



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54126

Entry Year 2026

Acreage: 1,515

County Presque Isle

Management Area: Presque Isle Lake and Till Plains

Stand Examiner: Trevor Kubitskey

Legal Description:

T36N, R3E, Sec. 23, 24 & 26

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State Of Michigan.

Soil and topography:

This mostly flat compartment consists of primarily well and excessively well drained soils such as East Lake Sand and Deer Park Sand. Section 26 contains a unique upland ridge/lowland swale type topography with a mix of Croswell, Rubicon, Ingalls and Au Gres Sands on the ridges with Roscommon Muck soil within the lower swales. The sandy soils are mostly PArVHa, with some inholdings of PVCd, and PArVVb.

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

State land is found to the south and west of the compartment. A recently acquired parcel within the NE quarter of Sec 26 has increased the continuity of the state land within the compartment. North of the compartment is Lake Huron, residential development and the Hammond Bay Biological Station. Land use within the compartment is limited to mostly recreational users.

Unique Natural Features:

No Unique Natural Features known.

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:

None.

Watershed and Fisheries Considerations:

No special considerations exist for this compartment.

Wildlife Habitat Considerations:

The primary focus of wildlife habitat management will be to address the habitat requirements identified for the listed featured species found in this compartment. These species include American woodcock, pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial production of metallic minerals in this part of the state. The closest known active sand/gravel operations are less than two miles west, and there is some evidence of a former pit within the compartment, in Sec 24. There is potential for additional sand and/or gravel within the compartment on the uplands from the same sediments being mined to the west. No known potential exists beneath the compartment for oil & gas from known producing formations. There has been no recent well permit activity nor oil & gas leasing activity involving State-owned mineral rights in or around the compartment.

Vehicle Access:

The compartment is extremely accessible due to the network of county roads and forest roads. Access to the compartment is very easy due to US-23 running along the north edge as well as Silver Creek and Cheboygan Plains Rd to the west and south.

Survey Needs:

The majority of the compartment has been previously surveyed; however there are going to be surveying needs around the isolated private forty in Sec 24.

Recreational Facilities and Opportunities:

Snowmobile trails LP_99 and LP_996 traverse the compartment. There is also a snowmobile trailhead located in stand 70. Other recreational opportunities within the compartment include upland bird and deer hunting, trapping and ORV use.

Fire Protection:

Fire protection is provided by the Onaway office and Ocqueoc-Bearinger VFD.

Additional Compartment Information:

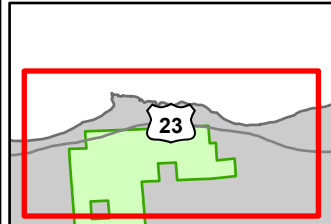
The following reports from the Inventory are attached:

- 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**

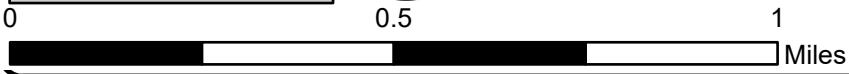
The following information is displayed, where pertinent, on the attached compartment maps:

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

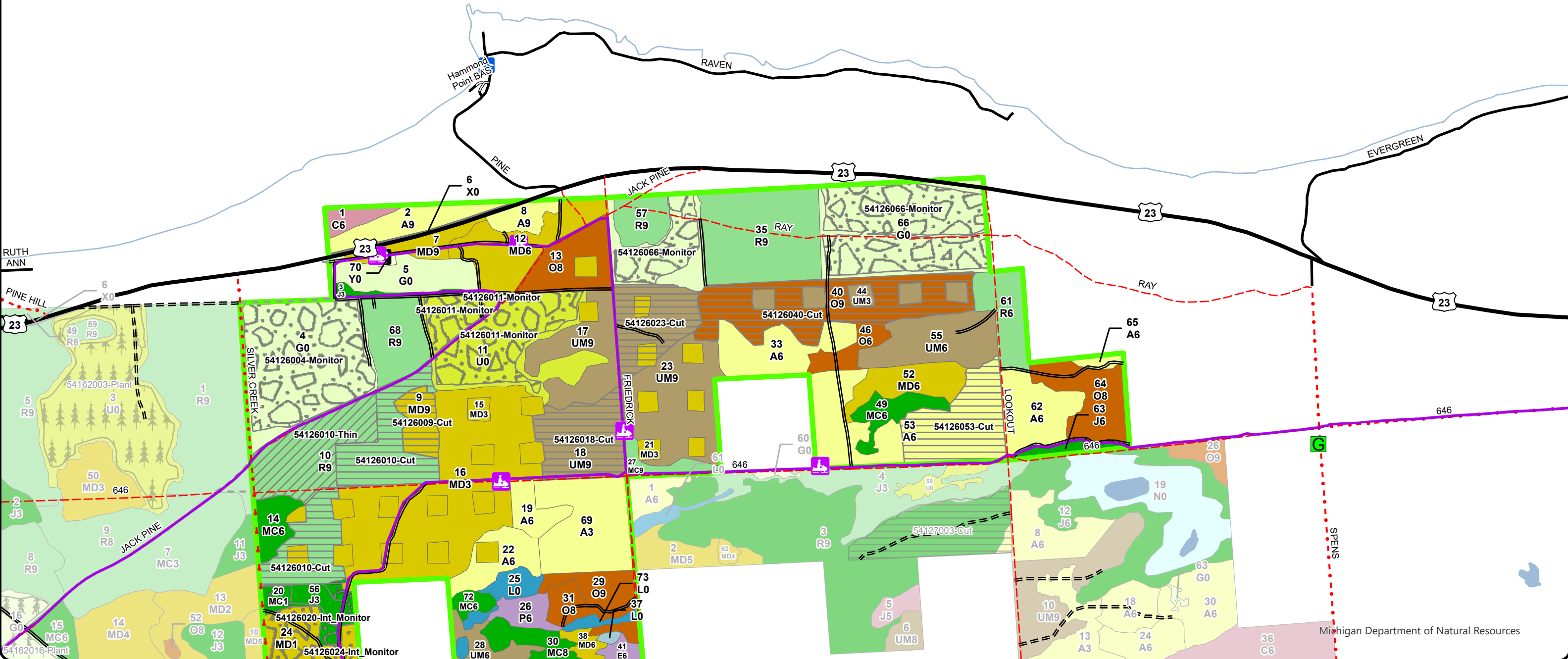
Cover Type & Treatments Map



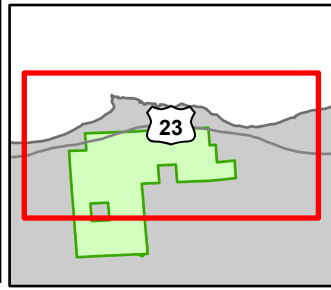
Compartment: 54126
 T36N, R4E, Sec: 19
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Presque Isle Lake
 and Till Plains
 YOE: 2026
 Acres: 1515.2 GIS Calculated
 Examiner: Trevor Kubitskey
 Map Revised: 06/03/2024
 Map Phase: Web-Post



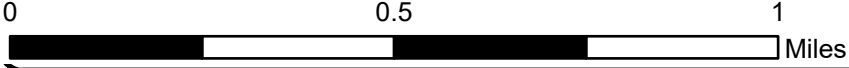
- Gate
- Boating Access Site
- Parking Lot
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lake/Pond
- Lakes and Rivers
- Compartment Boundary
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Regeneration Survey
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 629 - Mixed Non-forested Wetland
- 710 - Sand/Soil



Stand Boundary Map



Compartment: 54126
 T36N, R4E, Sec: 19
 County: Presque Isle
 Unit: Atlanta
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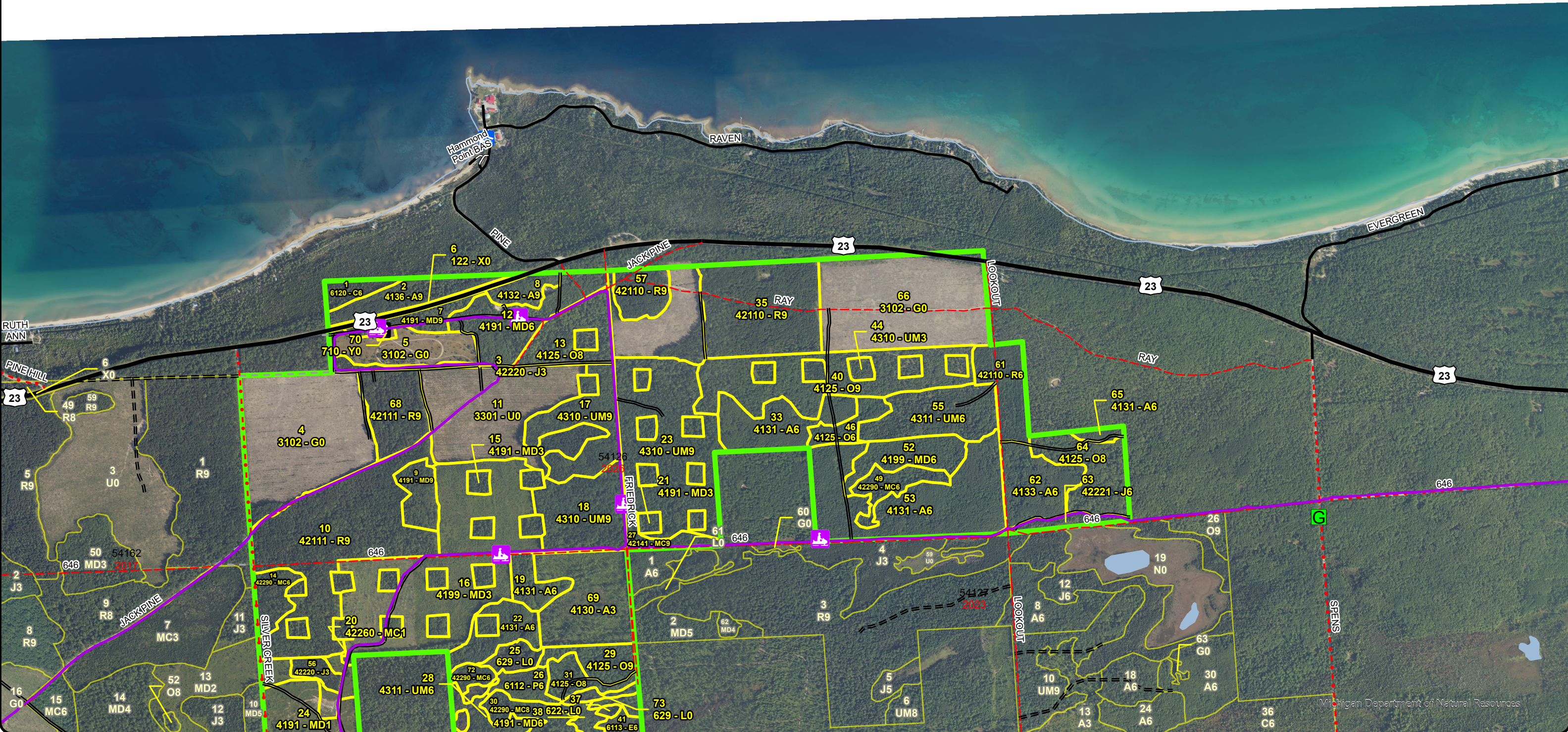


- Gate
- Boating Access Site
- Parking Lot
- Snowmobile Trails
- Designated Snowmobile Trails
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route

- Federal / State Highway
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lake/Pond
- Shoreline
- Lakes and Rivers
- Compartment Boundary

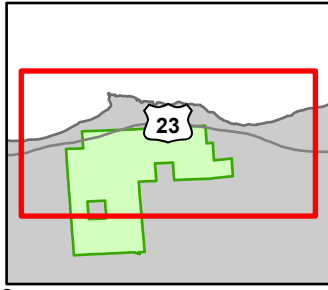
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- State Forests



Special Conservation Areas & Site Conditions Map

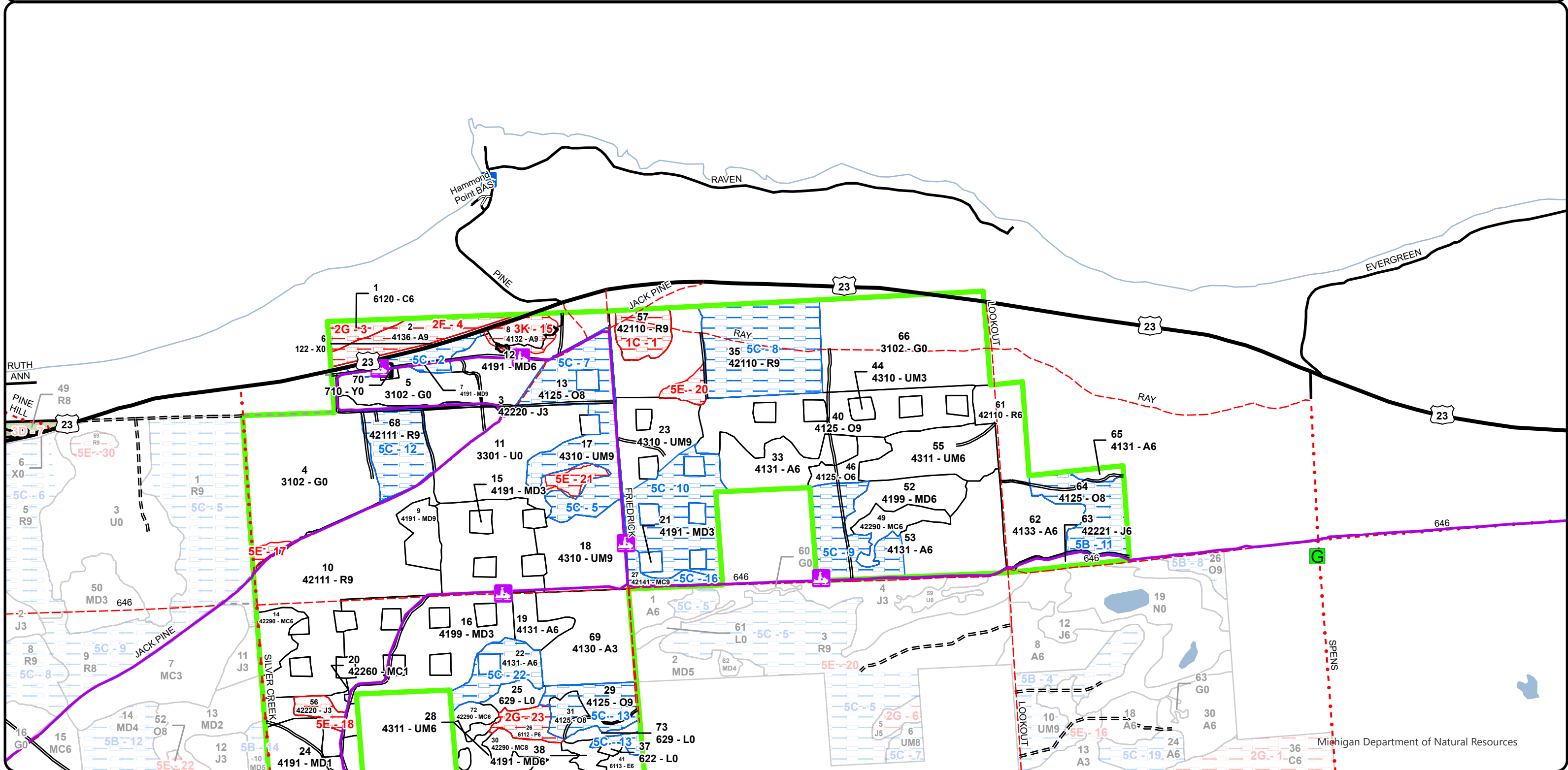
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- Gate
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- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Lake/Pond
- Shoreline
- Lakes and Rivers
- Compartment Boundary
- SCA
- SCA Removal
- Available w/ Constraints
- Unavailable

- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1C: Other dept or div proc/practices
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 3K: Rare or unique landforms
- 5E: Long-Term Retention
- Stand Boundaries
- Sand or Gravel Pit
- Recreational/Scenic Value Area



Report 1 – Total Acres by Cover Type and Age Class

Atlanta Mgt. Unit

Compartment 126 Year of Entry 2026

Trevor Kubitskey : 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+	Unseen-Aged	Total
Aspen	0	51	0	9	46	0	78	0	0	0	0	16	0	0	0	0	0	0	200
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6
Herbaceous Openland	183	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	183
Jack Pine	0	0	20	5	4	0	5	0	0	0	0	0	0	0	0	0	0	0	34
Low-Density Trees	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	7
Lowland Conifers	0	0	0	0	0	28	0	0	0	0	0	0	0	0	0	0	0	0	28
Lowland Deciduous	0	0	0	0	0	0	36	0	0	0	0	0	0	0	0	0	0	0	36
Lowland Mixed Forest	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Shrub	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41
Marsh	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Mixed Upland Deciduous	0	109	67	42	27	0	30	0	0	0	19	0	0	0	0	0	0	0	294
Natural Mixed Pines	0	10	0	0	0	0	23	0	0	16	0	0	0	0	0	0	0	0	49
Oak	0	0	0	0	8	0	0	0	0	0	89	22	0	0	0	0	0	0	119
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	6
Red Pine	0	0	0	0	17	0	0	0	0	66	160	0	0	0	0	0	0	31	274
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Upland Mixed Forest	0	0	0	10	27	0	11	0	0	0	113	0	0	0	0	0	0	0	161
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Total	300	170	87	66	129	28	193	0	0	82	387	38	0	0	6	0	0	31	1515



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Compartment 126

Year of Entry: 2026

Acres of Harvest

Total Compartment Acres: 1,515

Commercial Harvest - 225
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Oversory Removal	Salvage	Other	Total Acres
Aspen	32	0	0	0	0	0	0	0	0	32
Mixed Upland Deciduous	10	0	0	0	0	0	0	0	0	10
Oak	47	0	0	0	0	0	0	0	0	47
Red Pine	48	0	0	0	0	33	0	0	0	81
Upland Mixed Forest	55	0	0	0	0	0	0	0	0	55
Total	192	0	0	0	0	33	0	0	0	225

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	225	0	0	0	0	0	213	0	0	438
Next Step	0	423	226	0	60	226	306	113	0	1354
Total	225	423	226	0	60	226	519	113	0	1793



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

9	54126009-Cut	10.0	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	94	171-200	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Final harvest 2" DBH and up. No retention due to stand size. Require low stumps and chipping with exemption. Soft Oak wilt Specs due to adjacent stand 16.</p> <p><u>Next Step Treatments:</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Planting, Initial Plant; Planting, Replant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Other, Pre-Commer</p> <p><u>Acceptable Regen:</u> Fully stocked planted red pine.</p> <p><u>Other Comment:</u> Once harvested, merge cultivation treatments into one for easier tracking.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
10	54126010-Cut	48.2	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	94	171-200	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Final Harvest 2" DBH and up. 3-5% Retention placed in an area that will not impede future planting operations. Low stumps, chipping with exemption and snowmobile trail protection specs required. Incorporate treatment into the 5-spot areas in the south to square up treatment.</p> <p><u>Next Step Treatments:</u> SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Other, Pre-Commercial Thinning - Mechanical; Planting, Initial Plant; Planting, Replant; Monitoring, Artificial Regen(1yr); Monitor</p> <p><u>Acceptable Regen:</u> Fully stocked planted red pine.</p> <p><u>Other Comment:</u> Protect witness trees in southeast corner. Where possible exclude any areas of advanced Oak regeneration from cultivation treatments (chopping, trenching, spraying).</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
10	54126010-Thin	32.8	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	94	171-200	Harvest	Crown Thinning	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Thin stand down to an avg of 110. Remove any suppressed trees or poor quality stems. Where possible begin to open up the canopy for Oak recruitment. Oak wilt specs and trail protection specs required. Cut Oak and Aspen where needed.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Red Pine.</p> <p><u>Other Comment:</u> Looking to extend this portion of the stand out for high site quality and to reduce visual concerns along silver creek road.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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18	54126018-Cut	29.0	4310 - Pine, Oak Mix	Sawtimber Well	94	141-170	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Final harvest all trees 2" DBH and up. 3-5% Retention in an area that would not impede future planting operations. Protect Witness trees in SE corner. Low stumps, chipping with exemption and trail protection specs.
Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Site Prep; Planting, Initial Plant;
Treatments: Planting, Replant; Other, Pre-Commercial Thinning - Mechanical; Monitoring, Artificial Regen(1yr); Monit

Acceptable Regen: Fully stocked planted red pine

Other Comment: Merge cultivation treatments for stand 23 and 18 post harvest for easier tracking.

Site Condition

Proposed Start Date: 10/1 /2025

20	54126020-Int_Monitor	9.6	42260 - Natural Pine, Mixed Deciduous	Sapling Poor	4	Immature	Monitoring	Natural Regen (Intermediate)	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	No
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Prescription Monitor.
Specs:

Intermediate Regen survey during 2026 YOE sale prep. Stand did not meet the 'Moderately to Fully Stocked' criteria during regen check.

Next Step
Treatments:

Acceptable Regen: ANY amount of Jack, Red, White Pine, Oak, Red Maple, or Aspen that meet moderately to fully stocked criteria. Areas may regenerate more towards deciduous than pine or vice versa and that is OK. If stand still does not meet regen criteria, Replant to RP.

Other Comment: Natural Jack Pine/Mixed Deciduous is the most realistic covertype objective. Jack Pine has established well but needs time to meet the 6" height requirement.

Site Condition

Proposed Start Date: 10/1 /2025

23	54126023-Cut	26.0	4310 - Pine, Oak Mix	Sawtimber Well	92	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
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Prescription Final harvest 2" DBH and up. 3-5% retention left in an area that will not impede future planting operations. Low stump, chipping with exemption, and snowmobile trail protection specs. Incorporate the two 5-spot stands within the planation.
Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Planting, Initial Plant;
Treatments: Planting, Replant; Other, Pre-Commercial Thinning - Mechanical; Monitoring, Artificial Regen(1yr); Monitor

Acceptable Regen: Fully stocked planted red pine.

Other Comment: Exclude any areas of advanced Oak regen from post cultivation treatments where possible.

Site Condition

Proposed Start Date: 10/1 /2025

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24 54126024-Int_Monitor	23.3	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	4	Immature	Monitoring	Natural Regen (Intermediate)	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Intermediate regen survey during YOE. Stand did not meet the original 'Moderately to fully stocked' criteria. Stand needs an additional 2 years for the pine to meet minimum height criteria.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Any combination of Oak, Red Maple, Aspen, or Red/Jack/White Pine that meet moderately or fully stocked criteria. Expect patchy regeneration in areas. If Jack Pine dominates areas that is OK. If stand fails again, replant to Red Pine with the adjacent stands within the compartment.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>										
40 54126040-Cut	47.3	4125 - Black, N. Pin Oak	Sawtimber Well	96	111-140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Final harvest 2" DBH and up. Standard retention. Mark to leave Red Pine not to exceed 5 BA for entire stand. Do NOT cut White Pine and protect sub-merch red/white pine and oak. Oak wilt specs. Protect legacy Red Pine.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any amount of Oak, Aspen, Red/White/Jack Pine that meet moderate stocking criteria. Some areas will regenerate more to aspen.</p> <p><u>Other Comment:</u> May or may not need to red line around the 5-spot stand (stand 44).</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>										
53 54126053-Cut	31.8	4131 - Aspen, Oak	Poletimber Well	55	111-140	Harvest	Clearcut with Retention	4133 - Aspen, Mixed Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Final harvest 2" DBH and up. Standard retention. Do NOT cut Legacy Red and White Pine (Mark these to leave). Protect White Pine seed/saplings. Add drumming log specs, and snowmobile trail protection specs.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Moderately to fully stocked Aspen with a component of Oak, Mixed Pine and Red Maple.</p> <p><u>Other Comment:</u> Determine if Oak wilt Specs are needed during sale prep.</p> <p><u>Site Condition</u> Proposed Start Date: 10/1 /2025</p>										

Approved Treatments:

4 54126004-Monitor	60.3	3102 - Grass	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription Specs:</u> Perform a year 3 artificial regeneration survey. Survey planted red pine regeneration; evaluate if it meets the cover type objective.</p> <p><u>Next Step Treatments:</u> SitePrep, Roller Chopping; SitePrep, Trenching; Burn, Slash</p> <p><u>Acceptable Regen:</u> Acceptable regeneration is any combination of red pine, oak, aspen, jack pine, or white pine resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.</p> <p><u>Other Comment:</u> Percent to Treat = 100%</p> <p><u>Site Condition</u></p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Start Date: 10/1 /2023

11	54126011-Monitor	44.5	3301 - Low Density Deciduous Trees	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription Perform a year 3 artificial regeneration survey. Survey planted red pine regeneration; evaluate if it meets the cover type objective.

Specs:

Next Step

Treatments:

Acceptable Regen: Acceptable regeneration is any combination of red pine, oak, birch, aspen, fir, jack pine, or white pine resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Comment: Percent to Treat = 100%

Site Condition

Proposed Start Date: 10/1 /2024

66	54126066-Monitor	75.5	3102 - Grass	Nonstocked	0	Unspecified	Monitoring	Artificial Regen(3yr)	4211 - Planted Red Pine	Even-Aged	No
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Prescription Acceptable regeneration is any combination of red pine, oak, birch, aspen, fir, jack pine, or white pine resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Specs:

Next Step SitePrep, Trenching

Treatments:

Acceptable Regen: Acceptable regeneration is any combination of red pine, oak, birch, aspen, fir, jack pine, or white pine resulting in a medium or well stocked stand incontrovertibly dominated by unsuppressed red pine.

Other Comment: Percent to Treat = 100%

Site Condition

Proposed Start Date: 10/1 /2023

Total Treatment Acreage Proposed: 438.3

Report 4 – Site Conditions

Atlanta Mgt. Unit
Trevor Kubitskey : Examiner

Compartment: 126
Year of Entry: 2026

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions							
		With Condition	Not Available		5B	5C	1C	2F	2G	3K	5E	
199	138	39	22	Aspen		39		16			7	0
6	0	0	6	Cedar					6			
183	176	0	6	Herbaceous Openland			0					6
35	30	0	5	Jack Pine								5
59	55	0	4	Low-Density Trees								4
7	0	0	7	Lowland Aspen/Balsam Poplar					7			
28	28	0	0	Lowland Conifers								
36	36	0	0	Lowland Deciduous								
3	3	0	0	Lowland Mixed Forest								
41	41	0	0	Lowland Shrub								
10	10	0	0	Marsh								
294	283	9	2	Mixed Upland Deciduous		9					2	
48	48	0	0	Natural Mixed Pines								
119	55	64	0	Oak	22	41						
6	0	6	0	Planted Mixed Pines		6						
254	127	115	11	Red Pine		115	11					0
1	1	0	0	Sand, Soil								
146	100	46	0	Upland Mixed Forest		46						0
4	4	0	0	Urban								
1,480	1,137	279	65	Total Forested Acres	22	256	11	16	13	9	16	
	77%	19%	4%	Relative Percent								

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	1C: Other dept or div proc/practices	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Compartment: 126

Trevor Kubitskey : Examiner

Year of Entry: 2026

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small stand size. Wait until nearby stands are ready to be treated.							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Lake Huron dune's wale shoreline.							
4	Unavailable	2F: Too steep	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold portion of stand for green-up concerns from adjacent plantation.							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	66	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Healthy, growing well. Hold stand another 10 years.							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold. Stand is healthy. Let sub-canopy develop more than harvest.							

Report 4 – Site Conditions

Atlanta Mgt. Unit

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8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold.							
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: Smaller diameter portion of the stand. Hold until next entry to break up the aspen age class in the area. The private 40 acre parcel will need survey for future management.							
10	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	36	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold to break up the age class within this covertime.							
11	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Let subcanopy continue to gain volume. Hold another 10-20 years.							
12	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Year of Entry: 2026

13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold another 10 years.							
15	Unavailable	3K: Rare or unique landforms	9	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments: Hammond Bay Sand Dune.							
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Big tree management.							
17	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention pocket from sale 54-040-16-01							
18	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention pocket from sale 54-028-16-01							
19	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from sale 54-028-16-01. Protecting survey corner.							
20	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from sale 54-040-16-01							

Report 4 – Site Conditions

Atlanta Mgt. Unit

Trevor Kubitskey : Examiner

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Year of Entry: 2026

21	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Retention from sale 54-040-16-01. Long term retention for stand 11.							
22	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold another 10 years then possible treat with stands 19, 29 and 31.							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Too wet in most spots.							



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
Hammond Bay Sand Dune Pit East	Mineral Resource Area	Sand or Gravel Pit	SCA	0
Comments				
Closed				



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.

Conservation Area	Type	Description	ERA = Ecological Reference Area	HCVA = High Conservation Value Area	SCA = Special Conservation Area
<hr/>					
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																					
1	6120 - Lowland Cedar	Poletimber Well	5.8	136	141-170	N/A	Stand data mostly taken from previous inventory cycle. Access is difficult due to steep terrain from US-23 and surrounded by private. Edge call with imagery shows a mix of cedar, spruce and some scattered supercanopy white pine.																																																					
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2	4136 - Aspen, Mixed Conifer	Sawtimber Well	15.5	103	141-170	N/A	Almost vertical cliff down to stand from US-23. Aspen is starting to fall apart. Access is limited due to steep terrain and surrounded by private property.																																																					
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3	42220 - Natural Jack Pine	Sapling Well	4.0	36	1-50	N/A	Thin strip of naturally regenerating Jack and Red Pine. No previous management noted. Could leave as own stand or just merge into stand 5.																																																					
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4	3102 - Grass	Nonstocked	67.8	0	Unspecified	4211 - Planted Red Pine	-PUER 8/12/2022 Comments: Very successful herbicide application. Regeneration survey shows 970 trees/a @ 90% FTG. Before Application: Cherry/RM 10%, Oak 70%, Aspen 20%; Post Application: 95%, 95%, and 100% control respectively. -A year 1 regeneration survey was completed on 9/20/2022 finding 970 TPA with 90% FTG Initial Planting completed on 4/29/2022 at 926 TPA A herbicide application was completed on 7/22/21. Cut 4/2018 no roller chopping needed																																																					
5	3102 - Grass	Nonstocked	19.9		Unspecified	No	Old Hammond Bay air strip. Used for snowmobile races throughout the 70's. Scattered pine with mostly grass. Scattered concrete sidewalks along the south edge.																																																					
6	122 - Road/Parking Lot	Nonstocked	4.5		Unspecified	No	US-23.																																																					
7	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	8.8	96	81-110	N/A	Jack Pine and aspen falling out. Oak and mostly Red Pine still standing. Patchy pockets of red pine saps. Good recruitment of oak saplings under declining aspen/jack pine.																																																					
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8	4132 - Aspen, Jack Pine	Sawtimber Well	7.1	51	111-140	N/A	Unique upland dune/swale type complex. Contains heavy ORV damage. Upland ridges are mostly Jack pine/oak with heavier aspen on the north facing slopes and valleys. Based off cores and old timber records, that this was possibly cut between 1970 and 75.																																																							
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9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	10.0	94	171-200	N/A	Planted Red Pine with high density of Aspen and Oak. Somewhat variable diameters in the Oak. Oak seems to be smaller in diameter overall compared to the other similar stands. Aspen and Oak have some poor growth characteristics (i.e very twisted, heavy sweeps, crooks, etc.). High stem densities in most areas.																																																							
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10	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	79.2	94	171-200	N/A	Good quality 7-8 stick tall Red Pine. Nice Oak logs and aspen scattered throughout. Consistent Oak saplings throughout the sub-canopy, just at varying densities. Overstory stocking is somewhat variable which results in somewhat varying diameters as well. Majority of the aspen is in the SE portion near stand 9, with the minor jack pine component in the far south.																																																							
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11	3301 - Low Density Deciduous Trees	Nonstocked	59.1	0	Unspecified	4211 - Planted Red Pine	Year 1 regen survey passed with 998 TPAm 3.2% mortality and 78% FTG. Next step year 3 regen check. PUER completed 9/22/2023. Herbicide use showed moderate effectiveness. Moderate control of Aspen and Cherry with limited control of Oak. Initial planting of red pine completed on 4/27/2023 at 911 TPA. Herbicide application was completed on 6/29/22. Trenching for the planting of red pine was completed on 5/22/22.																																																							
12	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	27.0	37	51-80	N/A	Harvested in 1987. Removing Aspen, Oak, Red Maple and Jack Pine. Appears that Red and White Pine were left. Adjusted stand boundary to match sale map and 98 imagery. Stand is regenerating well and Oak is keeping up with the aspen in the canopy.																																																							
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13	4125 - Black, N. Pin Oak	Sawtimber Medium	19.5	94	51-80	N/A	Not sure on history of the stand. Possibly somewhat of a species removal done in ~1971 cutting all aspen, red maple and jack pine leaving Oak. Overall a nicely growing stand, with pockets of good subcanopy red pine especially in the east under the mixed Oak and Pine logs. Oak log canopy decreases moving west with more overall pole sized stems. Almost could classify as a 3 aged stand. O8, O3/5, A5.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Jack Pine	15	Pole	9		White Pine	Low		5 - 10 feet	Sapling
Red Pine	5	Log/Pole	10		Red Pine	High		Variable	Sapling
Red Maple	8	Pole	7		Balsam Fir	Low		5 - 10 feet	Sapling
White Pine	2	Log/Pole	14		Black/Red (Hybrid) Oak	High		10 - 20 feet	Sapling
Black/Red (Hybrid) Oak	60	Log/Pole/XLog	13	94	Juniper	Low		< 5 feet	Tall Shrub
Bigtooth Aspen	10	Pole/Log	9	51	Red Maple	High		5 - 10 feet	Sapling
14	42290 - Natural Mixed Pine	Poletimber Well	9.3	52	81-110	N/A	Natural fire origin Jack Pine under scattered planted Red Pine. Old plows lines still visible from 1972 fire. Seems to be higher stocked in the north half with more aspen. Southern half is slight more open with higher oak density. Jack Pine is fair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	30	Log/Pole/XLog	10		Red Pine	Medium		Variable	Sapling
Black/Red (Hybrid) Oak	20	Pole/Log	9		Jack Pine	Low		5 - 10 feet	Sapling
Bigtooth Aspen	5	Pole	7		Black/Red (Hybrid) Oak	Low		10 - 20 feet	Sapling
Jack Pine	45	Pole	7	52	Juniper	Low		< 5 feet	Tall Shrub
15	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	26.4	26	1-50	N/A	5 Spot. Was harvested in 1998. Each spot contains a different stocking level of species. Some pine dominated, others more Aspen and some more Oak. The oak seemed to have established well. Overall stand is on the cusp of pole sized.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Cherry	5	Sapling	2		Red Maple	High		5 - 10 feet	Sapling
Red Maple	15	Sapling/Pole	4		Red Pine	Low		< 5 feet	Sapling
Black/Red (Hybrid) Oak	35	Sapling/Pole	4	26	Black Cherry	Medium		5 - 10 feet	Sapling
Jack Pine	25	Sapling/Pole	3		Black/Red (Hybrid) Oak	Medium		Variable	Sapling
Red Pine	5	Sapling/Pole	4		White Pine	Low		Variable	Sapling
16	4199 - Other Mixed Upland Deciduous	Sapling Well	86.2	4	Immature	N/A	Harvested under contract 54-028-16 Tics Fer Days. Harvesting was complete 2019/2020. Oak is a large component of the stand, and contains better densities of 6 ft stems within areas of higher Aspen and Rm regen. East and North of the snowmobile trail contain the best regeneration with the far southwest containing more patchy regeneration with a heavier red pine component. Heavy to slash in most places. Oak appeared to have sprouted well but deer browse has knocked a lot of it back.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	30	Sapling	1		Black/Red (Hybrid) Oak	High		< 5 feet	Sapling
Red Pine	5	Sapling/Pole	3		White Pine	Low		< 5 feet	Sapling
Black/Red (Hybrid) Oak	30	Sapling	1		Jack Pine	Medium		< 5 feet	Seeding
Bigtooth Aspen	35	Sapling	1	4	Red Pine	Medium		< 5 feet	Seeding
17	4310 - Pine, Oak Mix	Sawtimber Well	24.8	94	171-200	N/A	Planted red pine with an Oak component that has taken over portions of the stand. Oak is borderline true Red/Hybrid and overall healthy with some scattered wolfy crowns. Aspen is falling out due to being over mature. Good quality red pine with good crown ratios, roughly 7-8 sticks. Heavier understory development in the west portions. Very well stocked. Oak saplings have established well in areas of declining Aspen and or falling out/fallen out Jack Pine.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	45	Log/Pole/XLog	12	94	Black/Red (Hybrid) Oak	Medium		Variable	Sapling
Black/Red (Hybrid) Oak	45	Log	14	94	Serviceberry (Juneberry)	Low		10 - 20 feet	Sapling
Bigtooth Aspen	10	Log/Pole	12		Red Pine	Medium		5 - 10 feet	Sapling
					Red Maple	Medium	5 - 10 feet	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
18	4310 - Pine, Oak Mix	Sawtimber Well	29.0	94	141-170	N/A	Mixed Planted Red Pine with natural Oak. Most of the sub-canopy regeneration is underneath dead Jack Pine. Most of the larger Oak have a noticeable seam on the first 2-3ft up on the butt log. Aspen is starting to fall apart. A small inclusion of Xlog Red Pine in the south.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak		40	Log	14		White Pine		Low	5 - 10 feet	Sapling
Bigtooth Aspen		5	Log	13		Red Pine		Medium	5 - 10 feet	Sapling
Red Pine		50	Log	14	94	White Pine		Low	>20 feet	Pole
Red Maple		5	Pole/Log	8		Black/Red (Hybrid) Oak		Medium	Variable	Sapling
						Red Maple		Medium	10 - 20 feet	Sapling
19	4131 - Aspen, Oak	Poletimber Well	8.7	27	51-80	N/A	Acquired in 1999. Based of imagery and cores, stand was harvested between 1995 and 1997. Good regeneration overall, small shrubby/patchy area in SW. Oak recruiting well. Just entering pole size class.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		30	Pole/Sapling	6		Black/Red (Hybrid) Oak		Low	Variable	Sapling
Red Maple		10	Pole/Sapling	5		Red Maple		Medium	Variable	Sapling
Bigtooth Aspen		50	Pole/Sapling	6	27	Red Pine		Low	5 - 10 feet	Sapling
Jack Pine		5	Pole/Sapling	5		Jack Pine		Low	5 - 10 feet	Sapling
Quaking Aspen		5	Sapling/Pole	4						
20	42260 - Natural Pine, Mixed Deciduous	Sapling Poor	9.6	4	Immature	N/A	Stand was harvested in 2019/2020 under contract Tics Fer Days 54-028-16. Oak was 93 years old. Old stand notes indicate that it was a lower density Oak Log stand (O7) with a savanna like appearance in the sub-canopy. Jack Pine seedlings have established well, but heavy browse on all Oak and RM under 6 ft. Lots of slash and debris in central portion might make future cultivation efforts difficult.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		5	Sapling	1						
Red Maple		15	Sapling	1						
Bigtooth Aspen		10	Sapling	1						
Jack Pine		55	Sapling/Pole	2	4					
Black/Red (Hybrid) Oak		15	Sapling	1	4					
21	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	15.4	26	1-50	N/A	Harvested in 1998 - Hammond Bay 5 Spot 54-036-96. Mostly mix of deciduous species with a minor pine component.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		25	Sapling/Pole	4	26	Red Pine		Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak		30	Sapling/Pole	4	26	Red Maple		Medium	5 - 10 feet	Sapling
Bigtooth Aspen		25	Sapling/Pole	4		Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling
Jack Pine		15	Sapling/Pole	4						
Red Pine		5	Sapling/Pole	3						
22	4131 - Aspen, Oak	Poletimber Well	13.6	51	111-140	N/A	Smaller diameters and more quaking in the west half and along the southern edge where terrain is slightly more lowland (hummocky). More true log sized stand in the north and central. Far east contains a small drainage, most likely seasonal. Borderline log.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		25	Log/Pole	12		Black/Red (Hybrid) Oak		Medium	10 - 20 feet	Sapling
Quaking Aspen		8	Pole	8		Red Maple		High	Variable	Sapling
Bigtooth Aspen		45	Log/Pole	10	51	White Pine		Low	Variable	Sapling
Red Pine		2	Log/Pole/XLog	16						
Paper Birch		5	Pole	8						
Red Maple		15	Pole/Log	9						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
23	4310 - Pine, Oak Mix	Sawtimber Well	58.9	92	111-140	N/A	Planted in 1932. North half was planted with Red and Jack Pine while the south was a mixed plantation of White, Red and Jack Pine. Unknown on past management. Almost appears as a multi aged stand. Extremely variable as far as stocking, quality and composition. Northern third appears to contain the lowest site quality of the stand with more contiguous red pine with more scrubby Oak, Jack Pine and huckleberry. This area contains good pockets of 2-4" Red Pine saplings 20' tall. Middle and south third of stand contains the larger diameter Pine and Oak. Majority of the Oak in the canopy is open grown, wolfy but not very tall. White pine has established well under mature aspen clones. Scattered pockets of oak and white pine poles in the intermediate canopy class.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		4	Pole	7		Serviceberry (Juneberry)		Low	10 - 20 feet	Tall Shrub	
Bigtooth Aspen		10	Log/Pole	11		Red Maple		Medium	10 - 20 feet	Sapling	
Black/Red (Hybrid) Oak		38	Log/XLog/Pole	16	94	Black/Red (Hybrid) Oak		Medium	>20 feet	Pole	
Jack Pine		3	Log	11		White Pine		Medium	Variable	Sapling	
Red Pine		38	Log/XLog/Pole	16	92	Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling	
White Pine		7	Log/Pole/XLog	12	92	White Pine		Low	>20 feet	Pole	
						Bigtooth Aspen		Low	10 - 20 feet	Sapling	
						Balsam Fir		Low	5 - 10 feet	Sapling	
						Red Pine		High	Variable	Sapling	
24	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	23.3	4	Immature	N/A		Harvested in 2019/2020 under contract Tics Fer Days 54-028-16. 110 year old Oak. Regen survey completed Feb 2024 with no snow on the ground. Acceptable regen required moderately to fully stocked stand of a combination of species such as Oak, aspen, red maple, red/jack pine. Regen survey results indicated: BT 550 tpa, JP 374 tpa, RM 154 tpa, BO 132 tpa, WP 66, RP 66 tpa. Most all Jack/Red/White Pine was right around 6-8 " , or either 10-15 ft tall (advanced regen). Heavy browse on the Oak and RM.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Bigtooth Aspen		25	Sapling	1	4	Black/Red (Hybrid) Oak			Medium	< 5 feet	Sapling
Red Maple		15	Sapling	1							
Jack Pine		25	Sapling/Pole	2							
White Pine		5	Sapling	1							
25	629 - Mixed non-forested wetland	Nonstocked	8.3		Unspecified	No	Multi part stand. Overall stand is a drainage that contains scattered pockets of lowland hardwood, aspen, White pine and tag with marsh grass. Heavily traveled by wildlife.				
26	6112 - Lowland Aspen	Poletimber Well	7.2	51	81-110	N/A	Overall low ground. Overall true pole with pockets of logs here and there. Hummocky ground, with some oak growing on drier knolls. Scattered log Oak and pine. Stand water is present in some areas. Like the majority of the other stands in the section, harvested around 1970-1975.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		56	Pole	7	51	White Pine		Low	5 - 10 feet	Sapling	
White Pine		3	Pole/Sap/Log	8		Black/Red (Hybrid) Oak		Low	10 - 20 feet	Sapling	
Red Maple		35	Pole	6	51	Red Maple		Medium	10 - 20 feet	Sapling	
Red Pine		3	Pole/Sap/Log	7		Tag Alder		Low	5 - 10 feet	Tall Shrub	
Black/Red (Hybrid) Oak		3	Pole/Sap/Log	5		Leatherleaf		Medium	< 5 feet	Tall Shrub	
27	42141 - Planted Mixed Pine, Mixed Deciduous	Sawtimber Well	6.4	92	111-140	N/A	Nice large diameter Oak, Red and White Pine stand. Ownership cards indicate that this 40 was planted in 1932 with Red/White Pine but stand has transitioned out of plantation characteristics and contains more natural stand dynamics. Large supercanopy Red/White Pine with a small pole size class in the subcanopy mostly of red maple, cherry, oak and bigtooth. Cores from pines indicate an extremely high site index. Slightly more moisture than the surrounding stands.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		10	Log/Pole	12	77	Red Maple		High	Variable	Sapling	
White Pine		30	Log/XLog/Pole	16		White Pine		Low	5 - 10 feet	Sapling	
Red Pine		50	XLog/Log	20	92	Red Pine		Low	Variable	Sapling	



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28	4311 - Pine, Aspen Mix	Poletimber Well	11.3	51	81-110	N/A	True upland Aspen, Oak ridge in the SE transitions to a transitional White/Red/Jack Pine ground in the central with more lowland hardwood/pine mix in the west and north. Smaller diameters in the northern portions where ground is slightly wetter. Scattered Xlog Oak and White Pine.																																																											
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29	4125 - Black, N. Pin Oak	Sawtimber Well	10.8	101	51-80	N/A	Thinned in 2008 along with stand 31 thinning stand down to ~60 sq ft. 54-036-06. Less sub canopy development than stand 31. Nice mixed Red/White Pine component with the majority of the pine in the east. Overall Oak is healthy, some single tree decline observed.																																																											
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30	42290 - Natural Mixed Pine	Sawtimber Medium	15.5	85	81-110	N/A	Slightly upland natural pine ridge. Appears that there are two age groups but unsure on past history. A large majority of this area (other stands) was harvested sometime in the early 70's but cores indicate the younger cohort is slightly younger than that so a harvest was possible in the early 80's. Any treatment that was done appears that it removed all deciduous species except Red/White Pine and some scattered Oak. Mostly Red Pine in the southeast, transitions to more aspen/white pine in the central with a mixed pine pocket (Red/White/Jack) of poles in the west. Scattered legacy red and white pines. Small leatherleaf bog inclusion in the far west.																																																											
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31	4125 - Black, N. Pin Oak	Sawtimber Medium	11.0	101	1-50	N/A	Harvested/Thinned in 2008 down to a ~60 sq ft residual. This stand compared to stand 29 was thinned a lot heavier creating more sub-canopy red maple and bigtooth development. Very thick understory. Isolated balsam fir pocket in the NW (held a lot of grouse). Small portion south of stand 73 is slightly lower ground with the heavier pine component. Overall Oak is healthy.																																																											
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32	623 - Emergent Wetland	Nonstocked	6.6		Unspecified	No	Overall a low density wetland shrub/emergent wetland. Small strip of aspen/birch in the west with a smaller drier ridge of Jack Pine in the east. Scattered tag and willow.																																																											
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33	4131 - Aspen, Oak	Poletimber Well	22.2	36	81-110	N/A	Harvested 1986/88. Stand regenerating well, and contains pockets of Oak, Red and White Pine. Overall good stem densities.																																																											
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34	4199 - Other Mixed Upland Deciduous	Sapling Well	66.9	16	Immature	N/A	Harvested in 2008 under contract 54-007-06 'Silver Creek North' removing everything except Oak over 12" DBH. Pockets of mixed deciduous as well as scatter white pine and red pine. West of snowmobile trail is much higher stocked with high densities of mixed regeneration. Aspen is mostly near the snowmobile trail and portions east of the trail. Stand is right around 75% canopy cover due to the far east portions very poorly stocked. Oak is maintaining good position in the canopy. Scattered residual Oak logs.																																																											
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35	42110 - Planted Red Pine	Sawtimber Well	48.5	94	141-170	N/A	Thinned 1996 under contract 54-028-96 'Acres Away'. Originally part of a large plantation with stands 57 and 66. Oak logs throughout with mostly short, open grown characteristics. Red Pine is fair with areas in the north having the better quality (possibly better site index). Overall stand appears to have the lowest quality among the pine plantation within the compartment. Old gravel pit in the north.																																																											
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36	622 - Lowland Shrub	Nonstocked	6.2		Unspecified	No	Mostly Tag Alder, leatherleaf, and grass/sedge mats with standing water. Small inclusions of lowland hardwood species. Isolated upland island of red and jack pine in the far east.																																																											
37	622 - Lowland Shrub	Nonstocked	1.0		Unspecified	No	Leatherleaf with tag. Scattered black spruce.																																																											
38	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	14.1	51	81-110	N/A	Main portion sits on an upland ridge top with aspen and oak. Edges are mostly transitional ground with a lowland hardwoods, pine and aspen mix. Far southern edge contains lowland jack pine with hummocky terrain with scattered open grown white pine. Unique stand. Cutting records indicated this was cut sometime in the 70's.																																																											
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39	622 - Lowland Shrub	Nonstocked	3.2		Unspecified	No	Heavier to Tag, willow, red maple and leatherleaf. Scattered paper birch saps.																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
40	4125 - Black, N. Pin Oak	Sawtimber Well	47.3	96	111-140	N/A	Overall poorer site quality than surrounding stands. Areas of slightly better aspen, oak and pine. Good sub-canopy white and red pine establishment throughout with varying heights from 5' up to 20'. Nice natural red pine pocket in the south central with a mixed age class in the Red and White Pine (11.3 DBH RP 63 y.o, 2.7 DBH RP 26 y.o) with scattered legacy pine. High mortality in the overstory Jack Pine with some budworm damage. Aspen appears healthy. Core from a 9.4 inch Bigtooth was solid all the way through and cored at 65 y.o.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		60	Log/Pole	11	96	White Pine		High	Variable	Sapling	
Bigtooth Aspen		15	Log	12	65	Jack Pine		Medium	5 - 10 feet	Sapling	
White Pine		5	Log/Pole	11		Huckleberry		High	< 5 feet	Tall Shrub	
Jack Pine		10	Pole/Log	9		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Red Pine		10	Log/Pole/XLog	12	63	Red Maple		Low	5 - 10 feet	Sapling	
						Red Pine		High	Variable	Sapling	
41	6113 - Lowland Maple	Poletimber Well	8.7	51	51-80	N/A		Very wet. Canopy density variable with mortality pockets and some wind throw in the north. Some pockets heavier to Sap/pole maple and birch with other areas more true Aspen/maple poles. Scattered logs here and there. Some upland knolls with oak but overall very saturated ground with standing water. Seems to have better and consistent stocking in the south.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Black/Red (Hybrid) Oak		5	Pole	7		Tag Alder			Medium	10 - 20 feet	Tall Shrub
Red Pine		5	Log	15		Black Spruce			Medium	Variable	Sapling
Paper Birch		10	Pole/Log	8		Balsam Fir			Low	5 - 10 feet	Sapling
Quaking Aspen		20	Pole/Log	8		Red Maple			High	10 - 20 feet	Sapling
Red Maple		60	Pole	7	51						
42	622 - Lowland Shrub	Nonstocked	2.2		Unspecified	No	Leatherleaf/lowland shrub. Scattered Jack/Red Pine saps throughout but mostly open.				
43	6125 - Lowland Black Spruce, Jack Pine	Poletimber Well	28.3	49	81-110	N/A	Unique stand. Transitional ground that is most likely dictated with ground water levels. Ground and soil characteristics give it a lowland classification. Slight upland ridges with lower swales and scattered small leatherleaf/blueberry bogs. More true upland far east edge. Jack Pine cored at 49 years old and found a cutting record from 1975 so age is roughly 49-51 years old. Heavier to mixed jack/red pine in west with scattered Oak, aspen. Scattered super canopy pine with the occasional Xlog Oak, with a heavier lowland deciduous, black spruce component in east half with very few scattered tamarack.. Very thick in spots with some naturally occurring canopy gaps.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		8	Pole/Sapling	5		Red Pine		Medium	Variable	Sapling	
Red Pine		15	Pole/Log/XLog	8		White Pine		Medium	5 - 10 feet	Sapling	
Quaking Aspen		7	Pole	6		Red Maple		Medium	Variable	Sapling	
Black Spruce		10	Pole	6		Tag Alder		Low	5 - 10 feet	Tall Shrub	
Paper Birch		5	Pole/Sapling	5		Black/Red (Hybrid) Oak		Medium	Variable	Sapling	
Jack Pine		45	Pole	6	49	Black Spruce		Medium	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		5	Pole/Sap/Log	8		Leatherleaf		Full	< 5 feet	Tall Shrub	
White Pine		5	Log/Pole/XLog	11							
44	4310 - Pine, Oak Mix	Sapling Well	10.4	26	1-50	N/A		Hammond Bay 5 Spot 54-036-96. Cut 1998.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		25	Sapling/Pole	4	26	Red Maple		Low	5 - 10 feet	Sapling	
Jack Pine		45	Sapling/Pole	4	26	Black/Red (Hybrid) Oak		Medium	< 5 feet	Tall Shrub	
Bigtooth Aspen		20	Sapling/Pole	4		Red Pine		Low	< 5 feet	Sapling	
Red Pine		5	Pole/Sapling	6							
Red Maple		5	Sapling/Pole	3							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																	
45	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	27.7	51	81-110	N/A	Old timber sale records indicate a harvest around 1975. Old imagery appears that this stand was harvested with stand 43 and possibly 59 to the southeast leaving all red and white pine. True upland in the NW and SW. Flooded out areas in the north central with lower stocking. Stand seems smaller for 50 years old, still some scattered pockets of larger saplings.																																																																	
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46	4125 - Black, N. Pin Oak	Poletimber Well	7.8	36	51-80	N/A	Harvested at the same time as stands 33 and 55. This portion regenerated heavily towards Oak. Oak is mostly stump sprout origin but has established well.																																																																	
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47	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	65.7	86	141-170	N/A	Thinned in July 2008 removing all Jack Pine, Aspen, Red Maple and all Oak under 12" DBH. Sub-canopy is fairly consistent with Oak and Red Maple saps. Oak is quite variable with saplings in small canopy gaps 10-20 feet tall with other areas 5-10 feet or less. Small pocket mortality in the southeast (~.10 acre) and a more broken red pine canopy in the northeast with a R7 feel and a heavy deciduous sub-canopy. Site quality seems to be slightly higher than the surrounding pine plantations due to the larger species composition in the sub-canopy. Overall diameters in the Red Pine are variable with pockets more towards poles with some upwards of 16-17 DBH. This would be caused from not thinning out any red pine in the last harvest. A single 9" DBH Northern White Cedar was observed in the SW portion which may indicate some different soil characteristic.																																																																	
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48	629 - Mixed non-forested wetland	Nonstocked	9.3	0	Unspecified	No	In and out of tag alder and other lowland hardwood species. Standing water in places. Areas appear to have been harvested at some point but has since flooded out.																																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
49	42290 - Natural Mixed Pine	Poletimber Well	9.8	52	51-80	N/A	Closer to 75% canopy coverage. In and out of mixed pine pockets with scattered Oak and aspen pockets. Very little development in sub-canopy. Scattered open grown white pine throughout. Fairly low stem densities.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Pine		10	Log/Pole	12		Juniper		Low	< 5 feet	Tall Shrub
Bigtooth Aspen		5	Pole	7		Black/Red (Hybrid) Oak		Low	< 5 feet	Sapling
Black/Red (Hybrid) Oak		20	Pole/Log	9		White Pine		Low	5 - 10 feet	Sapling
Jack Pine		45	Pole	8	52	Red Maple		Low	5 - 10 feet	Sapling
White Pine		20	Log/Pole/XLog	13		Jack Pine	Low	Variable	Sapling	
50	42210 - Natural Red Pine	Sawtimber Well	31.3	83	81-110	N/A	Unique transitional ground. Slightly drier serpentine ridges with small pockets of lower ground with a heavy leatherleaf component. Red pine dominates with diameters varying from 12-21 DBH in the canopy throughout. The occasional white pine in the west with heavier white pine densities in far northeast and southeast fingers. Most of the aspen and jack pine is present in the NW finger. The Oak stocking is fairly consistent with large open grown characteristics. Overall sub canopy development is impressive, but appears from cores that a lot of the intermediate Red/White Pine poles are stagnant. Roughly 60% upland with 40% low.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine		12	XLog/Log	19	106	Black/Red (Hybrid) Oak		High	Variable	Sapling
Black/Red (Hybrid) Oak		19	XLog/Log	20		White Pine		Medium	>20 feet	Pole
Red Pine		65	Log/XLog	17	83	Leatherleaf		High	< 5 feet	Tall Shrub
Jack Pine		2	Pole/Log	9		White Pine		Medium	5 - 10 feet	Sapling
Bigtooth Aspen		2	Log/Pole	10	68	Red Pine		High	Variable	Sapling
						Red Maple		High	10 - 20 feet	Sapling
						Serviceberry (Juneberry)		Low	10 - 20 feet	Tall Shrub
						Red Pine		Medium	>20 feet	Pole
51	623 - Emergent Wetland	Nonstocked	2.3		Unspecified	No				
52	4199 - Other Mixed Upland Deciduous	Poletimber Well	15.9	54	81-110	N/A	Old timber sale records and old imagery give a age for this between 50-55 years old. Appears to be a younger version of stand 40. Overall pole with scattered log Oak, Red and White Pine. Oak has maintained a good position in the canopy and will continue to keep a dominant position in the canopy. Areas of intermediate RM and Oak saps that will most likely become suppressed. Better red maple density in the west half.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		5	Pole	6		Red Maple		Medium	10 - 20 feet	Sapling
Red Maple		10	Pole/Log	8		Black/Red (Hybrid) Oak		Medium	Variable	Sapling
White Pine		5	Log/Pole/XLog	12		White Pine		Medium	Variable	Sapling
Red Pine		5	Log/Pole/XLog	12		Red Pine		Low	5 - 10 feet	Sapling
Black/Red (Hybrid) Oak		55	Pole/Log	9	54					
Bigtooth Aspen		20	Pole/Log	8	54					
53	4131 - Aspen, Oak	Poletimber Well	57.2	55	111-140	N/A	Overall larger aspen, oak diameters in the east half. East third was cut maybe 10 years earlier than rest of the stand. This portion is densely stocked Aspen logs with scattered Oak logs and supercanopy Red and White Pine Xlogs. Middle third transitions into more pole sized aspen, red maple with a narrow strip of scrubby, large crowned open grown Oak. West Third appears more like a MC7 with more sap, pole aspen, red maple underneath. Good white pine sub-canopy throughout. Legacy trees present. Overall borderline Pole/Log. 1/3 log, 2/3 pole.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		30	Log/Pole	13		Red Maple		Medium	Variable	Sapling
Red Pine		5	Log/Pole/XLog	15		White Pine		High	5 - 10 feet	Sapling
Red Maple		5	Pole/Sapling	7		Red Pine		Low	Variable	Sapling
Bigtooth Aspen		50	Pole/Log	9	55	Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling
Quaking Aspen		5	Pole	7						
White Pine		5	Log/XLog/Pole	17						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
54	4139 - Aspen, Mixed Deciduous	Sapling Medium	15.4	4	Immature	N/A	Stand was harvested sometime 2020 under contract 54-028-16 'Tics Fer Days'. Overall good establishment in the Oak. Majority of the oak stump sprouts have recruited past browse height. Red and Jack Pine seem to have established well. Landing area still contains large drags and slash left from the harvest.																																																													
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55	4311 - Pine, Aspen Mix	Poletimber Well	26.6	36	81-110	N/A	Stand harvested in 1987 along with stands 33 and 46. This stand has regenerated more towards a Jack Pine with a deciduous component. Overall pole with some pockets still 3-4 inch class. Scattered small Red and White Pine logs. Good stem densities.																																																													
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56	42220 - Natural Jack Pine	Sapling Well	4.7	28	Immature	N/A	Stand is the long term retention from the timber sale 54-028-16 'Tics Fer Days'. Separated into it's own stand for mapping standards (5 acres). Age on the stand was taken from the cutting record for sale 54-037-96.																																																													
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57	42110 - Planted Red Pine	Sawtimber Well	11.4	94	141-170	N/A	Thinned 1996 under contract 54-028-96 'Acres Away'. Was originally part of a large plantation with stands 35 and 66. See locked comments.																																																													
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58	629 - Mixed non-forested wetland	Nonstocked	7.6		Unspecified	No	Mostly Tag Alder with associated lowland deciduous species (red maple, birch).																																																													
59	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	3.3	51	81-110	N/A	Somewhat variable diameters and stocking. More wet ground in NW and east side of old grade. Heavier Cedar component in the east.																																																													
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60	623 - Emergent Wetland	Nonstocked	1.6		Unspecified	No																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
61	42110 - Planted Red Pine	Poletimber Well	16.7	36	51-80	N/A	Harvested 1987, planted 1988 with 3-0 stock. Records indicate severe drought at time of planting. Overall fairly consistent, pockets of larger poles with some small logs in the south. No issues.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		85	Pole	6	36	Red Pine		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		10	Pole/Sapling	5		Black/Red (Hybrid) Oak		Low	5 - 10 feet	Sapling	
Bigtooth Aspen		2	Pole	5		Juniper		Low	< 5 feet	Tall Shrub	
Jack Pine		3	Pole/Sapling	6							
62	4133 - Aspen, Mixed Pine	Poletimber Well	21.1	36	81-110	N/A	Harvested 1987. Good stocking of Oak throughout. Some Oak appear to be slightly topped by the aspen. Minor inclusions of Red and White Pine with Jack pine pockets. Density and quality is variable. Overall growing well. No concerns.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		5	Pole/Sapling	7		Red Maple		Medium	Variable	Sapling	
Red Pine		8	Pole/Log/Sap	8		Jack Pine		Low	5 - 10 feet	Sapling	
White Pine		2	Pole	7		Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling	
Bigtooth Aspen		45	Pole	7	36	Red Pine		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		25	Pole/Log/Sap	6							
Jack Pine		15	Pole	6							
63	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	5.4	51	81-110	N/A	Southern edge contains more lowland characteristics. Upland overall but with a poor quality, possibly highly acidic soil. Aspen and Jack pine quality varies.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Paper Birch		5	Pole	6		Red Maple		Medium	5 - 10 feet	Sapling	
Red Pine		5	Log/Pole	10		Jack Pine		Low	5 - 10 feet	Sapling	
Jack Pine		60	Pole	7	51	Red Pine		Low	Variable	Sapling	
Quaking Aspen		25	Pole	7		Balsam Fir		Low	Variable	Sapling	
Black/Red (Hybrid) Oak		5	Pole	8		White Pine		Low	Variable	Sapling	
64	4125 - Black, N. Pin Oak	Sawtimber Medium	22.4	95	81-110	N/A	Harvested in Winter 2009 under contract 54-019-06 Lookout Road Mix. All aspen, red maple and Jack Pine removed. Protected all Oak, and Red/White Pine. White Pine saplings in sub-canopy appear to have possibly been hit with budworm damage. High densities of over mature jack pine close by (private and state land) could have led to that. Overall Oak quality is fair to good; slightly better quality and form in south half. Some single tree decline observed.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		90	Log/XLog	14	95	Bigtooth Aspen		High	10 - 20 feet	Sapling	
Red Pine		5	Log/XLog	17		Red Pine		Medium	Variable	Sapling	
White Pine		5	Log/Pole/XLog	15		Red Maple		High	10 - 20 feet	Sapling	
						White Pine		High	Variable	Sapling	
						Black/Red (Hybrid) Oak		Medium	5 - 10 feet	Sapling	
65	4131 - Aspen, Oak	Poletimber Well	2.6	36	81-110	N/A	Harvested with stand 62 in 1987. Mostly aspen and oak poles with the occasional log. Oak is keeping up with the aspen in canopy fairly well. No concerns with the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
White Pine		5	Pole/Sap/Log	9		Red Maple		Low	5 - 10 feet	Sapling	
Bigtooth Aspen		60	Pole	7	36	Red Pine		Low	5 - 10 feet	Sapling	
Black/Red (Hybrid) Oak		35	Pole	7							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
66	3102 - Grass	Nonstocked	94.9	0	Unspecified	4211 - Planted Red Pine	-PUER 8/12/2022 Comments: Very successful herbicide application. Regeneration survey shows 970 trees/a @ 90% FTG. Before Application: Cherry/RM 10%, Oak 70%, Aspen 20%; Post Application: 95%, 95%, and 100% control respectively. -A year 1 regeneration survey was completed on 9/21/2022 finding 978 TPA with 99% FTG Initial planting was completed on 4/27/2022 at 919 TPA A herbicide application was completed on 7/22/21. Cut 4/2018 No roller chopping needed																																																															
67	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	20.4	15	Immature	N/A	Split out of parent stand 34 due to species composition change. This stand and stand 34 harvested in 2008 under contract 54-007-06 'Silver Creek North' removing everything except Oak over 12" DBH. Pockets of mixed deciduous as well as scatter white pine and red pine. Dense Jack Pine pockets (possibly advanced regeneration from 2008 harvest).																																																															
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68	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	20.8	94	141-170	N/A	Good Oak component throughout. Stocking seems to be variable. Less stocked areas contain a good mix of pine and oak regen. Scattered aspen.																																																															
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69	4130 - Aspen	Sapling Well	35.9	4	Immature	N/A	Stand was harvested prior to getting acquired from the state. Imagery indicates stand was cut around 2020. Harvest appeared almost as a strip/patch cuts leaving advanced regen of Aspen, Oak and Pine. So it is somewhat a two-aged stand. Nice flush of regeneration overall of aspen, oak and maple. Some lowland drainages in the central portions seem to have flooded out with limited regen coming up. Overall good regen, no concerns.																																																															
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70	710 - Sand, Soil	Nonstocked	1.0		Unspecified	No	Snowmobile/ORV Trail parking lot.																																																															



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72	42290 - Natural Mixed Pine	Poletimber Well	4.0	57	81-110	N/A	Three aged appearance. Dominant age is similar to that of the aspen, slightly older. Stand is a very dense stocking of mixed natural White and Red Pine mostly larger pole size with scattered Xlog White and Red Pine. Old timber records says this was cut in 1973, but guessing from the cores, most of this pine was slightly older and protected when it was cut. Heavier to aspen, red maple along the NE edge.																																																									
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Red Maple	5	Pole/Log	8																																																													
Black/Red (Hybrid) Oak	10	Log/Pole	14																																																													
Jack Pine	8	Pole	7																																																													
White Pine	35	Log/Pole/XLog	12	57																																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																													
White Pine	Medium	10 - 20 feet	Sapling																																																													
Red Maple	Medium	Variable	Sapling																																																													
Red Pine	Medium	10 - 20 feet	Sapling																																																													
Leatherleaf	Medium	< 5 feet	Tall Shrub																																																													
73	629 - Mixed non-forested wetland	Nonstocked	2.9	0	Unspecified	No	Transitions in and out of tag alder and lowland hardwoods (birch, aspen, red maple). Scattered Xlog Pine in the east.																																																									