

Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61231

Entry Year: 2027

Acreage: 1,911

County: Kalkaska

Management Area: Camp Grayling

Stand Examiner: Steve Crigier

Legal Description:

T25N R5W, Sections 1, 2 & 3

Identified Planning Goals:

Management goals within the Camp Grayling Management Area and this compartment must be meshed with the needs of the military. Summer troop training areas are most useful when dense forest canopy cover is in place, so the goal shall be to retain a high percentage of timber stands with this condition. Some forest canopy covers will be reduced by shelterwood and other partial cuttings. It is equally important, to have adequate understory and ground covers for military maneuver areas. In the end, a variety of stand conditions will be in place.

Soil and topography:

Excessively drained, poor sandy soils dominate the compartment. The main soil type is Roselawn sand. The terrain ranges from slightly rolling to hilly.

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

The entire land base in this compartment is state owned with the administrative authority being the Department of Military and Veterans Affairs. These lands are commonly referred to as Military Board Lands. FRD manages the timber upon these lands with guidance and direction from the staff of the Michigan National Guard at Camp Grayling. Military troop training is the primary activity in this area. No fenced ranges or live ammunition exercises occur in this area. A mortar range is located just east of this compartment in Crawford County. Some military bivouac areas are located in the compartment and these areas are used annually. In 2001, the military had a trail developed for tracked vehicles and a portion of that route is located near the south, east and west edges of this compartment. This trail, commonly referred to as the tank trail, is no longer in use because there are no tanks in the State of Michigan anymore. A cement refueling pad is located in the very southwest corner of Section 3 (stand 62). Military Board lands are open to the public for recreational use. Public use of the area includes snowmobiling, hunting and mushroom/berry picking. The adjacent lands around the perimeter of this compartment are all state owned.

Unique Natural Features:

No endangered or threatened species of plants or animals are known to exist in the compartment.

Archeological, Historical, and Cultural Features:

This area contains several old railroad grades from the turn of the century logging era. It is the intent of the Military to maintain the integrity of these old grades as they exist today. No known historical or archeological sites are listed for this area.

Special Management Designations or Considerations:

This compartment is entirely under the jurisdiction of the Department of Military and Veteran Affairs.

Watershed and Fisheries Considerations:

There is no water within the compartment.

Wildlife Habitat Considerations:

The north half of the compartment consists of an ice contact ridge (LTA 3111). Topography is generally steep and irregular. Soil types are excessively drained loamy sand. Oak is a major component within this compartment. Aspen stands are also present. The south half of the compartment consists of a broad, flat outwash plain (LTA 5111). Topography is generally level with excessively drained sands. Oak stands and aspen stands again dominate this portion of the compartment. There are also shrubland and one jack pine stand.

Acorns are an important food source for many different wildlife species. Wildlife considerations for oak stands may include leaving a scattering of mast-producing trees, use of harvest methods to perpetuate oak within the community, species diversification within each stand, and leaving of den/nest trees (by sale specification). This will insure biodiversity of wildlife species within these stands. Examples of wildlife found here include fox & gray squirrel, scarlet tanager, spotted

salamander, and garter snake. Aspen stands are an important habitat type for ruffed grouse and white-tailed deer. Ruffed grouse use different aged aspen throughout their life cycle. Younger stands provide cover while older stands provide catkins (food source) for the winter months. Clearcutting helps facilitate age class diversification of aspen by mimicking the necessary disturbances vital for regeneration. The creation of CWD trees for drumming logs and maintaining berry-producing shrubs is also desirable. This compartment is Military Board Land so the creation CWD will be subject to the Military's approval. Where applicable, the shrublands should be maintained by handfelling or by prescribed burning. Shrublands within this LTA type have a history of wildfire, and many species (for example, hill's thistle & little bluestem) respond positively to prescribed burning. The berry-producing shrubs provide an important food source. Examples of wildlife species found here include bluebird, badger, and green snake.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift are the Mississippian Michigan Formation and Marshall Sandstone. The Michigan is quarried for gypsum and the Marshall has been used as a building stone in other areas of the state. No active gravel pits are located in the area, but there is potential on the uplands. This area is located just north of Garfield 8 and Beaver Creek fields, which both produce oil from multiple zones within the Devonian Detroit River Group and gas from the Ordovician PdC. There are active leases in the SW of Section 3 that are held by production by the Garfield 8 Field, but the majority of the compartment is classified as non-leaseable.

Vehicle Access:

Numerous trails and roads are found in the compartment. The road system is extensive and will remain as is since the roads are needed for modern day military training. Roads developed during timber harvests will be closed once the harvest is complete unless the military determines that the road is one that they would like to keep open.

Survey Needs:

No additional corners are necessary.

Recreational Facilities and Opportunities:

There are no designated recreational facilities within this compartment. It is common to find deer camps in this compartment in the Fall. Snowmobilers use the pipeline corridor during the winter. Mushroom hunters and berry pickers use the compartment seasonally. Since the military uses the area for training during the summer, the recreational camping opportunities are limited. (T.M.N. 12/10/14)

Fire Protection:

This compartment is located in a relatively remote part of Kalkaska County that is primarily oak forest. The main forest fire difficulty will be the lengthy response time for initial attack units and the lack of a nearby water supply. It is 27 miles from the Kalkaska Office and 16 miles from the standby station at the Garfield Township Fire Hall. Roads are good for access to the southern part of the compartment. Fires occurring in the north half of the compartment will be much more difficult to access because the North/South roads are generally just two-track trails that often pass through some hilly terrain. Fire control crews will need to assess the topography and insert fire control lines accordingly. There are only small amounts of volatile pine fuels and those are located in the very northwest corner of the compartment so this reduces the chances of a catastrophic fire occurrence. Fires in open grass areas and fires burning up the hillsides may consume a fair amount of area before they can be controlled. Since slash is required to be removed from timber sales that are upon Military Board land, cut-over areas will not contain the usual fuel loads following harvests and may actually act as fuel breaks.

Additional Compartment Information:

Timber harvests upon Military Board lands must be done in such a manner that slash is removed from the sale area, stumps must be cut as low as possible and equipment/forest products must be removed from the sale area during the summer. Logging operations are generally limited during the period of May 1 - October 1. The Tank Trail, which is no longer used by the military, will no longer have restrictions on cutting along the trail. (There used to be restrictions on cutting along the trail to limit regeneration.)

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: 61231
T25N R05W 01-03
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Camp Grayling
YOE: 2027
Acres: 1,911 GIS Calculated
Examiner: Steve Crigier
Date Exported: 1/12/2026
Map Phase: Post Maps



0 0.5 1 Miles

Survey Grade Corners

Berm

DNR - Secondary Forest Road

==== DNR - Forest Access Route

- - - - County - Gravel Road

- - - County - Dirt Road (Seasonal)

- - - - Private - Dirt / Gravel Road

Compartment Boundary

Seed Tree

Overstory Removal

Prescribed Burn

412 - Oak Types

413 - Aspen

419 - Mixed Upland Deciduous

421 - Planted Pines

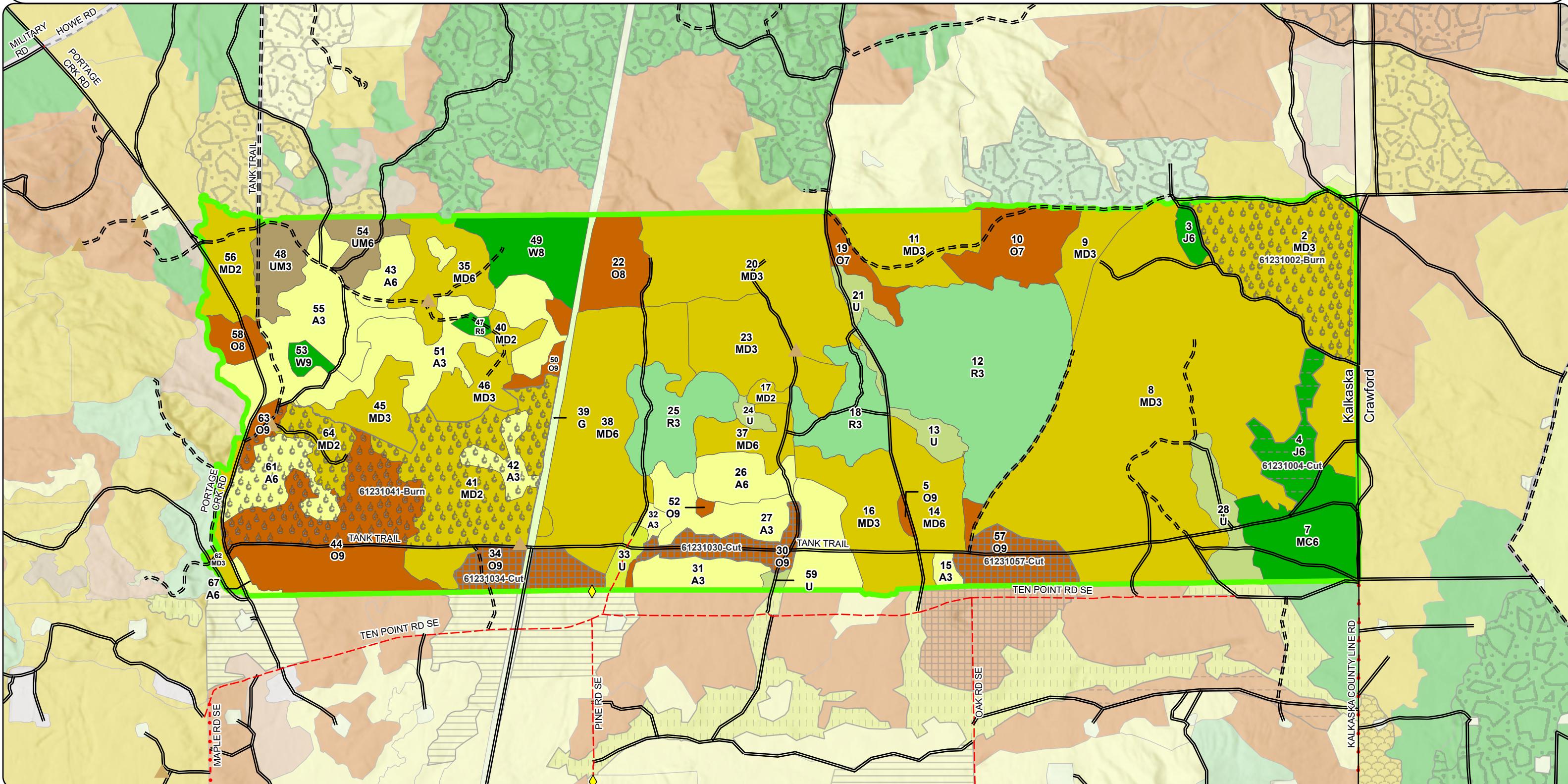
422 - Natural Pines

430 - Upland Mixed Forest

310 - Herbaceous Openland

320 - Upland Shrub

330 - Low Density Trees



Stand Boundary Map

Compartment: 61231
T25N R05W 01-03
County: Kalkaska
Unit: Traverse City
Mgmt. Area: Camp Grayling
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N

61231

0 0.5 1 Mile

◆ Survey Grade Corner

Berm

==== DNR - Secondary Forest Road

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421 - Planted Pines

422 - Natural Pines

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310 - Herbaceous Op

320 - Upland Shrub

330 - Low Density Trees

Special Conservation Areas & Site Conditions Map

Compartment: 61231
 T25N R05W 01-03
 County: Kalkaska
 Unit: Traverse City
 Mgmt. Area: Camp Grayling
 YOE: 2027
 Acres: 1,911 GIS Calculated
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N

61231

0 0.5 1 Miles

Survey Grade Corners

Berm

DNR - Secondary Forest Road

==== DNR - Forest Access Route

- - - - County - Gravel Road

- - - County - Dirt Road (Seasonal)

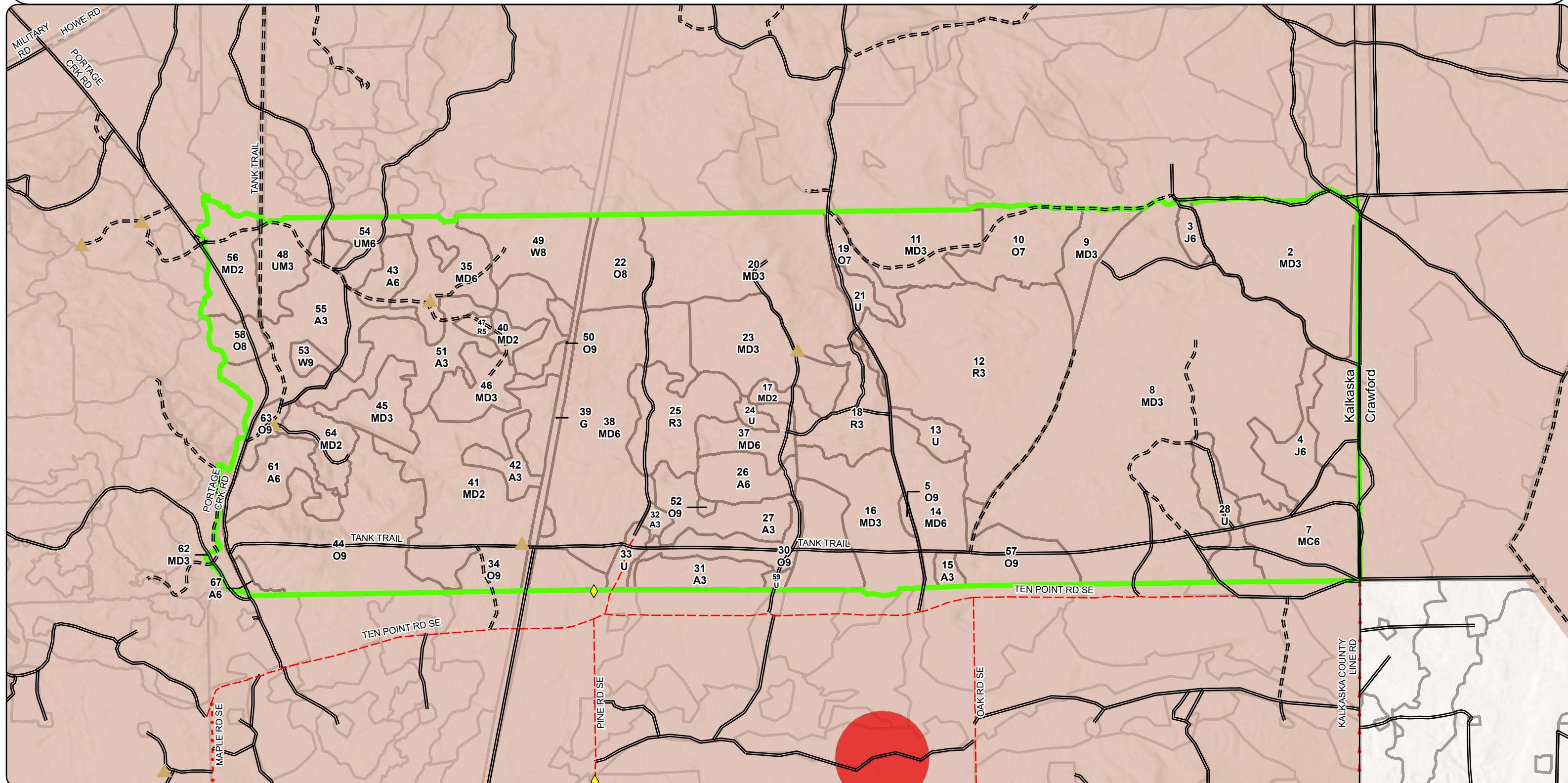
- - - - Private - Dirt / Gravel Road

Compartment Boundary

Stand Boundaries

Ecological Reference Areas

Research, Development, and Military Lands



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+	UnstAged	Total
Aspen	0	0	88	54	54	33	26	0	0	0	0	0	0	0	0	0	0	0	254
Herbaceous Openland	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Jack Pine	0	0	0	0	0	0	0	21	0	6	0	0	0	0	0	0	0	0	27
Low-Density Trees	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	258	145	421	0	181	0	0	0	0	0	0	0	0	0	0	0	0	1005
Natural Mixed Pines	0	0	0	0	0	45	0	0	0	0	0	0	0	0	0	0	0	0	45
Oak	0	0	0	0	0	0	0	0	0	146	94	0	0	0	0	0	0	10	250
Red Pine	0	194	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	197
Upland Mixed Forest	0	0	20	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	35
Upland Shrub	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
White Pine	0	0	0	0	0	0	0	32	0	4	0	0	0	0	0	0	0	0	36
Total	61	452	253	475	54	274	26	53	3	10	146	94	0	0	0	0	10	1910	

Report 2 – Treatment Summary

Traverse City Mgt. Unit
Year of Entry: 2027

Compartment 231
Total Compartment Acres: 1,911

Acres of Harvest

Commercial Harvest - 151
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	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	0	0	0	0	0	0	21	0	0	21
Oak	0	0	0	65	0	0	0	0	0	65
Total	0	0	0	65	0	0	21	0	0	86

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	86	0	0	0	254	0	0	0	0	340
Next Step	0	0	0	0	176	0	495	0	0	671
Total	86	0	0	0	430	0	495	0	0	1011

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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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Approved Treatments:

2 61231002-Burn 78.7 4199 - Other Mixed Upland Deciduous 3 9 Immature Burn Prescribed Burn 412 - Oak Types Planting Record No

Prescription Perform a moderate to high intensity burn in the early leaf out stage of spring to stimulate browse oak saplings. Objective is to increase the Specs: percentage of oak sapling, above 4', by 20-30% and reduce 10-20% of the red maple and aspen competition.

Next Step Monitoring, Prescribed Burn
Treatments:

Acceptable
Regen:

Other DMVA/Military lands and will require Camp Grayling approval and notification. Might have to adjust operations depending on training
Comment: schedule.

Site Condition:

Proposed Start Date: 10/01/2026

4 61231004-Cut 20.7 42220 - Natural Jack Pine 6 60 51-80 Harvest Overstory Removal 4122 - Oak, Pine Planting Record No

Prescription Remove the jack pine overstory that is greater than 6 inches in DBH. Leave all other species. Protect the advanced oak regeneration during
Specs: harvest. Apply oak wilt restriction.

Next Step
Treatments:

Acceptable
Regen:

Other DMVA/Military board land. Will need to apply the training time restriction and notification. Old inventory comments mention this area might
Comment: have bullets in the trees.

Site Condition:

Proposed Start Date: 10/01/2026

30 61231030-Cut 17.9 4126 - White, Black, N. Pin Oak 9 109 81-110 Harvest Seed Tree 4121 - Oak, Aspen Cutting Record No

Prescription Mark to leave 3-5, mature oak trees per acre (preferably white oak where possible) to leave as a source of mast. Also, leave any red or
Specs: white pine. Try to protect any pockets of advanced oak or pine regen.

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

Acceptable oak, maple, aspen
Regen:

Other This is Military owned land, so training restriction will need to be applied. Stand will also need to be chip harvested and apply oak wilt
Comment: restriction as well. Pair with stand 27 in compartment 139 for a sale (2026 YOE).

Site Condition:

Proposed Start Date: 10/01/2025

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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
34	61231034-Cut	23.2	4125 - Black, N. Pin Oak	9	103	141-170	Harvest	Seed Tree	4121 - Oak, Aspen	Cutting Record	No
<u>Prescription</u>	Mark to leave 3-5 mature oak trees per acre (preferably white oak where possible) to leave as a source of mast. Also, leave any red or white pine. Try to protect any pockets of advanced oak or pine regen.										
<u>Specs:</u>											
<u>Next Step</u>	Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>											
<u>Acceptable Regen:</u>	oak, maple, aspen										
<u>Other Comment:</u>	This is Military owned land, so training restriction will need to be applied. Stand will also need to be chip harvested and apply oak wilt restriction as well. Pair with stand 27 in compartment 139 for a sale (2026YOE).										
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/01/2025										
41	61231041-Burn	175.6	4199 - Other Mixed Upland Deciduous	2	9	Immature	Burn	Prescribed Burn	412 - Oak Types	Planting Record	No
<u>Prescription</u>	Conduct a moderate to high intensity burn during the early leaf out stage to stimulate the stunted oak regen. Conduct a second burn 3-4 years after the initial burn. Objectives are to increase the percentage of oak saplings, above 4' tall, by 20-30% and										
<u>Specs:</u>											
<u>Next Step</u>	Monitoring, Prescribed Burn; Burn, Prescribed Fire; Monitoring, Prescribed Burn										
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u>	Rolling terrain, pockets of dense aspen and maple sprouts. TransCanada pipeline on the east boundary will need notification. DMVA/Military land and will need Camp Grayling approval and notification. Possible timing restriction due to training activities.										
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/01/2026										
57	61231057-Cut	24.2	4126 - White, Black, N. Pin Oak	9	105	111-140	Harvest	Seed Tree	4121 - Oak, Aspen	Planting Record	No
<u>Prescription</u>	Mark to leave 2-5 mature oak trees/acre, preferably white oak, for seed and shelter. Also, leave any red or white pine. Try to protect any pockets of advanced oak regeneration.										
<u>Specs:</u>											
<u>Next Step</u>	Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>											
<u>Acceptable Regen:</u>	oak, aspen, maple, cherry.										
<u>Other Comment:</u>	DMVA lands, apply appropriate sale spec. Stand will need to be chip harvested and apply oak wilt restriction. Look to pair with stand 53 in compartment 139 for a sale (2026YOE).										
<u>Site Condition:</u>											
<u>Proposed Start Date:</u>	10/01/2025										

Total Treatment 340.3
Acrage Proposed:

Report 4 – Site Conditions

Traverse City Mgt. Unit

Steve Crigier: Examiner

Compartment: 231

Year of Entry: 2027

Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions	
Acres	Available	With Condition	Not Available	5E	

255	255	0	0	Aspen	
12	12	0	0	Herbaceous Openland	
26	26	0	0	Jack Pine	
6	6	0	0	Low-Density Trees	
1005	1005	0	0	Mixed Upland Deciduous	
45	45	0	0	Natural Mixed Pines	
227	214	0	12	Oak	12
197	197	0	0	Red Pine	
35	35	0	0	Upland Mixed Forest	
43	43	0	0	Upland Shrub	
36	37	0	0	White Pine	
1,888	1,875		12	Total Forested Acres	12
		99%	1%	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.	Available	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
2	Unavailable		5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								
					Long term retention for stand 16 harvest.			
3	Unavailable		5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:								

Report 4 – Site Conditions

Traverse City Mgt. Unit

Steve Crigier: Examiner

Compartment: 231

Year of Entry: 2027

5	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: For stand 57 harvest.							
6	Unavailable	2F: Too steep	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: For stand 30 harvest.							

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				

Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site			General Comments
2	4199 - Other Mixed Upland Deciduous			Sapling Well		74.9	9	Immature	N/A			2024- Nice mix of species with decent oak recruitment. Heavy browse in areas has made the stocking patchy or variable. 2020-A few aspen clones throughout stand, final harvested with 231 deadish oak. some pockets of regen saved, alot of the oak that was cut was dead, expect to push hard to maple and aspen with some conifer and
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	40	Sapling	1	9				Oak (spp.)	Medium	< 5 feet	< 5 feet
	White Oak	5	Sapling	1	9				Red Maple	Medium	5 - 10 feet	5 - 10 feet
	Quaking Aspen	25	Sapling	1	9				Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet
	Black/Red (Hybrid) Oak	20	Sapling	1	9							
	Pin Cherry	10	Sapling	1	9							
3	42221 - Natural Jack Pine, Mixed Deciduous			Poletimber Well		5.7	80	51-80	N/A			2024- Jack pine overstory is deteriorating. Oak and maple are developing in the gaps in the canopy. Mix of oak in the canopy. 2015- Would treat this stand but concerned with bullets in trees.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	5	Pole	8	80				Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
	White Oak	10	Pole	7	80				Red Maple	Medium	>20 feet	>20 feet
	Black/Red (Hybrid) Oak	15	Log/Pole	10	80							
	Jack Pine	70	Pole/Log	8	80							
4	42220 - Natural Jack Pine			Poletimber Well		20.7	60	51-80	N/A			2025- Oak is filling in the understory with a trace of white pine. Some individual stem mortality in the jack pine. Some scattered oak in the overstory. Some variability in the stocking. 2015-Could treat except for possible bullets in trees.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Oak	4	Log/Pole	10					Black/Red (Hybrid) Oak	High	Variable	Variable
	White Pine	3	Log/Pole	10	60				White Pine	Trace	Variable	Variable
	Red Pine	3	Log/Pole	12	60				Jack Pine	Medium	Variable	Variable
	Jack Pine	90	Pole/Log	8	60							
5	4126 - White, Black, N. Pin Oak			Sawtimber Well		1.8	106	51-80	N/A			Left as retention for stand 16 harvest.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Log/Pole	10					Red Maple	Low	Variable	Variable
	White Oak	20	Log/Pole	14								
	Black/Red (Hybrid) Oak	65	Log	14	106							
7	42250 - Pine, Oak			Poletimber Well		44.6	43	51-80	N/A			2025- stand transitioning to pole size timber. Nice mix of oak. Scattered mature red pine. 2015- Stand was cut in 1982.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Black/Red (Hybrid) Oak	30	Pole/Sapling	5	43				Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
	Red Pine	5	Log/Pole	12					Jack Pine	Low	Variable	Variable
	Jack Pine	65	Pole/Sapling	5	43							

Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site			General Comments
8	4199 - Other Mixed Upland Deciduous			Sapling Well		337.7	24	Immature	N/A			2024- Regen is filling well, with some open areas in the south and east part of the stand. Also, some scattered mature red and white pine. 2015-Scattered white oak logs throughout stand. Also small clumps of mature jack pine within stand. Sale #023-00 - had to refund a lot of money on this sale because of bullets in trees.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	25	Sapling	2	24				Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	White Oak	12	Sapling	1	24							
	White Oak	5	Log	12								
	Quaking Aspen	10	Sapling	2	24							
	Black/Red (Hybrid) Oak	35	Sapling	2	24							
	Red Pine	3	Log	12								
	Jack Pine	5	Sapling	2	24							
	Pin Cherry	5	Sapling	2	24							
9	4199 - Other Mixed Upland Deciduous			Sapling Well		17.5	16	Immature	N/A			231 Lone Oak Sale #684-07. Oak has been hammered by deer browse.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	45	Sapling	1	16				White Oak	Trace	5 - 10 feet	5 - 10 feet
	White Oak	10	Sapling	1	16				Red Maple	Medium	10 - 20 feet	10 - 20 feet
	Bigtooth Aspen	5	Sapling	2	16				Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
	Black/Red (Hybrid) Oak	40	Sapling	1	16				White Pine	Trace	< 5 feet	< 5 feet
10	4126 - White, Black, N. Pin Oak			Sawtimber Poor		33.6	95	1-50	N/A			2024- Regen is filling in the understory. Over story looks healthy. Overstory stocking is variable. 2015 - Stand was cut as part of the Salt Lick Sale #027-00. All oak <12" was cut along with all aspen and red maple. 3 dead oak/acre was also left.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Oak	20	Log	12	95				White Oak	Trace	5 - 10 feet	5 - 10 feet
	Black/Red (Hybrid) Oak	75	Log	16	95				Red Maple	Medium	10 - 20 feet	10 - 20 feet
	White Pine	5	Log/Pole	10					Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
									White Pine	Trace	< 5 feet	< 5 feet
									Quaking Aspen	Low	10 - 20 feet	10 - 20 feet
11	4199 - Other Mixed Upland Deciduous			Sapling Well		37.8	24	Immature	N/A			2025- Well stocked stand. Nice clone of big tooth aspen in the west part of the stand. In the future it might be worth separating out the pockets of aspen. 2014-This stand was cut as part of the Salt Lick Sale #027-00 in 2001.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	30	Sapling	3	24				Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	White Oak	5	Sapling	1	24							
	Bigtooth Aspen	30	Sapling	3	24							
	Black/Red (Hybrid) Oak	35	Sapling	3	24							
12	42111 - Planted Red Pine, Mixed Deciduous			Sapling Well		128.3	8	Immature	N/A			2024- Red pine on an oak / aspen site. Mild terrain. Red maple and cherry competition along the east side of the stand. 2020-Stand had a chapter 7 done to allow the salvage of the dead and dying oak and area to be planted to a fully stocker red pine stand. cut and trenched summer 2018...planted to red pine spring of 2019 and will likely need a release spray after that. Aerial spray 9/23/2020.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Sapling	1	8				Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	Red Pine	80	Sapling	1	8							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																				
13	320 - Upland Shrub	None	8.4		No		2024-Scattered pin oak and choke cherry.																				
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14	4199 - Other Mixed Upland Deciduous	Poletimber Well	30.8	45	51-80	N/A	2024- Stand is an oak and red maple mix with a few clones of aspen, mostly in the south half of the stand. Stump Sprout originated. BA'S 90, 40, 70. 2015-Sale #9-80. Oak and red maple dominate the stand.																				
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15	4139 - Aspen, Mixed Deciduous	Sapling Well	3.7	24	Immature	N/A	2025- Nice stem density and healthy stand. Pocket of cherry at the north end and is a little more scattered.																				
16	4199 - Other Mixed Upland Deciduous	Sapling Well	43.1	9	Immature	N/A	2024- Stand is regenerating ok. Variable stocking and quite a bit of browse. 2017-stand chapter 7'd to final harvest for a salvage of dead adn dying oak trees, this portion of parent stand had more red maple and aspen so this will be left to regenerate naturally... area to north will be trenched and planted to red pine.																				
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17	4199 - Other Mixed Upland Deciduous	Sapling Medium	3.4	8	Immature	N/A	2024- This portion of the stand doesn't appear to have been planted. low to moderate stocking. A few residual red pine stem. This was previously and O8 stand that experienced some decline. 2020- Salvage cut summer of 2018 and trenched summer of 2018.																				
18	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	30.4	8	Immature	N/A	2024- Stand is doing well. Some areas with maple and aspen competition.2020-Salvage cut summer of 2018 and trenched summer of 2018. Planted spring 2019. 1 year regen check 10/7/19. Plots in south central part of stand. Looks pretty overgrown from the edges but the central part is fairly open/sedgy and trees are FTG. Quant data suggests spraying is necessary. 84% survival, 64% FTG. Might need to re-evaluate seedling survival after spraying. Primary competition is oak, RM, cherry and witch hazel with aspen in western and southern ends. Western tail west of road was originally supposed to be natural regen but got trenched and planted. Plot data in compartment file on S drive. Aerial release sprayed 9/23/2020.																				
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Stand	Level 4 Cover Type				Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4125 - Black, N. Pin Oak				Sawtimber Poor	10.3	97	201+	N/A	Large scattered pin oak, with areas of pole timber and saplings.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	20	Pole/Sap/Log	8						
	Northern Pin Oak	70	Log/Pole/Sap	10	97					
	Pin Cherry	10	Pole/Sap/Log	6						
20	4199 - Other Mixed Upland Deciduous				Sapling Well	88.3	15	Immature	N/A	2024- Stand is regenerating well to a nice mix of species with a good component of oak. Scattered mature oak left in the northeastern part of the stand. 2015-McLachlan Hill Oak Sale #614-07. Cut completed in 2010. Some mature oak was left in the north east part of stand, but most have died.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	35	Sapling	2	15					
	White Oak	5	Sapling	1	15					
	Bigtooth Aspen	20	Sapling	2	15					
	Black/Red (Hybrid) Oak	35	Sapling	2	15					
	White Pine	5	Sapling	1	15					
21	320 - Upland Shrub				None	9.3			No	2024- Scattered pin cherry, might be a frost pocket.
	Sub-Canopy Species	Density	Avg. Height	Size						
	Pin Cherry	Low	5 - 10 feet	5 - 10 feet						
22	4126 - White, Black, N. Pin Oak				Sawtimber Medium	24.3	100	1-50	N/A	2024- Stand seem to be regenerating well with a nice mix of oak. Over story still looks healthy. stand is on some moderate terrain. 2015-McLachlan Hill Oak Sale #614-07. All oak was left in stand that was greater than 12"DBH.
	Canopy Species	% Cover	Size Class	DBH Age						
	White Oak	20	Log/Pole	12	100					
	Black/Red (Hybrid) Oak	80	Log	14	100					
23	4199 - Other Mixed Upland Deciduous				Sapling Well	45.7	23	Immature	N/A	2024- stand is Well stocked with a good oak component. A few clones of big tooth aspen. stand is on rolling terrain. Mostly stump sprout origin. 2025-Stand was cut in 2002, sale #028-00 - Nor-Easter.
	Canopy Species	% Cover	Size Class	DBH Age						
	Red Maple	20	Sapling	2						
	Red Maple	30	Sapling	3	23					
	White Oak	5	Sapling	2	23					
	Bigtooth Aspen	25	Sapling/Pole	3	23					
	Bigtooth Aspen	50	Sapling	2	23					
	Black/Red (Hybrid) Oak	40	Sapling/Pole	3	23					
	Black/Red (Hybrid) Oak	30	Sapling	1						
24	320 - Upland Shrub				None	3.5			No	2015- Scattered choke cherry and oak present.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	42111 - Planted Red Pine, Mixed Deciduous	Sapling Well	35.7	8	Immature	N/A	2024- Site was an oak stand that was salvage cut in 2018. Plantation is doing well. Gentle rolling terrain. Red pine is 3-4 tall. Some red maple, cherry and oak as well. 2019 -Planted spring 2019. 34,000 trees of 4-0 red pine. Regen survey 10/7/19. Put plots in the north half. 56% live seedlings, 49% FTG. Recommend release next and then replant. Competition is heaviest in the north half (mostly popple with some oak, RM and cherry). See NAIP 2018 CIR imagery for distribution of competition. Plot data in screenshot in compartment file on S drive. Aerial release spray 9/23/2020.
26	4131 - Aspen, Oak	Poletimber Well	19.0	42	111-140	N/A	2024- Nice quality aspen stand. Red maple and oak in the understory. Northend has more of a red maple and oak component. BAs: 120, 120, 130. 2015-Sale #19-80.
27	4130 - Aspen	Sapling Well	50.4	24	Immature	N/A	2024- well stocked and healthy stand.2015- Sale #029-00. Stand cut in late June/early July of 2001.
28	320 - Upland Shrub	None	20.1			No	2024- A grassy opening that is starting to filling in with hardwood sprouts. Some scattered mature oak. 2015- . Sale #023-00
30	4126 - White, Black, N. Pin Oak	Sawtimber Well	18.8	109	81-110	N/A	2024- stand has several pockets of mortality. Prodominately a red maple understory with a little oak. 2015-This stand is the result of 2 separate sales, 614-07 & 632-06, separated by the defunct "Tail Trail". When the Tank Trail was developed, the Military wanted cover left along the trail to prevent regeneration, mainly of aspen. The Tank Trail is no longer used, so this requirement will no longer be used.
31	4131 - Aspen, Oak	Sapling Well	18.1	18	Immature	N/A	2024- High stem density. Areas of decent oak regen. 2015- Sale #632-06. Most of the timber sale occurred in compartment 139.

Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments																																								
32	4131 - Aspen, Oak		Sapling Well		2.8	16	Immature	N/A		Sale #614-07. Cut in Fall of 2010.																																								
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33	3301 - Low Density Deciduous Trees		None		6.4	No		2024- stand filling in. Some red maple developing under the cherry.																																										
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34	4125 - Black, N. Pin Oak		Sawtimber Well		23.2	103	141-170	N/A		2024- stand has a small drainage or narrow depression in it. Some pocket and individual mortality in the overstory. More of an aspen component west of the pipeline. 2015- Stand appears to have been cut sometime in the early 1970's, where aspen and red maple were removed and the oak was left. Lots of regeneration in places - aspen, red maple and oak.																																								
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35	4199 - Other Mixed Upland Deciduous		Poletimber Well		30.9	46	51-80	N/A		2025- Stump sprout originated. Stocking is variable. Some clones of aspen and some scattered mixed pine.																																								
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37	4199 - Other Mixed Upland Deciduous		Poletimber Well		17.3	42	81-110	N/A		2024- Stand was harvested the same time as stand 26. This slight ridge has regenerated more to oak and maple. 2015-Sale #19-80.																																								
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Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
38	4199 - Other Mixed Upland Deciduous			Poletimber Well		101.7	42	51-80	N/A		2024- stand has many areas dominated with red /black oak. South end of the stand is very well stocked and is more variable to the north. Smaller and poorer quality timber in the north half as well. Stump sprout originated. BA's: 90, 60, 802015-Density varies throughout stand.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	30	Pole/Sapling	5	42				Red Maple	Medium	>20 feet	>20 feet
	White Oak	5	Sapling/Pole	3	42							
	Quaking Aspen	15	Pole/Sapling	6	42							
	Bigtooth Aspen	20	Pole/Sapling	6	42							
	Black/Red (Hybrid) Oak	30	Pole/Sapling	6	42							
39	3102 - Grass			None		11.9			No		DTE Pipeline ROW	
40	4199 - Other Mixed Upland Deciduous			Sapling Medium		6.5	9	Immature	N/A		2024- Rolling terrain. Regeneration is still patchy. Heavy browse. Pockets of oak regen but is mostly red maple. Along the west boundary of the stand is some thick maple and aspen regen. Stand is converting to a red maple /aspen stand. 2018- salvage sale cut summer 2018, 231 deadish oak. this area letting regenerate to mixed oak, deciduous and conifer. should fill in to a pretty good stocking. ok if some areas not as thick as this is a training area for military. Tank Trail Oak Sale #676-07	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	55	Sapling	1	9							
	White Oak	5	Sapling	1	9							
	Bigtooth Aspen	10	Sapling	1	9							
	Black/Red (Hybrid) Oak	25	Sapling	1	9							
	White Pine	5	Pole/Sapling	7								
41	4199 - Other Mixed Upland Deciduous			Sapling Medium		80.8	9	Immature	N/A		2024- Rolling terrain. Regeneration is still patchy. Heavy browse. Pockets of oak regen but is mostly red maple. Along the west boundary of the stand is some thick maple and aspen regen. Stand is converting to a red maple /aspen stand. This was previously an O9 stand that was in decline and also hit by spongy moth. 2018- salvage sale cut summer 2018, 231 deadish oak. this area letting regenerate to mixed oak, deciduous and conifer. should fill in to a pretty good stocking. ok if some areas not as thick as this is a training area for military. Tank Trail Oak Sale #676-07	
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	Bigtooth Aspen	10	Sapling	1	9							
	Black/Red (Hybrid) Oak	25	Sapling	1	9							
	White Pine	5	Pole/Sapling	7								
42	4139 - Aspen, Mixed Deciduous			Sapling Well		11.5	17	Immature	N/A		2024- Very well stocked. Some white oak establishing in the understory. 2015-Waldo Hill Oak #609-07.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	35	Sapling	2	17				White Oak	Low	5 - 10 feet	5 - 10 feet
	Bigtooth Aspen	55	Sapling	2	17							
	Black/Red (Hybrid) Oak	10	Sapling	1	17							
43	4130 - Aspen			Poletimber Well		13.5	46	81-110	N/A		2024- Nice quality aspen stand with a good mix of oak.	
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	20	Pole/Sapling	5	46				Black/Red (Hybrid) Oak	Trace	Variable	Variable
	White Oak	5	Sapling/Pole	4	46				White Pine	Low	Variable	Variable
	Bigtooth Aspen	65	Pole	7	46				Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	Black/Red (Hybrid) Oak	10	Pole/Sapling	5	46							

Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
44	4125 - Black, N. Pin Oak		Sawtimber Well		87.9	97	81-110	N/A		2024- Some rolling terrain, Steep in areas. Some individual mortality but overall a healthy overstory. Stand is pushing to red maple and aspen with its current understory stocking. BAs: 100, 110, 90, 110, 100. 2015- Sale #020-00. All aspen and red maple removed in stand. Heavy red maple and pockets of aspen regenerating. Nice red oak in most of stand. No need for treatment at this time.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	10	Pole/Log	9				Red Maple	High	Variable	Variable
	White Oak	10	Log/Pole	11				White Pine	Trace	Variable	Variable
	Paper Birch	2	Log/Pole	10				Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	Quaking Aspen	2	Log	12							
	Black/Red (Hybrid) Oak	72	Log/Pole	13	97						
	White Pine	2	Log	14							
	Red Pine	2	Log	14							
45	4199 - Other Mixed Upland Deciduous		Sapling Well		19.5	17	Immature	N/A		2024- Dense stocking. The north end of the stand has a higher component of oak 2015- Waldo Hill Oak #609-07.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	50	Sapling	2	17			Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
	White Oak	10	Sapling	2	17						
	Bigtooth Aspen	15	Sapling	2	17						
	Black/Red (Hybrid) Oak	20	Sapling	2	17						
	White Pine	5	Pole/Sapling	6							
46	4199 - Other Mixed Upland Deciduous		Sapling Well		19.3	17	Immature	N/A		2024- High stocking. 2015-Waldo Hill Sale #609-07. Small 1/2 acre exclusion within stand.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	30	Sapling	2	17			Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	White Oak	5	Sapling	1	17						
	Bigtooth Aspen	35	Sapling	2	17						
	Black/Red (Hybrid) Oak	20	Sapling	2	17						
	White Pine	8	Log/Pole	12							
	Red Pine	2	Log/Pole	12							
47	42210 - Natural Red Pine		Poletimber Medium		2.7	71	51-80	N/A		2024- Nice oak establishing under the pine. Several age and size classes of the pine overstory. 2015-Waldo Hill Sale # 60-07. Everything removed but the pine.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Pine	25	Pole/Sap/Log	8				Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
	Red Pine	75	Pole/Sap/Log	8	71			White Pine	Trace	Variable	Variable
								Red Maple	Low	10 - 20 feet	10 - 20 feet
48	4310 - Pine, Oak Mix		Sapling Well		20.4	16	Immature	N/A		2024- High stem density. Southern portion is an aspen/maple mix, north west portion of the stand has more of a jack pine and oak component. 2015-Sale #605-07.	
	Canopy Species	% Cover	Size Class	DBH Age							
	Red Maple	10	Sapling	1	16						
	White Oak	5	Sapling	1	16						
	Bigtooth Aspen	10	Sapling	2	16						
	Black/Red (Hybrid) Oak	30	Sapling	1	16						
	White Pine	5	Sapling/Pole	4							
	Jack Pine	40	Sapling	2	16						

Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed Site			General Comments
49	42200 - Natural White Pine			Sawtimber Medium		32.1	61	51-80	N/A			2024- BAs: 70, 100, 30, 40, 10. Some legacy trees present. Over story stocking is variable. Regen is thick in places with a good amount of oak. Regen is thriving under the current conditions 2015-Waldo Hill Sale #609-07. All aspen and red maple removed and most of the oak. No pine was cut in this stand.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Oak	2	Log/Pole	12	97				Red Maple	Medium	10 - 20 feet	10 - 20 feet
	Black/Red (Hybrid) Oak	10	Log/Pole/XLog	14	97				Bigtooth Aspen	Low	10 - 20 feet	10 - 20 feet
	White Pine	60	Log/Pole	11	61				Black/Red (Hybrid) Oak	Medium	10 - 20 feet	10 - 20 feet
	Red Pine	28	Log/Pole	12	61				White Pine	Low	Variable	Variable
									White Oak	Low	5 - 10 feet	5 - 10 feet
50	4125 - Black, N. Pin Oak			Sawtimber Well		6.9	95	111-140	N/A			2024- Stand might be long term retention from the St 41 harvest.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	18	Pole/Sap/Log	8					Red Maple	Medium	Variable	Variable
	White Oak	5	Log/Pole	12								
	Bigtooth Aspen	2	Log/Pole	12								
	Black/Red (Hybrid) Oak	75	Log/Pole	13	95							
51	4130 - Aspen			Sapling Well		54.4	35	Immature	N/A			2024- very well stocked. Oak developing in the Understory in places. Some scattered mature oak present. 2015-Sale #37-89.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	10	Sapling/Pole	3	35				Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
	Bigtooth Aspen	85	Sapling/Pole	4	35				Witch Hazel	Low	5 - 10 feet	5 - 10 feet
	Black/Red (Hybrid) Oak	3	Log	13								
	White Pine	2	Sapling/Pole	4	35							
52	4125 - Black, N. Pin Oak			Sawtimber Well		1.2	97	111-140	N/A			2024- Nice pocket of red oak. Retention pocket from adjacent harvest.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Pole/Sapling	6	42				Red Maple	Low	Variable	Variable
	White Oak	5	Log/Pole	12	97							
	Bigtooth Aspen	10	Log/Pole	12								
	Black/Red (Hybrid) Oak	70	Log	15	97							
53	42200 - Natural White Pine			Sawtimber Well		4.4	83	111-140	N/A			2024-BAs: 130, 140, 120 2015-Small pocket of natural white pine with some oak sawlogs mixed in. Oak quality is low to fair.
	Canopy Species	% Cover	Size Class	DBH	Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	2	Pole	6					Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
	White Oak	8	Log/Pole	12					White Pine	Low	Variable	Variable
	Black/Red (Hybrid) Oak	10	Log/Pole/Sap	14								
	White Pine	80	Log/Pole	12	83							

Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
54	4310 - Pine, Oak Mix		Poletimber Well		14.7	49	81-110	N/A		2024- Some scattered mature pine and oak. Stand appears to be two-aged. Nice mix of species. White pine developing in the understory.BA: 110, 90, 80	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Pole/Sapling	6	49			Black/Red (Hybrid) Oak	Medium	Variable	Variable
	White Oak	5	Log/Pole	10	97			White Pine	Medium	Variable	Variable
	Bigtooth Aspen	10	Pole	7	49						
	Black/Red (Hybrid) Oak	15	Pole/Sap/Log	8	49						
	White Pine	30	Log/Pole/Sap	10	49						
	Red Pine	5	Log/XLog	16	97						
	Jack Pine	20	Pole	6	49						
55	4131 - Aspen, Oak		Sapling Well		55.6	16	Immature	N/A		2024- High stem density. Southern portion is an aspen/maple mix, north west portion of the stand has more of a jack pine and oak component. 2015-Sale #605-07.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Sapling	1	16						
	White Oak	5	Sapling	1	16						
	Bigtooth Aspen	55	Sapling	2	16						
	Black/Red (Hybrid) Oak	15	Sapling	1	16						
	White Pine	5	Sapling/Pole	4							
	Jack Pine	5	Sapling	2	16						
56	4191 - Mixed Upland Deciduous with Conifer		Sapling Medium		25.2	7	Immature	N/A		2024- stand is regenerating well. Oak has Sprouted up first but quite a bit of jack pine coming in. Oak isn't quite above the browse line.2019-Cut October 2019. 231 Forgotten, 61-619-17. Cut all trees >1" dbh with chipping. Original stand was 65% JP, 23% hybrid oak, 10% white oak, 2% RM.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Quaking Aspen	10	Sapling	1	7						
	Northern Pin Oak	50	Sapling	1	7						
	Jack Pine	35	Sapling	1	7						
57	4126 - White, Black, N. Pin Oak		Sawtimber Well		26.6	105	111-140	N/A		2024- BAs-130, 140, 160 . Some individual mortality but overall a healthy overstory. South half of the stand had the red maple and aspen were removed about 20 years ago. and was paired with a stand in C139 for the sale.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	8	Log/Pole	10				White Oak	Trace	Variable	Variable
	White Oak	20	Log/Pole	10	105			Witch Hazel	Trace	5 - 10 feet	5 - 10 feet
	Bigtooth Aspen	2	Log/Pole	12				Red Maple	Medium	10 - 20 feet	10 - 20 feet
	Black/Red (Hybrid) Oak	70	Log	14	105						
58	4125 - Black, N. Pin Oak		Sawtimber Medium		10.0	97	51-80	N/A		2024- Clumpy red maple regeneration is established in the understory. Overstory looks healthy. 2015-The aspen and red maple and marked oak were removed from this stand in 08-09. Sale #605-07.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	White Oak	10	Log/Pole	12				White Pine	Trace	< 5 feet	< 5 feet
	Black/Red (Hybrid) Oak	85	Log/Pole	13	97			Red Maple	Medium	Variable	Variable
	White Pine	3	Log	14							
	Red Pine	2	Log/Pole	12							
59	320 - Upland Shrub		None		1.9			No		Old U type filling in.	

Stand	Level 4 Cover Type		Size Density		Acres	Stand Age	BA Range	Managed Site		General Comments	
61	4131 - Aspen, Oak		Poletimber Well		23.7	54	81-110	N/A		2024- Very well stocked stand. Red maple understory. Diameters haven't fully developed. Some pockets of oak, on the hill tops	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	15	Pole/Sapling	6	54			Red Maple	Medium	Variable	Variable
	White Oak	5	Log/Pole	10	97						
	Quaking Aspen	25	Pole	7	54						
	Bigtooth Aspen	40	Pole	8	54						
	Black/Red (Hybrid) Oak	15	Log	13	97						
62	4199 - Other Mixed Upland Deciduous		Sapling Well		8.2	8	Immature	N/A		2024- stand has regenerated well. Nice component of oak. 2015- Part of Stand 98 that was not planted (as far as I can tell from cultivation records). Cut as part of Quercus Maximus, 61-671-16-01, cut 3/2017. Cut all trees >2". Oak salvage or pre-salvage due to oak decline and heavy gypsy moth defoliation. Military Board Land.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	30	Sapling	1	8						
	Quaking Aspen	20	Sapling	1	8						
	Black/Red (Hybrid) Oak	30	Sapling	1	8						
	White Pine	5	Sapling	1	8						
	Black Cherry	15	Sapling	1	8						
63	4125 - Black, N. Pin Oak		Sawtimber Well		6.2	97	81-110	N/A		2024- Fully developed white pine understory. Overstory oak is of moderate quality.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	2	Pole	8				Black/Red (Hybrid) Oak	Trace	< 5 feet	< 5 feet
	White Oak	10	Pole/Log	9	97			White Pine	High	Variable	Variable
	Black/Red (Hybrid) Oak	63	Log/Pole	12	97						
	White Pine	25	Sapling/Pole	4	36						
64	4199 - Other Mixed Upland Deciduous		Sapling Medium		16.0	9	Immature	N/A		2024- some moderate terrain. Regen is a bit patchy and is predominantly red maple with patches of oak and aspen. Scattered mature white pine. moderate to heavy deer browse. 2017- Unit 3 of Quercus Maximus, 61-671-16-01, cut 3/2017. Cut all trees >2" except red and white pine. Oak salvage or pre-salvage due to oak decline and heavy gypsy moth defoliation. Military Board Land.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	55	Sapling	1	9			Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
	White Oak	5	Sapling	1	9						
	Quaking Aspen	15	Sapling	1	9						
	Black/Red (Hybrid) Oak	20	Sapling	1	9						
	White Pine	5	Pole/Sapling	7							
67	4130 - Aspen		Poletimber Well		2.5	54	51-80	N/A		2024- Manage stand with compartment 139.	
	Canopy Species	% Cover	Size Class	DBH Age				Sub-Canopy Species	Density	Avg. Height	Size
	Red Maple	20	Pole/Sapling	6				Red Maple	Medium	Variable	Variable
	Quaking Aspen	75	Pole	8	54						
	Black/Red (Hybrid) Oak	5	Sapling/Pole	3							