Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32213
Entry Year 2026
Acreage: 608
County Marquette
Management Area: Michigamme Highlands

Stand Examiner: Jacob Siler

Legal Description:

T48N, R29W, Sections 8 and 16.

Identified Planning Goals:

Regenerate and improve quality of hardwood stands.

Soil and topography:

Surface sediments consist of thin to discontinuous glacial outwash sand and gravel and postglacial alluvium. Topography ranges from relatively level creek bottoms, swamp conifer, tag alder with bog or marshlands to rugged upland with rock outcroppings and rocky soils. Deep ravines also exist along some of the drainages making for treacherous walking in some locations.

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

State ownership here is a scattered checkerboard arrangement surrounded and intermixed with large corporate forest holdings that are increasingly becoming private land holdings. Development is very limited with a few seasonal cottages or hunting camps widely distributed. Production of forest products along with hunting, trapping and fishing make up the land uses in this compartment.

Unique Natural Features:

Round Lake and the various outlet creeks of Wolf, Clear and Log Lakes come together to form the Middle Branch of the Escanaba River.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None.

Watershed and Fisheries Considerations:

The northern region of this compartment contains the Middle Branch Escanaba River and an unnamed stream, both of which serve as tributaries to Round Lake. The Middle Branch Escanaba River and the unnamed stream are designated Type 1 trout streams less than 50-ft wide and have a predicted mean July temperature of 57.0 °F (cold streams). 300-foot buffers are recommended for the Middle Branch Escanaba River and the unnamed stream in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

The southern region of this compartment contains Round Lake and Kipple Creek. Kipple Creek is a designated Type 1 trout stream less than 50-ft wide and has a predicted mean July temperature of 61.6 °F (cold stream). A 300-foot buffer is recommended for Kipple Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended to protect these areas in accordance with Best Management Practices.

A minimum 100-foot, plus 5 feet per 1% increase in slope, buffer is recommended for Round Lake to protect shoreland areas in accordance with Best Management Practices.

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 thin to discontinuous glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 100 and 200 feet or there is insufficient data to determine the thickness. Precambrian Archean Granite/Gneiss subcrops below the glacial drift. The Granite/Gneiss could be used for building or dimension stone. Gravel pits are located in the area, but potential appears to be limited. Abandoned iron mines are located to the south. This compartment was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

The Burma Road leading North from the Clowry grade (an abandoned or railroad siding) is the only access to this compartment. It is a very hilly narrow road that recently has been brushed and upgraded.

Survey Needs:

Survey will be needed if treatments are to be implemented.

Recreational Facilities and Opportunities:

No recreational development has occurred in this compartment. A portion of the Burma Road is used as a groomed snowmobile trail. Other activities include hunting, fishing, biking, trapping, prospecting, berry picking and moose watching!

Fire Protection:

This compartment is included within the normal fire protection area of the Ishpeming DNR field office with backup available as needed from other DNR units.

Additional Compartment Information:

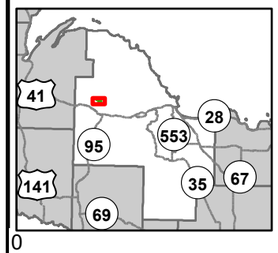
The following reports from the Inventory are attached:

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

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

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

Cover Type & Treatments Map

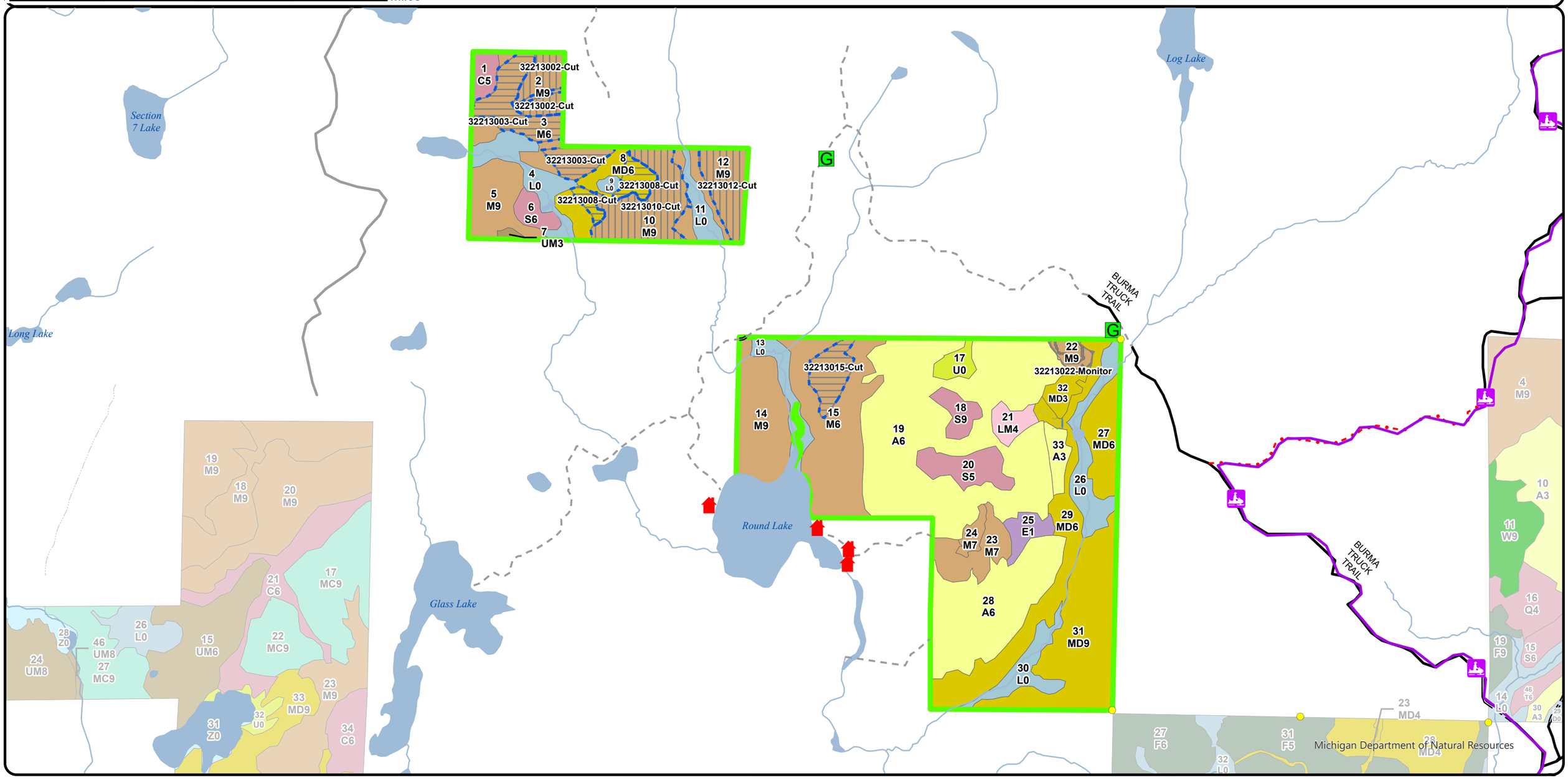


Compartment: 32213
T48N, R29W, Sec: 8, 16
County: Marquette
Unit: Gwinn
Mgmt Area: Michigamme Highlands
YOE: 2026
Acres: 608.5 GIS Calculated
Examiner: Jacob Siler
Map Revised: 08/14/2024
Map Phase: Web-Post

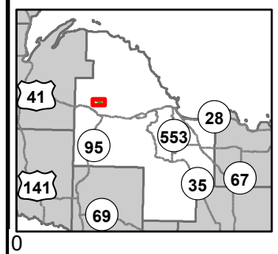
N

0 0.5 1 Miles

- Cabin
- Gate
- Culvert
- Survey Grade Corners
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Regeneration Survey
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 330 - Low Density Trees
- 622 - Lowland Shrub



Stand Boundary Map



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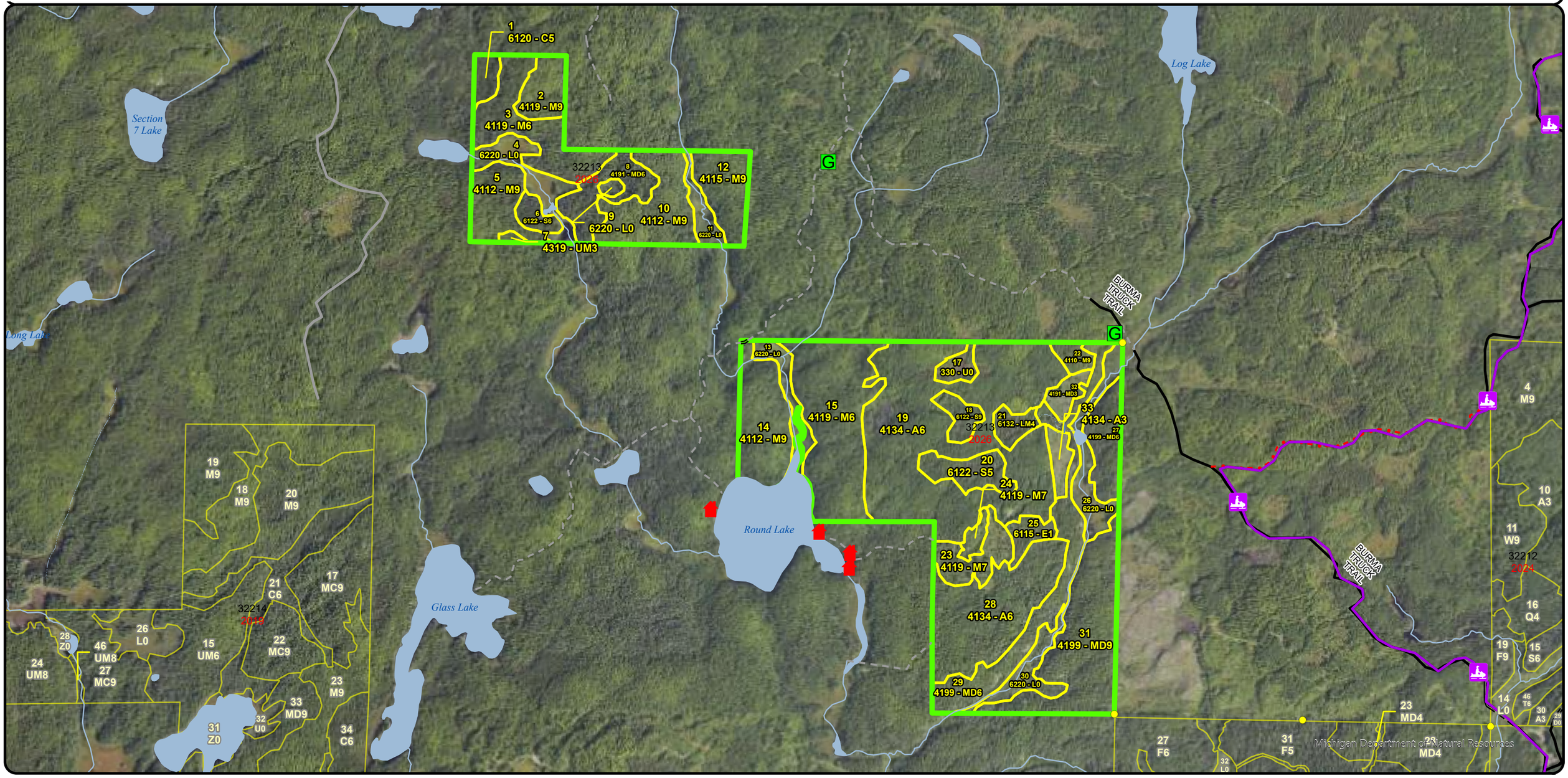
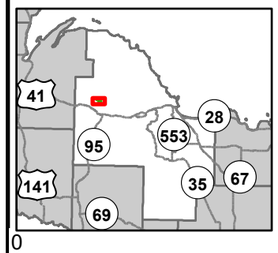


Special Conservation Areas & Site Conditions Map



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- Federal / State / County - Paved Road
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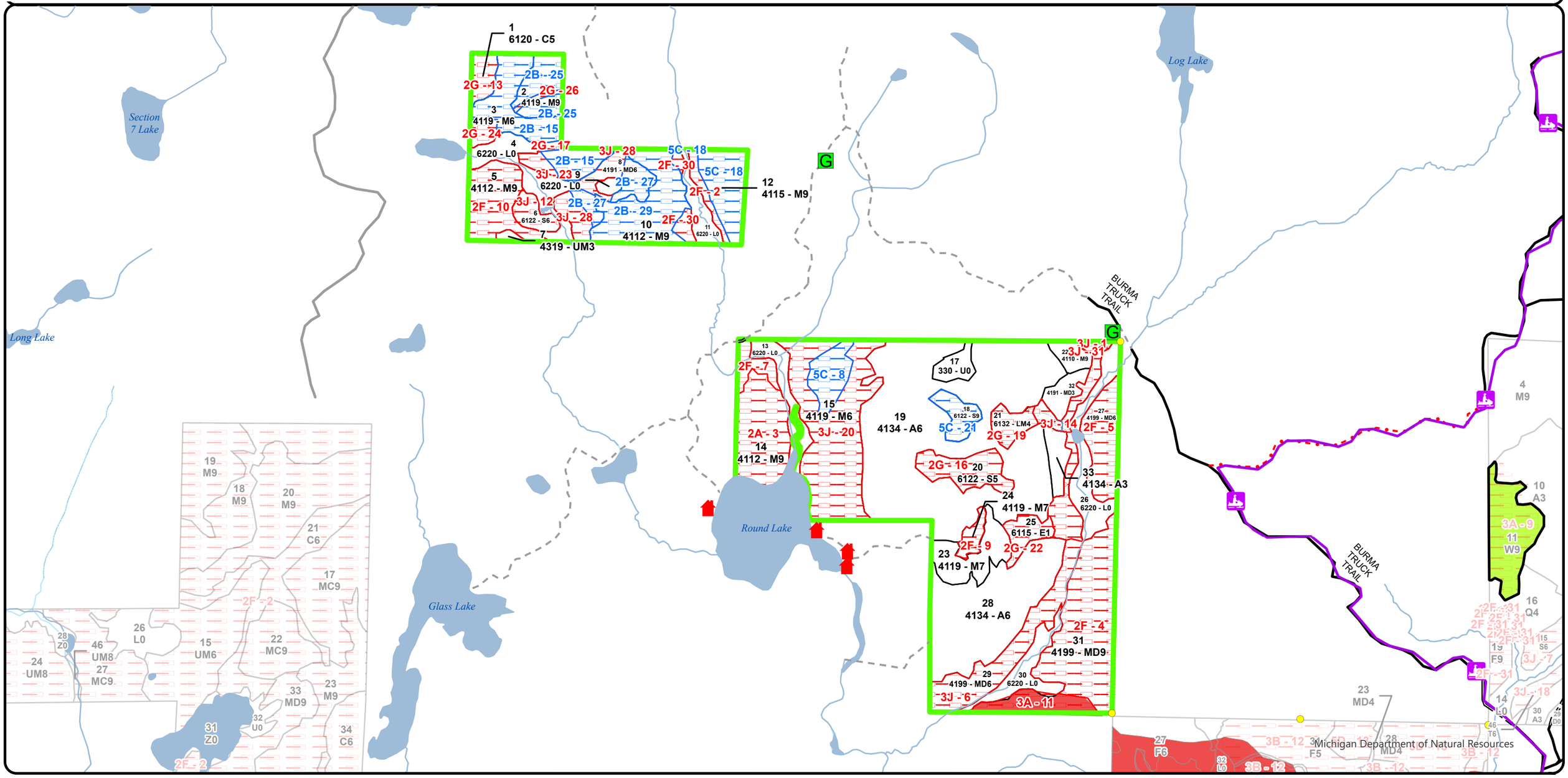
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Counties
- SCA
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Possible Type 2 Old Growth



Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit **Compartment 213** **Year of Entry 2026**

Jacob Siler : 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	5	0	169	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**174**
Cedar	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	**5**
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Lowland Deciduous	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	**6**
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	**6**
Lowland Shrub	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**58**
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	12	5	6	0	0	0	0	0	**23**
Mixed Upland Deciduous	0	5	0	0	0	0	0	0	0	32	86	0	0	0	0	0	0	0	**123**
Northern Hardwood	0	0	0	0	0	0	0	0	0	28	21	83	46	29	0	0	0	0	**207**
Upland Mixed Forest	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Total	**63**	**10**	**1**	**169**	**6**	**0**	**0**	**0**	**0**	**60**	**124**	**94**	**52**	**29**	**0**	**0**	**0**	**0**	**608**

Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2026

Acres of Harvest

Compartment 213

Total Compartment Acres: 608

Commercial Harvest -

Harvests with Site Condition - 88

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	8	0	0	0	0	0	0	0	0	**8**
Northern Hardwood	31	0	0	0	50	0	0	0	0	**81**
Total	**39**	**0**	**0**	**0**	**50**	**0**	**0**	**0**	**0**	**89**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	89	0	0	0	0	0	4	0	0	**93**
Next Step	0	0	0	0	0	0	89	0	0	**89**
Total	**89**	**0**	**0**	**0**	**0**	**0**	**93**	**0**	**0**	**181**

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:

2	**32213002-Cut**	10.6	4119 - Mixed Northern Hardwoods	Sawtimber Well	120	111-140	Harvest	Shelterwood	4119 - Mixed Northern Hardwoods	Even-Aged	No

Prescription Specs: Mark to a residual basal area of 30 to 50ftsq. Concentrate on leaving large maples and yellow birch. Favor leaving yellow birch over maple when possible. Leave all species represented. Do not cut pine, cedar, oak and hemlock. Exclude drainage.

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

Acceptable Regen: Maple, birch, aspen, pine, cedar, hemlock, and oak.

Other Comment: Dry summer/ winter harvest recommended. Drainage may need to be crossed for access.

Site Condition: Unknown Access

Proposed Start Date: 10/1 /2025

3	**32213003-Cut**	22.0	4119 - Mixed Northern Hardwoods	Poletimber Well	100	111-140	Harvest	Clearcut with Retention	4119 - Mixed Northern Hardwoods	Even-Aged	No

Prescription Specs: Cut all trees 2 inches and greater at DBH. Do not cut cedar, hemlock, oak, yellow birch and pine. No chipping. Excluded drainages and wet areas with sensitive soils. Utilize clumps or patches of trees 15 inches or greater when designating retention.

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

Acceptable Regen: maple, birch, aspen, balsam poplar, ash, pine, oak, hemlock, cedar

Other Comment: Dry summer or winter harvest recommended.

Site Condition: Unknown Access

Proposed Start Date: 10/1 /2025

8	**32213008-Cut**	7.6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	88	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No

Prescription Specs: Cut all trees 2 inches and greater at DBH. Do not cut pine, oak, cedar and hemlock. Buffer stream 300 ft.

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

Acceptable Regen: maple, aspen, balsam poplar, fir, spruce, pine, oak, cedar, hemlock

Other Comment: Exclude drainage and buffer stream.

Site Condition: Unknown Access

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
10	32213010-Cut	24.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	80	141-170	Harvest	Shelterwood	4115 - Y.Birch, Hemlock NH	Two-Aged	No

Prescription Specs: Mark to retain residual BA of 40 to 60sqft. Focus on leaving sugar maple, yellow birch, and black cherry. Leave residual of 80sqft within 100 ft of river. Do not cut pine, cedar and hemlock. No chipping.

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

Acceptable Regen: maple, cherry, pine, cedar, oak, birch and aspen

Other Comment:

Site Condition: Unknown Access

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
12	32213012-Cut	14.2	4115 - Y.Birch, Hemlock NH	Sawtimber Well	110	111-140	Harvest	Shelterwood	4115 - Y.Birch, Hemlock NH	Two-Aged	No

Prescription Specs: Low density shelterwood. Leave residual of 20 to 40sqft. Focus on leaving large sugar maple and yellow birch. Favor yellow birch over maple when possible. Leave residual of 80sqft within 100 ft of river. Do not cut pine, cedar and hemlock. No chipping. When designating retention area(s) leave patches or clumps with trees 15 inches or greater.

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

Acceptable Regen: maple, oak, aspen, cherry, pine, hemlock, cedar

Other Comment: Steep slope down to Middle Branch Escanaba River. Terrain and river buffer will provide areas of heavier stocking. Access will be through private timber company land. Due to terrain and operability treatment area will likely be further reduced.

Site Condition: Age-Class or Site Quality

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
15	32213015-Cut	9.4	4119 - Mixed Northern Hardwoods	Poletimber Well	105	111-140	Harvest	Clearcut with Retention	4119 - Mixed Northern Hardwoods	Even-Aged	No

Prescription Specs: Cut all trees 2 inches and greater at DBH. Do not cut pine, cedar, hemlock, and yellow birch. No chipping. Leave retention area with trees 15 inches or greater. Retention area should be a single patch.

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

Acceptable Regen: Maple, pine, aspen and birch

Other Comment: Buffer river to the west 300ft.
Winter or dry summer recommended

Site Condition: Age-Class or Site Quality

Proposed Start Date: 10/1 /2025

Approved Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
22	32213022-Monitor	4.2	4110 - Sugar Maple Association	Sawtimber Well	98	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Uneven-Aged	No

Prescription Specs: Monitor

Next Step Treatments:

Acceptable Regen: aspen, maple, cherry, yellow and paper birch, ironwood, balsam fir, white spruce, hemlock, white pine and red pine.

Other Comment: Percent to Treat = 100%

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

Site Condition

Proposed Start Date: 1 /12/2036

Total Treatment Acreage Proposed: **92.7**

Report 4 – Site Conditions

Gwinn Mgt. Unit

Jacob Siler : Examiner

Compartment: 213

Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions *2B*	*5C*	2A	2F	2G	3A	3J
174	174	***0***	0	**Aspen**					0		
5	0	***0***	5	**Cedar**					5		
5	5	***0***	0	**Low-Density Trees**							
6	0	***0***	6	**Lowland Deciduous**					6		
6	0	***0***	6	**Lowland Mixed Forest**					6		
58	57	***0***	0	**Lowland Shrub**						0	
23	0	***6***	17	**Lowland Spruce/Fir**		***6***			12		5
124	5	***8***	111	**Mixed Upland Deciduous**	***8***			56		9	46
207	18	***82***	108	**Northern Hardwood**	***58***	***24***	23	32	5		47
1	1	***0***	0	**Upland Mixed Forest**							
608	261	***95***	252	Total Forested Acres	***66***	***30***	23	88	34	9	98
	43%	***16%***	41%	Relative Percent							

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	1	2F: Too steep	5E: Long-Term Retention	Unspecified	Unspecified
	Comments: Left this island of the hardwood stand uncut due to a stream and steep ground.						
2	**Unavailable**	**2F: Too steep**	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	**Unavailable**	**2A: Adjacent landowner denied access**	23	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments:						

4	**Unavailable**	**2F: Too steep**	41	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

This is a very rough stand. Harvestable acres is small. Access is very poor. A road has been built on timber company land to the east but it ends a quarter mile from this stand. The terrain between the haul road and this stand is also very difficult to navigate with multiple bluffs and drains.

5	**Unavailable**	**2F: Too steep**	15	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Company cut to the east and built road up to the edge of this stand. However, most of this stand is on a steep slope and only a few acres <2 are harvestable once slope and BMP's are factored into the treatment.

6	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	22	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Steep hillside that slopes down to the creek below. Too steep to harvest.

7	**Unavailable**	**2F: Too steep**	5	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

rock bluff

8	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	9	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified

Comments:

Small acreage and access make harvesting this small portion of the stand not financially feasible at the moment. It would be best suited to harvest this stand if access can be secured to other nearby stands.

9	**Unavailable**	**2F: Too steep**	3	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Rock bluff. Cannot harvest within this stand.

10	**Unavailable**	**2F: Too steep**	18	2E: Road needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified

Comments:

Private property was cut adjacent to this stand 15 to 20 years ago. However, once you get onto state land there are several large rock outcroppings and it gets quite steep. A good portion of this stand wouldn't be operable and is better left as is.

11	**Unavailable**	**3A: Conservation Values incompatible with harvest at this time**	9	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

ERA: "Pesheke Highlands" Dry-Mesic Northern Forest

12	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	5	2B: Unknown if access through adjacent landowner(s) is possible	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified

Comments:

This stand borders a stream that has some beaver activity. Once the stream is buffered it doesn't leave a lot to cut. Additionally, beaver activity has caused water to be backed up adjacent to the stand and is starting to impact the amount of soil moisture in the stand.

13	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	5	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

14	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	14	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified

Comments:

15	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	23	2E: Road needed	Unspecified	Unspecified	Unspecified

Comments:

16	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	12	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

17	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Drainage

18	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	14	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified

Comments:

Small acreage and access make harvesting this small portion of the stand not financially feasible at the moment. It would be best suited to harvest this stand if access can be secured to other nearby stands.

19	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	6	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

20	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	45	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

21	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified

Comments:

A majority of this stand can be cut. However, it's not practical to treat this stand by itself, given its location, size and stand access. Look at cutting this stand with surrounding aspen when ready. Probably best cut as an optional scaled unit.

22	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	6	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

23	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	2	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

24	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	3	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

25	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	11	2E: Road needed	Unspecified	Unspecified	Unspecified

Comments:

26	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Drainage						
27	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	8	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments:						
28	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
29	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	25	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments:						
30	**Unavailable**	**2F: Too steep**	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
31	**Unavailable**	**3J: Water quality / BMPs (stream, river, or lake)**	0	2G: Too wet (sensitive soils, does not include access issues)	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.
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	6120 - Lowland Cedar	Poletimber Medium	5.1	98	111-140	N/A	Stand of swamp conifer of poor quality. West side of stand contains low density pole sized cedar with very nice cedar regeneration underneath. Southern end of stand has more black spruce but a lot of it is infected with mistletoe. I sent Bob Heyd coordinates for the mistletoe area so he could put it on the GDSE. (2014)

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	10	Log/Pole	11	
Northern White Cedar	80	Pole	9	98
Black Spruce	10	Pole	8	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
2	4119 - Mixed Northern Hardwoods	Sawtimber Well	11.5	120	111-140	N/A	Trace white pine and cedar. Steep hills on west and south side. some large 18+ inch yellow birch and maple should be good seed source.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Log/Pole	11	120
Paper Birch	5	Log/Pole	13	
Yellow Birch	15	Log	14	
Red Maple	29	Pole	9	
Red Oak	1	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	Variable	Sapling
Sugar Maple	Low	Variable	Sapling
Balsam Fir	High	Variable	Sapling
White Pine	Low	Variable	Sapling
Ironwood	Low	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
3	4119 - Mixed Northern Hardwoods	Poletimber Well	29.2	100	111-140	N/A	Trace amount of cherry, cedar and tamarack. Lower quality stand.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	1	Pole	8	
White Spruce	2	Log/Pole	10	
Yellow Birch	2	XLog/Log	18	
Paper Birch	15	Log/Pole	11	
Quaking Aspen	10	Log	14	
Black Spruce	10	Log/Pole	10	
Red Maple	52	Pole/Log	9	100
Sugar Maple	8	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Sapling
Red Maple	Medium	Variable	Sapling
Balsam Fir	High	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
4	6220 - Alder/willow	Nonstocked	14.9		Unspecified	No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	17.7	120	111-140	N/A	Trace amount of oak and cedar. Very rocky larger diameter trees on west side sloping into wetter smaller diameter trees.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	2	Log/Pole	10	
Yellow Birch	3	XLog/Log	18	
Red Maple	29	Pole	10	
Paper Birch	5	Log/Pole	11	
White Pine	1	XLog/Log	18	
Sugar Maple	60	Log/Pole	15	120

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	6122 - Black Spruce	Poletimber Well	5.1	103	81-110	N/A	Black spruce mixed with tamarack. Stand is starting to break up but is still quite healthy.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	80	Log/Pole	10	103
Tamarack	20	Pole/Log	11	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4319 - Mixed Upland Forest	Sapling Well	1.0	15	Immature	N/A	Stand consists of a small clearcut. Adjacent landowner had their property cut as well in what appears to be the same time. I am not sure if this was a trespass but the cut appears to be at least 5-10 years ago. I could not find control nearby to verify if the compartment boundary should be moved further North. (2014) I looked for a nearby corner and couldn't find anything. (2024)

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Sapling	2	15
Balsam Fir	50	Sapling/Pole	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	17.2	88	81-110	N/A	Lower quality stand.

Canopy Species	% Cover	Size Class	DBH	Age
Tamarack	2	XLog/Log	14	
Black Spruce	17	Log/Pole	10	
Paper Birch	15	Log	12	
Quaking Aspen	1	XLog/Log	14	
Balsam Fir	10	Pole	8	
Northern White Cedar	2	Log/Pole	10	
White Spruce	5	Pole/Log	10	
Black Ash	2	Log/Pole	10	
Sugar Maple	5	Log/Pole	11	
Black Cherry	1	Log	11	
Red Maple	40	Log/Pole	10	88

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	Variable	Sapling
Tag Alder	Low	Variable	Tall Shrub
Red Maple	Medium	Variable	Sapling
Balsam Fir	High	Variable	Sapling
Northern White Cedar	Trace	< 5 feet	Seeding

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	6220 - Alder/willow	Nonstocked	1.5			No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	27.9	80	141-170	N/A	Area quite rugged with poor access. Stand is growing on rock outcrops. Trace amount of white pine, aspen and cedar. Some large 18+ maple that should be good seed source.

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	10	Log/Pole	12	
White Spruce	5	Log	12	
Red Maple	13	Log/Pole	11	
Black Cherry	2	Log/Pole	11	
Sugar Maple	70	Log/Pole	10	80

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Sapling
Sugar Maple	Low	< 5 feet	Seeding
Balsam Fir	High	Variable	Sapling
Sugar Maple	Medium	10 - 20 feet	Sapling
White Spruce	Low	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	6220 - Alder/willow	Nonstocked	6.7		Unspecified	No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	4115 - Y.Birch, Hemlock NH	Sawtimber Well	17.5	110	111-140	N/A	Stand of poorer quality sugar maple and yellow birch. Rocky. Steep slope down to the Middle Branch Escanaba River. Trace amount of large cherry. Some large 18+ maple that should be good seed source.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	20	Log/XLog	16	
White Pine	5	XLog/Log	20	
Red Maple	28	Log/Pole	12	
Sugar Maple	39	Log/Pole	13	110
White Pine	5	XLog	24	
Northern White Cedar	1	Log/XLog	15	
Paper Birch	2	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Sugar Maple	High	>20 feet	Sapling
White Pine	Low	< 5 feet	Seeding
White Spruce	Low	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	6220 - Alder/willow	Nonstocked	9.1		Unspecified	No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	4112 - Maple, Beech, Cherry Association	Sawtimber Well	28.3	114	111-140	N/A	Stand is growing on numerous hills. Poorer quality hardwood. Private road touches northwest corner of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	3	XLog	20	
Black Cherry	11	Log	11	
Yellow Birch	5	Log	14	
Northern White Cedar	2	Log/Pole	10	
Red Maple	32	Log/Pole	12	
Paper Birch	3	Log	13	
Sugar Maple	44	Log/Pole	12	114

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Sapling
Sugar Maple	Low	Variable	Sapling
White Pine	Trace	< 5 feet	Seeding

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	4119 - Mixed Northern Hardwoods	Poletimber Well	54.1	105	111-140	N/A	Mixed stand of poorer quality white birch, maple and aspen. A thick understory of balsam fir exists. Stand is falling apart due to age. Rocky ground, some areas of large house sized boulders. Some top dieback occuring in maple. Stand is on a series of East/West ravines with drainages on the bottom. Trace amount of white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Pole	9	
Black Cherry	1	Log	10	
Paper Birch	10	Log/Pole	12	
White Spruce	1	Log/XLog	14	
Red Maple	40	Pole	9	105
Tamarack	2	Log	10	
Black Spruce	2	Log/Pole	10	
Northern White Cedar	2	Log/Pole	10	
Quaking Aspen	10	Log	14	
Balsam Fir	5	Pole	9	
Yellow Birch	2	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Full	Variable	Sapling
Red Maple	Medium	>20 feet	Pole
White Spruce	Medium	>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
17	330 - Low-Density Trees	Nonstocked	4.7		Immature	No	Large beaver dam on west side has flooded out this stand. Primarily just standing dead timber now.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	6122 - Black Spruce	Sawtimber Well	6.1	110	81-110	N/A	Area of low ground that was excluded from the last timber sale. South side of stand borders bottom of long cliff. Lots of Rock with only a few practical access points. North side has more cedar. 1 upland rock with a few aspen. Some of this could be cut, but cedar areas are best left as is. Trace amount of yellow birch.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Quaking Aspen	2	Log	13	
Tamarack	15	Log/Pole	10	
White Pine	1	Log	15	
Northern White Cedar	15	Pole	8	
Black Spruce	62	Log/Pole	10	110

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Low	Variable	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Northern White Cedar	Low	< 5 feet	Seeding
Black Ash	Low	Variable	Sapling
White Pine	Trace	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4134 - Aspen, Spruce/Fir	Poletimber Well	121.0	24	Immature	N/A	Stand was cut in 1999. OI notes say that good scarification occurred during the sale. As a result a broad mix of species exist. Nice regeneration with a mix of species.Trace amounts of white pine and red pine sapling/ poles. Trace amount large of hemlock, yellow birch, and red oak. A few small areas, 1-2 acres, of larger maple.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	25	Pole/Sapling	5	
Sugar Maple	1	Log/XLog	13	
Red Maple	1	Log/XLog	13	
Red Maple	15	Sapling/Pole	4	
Sugar Maple	5	Sapling/Pole	4	
Quaking Aspen	43	Pole/Sapling	5	24
Paper Birch	5	Sapling/Pole	4	
Balsam Poplar	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	Variable	Sapling
Sugar Maple	Low	Variable	Sapling
Red Maple	High	Variable	Sapling
Balsam Fir	High	Variable	Sapling
Tag Alder	Trace	5 - 10 feet	Tall Shrub
Northern White Cedar	Trace	Variable	Sapling
White Pine	Trace	Variable	Sapling
Quaking Aspen	Medium	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	6122 - Black Spruce	Poletimber Medium	11.9	90	51-80	N/A	Exclusion from an adjacent timber sale. Stand of sparse black spruce mixed with a few cedar and tamarack. Ground is very wet.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	88	Pole/Log	9	90
Tamarack	5	Pole/Log	9	
Northern White Cedar	5	Log/Pole	12	
Red Maple	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
Northern White Cedar	Trace	Variable	Sapling
Black Spruce	Medium	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling
Tag Alder	Full	Variable	Tall Shrub

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
21	6132 - Mixed Lowland Forest with Cedar	Poletimber Poor	5.6	105	1-50	N/A	Stand of lowland species of poor quality. Wet ground. Stand is essentially the headwaters of a small stream that flows East.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	15	Log	12	
Red Maple	20	Pole	8	
Balsam Fir	10	Pole/Sapling	7	
Black Ash	10	Pole	6	105
Tamarack	5	Log/Pole	10	
Northern White Cedar	20	Log	12	
Black Spruce	20	Pole	8	105

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Full	Variable	Tall Shrub
Red Maple	Trace	Variable	Sapling
Black Ash	Low	Variable	Sapling
Sugar Maple	Trace	Variable	Sapling
Balsam Fir	Medium	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	4110 - Sugar Maple Association	Sawtimber Well	4.3	98	51-80	N/A	Not a lot of regeneration post cut, mostly sprouts. Needs more time keep monitoring.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	95	Log/Pole	11	98
Paper Birch	5	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Sapling
Ironwood	Low	Variable	Sapling
White Pine	Trace	< 5 feet	Seeding
Wild Red Raspberry	Low	5 - 10 feet	Tall Shrub
Sugar Maple	Low	Variable	Sapling
Balsam Fir	Low	>20 feet	Pole

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4119 - Mixed Northern Hardwoods	Sawtimber Poor	13.2	95	1-50	N/A	Stand was shelterwood harvested in the summer of 2020 as part of the Little Ike Sale: 128-16. Shallow soils may cause some windthrow to residual trees due to less protection. 2020 was a good acorn year so I am hopeful for some oak to regenerate within the stand. Regenerating as a very diverse stand. Some oak regeneration taking place.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Log/Pole	12	95
Ironwood	2	Pole	6	
Black Cherry	5	Log	12	
Red Maple	10	Log	12	
Yellow Birch	5	Log/XLog	15	
Red Oak	28	Log	15	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	Variable	Sapling
White Pine	Trace	< 5 feet	Seeding
Red Oak	Low	Variable	Sapling
Sugar Maple	Low	Variable	Sapling
Yellow Birch	Low	Variable	Sapling
Paper Birch	Low	Variable	Sapling
Ironwood	Low	Variable	Sapling
Balsam Fir	Low	Variable	Sapling
Red Oak	Low	< 5 feet	Seeding
Wild Red Raspberry	Medium	< 5 feet	Tall Shrub
Northern White Cedar	Trace	< 5 feet	Seeding

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	4119 - Mixed Northern Hardwoods	Sawtimber Poor	3.4	95	111-140	N/A	Stand was excluded from summer of 2020 harvest of Little Ike Sale timber sale: 128-16. wet and steep rock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	25	Log/Pole	12	95
Ironwood	2	Pole	6	
Yellow Birch	5	Log/XLog	15	
Red Oak	20	Log	15	
Red Maple	28	Log	12	95
Black Cherry	5	Log	12	
Black Ash	15	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Tag Alder	Trace	5 - 10 feet	Tall Shrub
Black Ash	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling
Red Oak	Trace	Variable	Sapling

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	6115 - Lowland Ash	Sapling Poor	6.0	35	1-50	N/A	Very wet stand. A few mature black spruce and cedar exist. Lots of standing dead fir. Black ash saplings now filling up most of the canopy.

Canopy Species	% Cover	Size Class	DBH	Age
Black Spruce	5	Pole	8	
Balsam Fir	5	Pole	6	
Black Ash	68	Sapling/Pole	3	35
Paper Birch	2	Pole	6	
Northern White Cedar	10	Log/Pole	12	
Red Maple	10	Pole	6	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	6220 - Alder/willow	Nonstocked	15.2		Unspecified	No	
27	4199 - Other Mixed Upland Deciduous	Poletimber Well	15.1	80	81-110	N/A	Mature stand of birch, aspen and spruce growing on a steep hillside. Stand slopes down to drainage below.Trace yellow birch.

Canopy Species	% Cover	Size Class	DBH	Age
Balsam Fir	5	Pole	7	
Bigtooth Aspen	5	Log	13	
Quaking Aspen	15	Log	13	
Paper Birch	30	Pole	9	80
Red Maple	30	Pole	8	
White Spruce	10	Log/Pole	10	77
Sugar Maple	5	Pole	8	

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

28	4134 - Aspen, Spruce/Fir	Poletimber Well	48.1	25	Immature	N/A	Stand cut in 1999. OI notes state good scarification occurred on the site during the harvest which resulted in good regeneration. Nice regeneration throughout. Moose browse throughout the stand.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Pole/Sapling	6	
Red Maple	15	Sapling/Pole	4	
Paper Birch	2	Pole	6	
Quaking Aspen	46	Pole/Sapling	5	25
Balsam Fir	25	Pole/Sapling	5	
Sugar Maple	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	High	Variable	Sapling
Tag Alder	Trace	5 - 10 feet	Tall Shrub
Quaking Aspen	Medium	Variable	Sapling
Black Cherry	Trace	Variable	Sapling
White Pine	Medium	Variable	Sapling
Red Oak	Trace	5 - 10 feet	Sapling
Northern White Cedar	Trace	5 - 10 feet	Sapling
Balsam Fir	High	Variable	Sapling
Yellow Birch	Low	Variable	Sapling

29	4199 - Other Mixed Upland Deciduous	Poletimber Well	36.6	98	81-110	N/A	Long and narrow stand that was left due to terrain, river buffer and stream buffers.

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	5	Log/Pole	10	
Red Maple	23	Pole/Log	9	
Black Cherry	2	Log/Pole	10	
Balsam Fir	5	Pole	6	
White Spruce	5	Log	13	
Quaking Aspen	5	Log/Pole	10	
Black Spruce	2	Pole/Log	9	
Sugar Maple	20	Log/Pole	10	
Paper Birch	29	Log	11	98
Tamarack	2	Pole/Log	9	
White Pine	2	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Sapling
Sugar Maple	Low	Variable	Sapling
Red Maple	Low	Variable	Sapling

30	6220 - Alder/willow	Nonstocked	10.4		Unspecified	No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	4199 - Other Mixed Upland Deciduous	Sawtimber Well	49.7	90	81-110	N/A	steep drainage to cross for access. I was able to get a good vantage point from a rock knob from the adjacent stand to the west.Trace cedar.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	8	
Red Oak	2	Log/XLog	14	
Balsam Fir	5	Pole	9	
Paper Birch	40	Log/Pole	11	90
Black Cherry	1	Pole	8	
White Pine	2	Log	12	
Quaking Aspen	5	Log/XLog	15	
Bigtooth Aspen	5	Log/XLog	15	
Red Maple	33	Pole	8	
White Spruce	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Trace	5 - 10 feet	Tall Shrub
Ironwood	Low	Variable	Sapling
Red Maple	Medium	Variable	Pole
Balsam Fir	High	Variable	Sapling
White Spruce	Low	Variable	Pole

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
32	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	5.3	4	Immature	N/A	Stand was harvested in the summer of 2020 as part of the Little Ike Sale - 128-16: A small rocky knob was reserved during the sale harvest as the Producer found an active goshawk nest. This small patch is along the access road through the stand. Portions of this stand were excluded from harvest due to a stream and wet soils. (2014)

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/Pole	11	
Quaking Aspen	25	Sapling	1	
Red Maple	45	Sapling	1	4
Red Maple	1	Sapling/Pole	4	
Balsam Fir	25	Sapling/Pole	4	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	4134 - Aspen, Spruce/Fir	Sapling Well	5.3	4	Immature	N/A	Stand was harvested in the summer of 2020 as part of the Little Ike Sale - 128-16.75% canopy closure.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	48	Sapling	1	4
Yellow Birch	1	Log/Pole	11	
Red Maple	25	Sapling	1	
Balsam Fir	25	Sapling/Pole	4	
Sugar Maple	1	Sapling/Pole	4	