log	9	100
Balsam Fir	2	Pole	8	
White Spruce	2	Pole	8	
Yellow Birch	5	Pole/Log	9	
Bigtooth Aspen	8	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	10 - 20 feet	Sapling
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling

17	6229 - Mixed lowland shrub	Nonstocked	27.9		Unspecified	No	

Sub-Canopy Species	Density	Avg. Height	Size
Willow spp.	Low		Tall Shrub
Tag Alder	Medium		Tall Shrub

18	720 - Exposed Rock	Nonstocked	23.2		Unspecified	No	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low		Sapling
Red Oak	Medium		Sapling
Pin Cherry	Low		Tall Shrub

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4112 - Maple, Beech, Cherry Association	Sawtimber Well	191.1	100	111-140	N/A	Stand has been subject to several treatments from 1988 to 2003. Area suffered moderate wind throw in 1988.

Canopy Species	% Cover	Size Class	DBH	Age
White Spruce	3	Log/Pole/Sap	10	
Hemlock	10	Log/Pole	14	
White Ash	2	Pole/Log	8	
Yellow Birch	5	Log/Pole	14	
Red Maple	35	Log/Pole	12	
Sugar Maple	45	Log/Pole	12	100

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	110 - Low Intensity Urban	Nonstocked	12.6		Unspecified	No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
21	4110 - Sugar Maple Association	Sawtimber Well	34.6	100	81-110	N/A	Cut under Eagles Nest hrdwd (3212316) by Minerick Logging. Regeneration from harvest is lacking with a thick sedge layer in stand.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/Pole	10	
Hemlock	5	Log/Pole	12	
Red Maple	10	Log/Pole	12	
Sugar Maple	75	Log/Pole	12	100
Basswood	8	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Low	10 - 20 feet	Sapling
Northern White Cedar	Low	>20 feet	Pole
Hemlock	Low	>20 feet	Pole

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	4199 - Other Mixed Upland Deciduous	Poletimber Well	23.3	61	81-110	N/A	Stand is quite steep, with thin soils and exposed bed rock in areas. the stand also has drainages and wet areas mixed in. the bulk of the stand is not suited to uneven age management.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Pole	8	
Red Maple	15	Log/Pole	12	
Paper Birch	5	Log/Pole	10	
Bigtooth Aspen	5	Log/Pole	10	
Quaking Aspen	10	Log/Pole	10	
Balsam Fir	5	Pole	8	
Sugar Maple	35	Pole	8	61
Black Ash	5	Pole	8	
Red Oak	15	Log/Pole	12	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4112 - Maple, Beech, Cherry Association	Sapling Medium	25.9	4	Immature	N/A	Site is coming back somewhat spotty due to original tree make up and browsing. Open areas should be treated with herbicide and then planted to oak and white pine. Consider a pre commercial treatment to pick quality stems in red maple and sugar maple sprouts. Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Sapling	1	
Red Maple	45	Sapling	1	4
Balsam Fir	5	Sapling	1	
Black Cherry	10	Sapling	1	
Hemlock	15	Log	14	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	4112 - Maple, Beech, Cherry Association	Sapling Medium	1.6	4	Immature	N/A	Site is coming back somewhat spotty due to original tree make up and browsing. Open areas should be treated with herbicide and then planted to oak and white pine. Consider a pre commercial treatment to pick quality stems in red maple and sugar maple sprouts. Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Sapling	1	4
Balsam Fir	5	Sapling	1	
Sugar Maple	30	Sapling	1	
Hemlock	5	Log/Pole	12	
Quaking Aspen	10	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	4112 - Maple, Beech, Cherry Association	Sapling Medium	5.3	4	Immature	N/A	Site is coming back somewhat spotty due to original tree make up and browsing. Open areas should be treated with herbicide and then planted to oak and white pine. Consider a pre commercial treatment to pick quality stems in red maple and sugar maple sprouts. Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Sapling	1	4
Sugar Maple	30	Sapling	1	
Quaking Aspen	15	Sapling	1	
Hemlock	2	Log/Pole	12	
Balsam Fir	3	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	4112 - Maple, Beech, Cherry Association	Sapling Medium	0.7	4	Immature	N/A	Site is coming back somewhat spotty due to original tree make up and browsing. Open areas should be treated with herbicide and then planted to oak and white pine. Consider a pre commercial treatment to pick quality stems in red maple and sugar maple sprouts. Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	10	Sapling	1	
Balsam Fir	3	Sapling	1	
Bigtooth Aspen	3	Sapling	1	
Hemlock	4	Log	12	
Sugar Maple	30	Sapling	1	
Red Maple	50	Sapling	1	4

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
27	4119 - Mixed Northern Hardwoods	Sapling Medium	1.6	4	Immature	N/A	Site is coming back somewhat spotty due to original tree make up and browsing. Open areas should be treated with herbicide and then planted to oak and white pine. Consider a pre commercial treatment to pick quality stems in red maple and sugar maple sprouts. Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	45	Sapling	1	4
Sugar Maple	25	Sapling	1	
Paper Birch	3	Sapling	1	
Quaking Aspen	13	Sapling	1	
Bigtooth Aspen	5	Sapling	1	
Hemlock	4	Log/Pole	12	
Balsam Fir	5	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
28	4119 - Mixed Northern Hardwoods	Sawtimber Well	36.3	81	81-110	N/A	Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood. Hardwood regeneration is not present as of yet likely due to this stand being utilized as a winter deer yarding area.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Log/Pole	12	81
Yellow Birch	5	Pole/Log	9	
White Ash	3	Pole/Log	10	
Basswood	8	Pole/Log	10	
Red Oak	15	Log/Pole	13	
Paper Birch	2	Pole/Log	10	
Quaking Aspen	2	Pole	10	
Sugar Maple	25	Log/Pole	12	
Hemlock	5	Log/Pole	14	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling
Sugar Maple	Low	10 - 20 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	4119 - Mixed Northern Hardwoods	Poletimber Well	59.9	100	81-110	N/A	This stand is a mix of upland and some low areas, it has a number of seasonal drainages that flow off the highlands south to the Little Garlic River. The drainages and wet areas were excluded from the harvests done in in the 2015 year of entry. These areas are not conducive to active management due to their value to water quality.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	3	Log/Pole	10	
Yellow Birch	5	Log/Pole	12	
Bigtooth Aspen	3	Log	10	
White Ash	3	Pole/Log	10	
Northern White Cedar	2	Sapling	8	
Red Oak	5	Log/Pole	14	
Paper Birch	2	Pole/Log	10	
Red Maple	30	Log/Pole	12	100
Black Ash	3	Log/Pole	10	
Sugar Maple	25	Log/Pole	12	
Hemlock	5	Log/Pole	14	
Basswood	8	Log	14	
Balsam Fir	6	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Balsam Fir	Medium	10 - 20 feet	Sapling
Ironwood	Low	10 - 20 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4119 - Mixed Northern Hardwoods	Sapling Medium	3.6	4	Immature	N/A	Site is coming back somewhat spotty due to original tree make up and browsing. Open areas should be treated with herbicide and then planted to oak and white pine. Consider a pre commercial treatment to pick quality stems in red maple and sugar maple sprouts. Cut by Minerick Logging in 2019-2021 during early springs. cut under 32-102-16 Donnelly Tract Hardwood.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Sapling	1	
Hemlock	5	Log	10	
Quaking Aspen	15	Sapling	1	
Balsam Fir	5	Sapling	1	
Red Maple	60	Sapling	1	4

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
32	720 - Exposed Rock	Nonstocked	12.4		Unspecified	No	

Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	Low		Pole
Pin Cherry	Low		Tall Shrub
Red Maple	Low		Pole
Red Oak	Medium		Pole

33 4139 - Aspen, Mixed Deciduous — Poletimber Well — 10.1 — 36 — 51-80 — N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	8	
Quaking Aspen	41	Pole	8	36
Paper Birch	5	Log/Pole	10	
Red Oak	3	Log/Pole	12	
Red Maple	10	Pole	8	
Bigtooth Aspen	15	Pole	8	
Sugar Maple	10	Pole	8	
Black Ash	6	Pole	8	
Yellow Birch	5	Pole	8	

34 4119 - Mixed Northern Hardwoods — Poletimber Well — 5.5 — 100 — 81-110 — N/A

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	8	
Sugar Maple	50	Pole	8	100
Red Maple	15	Log/Pole	12	
Yellow Birch	5	Pole	8	
Red Oak	15	Log/Pole	12	
Paper Birch	5	Log/Pole	10	
Quaking Aspen	5	Log/Pole	10	

35 4119 - Mixed Northern Hardwoods — Poletimber Well — 9.9 — 100 — 111-140 — N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	2	Log/Pole	14	
Balsam Fir	2	Pole	7	
White Spruce	2	Pole	9	
Yellow Birch	2	Pole/Log	9	
White Pine	2	Log	14	
Sugar Maple	25	Log/Pole	10	
Quaking Aspen	12	Log/Pole	14	
Red Maple	53	Log/Pole	10	100

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Red Maple	Low	10 - 20 feet	Sapling
Hemlock	Low	5 - 10 feet	Sapling
Sugar Maple	Medium	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	4112 - Maple, Beech, Cherry Association	Sawtimber Well	23.9	100	111-140	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/Pole	12	
White Spruce	2	Log/Pole	10	
Balsam Fir	2	Pole	7	
Quaking Aspen	2	Log/Pole	10	
Red Maple	53	Log/Pole	13	100
White Pine	2	Log	14	
Sugar Maple	30	Log/Pole	12	
Red Oak	2	Log/Pole	14	
Hemlock	5	Log/Pole	13	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	4139 - Aspen, Mixed Deciduous	Poletimber Well	7.6	36	81-110	N/A	Stand suffered moderate to heavy wind throw in 1988.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole/Sapling	7	
Red Maple	20	Pole/Sapling	7	
Balsam Fir	10	Pole/Sapling	7	
Quaking Aspen	35	Pole/Sapling	7	36
Yellow Birch	5	Pole/Sapling	7	
Bigtooth Aspen	10	Pole/Sapling	7	
Paper Birch	5	Pole/Sapling	7	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling
Bigtooth Aspen	Medium	5 - 10 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Sugar Maple	High	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	4119 - Mixed Northern Hardwoods	Poletimber Well	27.1	100	51-80	N/A	Stand is quite steep, with thin soils and exposed bed rock in areas.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Log/Pole	12	
Yellow Birch	5	Pole	8	
Paper Birch	5	Log/Pole	10	
Quaking Aspen	5	Log/Pole	10	
Sugar Maple	50	Pole	8	100
Red Oak	15	Log/Pole	12	
Balsam Fir	5	Pole	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
41	4119 - Mixed Northern Hardwoods	Poletimber Well	8.4	100	81-110	N/A	Stand is quite steep, with thin soils and exposed bed rock in areas. the stand also has drainages and wet areas mixed in. the bulk of the stand is not suited to uneven age management.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Pole/Log	9	100
Quaking Aspen	3	Log	12	
Hemlock	10	Log/Pole	13	
Yellow Birch	7	Pole/Log	9	
White Ash	5	Pole/Log	9	
Red Maple	25	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling
Balsam Fir	Low	10 - 20 feet	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
43	4119 - Mixed Northern Hardwoods	Sawtimber Well	12.9	100	111-140	N/A	Stand requires a bridge for management access.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	43	Pole/Log	9	100
Hemlock	5	Log/Pole	13	
Quaking Aspen	3	Log	12	
White Ash	2	Pole/Log	9	
Red Maple	35	Pole/Log	9	
Red Oak	5	Log/Pole	12	
Yellow Birch	7	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	Sapling
Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling
Hemlock	Low	10 - 20 feet	Sapling