

### **Compartment Review Presentation**

**Traverse City Forest Management Unit** 

Compartment 61043 Entry Year 2026 Acreage: 3,233

**County Grand Traverse** 

Management Area: Kalkaska Sandy Moraines

Stand Examiner: Pat Ruppen

**Legal Description:** 

T27N R9W Sections 19,20,29,30,32

### **Identified Planning Goals:**

Management for this compartment is guided by the Boardman Plains Management Area Guidance. Oak and aspen are types in this compartment. The predominate understory species are red maple and white pine with oak and red pine to a lesser extent. The predominate shrub species are blueberry, juneberry, wintergreen and witch hazel.

A number of aspen stands exist in this compartment that were regenerated in the late 1960's —early 1970's. An attempt will be made to re-start a portion of these stands in this entry through harvest prescriptions. Access to these stands is difficult due to roads of deteriorating condition. These treatments may be un-attainable due to access issues.

Conditions that existed around the turn of the last century that created the extensive oak stands (large clearcuts that minimized frost pockets, intense fires that minimized competition and a smaller deer population) cannot be replicated. Therefore, the oak resource in this compartment is skewed towards the older age classes due to a minimal amount of regeneration for the last 70 years. The oak in the 90+ age classes is approaching the end of the normal lifespan on outwash plains and is becoming increasingly susceptible to insects and diseases such as oak wilt and oak decline. Older oak also does not sprout as vigorously from stump sprouts. Due to the advanced age of the oak and the challenges to regenerating oak, management should concentrate on maintaining an oak component in mixed stands. The current understory of white pine and red maple (below oak) will be released through partial oak harvests. Two treatments of this type are prescribed in this compartment. Considerations should also be given to planting pine in oak stands, which can help to shelter young oak from late spring freezes. Oak retention for mast and seed production will be considered in all treatments where oak is a component of the stand.

#### Soil and topography:

LTA 1111 Coarse textured end moraine. Steep and hilly. Soils are deep and excessively drained. Rubicon Sand, with small inclusions of Kalkaska sand and Kalkaska loamy sand. LTA 5211 Glacial outwash plain that is pitted with ice block depressions. Deep excessively drained acidic sands: Grayling, Rubicon with Rifle peat in kettle depressions.

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

This compartment is within a large block of state ownership. There is solid state ownership to the east and broken ownership to the west, south and north. This compartment has several private in holdings. This compartment is in close proximity to one of the most rapidly developing areas in Michigan. Pressure for various recreational land uses is heavy.

### **Unique Natural Features:**

Pothole lakes including Dollar Lake, Bullhead Lake and Perch Lake and Strombolis Lakes.

#### Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

#### **Special Management Designations or Considerations:**

#### Watershed and Fisheries Considerations:

Fisheries Division recommends that reasonable harvest buffer zones (outlined in the Forestry BMP handbook) be established around all lakes and ponds within this compartment. This compartment contains a number of small pothole lakes including Perch Lake, Bullhead Lake, Dollar Lake, Strombolis Lake, and Island Lake. Reasonable buffers (as outlined in Water Quality Management Practices on Forest Land) should be adhered to around all the lakes and ponds in this compartment. Existing buffers appear to be appropriate for the proposed treatments.

#### Wildlife Habitat Considerations:

Compartment 43 straddles the boundary between two glacial land types, moraine ridges to the north and an outwash plain which covers the southern 4/5. The bulk of this compartment is state owned, with several exceptions, the largest being centered on Island Lake.

Wildfire was a common natural disturbance of sandy outwash plains. Consequently, many of the communities found here are comprised of fire dependant species. Present habitat types on the outwash plain are oak or aspen communities with some scattered conifer components. Small wetlands or ponds are found in ice block depressions scattered about this area. Other depressions which function as frost pockets and cold air drainages support open or semi-open communities. Prescribed fire is an important tool in maintaining the health of these habitats. Opportunities to re-establish the currently rare barrens communities should be pursued when identified. A variety of wildlife species, including ruffed grouse, fox squirrel, red bat, and eastern garter snake, call this fire derived mosaic home. A number of abandoned oil well pads exist in this compartment and need to be revegetated. These sites are comprised of sterile sandy soils with little chance of supporting native herbaceous plant life. Most of these sites will be planted to an appropriate conifer species or kept open for future use as timber landings.

The moraine ridges in the north part of the compartment are comprised of steep sandy hills supporting a mixture of oak, aspen, and northern hardwood. Wildfire would occasionally make its way into these ridges from the adjacent outwash plains. Therefore, the southwest borders of this moraine complex are a good area to manage for earlier successional communities. Wildlife species benefiting from these communities include deer, black bear, downy woodpecker, and eastern box turtles. The openings found among the ridges in compartment 43 are either of ice block depression origin or are products of drilling for fossil fuels.

### Mineral Resource and Development Concerns and/or Restrictions

There is no known metallic mineral potential in this part of the state. The closest known active sand/gravel pit is approximately two miles north. There may be some potential for sand & gravel within the compartment and demand for aggregate exists in the area, but potential for commercial development may be inhibited by the prevalence of oil & gas infrastructure. The compartment is outside the main productive zone of the Antrim Shale gas play but is within the northern Silurian reef hydrocarbon play. Much of the compartment has been developed in association with the latter, and several successful, as well as many unsuccessful, wells are within the compartment. Much of the State-owned mineral rights in the compartment are currently leased and held by production. It is possible that additional future reef reservoir discoveries beneath the compartment could occur, but potential is considered low. More likely are efforts of secondary recovery from old reservoirs. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

### **Vehicle Access:**

Strombolis Road, Perch Lake Road, Muncie Lake Road, and Sand Lakes Road are county maintained and provide good access. A network of woods trails and two tract roads dissect the compartment and need to be evaluated. The south 2/3 of the compartment is fairly level and access is fair-good. The north 1/3 of compartment is on moraine ridges and the road network is inadequate for heavy truck access. Investment in some road segments would be necessary to access this portion of the compartment. Roads that were poor quality have been degraded even further by recreational vehicle traffic. There are serious access issues due to the road destruction.

#### Survey Needs:

### **Recreational Facilities and Opportunities:**

Sections of the Boardman Valley Snowmobile Trail, Vasa Pathway, Vasa Single Track Mountain Bike Trail, TC-Kalkaska Hiking Trail, and North Country Trail are found in this compartment. Appropriate trail protection specifications should be included in the timber sale contract where harvesting may impact these recreational facilities. There is also a large network of un-authorized bicycle trails in this compartment. Hunting, fishing, and dispersed camping are also common recreational activities within this compartment. (T.M.N. 4/14/14)

#### **Fire Protection:**

This area is protected by the DNR Traverse City Field Office, and VFD protection is Battaltion # 3 Williamsburg Fire Dept. On occasion, there has been fire occurrence in this area, and it has been difficult at times to get units into fires. While it is mostly hardwood fuel type, fires here have grown because of the remoteness, and at times fires not being spotted right away. Urban Interface is not an issue here.

### **Additional Compartment Information:**

The following reports from the Inventory are attached:

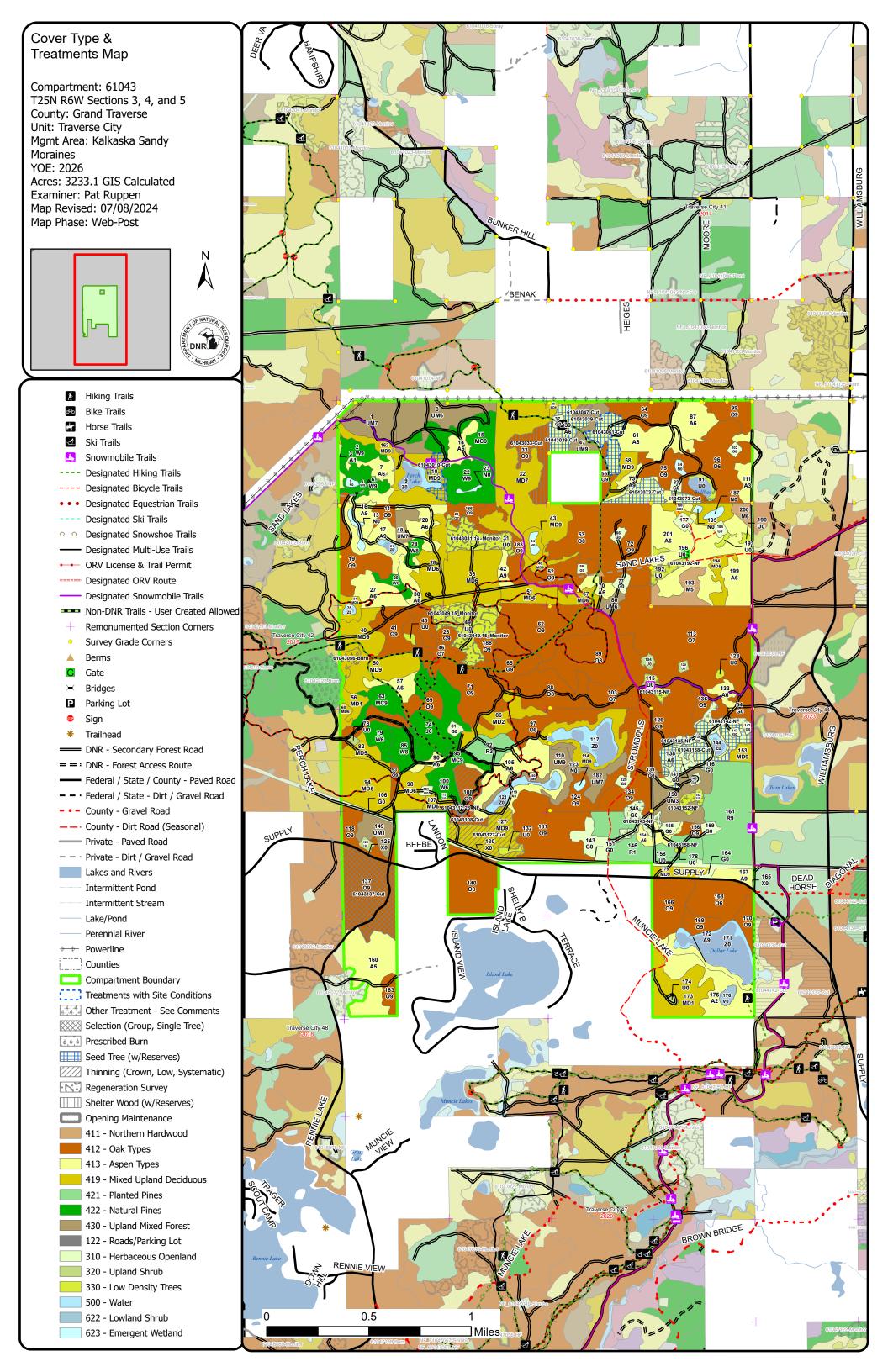
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

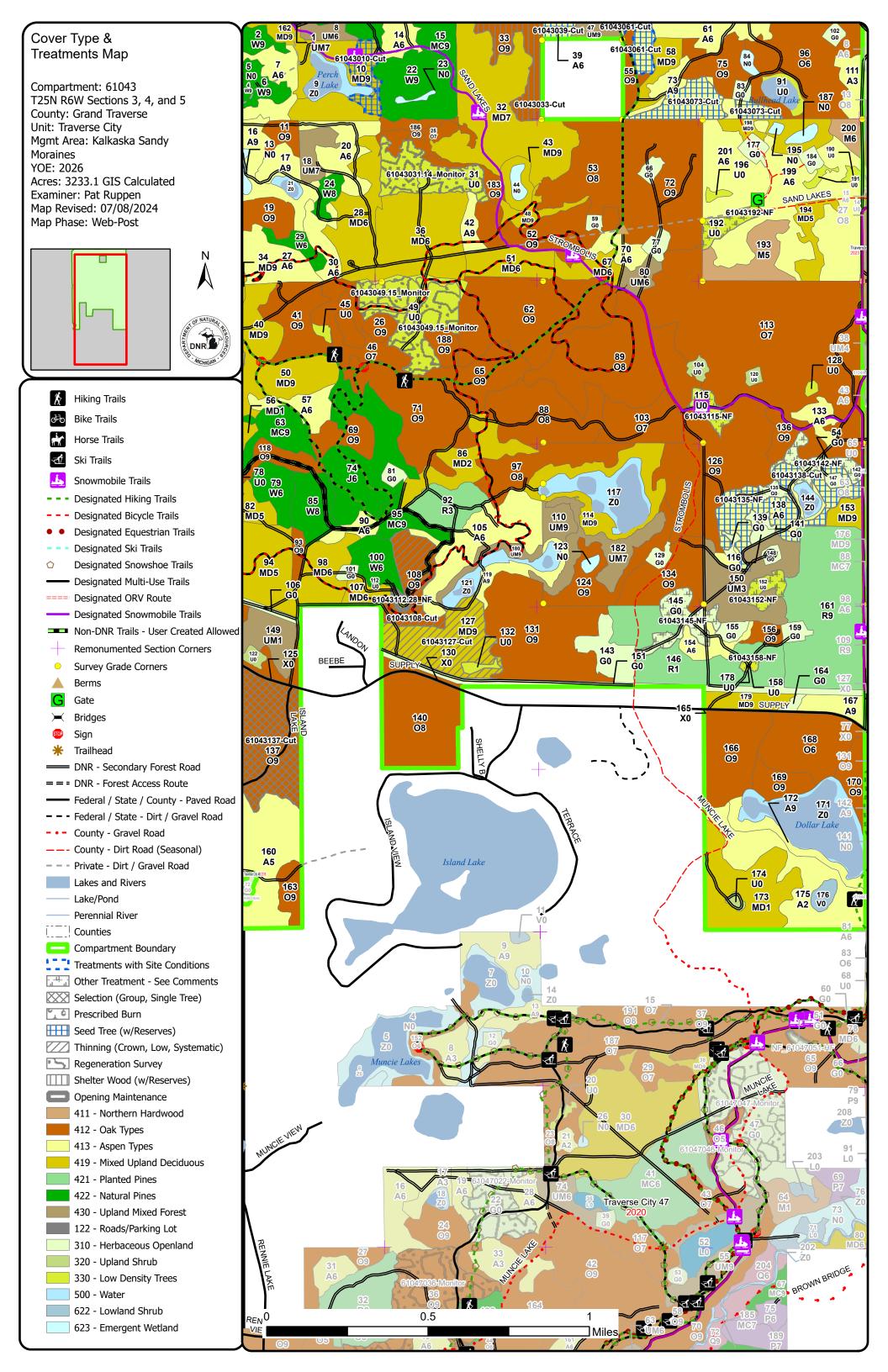
The following information is displayed, where pertinent, on the attached compartment maps:

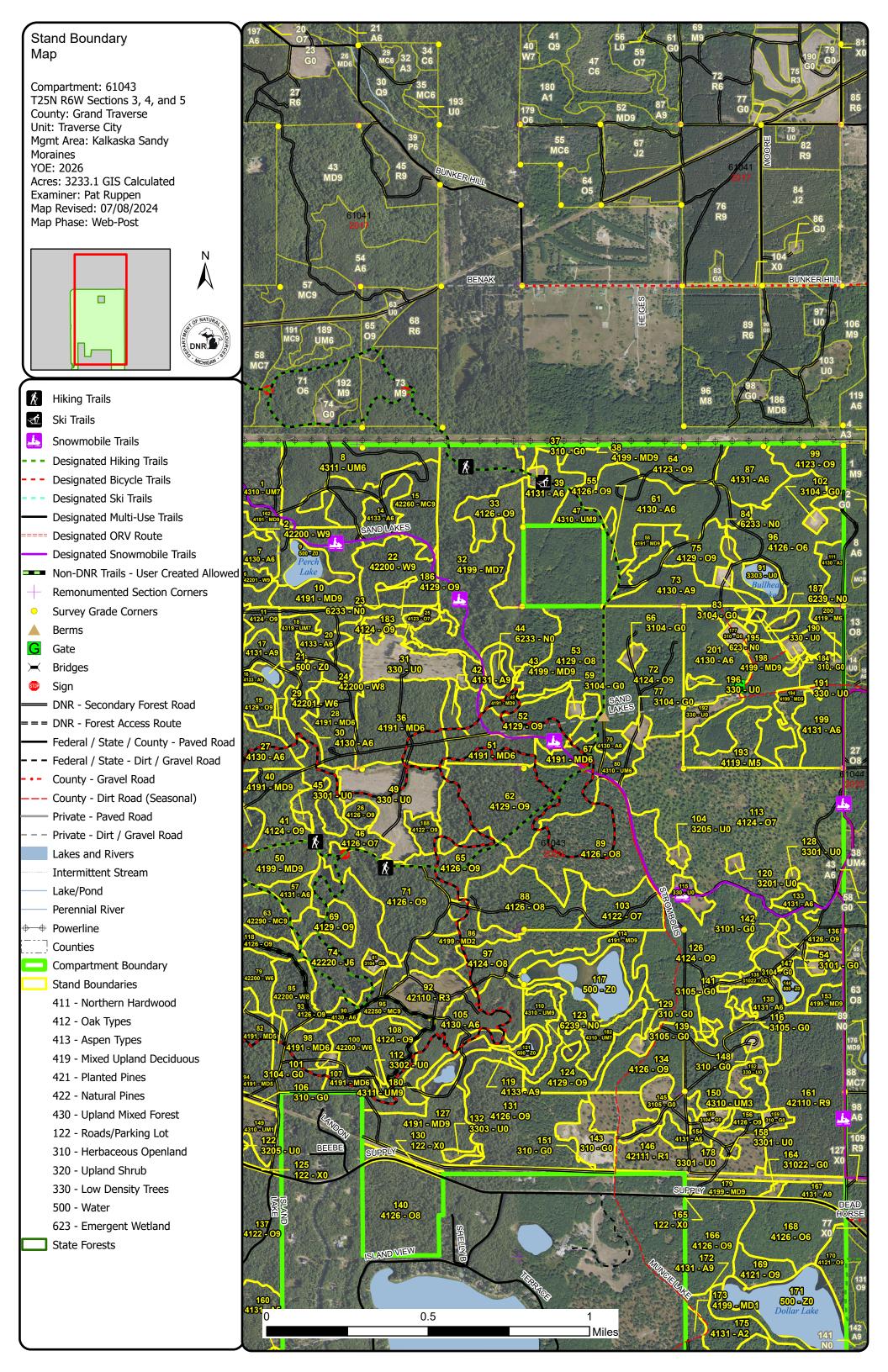
Base feature information, stand boundaries, cover types, and numbers

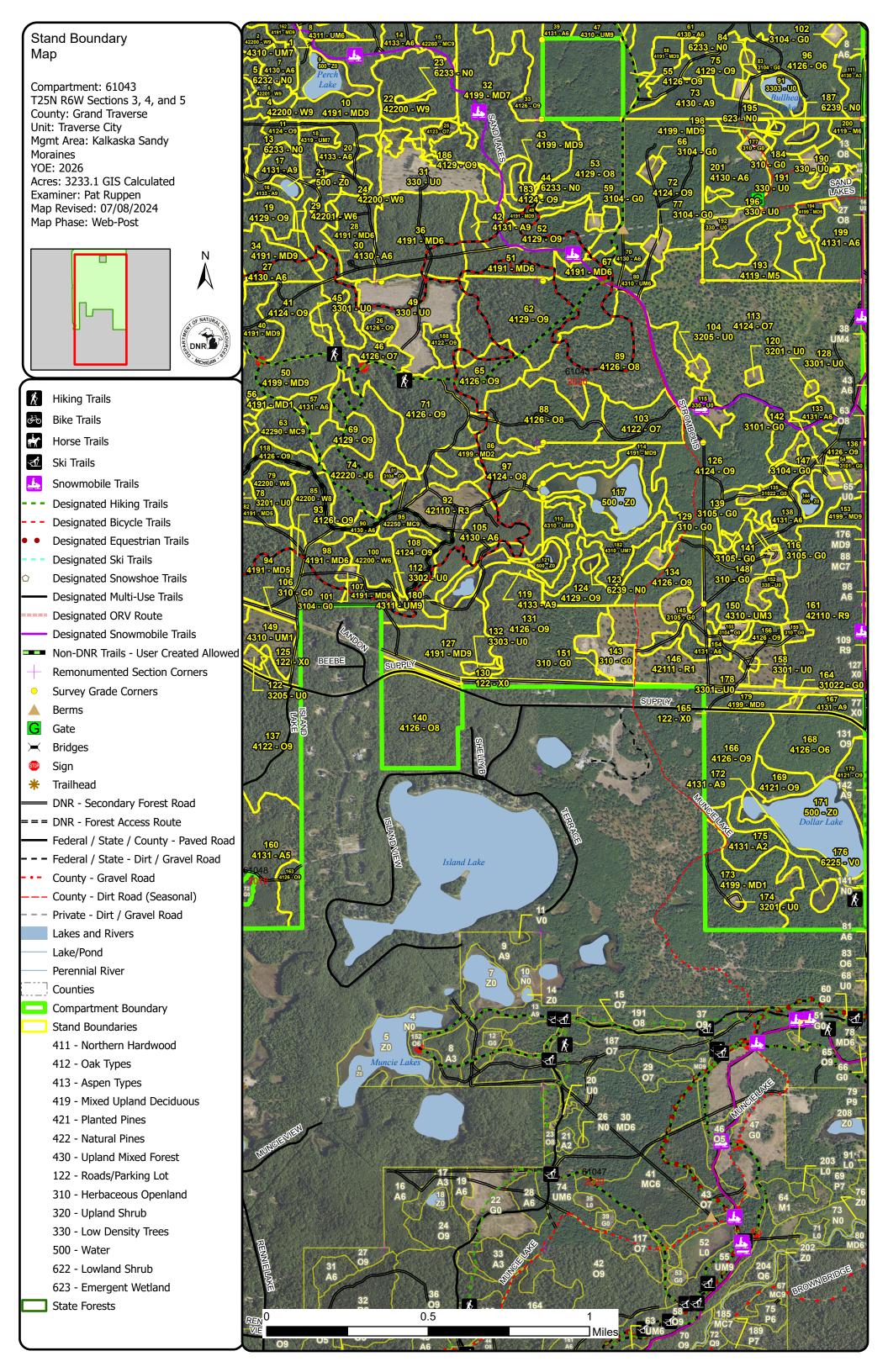
Proposed treatments
Site condition boundaries

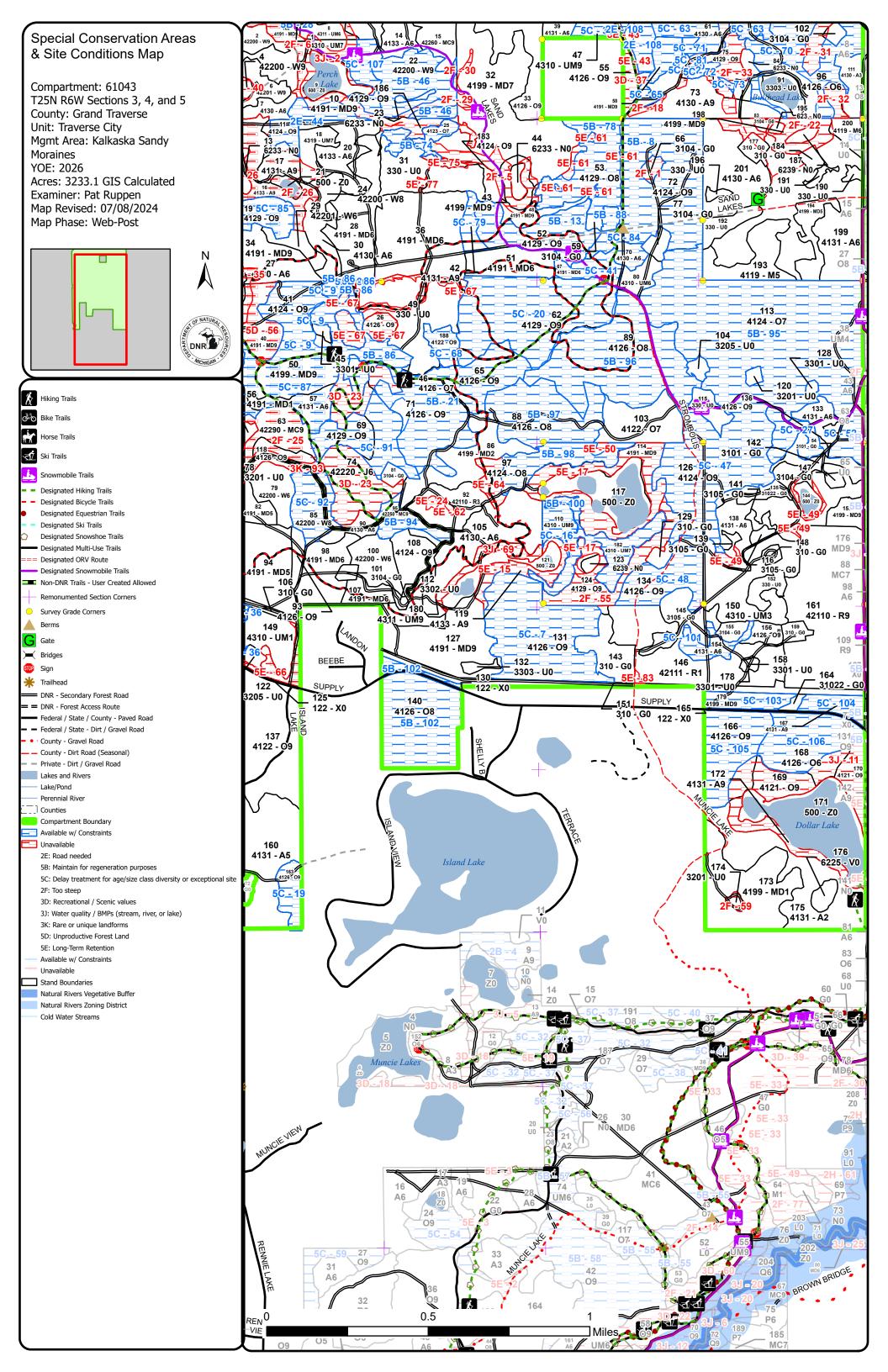
Details on the road access system

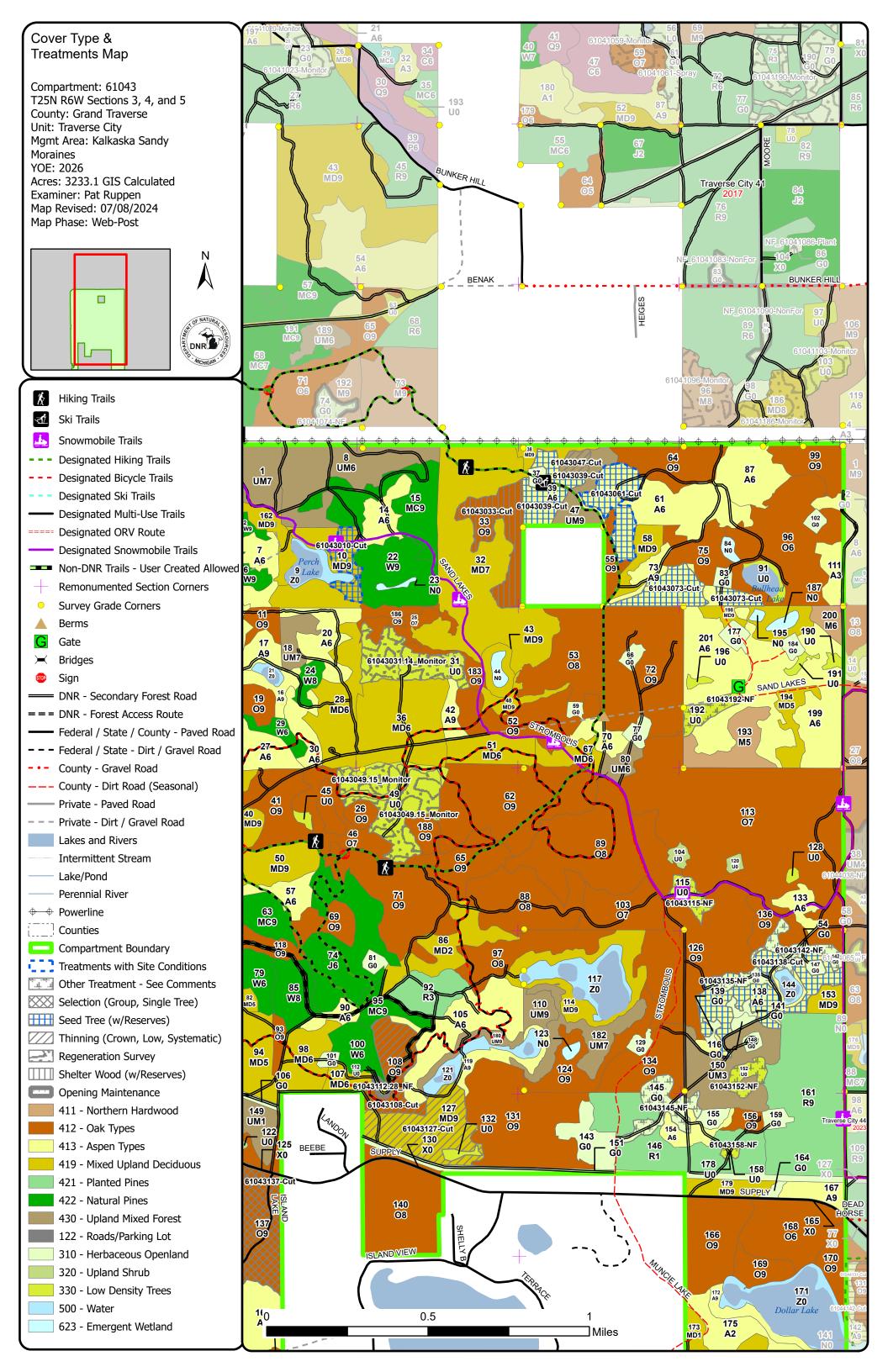


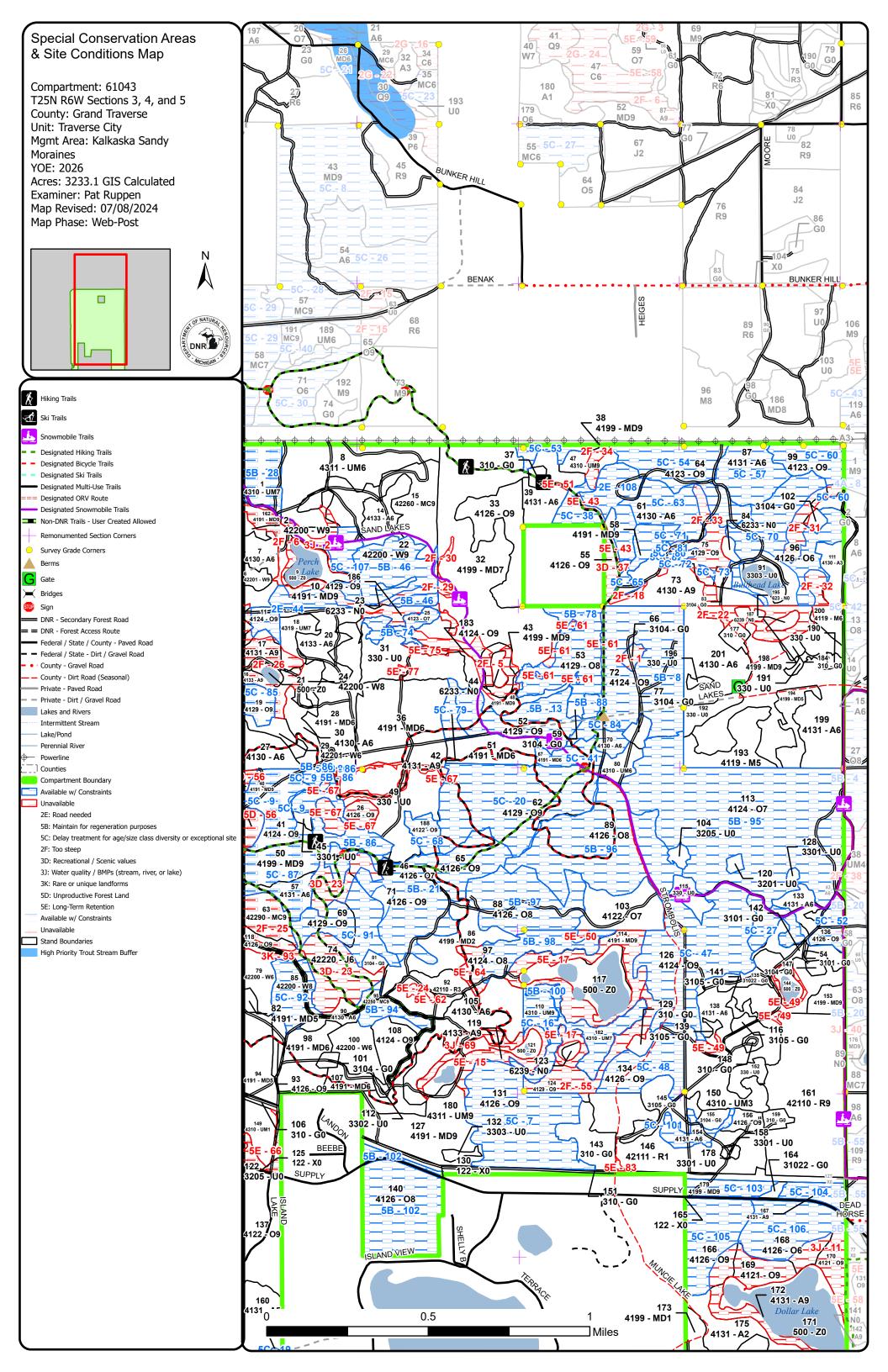












Traverse City Mgt. Unit

Pat Ruppen: Examiner

Compartment 43 Year of Entry 2026



Age Class

	- Sacre		\$ / <u>u</u>		P S	3/\$		3/8	\$ / R		\$ \ &	R S	S Z	Ø /8	R S			St Store	A LO
Aspen	0	0	42	72	83	121	176	0	16	7	32	0	0	0	0	0	0	0	548
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Herbaceous Openland	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	101
Jack Pine	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	0	0	44
Low-Density Trees	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Marsh	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Mixed Upland Deciduous	0	0	52	50	73	10	106	4	0	27	25	190	29	0	0	0	0	0	566
Natural Mixed Pines	0	0	0	0	0	0	0	0	9	50	0	0	0	0	0	0	0	0	59
Northern Hardwood	0	0	0	0	0	23	0	0	0	0	0	0	0	0	0	0	0	0	23
Oak	0	0	0	0	0	0	0	0	0	4	169	447	565	65	8	0	0	0	1256
Red Pine	0	59	0	0	0	0	0	0	72	0	0	0	0	0	0	0	0	0	131
Upland Mixed Forest	0	15	31	0	42	0	6	8	7	0	27	29	16	0	0	0	0	0	181
Upland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
White Pine	0	0	0	0	0	0	0	0	22	12	46	16	0	0	0	0	0	11	106
Total	320	74	125	122	198	154	288	12	170	100	299	682	610	65	8	0	0	11	3234



### **Report 2 - Treatment Summary**

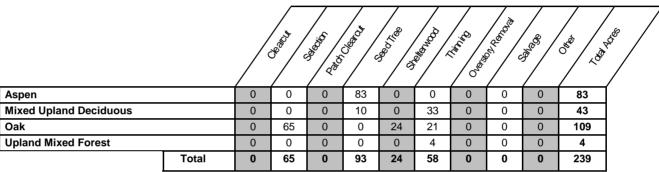
Traverse City Mgt. Unit Year of Entry: 2026

#### **Acres of Harvest**

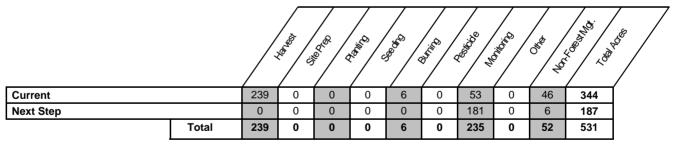
Compartment 43
Total Compartment Acres: 3,233

Commercial Harvest - 211 Harvests with Site Condition - 28 Next Step Harvest - 0 Habitat Cut - 0

### **Cover Type by Harvest Method**



### **Proposed and Next Step Treatments by Method**



Traverse City Mgt. Unit

Acres

Report 3 -- Treatments

BA

Range

Compartment: 43 Year of Entry: 2026

Age

Structure

**Cover Type** 

Objective

Habitat

Cut

**Proposed Treatments:** 

**Treatment** 

Name

61043010-Cut 9.9 4191 - Mixed Sawtimber 89 111-Harvest Seed Tree with 4319 - Mixed Two-Aged No Upland Deciduous Well 140 Retention **Upland Forest** 

**Treatment** 

Type

**Treatment** 

Method

with Conifer

Stand

CoverType

Prescription Mark to retain no more than 20 BA focusing on marking oak, white pine, and red pine.

Size

Density

Stand

Age

Specs:

S

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d

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, maple, pine.

Regen:

Include snowmobile protection spec and appropriate BMP buffers. Other

Comment:

Site Condition Age-Class or Site Quality

Proposed Start Date: 10/1 /2025

61043033-Cut 24 2 4126 - White. Sawtimber 107 81-110 Harvest Shelterwood 4191 - Mixed Two-Aged Nο 33 Black, N. Pin Oak Well Upland

Deciduous with Conifer

Prescription Mark to leave no more than 50 BA of oak and pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple hemlock, birch.

Regen:

No winter harvesting. Protect planted trees in stand 37 if used for a landing. Protect advanced white pine regeneration in the understory Other Comment:

during harvest. Include oak wilt spec in timber sale.

Site Condition

Proposed Start Date: 10/1 /2025

61043039-Cut 15.2 4131 - Aspen, Oak Poletimber 111-Harvest Seed Tree with 4319 - Mixed Two-Aged Nο Well

140

Retention

**Upland Forest** 

Prescription Harvest all trees down to 1 inch DBH except mark to leave no more than 20 BA of oak and pine.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, oak, pine, maple, hemlock, birch.

Regen:

Other Consult with Trails Specialist on retention around the VASA trail. Add trail protection specs. Protect planted trees in stand 37 if used for a

landing. Comment:

Site Condition

S t	Ira	verse Cit	ty Mgt. Unit		Repor	t3 ˈ	Treatments		Compartmen Year of Entry		DNR DNR
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
47	61043047-Cut	3.5	4310 - Pine, Oak Mix	Sawtimbe Well	r 114	111- 140	Harvest	Crown Thinning	4319 - Mixed Upland Forest	Two-Aged	No
Nex Trea Acc Reg Othe Con	cs: t Step atments: eptable oak, pir en:		n to 50-80 BA. Remo	·	n.						
Prop	oosed Start Date:	10/1 /2	025								
56	61043056- Burn	5.8	4191 - Mixed Upland Deciduous with Conifer	Sapling Poor	15	1-50	Burn	Opening	3205 - Mixed Upland Shrub		No

planting native mast bearing shrubs or trees, burning, or removal of woody encroachment. NonForestMgt, Herbaceous/Crop/Grass Planting Next Step

Treatments:

Acceptable Regen:

Burn in conjunction with stand 61042127. **Other** 

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

61 61043061-Cut 18.2 4130 - Aspen Poletimber 54 111-Harvest Seed Tree with 4131 - Aspen, Two-Aged No Well 140 Retention Oak

Prescription Mark to retain oak and some pine not to exceed 20 BA. Cut remaining stems down to 1 inch. One chain wide retention pocket along VASA Specs: trail is in the site condition layer.

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, oak, pine, maple, hemlock, birch.

Regen: **Other** 

Small opening in the southern tip just inside of stand 58 can be used for access. Include some areas along this road for decking.

Comment:

Site Condition Road Needed Proposed Start Date: 10/1 /2025

Report 3 -- Treatments Compartment: 43 S Year of Entry: 2026 ŧ а **Treatment** Acres Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 61043073-Cut 17.9 4130 - Aspen Sawtimber 141-Harvest Seed Tree with 413 - Aspen Two-Aged Nο Well 170 Retention Prescription Retain oak and pine not to exceed 20 BA. Cut remainder of the trees down to 2 inch. Treatment boundary may extend into stand 201. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, pine, maple, oak Regen: Other Decking may occur on stand 83 Comment: Site Condition Proposed Start Date: 10/1 /2025 108 61043108-Cut 20.7 4124 - Red with Sawtimber 111-Harvest Crown Thinning 4319 - Mixed Two-Aged No White Oak Well 140 **Upland Forest** Prescription Crop tree release down to 60-80 BA. Harvest all aspen and target more red maple for removal. Specs: Next Step Treatments: Acceptable Oak, maple, pine, aspen, hemlock, birch. Regen: Other Protect bike trail that runs through this stand. Comment: Site Condition Proposed Start Date: 10/1 /2025 115 61043115-NF 5.9 330 - Low-Density Nonstocked Unspec NonForestMgt Fruit Tree/Shrub 3204 - Mast No Trees ified **Planting** Producing Shrub Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and Specs: shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs. Next Step Treatments: **Acceptable** Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2025

127 61043127-Cut 33.4 4191 - Mixed Sawtimber 109 111-Harvest Crown Thinning 4319 - Mixed Two-Aged No **Upland Deciduous** Well 140 **Upland Forest** with Conifer

Prescription Thin for crop tree release. Basal area may be 40-80 range depending on quality. Target for removal: oak and poor formed trees and some of Specs: the larger pine, retaining most of the red & white pine throughout stand. Cut remaining aspen, jack pine, and red maple.

Next Step Treatments:

Acceptable Oak, aspen, maple, pine, hemlock, birch.

Regen:

<u>Other</u> Access road off of Supply road and across powerline easement. Treat with stand 108 to north.

Comment:

Site Condition

Traverse City Mgt. Unit Report 3 -- Treatments Compartment: 43 S Year of Entry: 2026 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment** Cover Type Age Habitat n Method Name CoverType Density Age Range Type Objective Structure Cut d 31022 - Warm 135 61043135-NF 3.6 Nonstocked Unspec NonForestMgt Fruit Tree/Shrub 3204 - Mast Nο Season Grass ified Planting **Producing Shrub** Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and Specs: cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs. Next Step Treatments: <u>Acceptable</u> Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 137 61043137-Cut Sawtimber 64.5 4122 - Oak, Pine Harvest 4319 - Mixed Nο 124 111-Group Selection Two-Aged Well 140 **Upland Forest** Prescription Retain well-formed oak (green mark) as found, targeting ~10BA of oak retention with some larger, wolfy oak included. Retain most White pine throughout stand. Attempt to protect existing advanced pine regeneration but encourage mowing the pockets of oak saplings to re-Specs: sprout. Residual stand will have a medium stocked pine overstory with scattered oak. Monitoring, Natural Regen (Re-Inventory) Next Step **Treatments:** Acceptable pine, oak, maple, aspen. Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025 138 61043138-Cut 31.3 4131 - Aspen, Oak Poletimber 111-Harvest Seed Tree with 413 - Aspen Two-Aged No 140 Retention Prescription Harvest all trees down to 2 inch DBH. Mark to leave no more than 20 BA of oak and pine. Treatment area may be significantly less than prescribed due to BMP's and slopes. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: <u>Acceptable</u> Aspen, red maple, oak, pine, hemlock, birch. Regen: May have areas of higher oak retention in pockets where there is better quality oak. SW lobe is steep hillside and could be retention area. Other Comment: Access needs to be determined. Site Condition Proposed Start Date: 10/1 /2025

142 61043142-NF 8.5 3101 - Poverty Nonstocked Unspec NonForestMgt Fruit Tree/Shrub 3204 - Mast No Grass, Cladonia ified **Planting** Producing Shrub

Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and Specs: cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs.

Next Step **Treatments:** 

Acceptable Regen:

**Other** Comment:

Site Condition

Traverse City Mgt. Unit Report 3 -- Treatments Compartment: 43 S Year of Entry: 2026 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d 3204 - Mast 145 61043145-NF 13.6 3105 - Mixed Nonstocked Unspec NonForestMgt Fruit Tree/Shrub Upland Herbaceous ified Planting **Producing Shrub** Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and Specs: cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs. Next Step Treatments: <u>Acceptable</u> Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 152 61043152-NF Unspec NonForestMgt Fruit Tree/Shrub 5.4 330 - Low-Density Nonstocked 3204 - Mast Nο Trees ified **Planting** Producing Shrub Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and Specs: cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs. Next Step Treatments: <u>Acceptable</u> Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2025

15861043158-NF1.43301 - Low DensityNonstockedUnspecNonForestMgtFruit Tree/Shrub3204 - MastNoDeciduous TreesifiedPlantingProducing Shrub

Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs.

Next Step Treatments:

Acceptable Regen:

Other

Comment:
Site Condition

Traverse City Mgt. Unit Report 3 -- Treatments Compartment: 43 Year of Entry: 2026 **Treatment Cover Type Treatment** Acres Stand Size Stand BA **Treatment** Age Habitat Method Objective Structure Name Density CoverType Age Range Type Cut 61043192-NF 6.6 330 - Low-Density Nonstocked Unspec NonForestMgt Fruit Tree/Shrub 3204 - Mast No Trees ified **Planting** Producing Shrub Prescription Selectively hand fell woody encroachment to maintain upland brush/grassland community. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could seed in native grasses and forbs.

Next Step **Treatments:** 

Specs:

S

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d 192

Acceptable Regen: Other

Comment: Site Condition

Proposed Start Date: 10/1 /2025

### **Approved Treatments:**

31 6104303 Moni		22.0 330 -	Low-Density Trees	Nonstocked	0	Unspec ified	Monitoring	Artificial Regen(3yr)	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
Prescription Specs:	Monitor see	edling survi	val and FTG s	tatus.							
Next Step Treatments:											
Acceptable Regen:	planted red	pine									
Other Comment:	Percent to	Treat = 100	)%								
Site Condition	<u>1</u>										
Proposed Sta	rt Date: 10	0/1 /2025									
49 6104304 Moni		31.3 330 -	Low-Density Trees	Nonstocked	0	Unspec ified	Monitoring	Artificial Regen(3yr)	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
Prescription Specs:	monitor see	edling survi	val and FTG s	tatus							
Next Step Treatments:											
Acceptable Regen:	planted red	pine									
Other Comment:	Percent to	Treat = 100	)%								
Site Condition	1										
Proposed Sta	rt Date: 10	0/1 /2025									

S t a	Traverse City Mgt. Unit				Repo	rt 3 '	Treatments	Compartmer Year of Entr	DNR		
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
112	61043112.28_ NF	1.2 3	302 - Low Density Conifer Trees	Nonstock	ed	Unspec ified	NonForestMgt	Brush Cutting	320 - Upland Shrub		No
Spec Next			ell woody encroach ifers for wildlife foo			upland br	ush/grassland co	mmunity. Leave s	cattered mast pr	oducing trees	s and
Acce Rege	e <u>ptable</u> en:										
Othe Com	<u>r</u> ment:										
Site (	<u>Condition</u>										

Total Treatment Acreage Proposed: 344.1

Compartment: 43

Traverse City Mgt. Unit

Pat Ruppen: Examiner Year of Entry: 2026

Availa	ability for	Managemer	nt											
Total	Acres	Acres Avail	Acres	0	omina	nt Site	e Con	ditions	8					
Acres	Available	With Condition	Not Available		2E	5B	5C	2F	3D	3J	3K	5D	5E	ed
548	385	104	60	Aspen	18	0	86	36	0	10		0	14	
4	4	0	0	Bog										
101	98	0	3	Herbaceous Openland		0	0	3						
44	0	13	30	Jack Pine		0	13		30					
96	89	0	7	Low-Density Trees			0						7	
15	14	0	1	Marsh				1						
564	387	80	97	Mixed Upland Deciduous	7	0	73	51	0	8		14	24	0
59	34	9	16	Natural Mixed Pines		9		16		0				
23	23	0	0	Northern Hardwood				0						
1257	158	964	136	Oak	5	519	440	57	9	28	10	0	33	0
131	129	0	2	Red Pine									2	
181	105	63	13	Upland Mixed Forest		49	14	5	0	8			0	
8	7	0	1	Upland Shrub				1						
5	5	0	0	Urban			0							
91	86	0	5	Water				4		0			0	
106	57	42	7	White Pine		26	16	7	0					
3,233	1,580	1,274	378	Total Forested Acres	29	603	642	181	39	55	10	14	80	0
	49%	39%	12%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Perch lake						

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3	Unavailable	2F: Too steep	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:	·			·	·	· ·
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	57	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Timber treatment c	ompleted 2010. Combination of	f crop t	tree release and understory re	elease.		
,							
	Available	5B: Maintain for regeneration purposes	58	Unspecified	Unspecified	Unspecified	Unspecified
8	Comments: 2014: stand was the		ond ag	e developing of white pine an	d red maple. Remaining	oak in canopy looks to be	fine. Let second age
8	Comments: 2014: stand was the grow in through into	regeneration purposes inned in prior entry period. Seco	ond ag	e developing of white pine an	d red maple. Remaining	oak in canopy looks to be	fine. Let second age
9	Comments: 2014: stand was the grow in through into 40-60.  Available  Comments:	regeneration purposes inned in prior entry period. Secondary stocking is variable.  5C: Delay treatment for age/size class diversity or	ond ag le of ca 22	e developing of white pine an anopy layer with some areas Unspecified	d red maple. Remaining fully stocked with oak. F	oak in canopy looks to be Portions of the stand have b Unspecified	fine. Let second age oa of residual reduced Unspecified

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	Available	5B: Maintain for regeneration purposes	27	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
	Comments: Recently harvested	TS# 018-06. Old re-ad sale that	at cove	ered multilpe ifmap stands. C	Cut orange marked and	all rm and dead oak.	
15	Unavailable	5E: Long-Term Retention	8	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
C	Comments:						
16	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7		Unspecified	Unspecified	Unspecified
1		n steep west facing slope. Som eaving this small patch of natura		er pine mixed in. Stand is o	verstocked but it would	be difficult to thin without dama	ging residual due to
17	Unavailable	5E: Long-Term Retention	28	2F: Too steep	3D: Recreational / Scenic values	3J: Water quality / BMPs (stream, river, or lake)	Unspecified
C	Comments:	<b>5E: Long-Term Retention</b> and Strombolis Lake	28	2F: Too steep			Unspecified
C S	Comments:		28	2F: Too steep  Unspecified			Unspecified Unspecified
<b>C</b> S	Comments: Steep slopes arour	nd Strombolis Lake			Scenic values	(stream, river, or lake)	
18 C	Comments: Steep slopes arour Unavailable	nd Strombolis Lake			Scenic values	(stream, river, or lake)	
18 C	Comments: Steep slopes arour Unavailable Comments: Available Comments:	2F: Too steep  5C: Delay treatment for age/size class diversity or	9	Unspecified Unspecified	Unspecified Unspecified	(stream, river, or lake)  Unspecified	Unspecifie

Compartment: 43

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20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	64	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 2008 harvest. com	nbination of crop tree release an	d unde	erstory release. Stand is cor	nverting back to white pine	from low quality oak.	
21	Available	5B: Maintain for regeneration purposes	60	Unspecified	Unspecified	Unspecified	Unspecified
5		k in most places. Could not ente ) but stocking is good.	er this	stand until this developes w	ithout damaging second a	ge. Second age is small di	ameter for likely age-4
22	Unavailable	2F: Too steep	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
C	Comments:						
23	Unavailable	3D: Recreational / Scenic values	33	2F: Too steep	Unspecified	Unspecified	Unspecified
٧	Comments: vest side of stand vine.	has a lot of influence from VASA	A trail.	With slopes and trail, it wou	uld be difficult to harvest. \$	Stand may be left to suceed	d naturally to ak and
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
25	Unavailable	2F: Too steep	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: stand is too step to	operate on for such low volume	e. Star	nd should be factor limited a	nd allowed to naturally cor	nvert as jack pine falls out.	
		operate on for such low volume	e. Star	nd should be factor limited a	nd allowed to naturally cor	overt as jack pine falls out.	

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26	Unavailable	2F: Too steep	40	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
27	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Part of TS#071-06	. Completed 7/10. Cut orange	marked a	nd all aspen/rm.			
28	Available	5B: Maintain for regeneration purposes	29	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand harvested in	2019 with oak and pine retention	on. Allow	new age to develop.			
29	Unavailable	2F: Too steep	11	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
30	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
31	Unavailable	2F: Too steep	8	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
32	Unavailable	2F: Too steep	3	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						

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33	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
34	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
35	Unavailable	2F: Too steep	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
2		f old large crowned oaks and pir the large old trees.	nes. Ke	ep for diversity. May want	to remove some of the po	or quality from the younger	age class that has
37	Unavailable	3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified
;		en private ownership and VASA ty make this inprobable.	pathway	y. Although this stand is s	omewhat overstocked reco	ommend letting this stand r	naturally develope. Trail
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: The younger age o	class needs to develope in this st	and. Th	ne part of the stand south	of the VASA Trail is heavie	r to pine but still has young	ger age class mixed in.

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40	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
41	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
		ut assumed that this would be a been filling in slowly. various ag					
43	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
44	Available	2E: Road needed	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cost to access star	nd would not be justified due to t	he sma	ıll acres available. Excess	ive roadwork needed.		
46	Available	5B: Maintain for regeneration purposes	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Allow second age t	o develop before trying to remov	/e addit	ional overstory. Excessive	e damage would occur to so	econd age in current condi	tion.
47	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	63	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: treating adjacent st	ands at this time and other adja	cent are	eas have recently been tre	ated.		

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Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: treating adjacent s	tands at this time and other adja	cent are	eas have recently been trea	ted.		
Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	1	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:						
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: recently treated						
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
	Comments: treating adjacent si Unavailable Comments: Unavailable Comments: Available Comments: Available Comments: recently treated Available	age/size class diversity or exceptional site quality  Comments:  treating adjacent stands at this time and other adja  Unavailable 5E: Long-Term Retention  Comments:  Unavailable 5E: Long-Term Retention  Comments:  Unavailable 5E: Long-Term Retention  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality	age/size class diversity or exceptional site quality  Comments:  treating adjacent stands at this time and other adjacent are  Unavailable 5E: Long-Term Retention 4  Comments:  Unavailable 5E: Long-Term Retention 1  Comments:  Unavailable 5E: Long-Term Retention 1  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  Comments:  recently treated  Available 5C: Delay treatment for age/size class diversity or exceptional site quality	age/size class diversity or exceptional site quality  Comments: treating adjacent stands at this time and other adjacent areas have recently been treating adjacent stands at this time and other adjacent areas have recently been treating adjacent stands at this time and other adjacent areas have recently been treating adjacent stands at this time and other adjacent areas have recently been treating adjacent stands at this time and other adjacent areas have recently been treating adjacent areas	age/size class diversity or exceptional site quality  Comments:  Treating adjacent stands at this time and other adjacent areas have recently been treated.  Unavailable 5E: Long-Term Retention 4 Unspecified Unspecified  Comments:  Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified  Comments:  Unavailable 5E: Long-Term Retention 1 3D: Recreational / Scenic values  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  Unspecified Unspecified  Unspecified Unspecified Unspecified Unspecified Unspecified age/size class diversity or exceptional site quality	age/size class diversity or exceptional site quality  Comments: treating adjacent stands at this time and other adjacent areas have recently been treated.  Unavailable 5E: Long-Term Retention 4 Unspecified Unspecified Unspecified  Comments:  Unavailable 5E: Long-Term Retention 1 Unspecified Unspecified Unspecified  Comments:  Unavailable 5E: Long-Term Retention 1 3D: Recreational / Scenic values  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  Comments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  To unspecified Unspe

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54	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments:						
55	Unavailable	2F: Too steep	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: DNR has option to	purchase this private parcel but	sale is	not finalized at this time.			
56	Unavailable	5D: Unproductive Forest Land	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: treated in last entry	y period					
57	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	21	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Prescribed similar	local stands this Y.O.E. Keep th	nis stand	d for future age class diver	rsity.		
59	Unavailable	2F: Too steep	1	Unspecified	Unspecified	Unspecified	Unspecified
-	Comments:						
60	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	14	2E: Road needed	Unspecified	Unspecified	Unspecified
	Comments:						

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61	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
62	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
63	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Part of stand recon	nmended for treatment this entry	/ period.				
64	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
65	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Harvesting adjacer	nt stand this entry. Maintain for o	diversity.				
66	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
67	Unavailable	5E: Long-Term Retention	17	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
(	Comments:						

Compartment: 43 **Traverse City Mgt. Unit** Year of Entry: 2026 Pat Ruppen: Examiner Unspecified Unspecified 68 5C: Delay treatment for 6 Unspecified Unspecified **Available** age/size class diversity or exceptional site quality Comments: Unspecified 3J: Water quality / BMPs Unspecified Unspecified Unspecified 69 Unavailable 7 (stream, river, or lake) Comments: Unspecified Unspecified Unspecified 70 Unspecified **Available** 5C: Delay treatment for 38 age/size class diversity or exceptional site quality Comments: Most of this stand is impacted by steep ground and poor road access. May be able to access parts of this stand when adjacent areas are treated. No action at this time. 71 **Available** 5C: Delay treatment for 2 Unspecified Unspecified Unspecified Unspecified age/size class diversity or exceptional site quality Comments: Due to steep ground, much of this stand is unavailable. Workable pieces could be examined when adjacent stands are treated. 72 5C: Delay treatment for 2 Unspecified Unspecified Unspecified **Available** Unspecified age/size class diversity or

#### Comments:

exceptional site quality

Due to steep ground, much of this stand is unavailable. Workable pieces could be examined when adjacent stands are treated.

Traverse City Mgt. Unit

Compartment: 43 Year of Entry: 2026 Pat Ruppen: Examiner

73	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Due to steep groun	nd, much of this stand is unavail	able. W	orkable pieces could be e	xamined when adjacent st	ands are treated.	
74	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand harvested in	n 2018 with retention. Allow new	age cla	ass to develop.			
75	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
76	Unspecified	Unspecified	0				
	Comments:						
77	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
78	Available	5B: Maintain for regeneration purposes	31	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: stand harvested in	2018 with retention. Maintain c	anopy u	ıntil new age develops.			
79	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Best to hold stand	until next entry and the harvest	with sta	nd to west and possible so	uth. Not enough volume to	o harvest this stand alone.	

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Compartment: 43 Year of Entry: 2026 Pat Ruppen: Examiner

80	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
	Due to steep grour	nd, much of this stand is unavail	able. \	Workable pieces could be e	xamined when adjacent st	ands are treated.	
81	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
(	Comments:						
	Due to steep grour	nd, much of this stand is unavail	able. \	Workable pieces could be e	xamined when adjacent st	ands are treated.	
82	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	0	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Oue to steep grour	nd, much of this stand is unavail	able. \	Workable pieces could be e	xamined when adjacent st	ands are treated.	
83	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
84	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Mixes with oak, rm	and pine in places and the aspe	en is s	maller diameters. Let this	stand grow in for now.		
85	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: slopes and access	issues. May be able to go with	anothe	er treatment. Consider treat	ing when stand to south is	harvested.	

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86	Available	5B: Maintain for regeneration purposes	18	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: Harvested 2018 wi	th retention. Allow new age to	develop	).						
87	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: Low quality oak fro	m sprouts with aspen and red r	naple.	Little quality to justify thinning	g. Allow stand to develop	before regeneration harve	est; possibly next entry.			
88	Available	5B: Maintain for regeneration purposes	2	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified			
	Comments: Recently harvested	ITS# 018-06. Old re-ad sale th	at cove	ered multilpe ifmap stands.	Cut orange marked and a	ll rm and dead oak.				
91	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	25	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: Larger older age of younger age develo	oak and pine with mixed young	ger age	with aspen clones, wp, rm,	and pockets of oak saplir	ngs and poles. Vasa Trail.	Let stand grow in as			
92	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments:  Mixed age stand on challenging terrain. Let stand develop and grow in before attempting harvest.									
93	Unavailable	3K: Rare or unique landforms	10	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: unique amount of la	arge old oak as they were part	of a ba	rrens area that has grown						

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94	Available	5B: Maintain for regeneration purposes	9	Unspecified	Unspecified	Unspecified	Unspecified
_	comments: lixed age stand wi	th regeneration growing throug	h from las	t harvest. Let stand dev	elop.		
95	Available	5B: Maintain for regeneration purposes	148	Unspecified	Unspecified	Unspecified	Unspecified
	comments: leavy oak saplings	s after harvest and prescribed b	ourn. Let s	stand develop.			
96	Available	5B: Maintain for regeneration purposes	68	Unspecified	Unspecified	Unspecified	Unspecified
_	comments: Shelterwood harves	st 2019. Let stand develop.					
97	Available	5B: Maintain for regeneration purposes	36	Unspecified	Unspecified	Unspecified	Unspecified
	comments: Stand has very well	I stocked understory. Let stand	d grow in.	Trying to remove oversto	ory will damage advanced	regeneration.	
98	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
	comments: Stand thinned in 20	18. Crown thinning with regen	eration ga	ps. Let stand develop.			
100	Available	5B: Maintain for regeneration purposes	20	Unspecified	Unspecified	Unspecified	Unspecified
_	comments: Stand harvested in	2018. Clear-cut with retention	Let stand	d develop.			

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Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
mments:		Cara N				
na surrounaea	by open ground or young planta	itions. In	to need to narvest at this t	ime.		
Available	5B: Maintain for regeneration purposes	46	Unspecified	Unspecified	Unspecified	Unspecified
mments: nd crown thinn	ed in 2018. Let new age develo	p.				
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
					Hanna-Wad	1100000000
Available	age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
nments:						
volume would	be available to harvest. Wait u	ntil adjad	cent stand is harvested th	en stand could be thinned.		
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified
nments:						
ge nearby sale	prescribed for harvest. This co-	uld be tre	eated but best to wait for t	the adjacent stand to be hare	ested and planted.	
Available	5C: Delay treatment for	27	Unspecified	Unspecified	Unspecified	Unspecified
	mments: nd surrounded  Available  mments: nd crown thinne  Available  mments: volume would  Available  mments: volume would  Available	age/size class diversity or exceptional site quality  nments:  Available 5B: Maintain for regeneration purposes  nments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  nments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  nments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  nments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  nments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  nments:  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  nments:	age/size class diversity or exceptional site quality  nments:  Indicate surrounded by open ground or young plantations. Note that surrounded by open grounded by ope	age/size class diversity or exceptional site quality  naments: Indicate the surrounded by open ground or young plantations. No need to harvest at this is a surrounded by open ground or young plantations. No need to harvest at this is a surrounded by open ground or young plantations. No need to harvest at this is a surrounded by open ground or young plantations. No need to harvest at this is a surrounded by open ground or young plantations. No need to harvest at this is a surrounded by open ground or young plantations.  Available 5C: Delay treatment for 9 Unspecified age/size class diversity or exceptional site quality  Interest of the surrounded by open ground or young plantations. Wait until adjacent stand is harvested the surrounded by open grounded by open g	age/size class diversity or exceptional site quality  nments:  Ind surrounded by open ground or young plantations. No need to harvest at this time.  Available 5B: Maintain for 46 Unspecified Unspecified  Tregeneration purposes  Index crown thinned in 2018. Let new age develop.  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  International SC: Delay treatment for age/size class diversity or exceptional site quality  International SC: Delay treatment for age/size class diversity or exceptional site quality  International SC: Delay treatment for age/size class diversity or exceptional site quality  International SC: Delay treatment for age/size class diversity or exceptional site quality  International SC: Delay treatment for 26 Unspecified Unspecified  Available 5C: Delay treatment for 26 Unspecified Unspecif	age/size class diversity or exceptional site quality  mments: Ind surrounded by open ground or young plantations. No need to harvest at this time.  Available 5B: Maintain for regeneration purposes  mments: Ind crown thinned in 2018. Let new age develop.  Available 5C: Delay treatment for age/size class diversity or exceptional site quality  mments: Industry of the control of the

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107	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified
Co	omments:						
Ma	ay not be enough	volume to be commercially via	ble. May	want to try to sell as sma	all sale which may be picke	d up by someone working i	in area.
108	Available	2E: Road needed	18	Unspecified	Unspecified	Unspecified	Unspecified
	omments: ccess is poor in a	rea due to poor quality of existir	ng roads o	due to orv and side by sid	de use. Road improvemen	ts will need to be addresse	d.
109	Unspecified	Unspecified	0				
Co	omments:						

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Compartment: #Type! Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Mgt. Unit Compartment:
Year of Entry

## 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 Type Description
Area

ERA = Ecological Reference Area

HCVA = High Conservation Value Area

SCA = Special Conservation Area

Stan		over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
1	4310 - Pi	ne, Oak Mix	<	Sawtimbe	er Poor	28.9	104	1-50	N/A		2023: Some regeneration forming in stand. Small pockets of aspen
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sprouts along with red maple sprouts. A small amount of oak sprouts and white pine seeding in. Expect more white pine to develop in new
	Northern Pin Oak	2	Log	14		R	ed Oak	Low	< 5 feet	Sapling	age. 2020: TS# 0787-17. Harvest 2019. Cut all but red and white pine
	Red Oak	27	Log	16	104	Hazelr	nut (Beaked)	Low	< 5 feet	Tall Shrub	and green marked retention. Tried to retain @ 40 baf but heavier where
	Red Pine	15	Log	14		W	nite Pine	Low	Variable	Sapling	pine overstory was heavier. Edge call after harvest. Verify at next inventory. 2014: Poor quality oak log and poles with aspen/pine mix and
	White Pine	38	Log	15	104	Bigto	oth Aspen	Low	5 - 10 feet	Sapling	red maple. White pine understory thick in places.
	White Oak	15	Log/Pole	13	108	W	hite Oak	Low	< 5 feet	Sapling	
	Red Maple	3	Pole/Log	9		Re	d Maple	Low	5 - 10 feet	Sapling	
2	42200 - Nat	ural White F	Pine	Sawtimbe	er Well	11.5	90	81-110	N/A		2023; Nice pine and oak mix along drain. May want to get some of the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	larger pine and oak put. 2014:White and red pine (most is white) overstory.
	Red Pine	20	Log	14		Re	d Maple	Low	Variable	Sapling	ovoidiony.
	Red Oak	5	Log/Pole	12		R	ed Oak	Low	Variable	Sapling	
	Bigtooth Aspen	2	Log	16		W	nite Pine	Medium	Variable	Sapling	
	White Pine	60	Log	14	90	W	hite Oak	Low	Variable	Sapling	
	Northern Pin Oak	3	Log	14					1	'	
	White Oak	5	Log	12							
	Red Maple	5	Log/Pole	10							
3	4130	- Aspen		Sapling	Poor	2.5	14	51-80	N/A		2023: Good regeneration after last harvest.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Oak	2	Sapling	2		W	nite Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	79	Sapling	2	14						
	Jack Pine	2	Sapling	2	13						
	White Pine	5	Sapling	2	14						
	Red Maple	10	Sapling	2	14						
	Red Oak	2	Sapling	2	14						
4	42200 - Nat	ural White F	Pine	Sawtimbe	er Well	5.6	89	141-170	N/A		Slope around potlone depression
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	5	Log	13	89	W	nite Pine	Low	>20 feet	Sapling	
	Bigtooth Aspen	10	Log	13	89	Re	d Maple	Low	>20 feet	Pole	
	White Pine	69	Log	14	89						
	Black Cherry	1	Pole	8							
	White Oak	3	Pole/Log	9							
	Red Maple	10	Pole/Log	9							
	Red Oak	2	Log	14							



Stand	Level 4 C	over Type	:	Size Density		Acres	Stand Age B	A Range	Managed :	Site	General Comments
5	6232 - V	Vet Prairie		Nonsto	cked	1.4		nspecified	No		Has small upland portion on north edge. Frogs. Some standig water.  Unlisted is an unknown shrub.
							nopy Species		Avg. Height	Size	
						Mixe	d Grasses	High		Non-Wood	
						Wh	nite Pine	Low		Seeding	
							lushes	Trace		Non-Wood	
						Unlisted -	See Comments	s Medium			
6	42201 - Natural Dec	White Pine iduous	, Mixed S	awtimb	er Well	10.0	79	1-50	N/A		2023; MIXED SIZES OF WHITE PINE. SOME OLDER ASPEN BUT MOST IS LIKELY IN THE YOUNGER AGE. Looks like they left some
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak, pine, rd maple when stand was harvested. Let stand grow in. 2004: Two age stand. Both ages counted in canopy.
	Red Pine	10	Log/Pole	12	79	Wh	nite Pine	Medium	Variable	Sapling	The age stand. Both ages sounted in earlopy.
	White Pine	60	Log	14	79						
	Red Oak	3	Pole/Sapling	5							
	Red Maple	5	Pole/Sapling	5							
	Bigtooth Aspen	20	Pole/Sapling	5	25						
7	4130	- Aspen	P	oletimb	er Well	15.9	34	111-140	N/A		Good growth, height and stocking for aspen. Likely left all pine and oak
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	at last harvest.
	Red Pine	3	Log	13			nite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	8	Pole	6	34						
	Bigtooth Aspen	75	Pole	6	34						
	White Oak	2	Log	14	79						
	White Pine	10	Log	14	79						
	Red Oak	2	Sapling	3	34						
8	4311 - Pin	e, Aspen M	lix P	oletimb	er Well	42.2	36	111-140	N/A		2023: Stand is on side hill and will be difficult to work. Let aspen peak in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	volume before harvesting. Aspen can gain more volume. Some larger older aspen and red maple but most is in the younger age class. May
	Red Maple	6	Pole	8	25	Wit	ch Hazel	Medium	10 - 20 feet	Tall Shrub	have left smaller un-merchantable aspen last harvest. The pine is
	White Oak	6	Pole	7		Wh	nite Pine	High	Variable	Sapling	getting large. Looks like most aspen, oak, red maple cut last time and
	Red Pine	15	Log	14	90	Bigto	oth Aspen	Low	>20 feet	Sapling	pine left. Pine is large with good stocking of younger age class through stand.
١	Northern Pin Oak	3	Pole/Log	8						,	. otana.
	Bigtooth Aspen	40	Pole	7	36						
	White Pine	30	Log/XLog	16	90						
9	500 -	- Water		Nonsto	cked	9.8	U	nspecified	No		Frogs. Wet meadow around perimeter. Wet meadow range from 10-15f
						Sub-Ca	nopy Species	Density	Avg. Height	Size	wide.
						Wa	aterlillies	Low		Non-Wood	
						Ca	ttail spp.	Trace		Non-Wood	
						Mixe	d Grasses	Trace		Non-Wood	
						F	lushes	Low		Non-Wood	
						S	edges	Low		Non-Wood	

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Stand	Level 4 C	over Type		Size Density		Acres Stand Age	BA Range	Managed	Site	General Comments	
10	4191 - Mixed Upl Co	and Decidu	ous with	Sawtimb	er Well	26.7 89	111-140	N/A		2023: Only the East side of stand could be accessed due to slopes and riparian concerns.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	Approximately 10 acres is available to harvest. May not be enough volume for commercial harvest. Look at thinning adjacent stand 22 to	
	Red Maple	10	Pole	9		White Oak	Low	10 - 20 feet	Sapling	join with this stand. An old skid road comes south through the stand to	
	Red Oak	20	Log/Pole	13		White Pine	Low	Variable	Sapling	the east. May be useful for getting some of this out south of the lake.	
	White Oak	20	Log/Pole	13		Red Pine	Low	10 - 20 feet	Sapling	Aspen is old and falling out. Consider getting most aspen out and poor formed of other species. Stand will likely form new age in understory of	
	Bigtooth Aspen	30	Log	14	89	Red Maple	Low	>20 feet	Sapling	aspen, red maple, white pine and oak. South of lake is heavier to oak,	
	White Pine	15	Log/Pole	14					,	maple mix but does have aspen mixed through. May be difficult to	
	Red Pine	5	Log	13	114					access due to terrain but some areas could be harvested. Use proper riparian protection measures. Un-authorized bike trails in area. Snowmobile trail through stand is access.	
11	4124 - Red	with White	Oak	Sawtimb	er Well	6.0 114	111-140	N/A		. 2023: Older oak with pine, rm, aspen. Mixed sizes. No interesting.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	2014: Mixed oak logs and poles with some aspen and pine. Average quality and stocking.	
	White Oak	25	Log	14		White Oak	Low	>20 feet	Sapling	quality and oldoning.	
	Bigtooth Aspen	10	Log	14		White Pine	Medium	Variable	Sapling		
	Northern Pin Oak	10	Log	14		Red Oak	Low	>20 feet	Sapling		
	White Pine	3	Log	12		Red Maple	Low	>20 feet	Sapling		
	Red Pine	2	Log	13						-	
	Red Maple	10	Pole	8							
	Red Oak	40	Log	16	114						
13	6233 - W	et Meadow	ı	Nonsto	cked	3.7	Unspecified	No		2014: small pond at south end w/grass and rushes along perimeter. Sa cedar waxwings, frogs. Mudrunning - need to restrict vehicular access	
						Sub-Canopy Spec		Avg. Height	Size	(will be difficult)	
						White Pine	Low		Seeding		
						Mixed Grasses	High		Non-Wood		
						Sedges	Low		Non-Wood		
						Rushes	Trace		Non-Wood		
14	4133 - Asp	en, Mixed P	ine	Poletimb	er Well	11.5 25	81-110	N/A		2023: Let aspen grow in. Pine is getting large. 2014: white and red pine overstory with aspen regeneration. Aspen counted as canopy 2 age	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spec	ies Density	Avg. Height	Size	oversiony with aspen regeneration. Aspen counted as carropy 2 age	
	White Pine	15	Log	15		White Pine	Medium	10 - 20 feet	Sapling		
	White Oak	5	Log/Pole	12		Black Cherry	Low	10 - 20 feet	Sapling		
	Red Pine	5	Log	16	99	Red Oak	Low	10 - 20 feet	Sapling		
	Bigtooth Aspen	75	Pole	6	25	Red Maple	Medium	10 - 20 feet	Sapling		



Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed :	Site	General Comments
15	42260 - Natural Pi	ne, Mixed [	Deciduous	Sawtim	oer Well	34.0	89	81-110	N/A		2023: Mixed white pine sizes with pockets of poles and saplings. Areas
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	with aspen poles and saps. Mixed aspen sizes. Let stand grow in. Pine is getting large but aspen needs to grow in.
	White Oak	5	Pole	8		Red	d Maple	Medium	>20 feet	Sapling	lo getting large but appear needs to grow in.
	Bigtooth Aspen	20	Pole	8	25	Witc	ch Hazel	Low	5 - 10 feet	Tall Shrub	
	White Pine	40	Log	14	89	Wh	ite Pine	Low	Variable	Sapling	
	Red Oak	5	Pole	8		Wh	ite Oak	Low	10 - 20 feet	Sapling	
	Red Pine	30	Log	16	95						
16	4133 - Aspe	en, Mixed P	ine	Sawtim	oer Well	22.0	94	111-140	N/A		2023: Steep slopes around ice depressions.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	50	Log	14	94	Red	d Maple	Low	>20 feet	Pole	
	Red Oak	10	Log	14		Wh	ite Pine	Medium	10 - 20 feet	Sapling	
	White Oak	10	Log	12		Witc	ch Hazel	Low	5 - 10 feet	Tall Shrub	
	White Pine	25	Log	15							
	Red Pine	5	Log	12							
17	4131 - A	spen, Oak		Sawtim	oer Well	7.3	89	81-110	N/A		2023: Steep bowl above pothole lake. Not practical to manage.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Oak	15	Log	15	89	Red	d Maple	Low	10 - 20 feet	Sapling	
	White Oak	15	Log	14		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Northern Pin Oak	5	Log	14							
	White Pine	8	Log/Pole	13							
	Bigtooth Aspen	50	Log	12	89						
	Red Pine	2	Log	12							
	Red Maple	5	Pole/Log	9							
18	4319 - Mixed	Upland Fo	prest	Sawtiml	er Poor	8.3	66	1-50	N/A		2023:Moved stand to forested from un-forested . 2014: fairly recent fire.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Thick carpet of poverty or penn sedge. old stumps.
	White Pine	40	Log	14	66	Wh	ite Pine	Low	Variable	Sapling	
	Bigtooth Aspen	20	Log	12	66	Red	d Maple	Low	5 - 10 feet	Sapling	
											_
	Red Maple	25	Pole	8							
	Red Maple White Oak	25 10	Pole/Log	8							



Stanc	Level 4 Cover Type Size De		ensity	Acres	Stand Age B	A Range	Managed 9	Site	General Comments  2023: Stand has been harvested in past as rm is younger age class.		
19	4129 -	Mixed Oak		Sawtimb	er Well	30.3	109	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Older aspen clones in spots and some individual trees scattered throug stand, Areas with heavy stocking of wp poles and saps. Could
	White Pine	5	Log/Pole	14		Re	d Maple	Low	>20 feet	Sapling	harvested older aspen and mark for removal poor formed trees in the re-
	Red Maple	10	Pole	8		R	ed Oak	Low	10 - 20 feet	Sapling	of the stand. Not very interesting due to the slopes and access issues.
	Red Oak	35	Log/Pole	15	109	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	May be able to go with another treatment. Consider treating when stand to south is harvested.
	Bigtooth Aspen	10	Log	14		W	nite Pine	Medium	10 - 20 feet	Sapling	to south is narvested.
ı	Northern Pin Oak	5	Log	14		W	hite Oak	Low	10 - 20 feet	Sapling	
	White Oak	30	Log/Pole	13	109						-
	Red Pine	5	Log/Pole	12							
20	4133 - Asp	en, Mixed P	ine	Poletimb	er Well	16.7	39	51-80	N/A		Large oak and white pine remnants scattered around with younger age
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	grown in. Some areas heavy to wp poles while others are heavier to aspen and red maple. Let stand grow in.
	White Oak	3	Pole	6		W	nite Pine	Low	5 - 10 feet	Sapling	aspert and red maple. Let stand grow in.
	White Pine	20	Pole	6	69	W	hite Oak	Low	< 5 feet	Sapling	
	Red Oak	10	Pole	6	39	R	ed Oak	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	40	Pole	8	39					,	•
	Red Maple	27	Pole	6	39						
21	500	- Water		Nonst	ocked	2.5	U	nspecified	No		The 2 track leading to this NFS has a steep sandy section that probably is prone to erosion. Frogs. Mudrunning - restrict vehicular access.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	is profile to erosion. Progs. Mudifulling - restrict verticular access.
							Sedges	Medium		Non-Wood	
						F	Rushes	Low		Non-Wood	
					L	Mixe	d Grasses	Medium		Non-Wood	
22	42200 - Nat	ural White F	Pine	Sawtimb	er Well	28.5	99	111-140	N/A		2023: Hilly terrain with mix of ridges and pothole depressions. Mix of
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	white pine sizes but some is getting large. Could be thinned or left to grow in and gain size. Best to let the aspen and red maple second age
	Yellow Birch	1	Pole	8		Bigto	oth Aspen	Low	>20 feet	Sapling	grow in. Once it is merchantable aspen could be harvested and white
	Bigtooth Aspen	3	Pole	8	35	W	nite Pine	Low	Variable	Sapling	pine overstory could be reduced to expand aspen. May take 20 years.
	White Oak	6	Pole	8		R	ed Oak	Low	10 - 20 feet	Sapling	WP may get too large by then but damage to second age would be excessive at this time if harvested.
	White Pine	70	Log/Pole	14	99	W	hite Oak	Low	10 - 20 feet	Sapling	oxecosive at the time in harvested.
	Red Maple	10	Pole	8	35	Re	d Maple	Low	>20 feet	Sapling	
	Red Pine	10	Log/Pole	13	99						
23	6233 - W	Vet Meadow	1	Nonst	ocked	1.0	U	nspecified	No		2024: Pretty wet. More of a pond. 2014:Saw two bear cubs close by.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Mixe	d Grasses	Low		Non-Wood	
						Bra	cken Fern	Low		Non-Wood	
						Spha	gnum Moss	Medium		Non-Wood	
						5	Sedges	Medium		Non-Wood	
						F	Rushes	Medium		Non-Wood	
											1

Low

Leatherleaf

Tall Shrub



Stand	Level 4 C	over Type		Size Densi	ty Acre	es Stand Age B	A Range	Managed \$	Site	General Comments
24	42200 - Natu	ıral White F	Pine Sa	awtimber Me	dium 5.1	94	1-50	N/A		2024: Understory is formed after last harvest. Move to canopy level next
С	anopy Species	% Cover	Size Class	DBH A	je Sub-	Canopy Species	Density	Avg. Height	Size	residual red and white most white called canopy 2nd age is
	White Pine	95	Log/Pole	15 9	4	White Pine	Medium	>20 feet	Sapling	regeneration formed after that treatment
	Red Pine	5	Log	12		Red Maple	Medium	>20 feet	Sapling	
						Red Oak	Low	>20 feet	Sapling	
						White Oak	Low	>20 feet	Sapling	
					В	igtooth Aspen	High	>20 feet	Sapling	
25	4123 -	Red Oak	;	Sawtimber F	oor 7.3	3 99	1-50	N/A		2023: Poor regeneration after harvest. Probably deer impact. RM
С	anopy Species	% Cover	Size Class	DBH A	je Sub-	Canopy Species	Density	Avg. Height	Size	sprouts and light wp seedlings. A few patches of aspen but should have been much. TS#051-16. Harvested fall season 2018. Cut to 2" dbh
	Red Oak	80	Log/Pole	14 9	9	Red Maple	Low	5 - 10 feet	Sapling	except leave green marked retention. Expect aspen, maple, oak regen.
No	rthern Pin Oak	5	Log	12		White Pine	Low	5 - 10 feet	Sapling	
	White Pine	3	Log	12	В	igtooth Aspen	Low	5 - 10 feet	Sapling	
	White Oak	10	Log/Pole	12						
	Red Pine	2	Log	12						
26	4126 - White, E	Black, N. Pi	n Oak	Sawtimber V	Vell 9.2	2 109	111-140	N/A		2023: Steeper areas in depressions that were left as retention areas
С	anopy Species	% Cover	Size Class	DBH A	je Sub-	Canopy Species	Density	Avg. Height	Size	when TS# 043-16. was harvested. Separated into stand with Long term retention site condition.
	Red Maple	5	Log/Pole	10		Red Maple	Medium	10 - 20 feet	Sapling	retention site condition.
	White Oak	45	Log/Pole	14 10	9	White Pine	Medium	Variable	Sapling	
	White Pine	10	Log/Pole	12 8	2	Red Pine	Low	5 - 10 feet	Sapling	
	Red Pine	10	Log/Pole	12 8	2	Witch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Oak	30	Log/Pole	14						
27	4130	- Aspen	1	Poletimber V	Vell 19.	5 44	81-110	N/A		2024: Stand could be harvested to re-start or could hold until next entry.
С	anopy Species	% Cover	Size Class	DBH A	je Sub-	Canopy Species	Density	Avg. Height	Size	Looks best to hold.  Good height growth on aspen but could put on good volume with
	Red Maple	10	Pole	7		Red Maple	Low	>20 feet	Sapling	increase diameter growth.
	Red Oak	2	Pole	6		White Pine	Low	>20 feet	Sapling	Looks like aspen will hold well on this site. Consider pushing bac to
Bi	gtooth Aspen	80	Pole	8 4	4	Red Oak	Low	>20 feet	Sapling	stand to south and west when this is harvested. Old landing on road south of stand. Steep slope in NW corner could be retention area. Also
	White Oak	3	Pole	6		White Oak	Low	>20 feet	Sapling	strip through center may have been retention island last time that is
	White Pine	5	Log/Pole	10	В	igtooth Aspen	Low	10 - 20 feet	Sapling	heavier to oak and pine. Scattered retention of oak and pine through
										stand as well. 2014: 30 yr old stand formed after final harvest a few residual pine, oak left
28	4191 - Mixed Upla Co	and Decidu	ous with	Poletimber V	Vell 28.	2 25	51-80	N/A		2023: Mixed upland after last harvest. Let stand develop. RM OAK and Aspen from sprouts.
С	anopy Species	% Cover	Size Class	DBH A	ge Sub-	Canopy Species	Density	Avg. Height	Size	Some older trees mixed in left from last harvest. 2014: 2 aged white pine left from last treatment. Good stocking of oak in openings but
	Red Maple	30	Pole	6 2		Red Oak	Low	5 - 10 feet	Sapling	getting browsed badly.
		4.5	Pole	6 2	5	White Pine	Low	Variable	Sapling	·
Bi	gtooth Aspen	15	1 016	0 2	_	***************************************			1 0	
Bi	gtooth Aspen Red Pine	5	Log	12		Witch Hazel	Low	5 - 10 feet	Tall Shrub	
	• .									

Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age B	BA Range Managed Site			General Comments
29	42201 - Natural Dec	White Pine, iduous	, Mixed F	Poletim	oer Well	5.6	86	111-140	N/A		2023: Mixed sized of WP with poles and saplings growing through. 2014: looks like this area may be good to keep and let pine develop. Only a 6
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	acre stand. Look and determine if this is .mostly WP regen  Both ages counted as canopy
	White Oak	5	Pole	8	114	W	hite Oak	Low	10 - 20 feet	Sapling	Almost multi aged WP
	Red Oak	5	Pole	8		WI	nite Pine	Medium	10 - 20 feet	Sapling	
	Red Maple	15	Pole	6	49	R	ed Oak	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	5	Log/Pole	12	49	Re	d Maple	Low	10 - 20 feet	Sapling	
	Red Pine	5	Pole/Log	8						1	
30	4130	- Aspen	F	Poletim	oer Well	9.8	39	111-140	N/A		2024: Well stocked pole stand. Could harvest or let grow in another
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	cycle. 2014: 30 year old stand after final harvest with scattered white pine reserved in canopy. A good bit of red maple stump sprouts Good
	Red Oak	2	Pole	6	39	Re	d Maple	Medium	5 - 10 feet	Sapling	oak regen in openings but getting browsed badly. Some is getting
	White Oak	3	Pole	6	39	Ja	ick Pine	Low	5 - 10 feet	Sapling	through in thicker areas
	White Pine	5	Log	14	79	WI	nite Pine	Medium	Variable	Sapling	
	Bigtooth Aspen	70	Pole	7	39			'		'	
	Red Maple	20	Pole	6	39						
31	330 - Low-l	Jensity Tie	65	Nonst	OCKEU	22.8	0 Ur	nspecified	4211 - Planted	Neu Fille	2023: Good survival and growth for seedlings. Little competition. Some yellowing of needle tips. Drought stress. 2022 Fall 10/25/2022 Stand's First Year Regen Survey was completed; Stand has an estimated 850 trees per acre and is 98% free to grow at this time. 2022 Spring - Stand was Planted to Red Pine 5/6/2022 2021: Site prep spray skidder. Treatment did not seen very effective and skipped areas were noted. 2020: Stand trenched. 2019: TS# 051-16 Harvest Fall season 2018: Cut to 2" dbh except scattered green marked retention. This stand will be trenched and planted tp rp. Site to be treated with herbicide before planting. 2014: old stagnant off site oak old pine stumps small log size drier oak site. Some larger oak logs but most is small log/pole.
32	4199 - Other Mixe	·			er Poor	97.0	104	1-50	N/A		2023: Decent regeneration after harvest. Residual oak, rm and pine with aspen, rm and oak saplings.
	Canopy Species		Size Class		H Age		nopy Species	Density	Avg. Height	Size	
	White Oak	8	Log	14			oth Aspen	Full	Variable	Sapling	
	Red Oak	42	Log	14		VVI	nite Pine	Low	Variable	Sapling	
	White Pine	8	Log/Pole	12							
	Red Maple	40	Log/Pole	10							
	Red Pine	2	Log	14							

tand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age BA	A Range	Managed S	Site	General Comments
33	4126 - White, E	Black, N. Pi	n Oak	Sawtimb	er Well	24.2	107	81-110	N/A		2023; Aspen is old and declining. Could be harvested with poor quality
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	oak to start new age class in stand. Not much quality in oak to keep a stocked stand of decent quality but not enough aspen to fully regenera
I	Bigtooth Aspen	20	Log	14		Whi	te Pine	Medium	Variable	Sapling	stand. Stocking is variable. May want to keep an oaky stand with all t
	White Oak	35	Log	14	107	Red	Maple	Medium	>20 feet	Sapling	surrounding aspen. Private corners are in. * Some well formed oak. N
Ν	lorthern Pin Oak	13	Log	14							is white oak but a little decent Red oak. Most oak is low quality. Mos aspen is on the flat along east side. Could green mark better quality of
	Red Maple	5	Pole	9							(10-40 ba.) and harvest the rest to regenerate stand. Keep most pine
	White Pine	2	Pole	8							Cut all aspen and most rm. Try to protect advanced wp understory as
	Red Oak	25	Log	14	107						found. 2014: drier low-quality oak. Looks like pine would be better suited to this site.
34	4191 - Mixed Upla Co	and Decidu	ous with	Sawtimb	er Well	6.6	109 1	111-140	N/A		2023: Mixed species on steep slope around ice depression lake. Facilimited.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	White Pine	15	Log/Pole	13			d Oak	Low	10 - 20 feet	Sapling	
	Red Oak	25	Log	15	109	Whi	te Pine	Low	10 - 20 feet	Sapling	
N	lorthern Pin Oak	5	Log	14		Whi	ite Oak	Low	10 - 20 feet	Sapling	
	White Oak	20	Log	14	109	Red	l Maple	Medium	>20 feet	Sapling	
	Red Pine	15	Log/Pole	13						1 3	I
	Red Maple	10	Pole/Log	9							
1	Bigtooth Aspen	5	Log	13							
	Hemlock	5	Pole/Log	9							
35	500 -	- Water		Nonsto	cked	1.7	Ur	specified	No		Nice pond. Some log white pine, eastern hemlock pole and sawlogs, oak sawlogs on adjacent slope.
							opy Species	Density	Avg. Height	Size	
							ıshes	Trace		Non-Wood	
							anary Grass	Low		Non-Wood	
						Li	aurel	Trace		Tall Shrub	
						Se	edges	Low		Non-Wood	
						Wat	erlillies	Low		Non-Wood	
36	4191 - Mixed Upla Co	and Decidu	ous with	Poletimb	er Well	45.6	56	81-110	N/A		2024: Low quality mixed stand with mixed diameters. RP planted in stand at some point.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	Let stand develop. 2014: A light super-canopy of old white pine and c 50-40 yr old age class and old -100+ part marked
	Red Maple	25	Pole	7	56	Red	Maple	Low	10 - 20 feet	Sapling	33 .5 j. 5.8 ago oldoo ana old 1001 part markou
	Red Oak	15	Pole	8	56	Whi	te Pine	Low	10 - 20 feet	Sapling	
	White Oak	20	Pole	8		Whi	te Oak	Low	>20 feet	Sapling	
	White Pine	5	Log	14							-
	Red Pine	15	Pole	8	49						
											_
	040 11 1	eous Open	المسا	Nonsto		2.0		specified	No		



Stand	Level 4 Co	Cover Type		Size Den	sity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
38	4199 - Other Mixe	ed Upland D	eciduous	Sawtimber	r Well	5.0	119	81-110	N/A		2023: Strip along powerline. Keep for diversity 2013: Large scattered
	Canopy Species	% Cover	Size Class	DBH .	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	red oak and red maple with aspen and pine mixed in
	Red Maple	15	Log/Pole	12		Re	d Maple	Low	10 - 20 feet	Sapling	
	Beech	5	Log	10		Irc	nwood	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	10	Log/Pole	10		Re	ed Oak	Low	10 - 20 feet	Sapling	
	Sugar Maple	15	Log	15		Hazeln	ut (Beaked)	Low	5 - 10 feet	Tall Shruk	
	Basswood	5	Log	14		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Red Oak	50	Log/Pole	16	119						
39	4131 - A	Aspen, Oak		Poletimbe	r Well	15.5	54	111-140	N/A		2023: Scattered older oak and pine in stand with younger age grown in.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Could be harvested or left to put on more volume. Retain better quality oak with some pine in stand if harvested to re-start. Red Oak is good
	Red Pine	2	Log	15		Wite	ch Hazel	Low	5 - 10 feet	Tall Shrul	quality. A little sugar maple. * Interested in harvesting to start new age
	Red Maple	10	Pole	8		Wh	ite Pine	Low	Variable	Sapling	class in area. Need to access with vasa trail to old well pad which has
	Red Oak	15	Pole	8		Re	d Maple	Low	>20 feet	Sapling	been done for stand to the west. Opened up berm on supply road. Rock on trail must be protected and restored if trail is used for access. Would
	White Oak	5	Pole	5							make sure the bond is high enough to bring in gravel and spread if
				1.0							needed. Protect the planted pines in the well pad. Retain well-formed
	White Pine	3	Log	16							
	White Pine Bigtooth Aspen	65	Log Pole		54						oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east.
40	Bigtooth Aspen  4191 - Mixed Upla	65	Pole			18.4	104	51-80	N/A		oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW
	Bigtooth Aspen  4191 - Mixed Upla	and Decidue	Pole	9 Sawtimber	r Well		104		N/A <b>Avg. Height</b>	Size	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is
	Bigtooth Aspen  4191 - Mixed Upla	and Decidue	Pole Pole ous with	9 Sawtimber	r Well	Sub-Car				Size Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.
	Bigtooth Aspen  4191 - Mixed Upla Co  Canopy Species	and Deciduo	Pole ous with Size Class	Sawtimber  DBH 7	r Well	Sub-Car	nopy Species	Density	Avg. Height		oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is
	A191 - Mixed Upla Co Canopy Species Red Maple	and Decidue onifer  **Cover*  10	Pole  ous with  Size Class  Log/Pole	Sawtimber  DBH 7	r Well	Sub-Car Wh	nopy Species	<b>Density</b> Low	Avg. Height 10 - 20 feet	Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.  Difficult access. Let stand develop at this time.
40	A191 - Mixed Upla Cc Canopy Species Red Maple Red Oak	and Deciduo onifer  **Cover* 10 30	Pole  Dous with  Size Class  Log/Pole  Log	Sawtimber  DBH 7  12  15	r Well	Sub-Car Wh Wh Bigton	nopy Species nite Oak nite Pine	Density Low Medium	Avg. Height 10 - 20 feet Variable	Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.  Difficult access. Let stand develop at this time.
40	A191 - Mixed Upla Cc Canopy Species Red Maple Red Oak Jack Pine	and Deciduo onifer  **Cover* 10 30 2	Pole  Dous with  Size Class  Log/Pole  Log  Log	9 Sawtimber 12 15 12	r Well	Sub-Car Wh Wh Bigtor	nopy Species nite Oak nite Pine oth Aspen	Density Low Medium Low	Avg. Height 10 - 20 feet Variable 10 - 20 feet	Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges. Difficult access. Let stand develop at this time.
40	A191 - Mixed Upla Co Canopy Species Red Maple Red Oak Jack Pine	and Deciduo onifer  **Cover 10 30 2 5	Pole  Dous with  Size Class  Log/Pole  Log  Log  Log	9 Sawtimber 12 15 12 12 12	r Well	Sub-Car Wh Wh Bigtor	nopy Species nite Oak nite Pine oth Aspen	Density  Low  Medium  Low  Low	Avg. Height  10 - 20 feet  Variable  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges. Difficult access. Let stand develop at this time.
40	A191 - Mixed Upla Co Canopy Species Red Maple Red Oak Jack Pine Northern Pin Oak White Pine	65 and Deciduo onifer  **Cover* 10 30 2 5 22 8	Pole  Dous with  Size Class  Log/Pole  Log  Log  Log  Log  Pole  Log	9 Sawtimber 12 15 12 12 8	Age	Sub-Car Wh Wh Bigtor	nopy Species nite Oak nite Pine oth Aspen	Density  Low  Medium  Low  Low	Avg. Height  10 - 20 feet  Variable  10 - 20 feet  10 - 20 feet	Sapling Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.  Difficult access. Let stand develop at this time.
40	Bigtooth Aspen  4191 - Mixed Upla Cc  Canopy Species  Red Maple  Red Oak  Jack Pine  Northern Pin Oak  White Pine  Red Pine	and Deciduo onifer  % Cover  10 30 2 5 22 8  with White C	Pole  Dous with  Size Class  Log/Pole  Log  Log  Log  Log  Pole  Log	9  Sawtimber  DBH 12 15 12 12 8 12 8 12 Sawtimber	Age 104	Sub-Car Wh Wh Bigton Re Rec	nopy Species nite Oak nite Pine oth Aspen ed Oak d Maple	Density  Low  Medium  Low  Low  Low  S1-80	Avg. Height 10 - 20 feet Variable 10 - 20 feet 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.  Difficult access. Let stand develop at this time.
40	Bigtooth Aspen  4191 - Mixed Upla Co  Canopy Species  Red Maple  Red Oak  Jack Pine  Northern Pin Oak  White Pine  Red Pine  4124 - Red v	and Deciduo onifer  % Cover  10 30 2 5 22 8  with White C	Pole  Pole  Dous with  Size Class  Log/Pole  Log  Log  Log  Log  Pole  Log  Pole  Log	9  Sawtimber  DBH 12 15 12 12 8 12 8 12 Sawtimber	Age 104	Sub-Car Wh Wh Bigton Re Rec 23.2	nopy Species nite Oak nite Pine oth Aspen ed Oak d Maple	Density  Low  Medium  Low  Low  Low  S1-80	Avg. Height 10 - 20 feet Variable 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A	Sapling Sapling Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.  Difficult access. Let stand develop at this time.
40	Bigtooth Aspen  4191 - Mixed Upla Co  Canopy Species  Red Maple  Red Oak  Jack Pine  Northern Pin Oak  White Pine  Red Pine  4124 - Red v  Canopy Species	and Deciduo onifer  % Cover  10 30 2 5 22 8  with White C	Pole  Dous with  Size Class  Log/Pole  Log  Log  Pole  Log  Pole  Log  Pole  Size Class	9  Sawtimber  DBH 12 15 12 12 8 12 Sawtimber  DBH	Age 104	Sub-Car  Wh  Wh  Bigtor  Re  23.2  Sub-Car	nopy Species nite Oak nite Pine oth Aspen ed Oak d Maple  104 nopy Species	Density  Low  Medium  Low  Low  Low  Density	Avg. Height 10 - 20 feet Variable 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges.  Difficult access. Let stand develop at this time.
40	Bigtooth Aspen  4191 - Mixed Upla Cc  Canopy Species  Red Maple  Red Oak  Jack Pine  Northern Pin Oak  White Pine  Red Pine  4124 - Red v  Canopy Species  Northern Pin Oak	and Deciduo onifer  **Cover* 10 30 2 5 22 8  with White C  **Cover* 5	Pole  Dous with  Size Class Log/Pole Log Log Log Log Pole Log Size Class Log	9  Sawtimber  DBH / 12 15 12 12 8 12 Sawtimber  DBH / 14 12	Age 104	Sub-Car Wh Bigton Re Re 23.2 Sub-Car	nopy Species nite Oak nite Pine oth Aspen ed Oak d Maple  104 nopy Species	Density Low Medium Low Low Low Density Low	Avg. Height 10 - 20 feet Variable 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges. Difficult access. Let stand develop at this time.
40	Bigtooth Aspen  4191 - Mixed Upla Co  Canopy Species Red Maple Red Oak Jack Pine Northern Pin Oak White Pine Red Pine  4124 - Red v  Canopy Species Northern Pin Oak White Pine	65 and Deciduo onifer  % Cover  10 30 2 5 22 8  with White C % Cover 5 5	Pole  Dous with  Size Class Log/Pole Log Log Log Pole Log  Pole Log  Log  Pole Log  Log  Log  Pole Log  Log  Log  Pole Log  Log  Pole Log  Dak	9  Sawtimber  DBH / 12 15 12 12 8 12 Sawtimber  DBH / 14 12	r Well  Age  104  r Well  Age	Sub-Can Wh Bigton Re Re  23.2 Sub-Can Re Bigton	nopy Species nite Oak nite Pine oth Aspen ed Oak d Maple  104 nopy Species ed Oak d Maple	Density Low Medium Low Low Low  S1-80 Density Low Medium	Avg. Height 10 - 20 feet Variable 10 - 20 feet 10 - 20 feet 10 - 20 feet N/A Avg. Height >20 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	oak and some scattered pine as found. Some nice red oak in small log/pole sizes. Leave around 1 chain buffer on vasa trail. Look at NW corner of stand 47 to go with as it is blocked by terrain from the east. Harvest with stand 33.  2023: Mixed oak sizes but most is log size. Little aspen regeneration after last harvest. Stand is moving toward white pine with a mixture of poles and saplings growing through. Mixed pine sizes but most is pole/sapling. Stand lays in depressions and ridges. Difficult access. Let stand develop at this time.  2023: RM and aspen sprouts and RM seedlings forming new age after harvest. Oak seedlings in gaps but getting browsed heavily. Let stand develop.



Stand	··		Size Density		Acres	Stand Age B	A Range	Managed	Site	General Comments	
42	4131 - /	Aspen, Oak	S	Sawtimb	er Well	5.4	54	111-140	N/A		2023: Mixed species and sizes. Low quality stand. Aspen patches in stand with oak, pine, rm mix. Similar to the stand to west but a bit more
	Canopy Species		Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aspen. Stand could be harvested to regenerate aspen, but other areas
	White Pine	10	Log/Pole	12		Re	d Maple	Medium	>20 feet	Sapling	may come up short on regeneration. Not much quality to work with. Best
	Bigtooth Aspen	55	Pole/Log	9	54	W	nite Pine	Medium	Variable	Sapling	to hold stand until next entry and the harvest with stand to west and possible south. Not enough volume to harvest this stand alone.
	White Oak	10	Log	14	119	R	ed Pine	Low	10 - 20 feet	Sapling	2014: Mix of aspen poles/small logs and older aged wp,rp,oak. Good
	Red Pine	5	Log	10							growth and height on aspen. Let stand grow in longer.
	Red Maple	10	Pole	8							
	Red Oak	10	Log	14	119						
43	4199 - Other Mixe	ed Upland D	eciduous S	Sawtimb	er Well	5.9	112	111-140	N/A		2023: Steep slope around ice depression lake.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	10	Log/Pole	12		W	nite Pine	Medium	5 - 10 feet	Sapling	
	Red Pine	5	Log/Pole/XLog	g 12	88						
	Red Maple	15	Log/Pole	10							
	White Oak	25	Log/Pole	14	112						
	Red Oak	25	Log/Pole	14	112						
	Bigtooth Aspen	20	Log	13	88						
44	6233 - W	Vet Meadow	1	Nonsto	cked	2.6	U	nspecified	No		2023: Ice block depression pond. Small amount of water although this
						Sub-Ca	nopy Species	Density	Avg. Height	Size	area had been full of water 4 years back. Large white pine, big-toothed aspen, oak in forested stand along perimeter. South 1/3 still has
						F	Rushes	Medium		Non-Wood	standing water (shallow). Frogs. Trace of goldenrod and iris.
						9,	Sedges	Medium		Non-Wood	
						Unlisted -	See Comments	Trace			
						Mixe	d Grasses	Medium		Non-Wood	
45	3301 - Low Dens	ity Deciduo	us Trees	Nonsto	cked	1.3	U	nspecified	No		2023: Small pond in bottom at times. 2014: Eastern wood peewee, red-
						Sub-Ca	nopy Species	Density	Avg. Height	Size	headed woodpecker. Frost pocket. Traces of little bluestem, poverty grass, rush, moss. Nice big tooth aspen to north. Another small frost
							Sedges	Low		Non-Wood	pocket to north, could be OFS, similar vegetation.
						Mixe	d Grasses	Low		Non-Wood	
						Mou	ntain Alder	Low	5 - 10 feet	Tall Shrub	
							eet Fern	Trace		Tall Shrub	
						Blueberry/E	silberry/Cranber	ry Low		Tall Shrub	
						Ja	ick Pine	Low		Pole	
						O	ak (spp.)	Trace		Pole	
						Asp	en (spp.)	Low		Pole	
						Bra	cken Fern	High		Non-Wood	
						Bla	ck Cherry	Low		Pole	

Compartment: 43	OF NATURA
Year of Entry: 2026	DNR
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Stand	Level 4 C	over Type		Size Den	sity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
46	4126 - White,	Black, N. Pi	n Oak	Sawtimber	Poor	19.6	109	1-50	N/A		2023: A few pockets of decent aspen regen but other areas have been
	Canopy Species	% Cover	Size Class	DBH .	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	heavily browsed and aspen is sparce. Light RM and oak saplings 2019: TS# 043-16. 2019: Harvest Dec 2018. Cut all aspen and orange
	Red Maple	5	Log/Pole	10		Bigto	oth Aspen	Low	10 - 20 feet	Sapling	marked. Expect natural regeneration on this stand while adjacent stand
	Red Oak	30	Log/Pole	14		Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub	49 will be site prepped and planted. Depressions were excluded from
	White Oak	45	Log/Pole	14	109	Re	d Maple	Low	5 - 10 feet	Sapling	sale and are now a separate stand with long term retention. 2014: Aspen in stand is mature. Aspen is heavier in areas and not evenly distributed.
	White Pine	10	Log/Pole		82	Wh	ite Pine	Low	Variable	Sapling	Topography is bowls and hills.
	Red Pine	10	Log/Pole	12	82	Re	ed Pine	Low	5 - 10 feet	Sapling	
47	4310 - Pi	ine, Oak Miz	x	Sawtimber	r Well	15.5	114	111-140	N/A		2023: Some aspen clones scattered in stand could be harvested if
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	adjacent stands are treated. Nice older pine, oak mix in north end. Would be good to keep this oak, pine mix for diversity in this area.
	White Pine	20	Log	14	114	Re	ed Pine	Low	10 - 20 feet	Sapling	2014FMD: Old red and white pine and scattered oak Younger aspen red
	Red Oak	15	Log	15		Wh	ite Pine	Low	Variable	Sapling	oak, red maple, white pine. *Look at nw part of stand to harvest with
	Red Pine	25	Log	14	114	Re	d Maple	Low	10 - 20 feet	Sapling	stand 39. May be best time to access. Blocked by steep ground from east. Or could cut part sw of vasa and leave the North part of stand 39 to
	Bigtooth Aspen	20	Pole/Log	9	53				1		go with the rest of this stand.
	Red Maple	10	Pole	8	53						
	White Oak	10	Log	14							
48	4191 - Mixed Upl Co	and Decidu onifer	ous with	Sawtimbe	r Well	6.6	54	81-110	N/A		2014: Older oak and pine with pole sized aspen and red maple growing through.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Pine	5	Log	12		Re	d Maple	Low	>20 feet	Sapling	
	White Oak	15	Log	15	119	Re	ed Oak	Low	>20 feet	Sapling	
	White Pine	15	Log/Pole	14		Wh	ite Pine	Low	10 - 20 feet	Sapling	
١	Northern Pin Oak	5	Log	14		Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Maple	15	Pole	7	54	Wh	ite Oak	Low	>20 feet	Pole	
	Bigtooth Aspen	30	Pole	8	54						•
	Red Oak	15	Log	16							
49	330 - Low-	Density Tre	es	Nonstoc	ked	37.5	O U	nspecified	4211 - Planted	Red Pine	2023Fall: - 10/25/2022 Stand's First Year Regen Survey was completed; Stand has an estimated 813 trees per acre and is 94% free to grow at this time. 2022 Spring: Stand was Planted to Red Pine 5/6/2022 2021: Stand skidder sprayed site prep 2021. Treatment seemed less than completely successful with poor kill and skips. 2020: Stand trenched June 2020. 2018. TS# 051-16. Harvested FALL SEASON 2018 LEAVING SCATTERED RETENTION. plant red pine after

Year of Entry: 2026

Compartment: 43

Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed :	Site	General Comments
50	4199 - Other Mixe	d Upland D	eciduous	Sawtim	er Well	32.4	52	111-140	N/A		2023: Low quality oak and rm from stump sprouts. Let stand develop.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Not much quality to justify thinning at this time. Aspen clones scattered around stand. Aspen grew well. 2014: Widely Scattered older Oak and
	Red Maple	20	Pole	8	52	Oa	ak (spp.)	Low	5 - 10 feet	Sapling	Pine. Stand final harvested 40 yrs ago with some residual overstory.
	Red Oak	25	Log/Pole	10	52	WI	nite Pine	Low	5 - 10 feet	Sapling	
	White Pine	5	Log/Pole	10	52	Re	d Maple	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	15	Log/Pole	10	52	Hazelr	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	Red Pine	5	Log/Pole	11	52						
	White Oak	30	Log/Pole	10	52						
51	4191 - Mixed Upla Co	and Deciduo onifer	ous with	Poletim	oer Well	15.0	58	81-110	N/A		2023: Mixed species low quality stand. RM and oak from sprouts with aspen. Some red pine likely planted. Older wp scattered around. Let
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand develop. 2014: 50-60 yr old stand formed after final harvest
	White Pine	20	Log	15	79	WI	nite Pine	Low	5 - 10 feet	Sapling	
	Red Pine	10	Log/Pole	10	74	R	ed Pine	Low	5 - 10 feet	Sapling	
	Red Oak	20	Log/Pole	12	79	Re	d Maple	Low	10 - 20 feet	Sapling	
	Red Maple	20	Pole	8	58	W	nite Oak	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	20	Pole	8	58						
	White Oak	10	Log	12							
52	4129 - 1	Mixed Oak		Sawtim	oer Well	29.7	119	51-80	N/A		2023: Good bit of wp saplings growing in with rm saplings. Left the younger aspen clones in last sale so they are getting merchantable size.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stand looks good. Let stand grow in.
	Red Pine	5	Log	10		Re	d Maple	Medium	5 - 10 feet	Sapling	
	White Pine	10	Log	12		R	ed Pine	Low	10 - 20 feet	Sapling	
	Red Oak	25	Log	14		WI	nite Pine	Medium	Variable	Sapling	
	White Oak	35	Log	14	119						
	Bigtooth Aspen	23	Pole	8							
1	Northern Pin Oak	2	Log	14							
53	4129 - 1	Mixed Oak	S	Sawtimbe	r Mediun	n 34.4	112	51-80	N/A		2023: Poor regeneration after harvest at this point. Aspen clones tried to sprout but heavily browsed. Little new wp seeding in to gaps at this
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	time. 2018: TS# 065-16. Orange marked partial harvest + all aspen.
	Red Pine	5	Log	14		Bigto	oth Aspen	Low	5 - 10 feet	Sapling	Harvested Jan 2018. Removed larger and/or lower quality oak and most
1	Northern Pin Oak	2	Log	14		Re	d Maple	Low	5 - 10 feet	Sapling	aspen with some red maple and some damaged pine.
	White Pine	15	Log	12		WI	nite Pine	Medium	10 - 20 feet	Sapling	
	Red Oak	25	Log	14	112	Wit	ch Hazel	Low	10 - 20 feet	Tall Shrub	
	White Oak	33	Log	12	112						
	Red Maple	10	Log	10							
	Bigtooth Aspen	10	Log	12	89						

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Stand	<u>, , , , , , , , , , , , , , , , , , , </u>			Level 4 Cover Type				ensity	Acres	Stand Age B	A Range	Managed :	Site	General Comments
54	3101 - Poverty	y Grass, Cla	adonia	Nonst	ocked	0.0	U	Inspecified	No		2023: Low density trees. ORV intrusion. May want to look at limiting access. 2014WLD Occasional clone of mature aspen (some mortality).			
						Sub-Can	nopy Species	Density	Avg. Height	Size	This is another cold air drainage valley. Could do some saw work.			
						Swe	eet Fern	Low		Tall Shrub	The is allowed and an aramage railey.			
						Blac	k Cherry	Low		Pole				
						Little	Bluestem	Medium		Non-Wood				
						Aspe	en (spp.)	Low		Pole				
						Pove	rty Grass	Full		Non-Wood				
						Oal	k (spp.)	Low		Pole				
55	4126 - White,	Black, N. Pi	in Oak	Sawtiml	er Well	6.8	109	111-140	N/A		2023: A few small aspen clones. Most is mixed sizes of oak and pine.			
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Can	nopy Species	Density	Avg. Height	Size	Not interested in activity adjacent to Vasa Trail. 2014; Small stand between private ownership and VASA pathway.			
	Red Pine	5	Log	16		Wh	ite Pine	Low	5 - 10 feet	Sapling	Services private emicrosisp and 1710/1. passinay.			
Е	Bigtooth Aspen	15	Pole	8		Red	d Maple	Medium	>20 feet	Sapling				
	White Pine	5	Log/Pole	10										
	Red Oak	20	Log/Pole	14										
N	orthern Pin Oak	5	Log	13										
	Red Maple	15	Log/Pole	11										
	White Oak	35	Log/Pole	14	109									
56	4191 - Mixed Upl Co	land Decidu onifer	ous with	Saplin	g Poor	13.1	15	1-50	N/A		2023: North part has little understory development. A little oak, jp, wp rm under scattered retention. South part of stand has a good bit of			
(	Canopy Species	% Cover	Size Class	DBI	H Age						regeneration of oak and pine and scattered retention from last treatment.			
N	orthern Pin Oak	20	Sapling	2	15									
	White Pine	10	Sapling	2	15									
	Black Cherry	10	Sapling	2	15									
	White Oak	35	Sapling	2	15									
	Red Maple	10	Sapling	2	15									
E	Bigtooth Aspen	5	Sapling	2	15									
57	4131 - /	Aspen, Oak		Poletim	oer Well	10.1	50	81-110	N/A		2023: Stocking is variable with aspen clones mixed with oak, rm. Some			
	Canopy Species	% Cover	Size Class	DBI	H Age	Sub-Can	nopy Species	Density	Avg. Height	Size	older oak and pine scattered in stand. Stand could be cut to regenerate with scattered oak and pine retention from well-formed trees. Vasa trail			
	Red Pine	5	Log/Pole	11			ck Pine	Low	5 - 10 feet	Sapling	along edge and crossing through. 2014; Aspen dominated stand 40 yr.			
	White Oak	5	Log/Pole	10		Hazelnı	ut (Beaked)	Low	< 5 feet	Tall Shrub				
	William Odin			10		Wh	ite Oak	Low	5 - 10 feet	Sapling				
	Red Oak	15	Log/Pole	10	1 11					_				
E		15 60	Pole/Log	9	50	Wh	ite Pine	Low	5 - 10 feet	Sapling				
E	Red Oak				50 50		ite Pine d Maple	Low Medium	5 - 10 feet 5 - 10 feet	Sapling Sapling				



Stanc	Level 4 C	Level 4 Cover Type Size Density		ensity	Acres	Stand Age B	A Range	Managed :	Site	General Comments	
58	4191 - Mixed Upla Co	and Decidu	ous with	Sawtimb	er Well	8.6	119	111-140	N/A		2023: Mixed sized of oak and pine. Most is large. RM and Aspen cut out 69-71 with some oak. 2014: Younger aged aspen and maple with
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	nopy Species	Density	Avg. Height	Size	older pine and oak canopy. May be worthwhile to thin this stand lightly if nearby to remove poor formed and declining trees. Retain old pine and
	White Oak	30	Log/Pole	14	119	Wh	ite Pine	Medium	>20 feet	Sapling	well-formed oak. Remove aspen and oak. Interesting pocket of older
	Bigtooth Aspen	15	Pole	8	54	Red	d Maple	Low	>20 feet	Sapling	pine and oak.
	White Pine	10	Log	14		Bigtoo	oth Aspen	Low	Variable	Sapling	
	Red Pine	10	Log	16	119	Re	ed Oak	Low	>20 feet	Sapling	
	Red Maple	15	Pole	8	54						•
59	3104 -	Degraded		Nonst	ocked	1.5 Unspecified					2022: Well plugged 3/2003. Unknown if reclamation is needed or
						Sub-Can	nopy Species	Density	Avg. Height	Size	attempted.
						St. Jo	hns Wort	Low		Non-Wood	
						Spotted	Knapweed	Trace		Non-Wood	
						Mixed	d Grasses	Low		Non-Wood	
						Swe	eet Fern	Low		Tall Shrub	
61	4130	- Aspen		Poletimb	er Well	47.5	54	111-140	N/A		2023: Some red pine scattered around in stand. Survey corners found
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	nopy Species	Density	Avg. Height	Size	for private land. Stand could we be harvested to regenerate with retention of some well-formed oak and pine. Slopes would be a
	White Pine	1	Log/XLog	16		Suga	ar Maple	Low	Variable	Sapling	challenge for harvesting and some area may need to be excluded as
	Red Oak	10	Pole	8		Red	d Maple	Low	10 - 20 feet	Sapling	retention areas. * Vasa Trail along SW edge. Should consider when
	Bigtooth Aspen	70	Pole	8	54	Witc	ch Hazel	Medium	5 - 10 feet	Tall Shrub	cutting. Best to leave about a chain of buffer. Central part of stand 60 should go with this. There are a couple steep areas in that stand that
	Red Maple	15	Pole	8		Blac	k Cherry	Low	>20 feet	Sapling	could be retention pockets. Also some slopes in this stand could be held
	Red Pine	1	Log/Pole	10							as retention. Most good pole/small log sized red oak should be kept in
	Sugar Maple	3	Pole	8							this stand for another rotation. May produce some nice oak logs in future. May need to find access points through other adjacent stands as
											needed. Consider slopes, access and trails when laying out treatment boundary. Truck access is a challenge with blown out sandy roads. 2013: Aspen stand generated after harvest in late 60's early 70's
62	4129 - 1	Mixed Oak		Sawtimb	er Well	64.4	114	81-110	N/A		2023: Mixed stand with wp coming in under. Stand looks fine. Let stand grow in.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	nopy Species	Density	Avg. Height	Size	grow III.
	Red Maple	12	Pole	8		Red	d Maple	Medium	>20 feet	Sapling	
	Red Oak	30	Log/Pole	12	114	Re	ed Oak	Low	10 - 20 feet	Sapling	
	White Oak	30	Log/Pole	12	114	Wh	ite Oak	Low	10 - 20 feet	Sapling	
	White Pine	5	Log/Pole	11		Witc	ch Hazel	Medium	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	15	Pole	8	57	Wh	ite Pine	Medium	Variable	Sapling	
	Northern Pin Oak	5	Log/Pole	14		Bigtoo	oth Aspen	Low	10 - 20 feet	Sapling	

Red Pine

3

Log/Pole

11



Stand	7.			Size Density Sawtimber Well	Acres Stand Age	BA Range	Managed \$	Site		
63	42290 - Natu	ural Mixed F	Pine	Sawtimb	er Well	15.7 84	81-110	N/A		2023: Older oak and pine scattered in overstory. Mixed sizes of pine and
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	oak in younger age. Steep bowl and drain. Let the jp fall out and stand develop. Factor limited for slopes. Much of the jp fp found in last
	White Pine	25	Log/Pole	12	84	White Pine	Low	5 - 10 feet	Sapling	inventory has fallen out. 2014: two aged stand with old red and white
	Red Pine	25	Log/Pole	12	84	White Oak	Low	5 - 10 feet	Sapling	pine and some oak in super-canopy and jack and red pine regen in
	Red Maple	5	Log/Pole	10		Jack Pine	Low	5 - 10 feet	Sapling	canopy. Counted both in canopy calls. Jack pine mixed age but most is 65-70 years old.
	Red Oak	15	Log	16	119	Red Maple	Low	5 - 10 feet	Sapling	oo ro years old.
	White Oak	5	Log	16	119				,	-
	Jack Pine	25	Log/Pole	10	84					
64	4123 -	Red Oak		Sawtimb	er Well	22.8 114	111-140	N/A		2023: Ash has fallen out of stand. Stand could be thinned if treating
	Canopy Species	% Cover	Size Class	DBI	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size	adjacent stand or this stand could be kept for diversity and mast production. Stand is heavy to red oak but a nice hardwood mix that is un
	Red Maple	5	Log/Pole	12		Sugar Maple	Low	>20 feet	Sapling	common in this area. 2022: Terminated previous unsold treatment.
	Bigtooth Aspen	5	Log/Pole	10		Beech	Low	>20 feet	Sapling	2014: Quality red oak and mixed northern hardwoods. Ash component
	Beech	1	Log	12		White Pine	Low	Variable	Sapling	but not major.
	Sugar Maple	14	Log	12		Ironwood	Low	>20 feet	Sapling	
	White Oak	5	Log	12				1		
	Red Oak	60	Log/XLog	17	114					
	Deserveed									
	Basswood	10	Log	14						
65	4126 - White, E			14 Sawtimb	er Well	22.4 114	81-110	N/A		2023: Mixed sizes of oak and pine overstory with wp and rm with some
65		Black, N. Pi		Sawtimb	er Well	22.4 114 Sub-Canopy Speci		N/A Avg. Height	Size	oak growing through. The oak canopy is larger wolfy low quality trees.
65	4126 - White, E	Black, N. Pi	n Oak	Sawtimb					Size Sapling	
65	4126 - White, E	Black, N. Pi	n Oak Size Class	Sawtimb	l Age	Sub-Canopy Speci	es Density	Avg. Height		oak growing through. The oak canopy is larger wolfy low quality trees.
65	4126 - White, E Canopy Species Bigtooth Aspen	Black, N. Pi  Cover  4	n Oak Size Class Log	Sawtimb DBH	l Age	Sub-Canopy Speci White Oak	Density Low	Avg. Height 5 - 10 feet	Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
65	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine	Black, N. Pi  Cover  4  1	n Oak Size Class Log Log	Sawtimb DBH 15	Age 82	Sub-Canopy Speci White Oak White Pine	Low Medium	Avg. Height 5 - 10 feet Variable	Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
65	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine	Black, N. Pi  Cover  4  1  4	n Oak Size Class Log Log Log	Sawtimb   15   12   13	82 82	Sub-Canopy Speci White Oak White Pine Red Oak	Low Medium Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
65	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak	Black, N. Pi  **Cover** 4	n Oak Size Class Log Log Log Log Log	DBH 15 12 13 16	82 82	Sub-Canopy Speci White Oak White Pine Red Oak	Low Medium Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple	Black, N. Pi  **Cover** 4	n Oak Size Class Log Log Log Log Log Log Log Log Log	Sawtimb  DBH 15 12 13 16 11	82 82	Sub-Canopy Speci White Oak White Pine Red Oak	Low Medium Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple Red Oak	Black, N. Pi  **Cover** 4 1 4 30 10 25	n Oak  Size Class  Log  Log  Log  Log  Log  Log  Log/Pole  Log/Pole	Sawtimb  DBH  15  12  13  16  11  16	82 82	Sub-Canopy Speci White Oak White Pine Red Oak	Low Medium Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple Red Oak Northern Pin Oak White Pine	Black, N. Pi  **Cover** 4 1 4 30 10 25 10	n Oak  Size Class  Log  Log  Log  Log  Log/Pole  Log/Pole  Log	Sawtimb   DBH	82 82 114	Sub-Canopy Speci White Oak White Pine Red Oak	Low Medium Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple Red Oak Northern Pin Oak White Pine	Black, N. Pi  **Cover** 4 1 4 30 10 25 10 16	n Oak  Size Class  Log  Log  Log  Log  Log/Pole  Log/Pole  Log	Sawtimb  DBH  15  12  13  16  11  16  14	82 82 114	Sub-Canopy Speci White Oak White Pine Red Oak Red Maple	Low Medium Low Low Low Unspecified	Avg. Height 5 - 10 feet Variable 5 - 10 feet	Sapling Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees. Let understory develop. Stand is slowly going to wp.  Well plugged 3/2003. Unknown if reclamation is needed or attempted.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple Red Oak Northern Pin Oak White Pine	Black, N. Pi  **Cover** 4 1 4 30 10 25 10 16	n Oak  Size Class  Log  Log  Log  Log  Log/Pole  Log/Pole  Log	Sawtimb  DBH  15  12  13  16  11  16  14	82 82 114	Sub-Canopy Speci White Oak White Pine Red Oak Red Maple	Low Medium Low Low Low Unspecified	Avg. Height 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees. Let understory develop. Stand is slowly going to wp.  Well plugged 3/2003. Unknown if reclamation is needed or attempted.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple Red Oak Northern Pin Oak White Pine	Black, N. Pi  **Cover** 4 1 4 30 10 25 10 16	n Oak  Size Class  Log  Log  Log  Log  Log/Pole  Log/Pole  Log	Sawtimb  DBH  15  12  13  16  11  16  14	82 82 114	Sub-Canopy Speci White Oak White Pine Red Oak Red Maple	Low Medium Low Low Low Unspecified Low Density	Avg. Height 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees. Let understory develop. Stand is slowly going to wp.  Well plugged 3/2003. Unknown if reclamation is needed or attempted.
	4126 - White, E Canopy Species Bigtooth Aspen Jack Pine Red Pine White Oak Red Maple Red Oak Northern Pin Oak White Pine	Black, N. Pi  **Cover** 4 1 4 30 10 25 10 16	n Oak  Size Class  Log  Log  Log  Log  Log/Pole  Log/Pole  Log	Sawtimb  DBH  15  12  13  16  11  16  14	82 82 114	Sub-Canopy Speci White Oak White Pine Red Oak Red Maple  2.5  Sub-Canopy Speci Sweet Fern	Low Medium Low Low Low Unspecified Low Low Low	Avg. Height 5 - 10 feet Variable 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees. Let understory develop. Stand is slowly going to wp.  Well plugged 3/2003. Unknown if reclamation is needed or attempted.

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Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
67	4191 - Mixed Upl Co	and Decidu onifer	ous with	Poletimb	er Well	9.2	119	111-140	N/A		2023: Mixed stand. Stand could be thinned or managed for mixed age and species. May want to wait for aspen to gain size and volume. VST
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Bike trail through stand. This stand and stand 70 will likely get treatments at same time.
	White Oak	28	Log/Pole	14	119	Re	d Oak	Low	10 - 20 feet	Sapling	at same time.
	Red Oak	27	Log	14	119	Wh	ite Oak	Low	10 - 20 feet	Pole	
	White Pine	25	Log/Pole	12	58	Wh	ite Pine	Low	Variable	Sapling	
	Bigtooth Aspen	10	Pole	7		Red	d Maple	Low	>20 feet	Pole	
68	4199 - Other Mixe	ed Upland D	Deciduous	Poletimb	er Well	3.7	69	111-140	N/A		2023: Aspen is ready to harvest, and stand would likely form larger aspen
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	clones. Some bigger oak and pine scattered. Band of larger pine along north edge could be left if harvested. Could mark some scattered oak
	White Pine	5	Log	14		Wh	ite Oak	Low	10 - 20 feet	Sapling	and pine retention and harvest stand when stand 76 to south is harvested
N	Northern Pin Oak	5	Pole/Log	12		Re	d Oak	Low	10 - 20 feet	Sapling	again. Not enough volume to sell on it's own. 2014; Small stand along
	Red Pine	10	Log	14	104	Re	d Pine	Low	10 - 20 feet	Sapling	boundary
	Red Maple	20	Pole/Log	9	69	Witc	h Hazel	Medium	Variable	Tall Shrub	
	White Oak	15	Log/Pole	13		Red	d Maple	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	30	Pole/Log	9	69					,	-
	Red Oak	15	Log/Pole	13	99						
69	4129 -	Mixed Oak		Sawtimb		11.3	114	51-80	N/A		2023: Larger older age of oak and pine with mixed younger age with aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa
	Canopy Species	% Cover	Size Class		l Age	Sub-Can	opy Species		Avg. Height	Size	Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large
N	Northern Pin Oak	5	Log	14			d Maple	Medium	>20 feet	Sapling	crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
	White Pine	5	Log	14			ite Pine	Medium	Variable	Sapling	under 16"dbh. Second age may be 40.
	Red Pine	5	Log	14			ite Oak	Medium	10 - 20 feet	Sapling	
	Jack Pine	2	Pole	8	69		d Pine	Low	>20 feet	Sapling	
	Red Maple	13	Pole/Log	9	52	Re	d Oak	Low	10 - 20 feet	Sapling	
	Red Oak	30	Log	16	114						
	Bigtooth Aspen	15	Pole	8	52						
	White Oak	25	Log	16	114						
70	4130	- Aspen		Poletimb	er Well	7.8	54	81-110	N/A		2023: Stand could be harvested or left until next entry. Vasa Ski trail and vasa single track involved. Aspen along and east of vasa trail is
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	larger. Mixes with oak, rm and pine in places and the aspen is smaller
	Bigtooth Aspen	85	Pole	7	54	Re	d Pine	Medium	10 - 20 feet	Sapling	diameters. Planted red pine along southeast edge. Let this stand grow
	White Pine	2	Log/Pole	14		Wh	ite Oak	Low	10 - 20 feet	Sapling	in for now.
	Red Pine	2	Log	14		Wh	ite Pine	Low	>20 feet	Sapling	
	Red Maple	7	Pole	7	54	Red	d Maple	Low	>20 feet	Sapling	
	White Oak	2	Pole/Log/Sa	ıp 14							-
	Red Oak	2	Pole/Log/Sa	ıp 14							



Stand				Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
71	4126 - White, E	Black, N. Pi	n Oak	Sawtimb	er Well	43.5	114	81-110	N/A		2023: Mixed stand growing in under large old oak and some pine. Mixed ages. Let stand grow in. Much of the old oak is too large for harvest.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	2014: LARGE CROWNED OAKS and Pine WITH ASPEN CLONES
	White Pine	5	Log	12		Bigto	oth Aspen	Low	>20 feet	Sapling	MIXED THROUGHOUT. POCKETS OF THICK RED MAPLE AND
	Red Maple	15	Log/Pole	10		Re	ed Oak	Low	>20 feet	Sapling	WHITE PINE REGEN. OLD BURNT PINE STUMPS THROUGHOUT.
	Red Oak	20	Log	16	114	Wh	ite Oak	Medium	>20 feet	Sapling	UNSOLD T. SALE MARKED IN NW CORNER OF STAND. VERY MIXED SPECIES Timber permit 24-70A. Cut all jp, merchantable
	Bigtooth Aspen	5	Log	12	82	Wh	ite Pine	High	>20 feet	Sapling	aspen, rm, oak but no oak over 16" stump. This may be part of that sale
	White Oak	30	Log	14	114	Red	d Maple	Medium	>20 feet	Sapling	but maybe not. Aspen age may be 44. 2014: Second age is thick in
	Red Pine	5	Log	13							most places. Could not enter this stand until this developes without damaging second age. Second age is small diameter for likely age-44
١	lorthern Pin Oak	20	Log	14							(sapling/small pole) but stocking is good.
72	4124 - Red v	vith White (	Dak	Sawtimb	er Well	57.9	108	81-110	N/A		Nice oak flat with light wp under and moderate rm saplings 20'+ .
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	stand looks fine.
N	lorthern Pin Oak	2	Log	14		Red	d Maple	Medium	>20 feet	Sapling	
	White Pine	5	Log	14		Re	ed Pine	Low	10 - 20 feet	Sapling	
	Red Maple	5	Pole	8		Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Red Oak	42	Log/Pole	14	108						
	White Oak	42	Log	14							
	Bigtooth Aspen	2	Pole	8	26						
	Red Pine	2	Log	14							
73	4130	- Aspen		Sawtimb	er Well	25.9	54	141-170	N/A		2023: Aspen is ready to harvest for regeneration purposes. Retain well-
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	formed oak and pine. Small vernal ponds in bottoms should be protected. Many terrain issues with this harvest but it was done before.
	Red Maple	10	Log/Pole	10		Red	d Maple	Low	>20 feet	Sapling	May need to leave retention pockets on steeper slopes. East side going
	Red Oak	5	Pole/Log	9		Re	ed Oak	Low	10 - 20 feet	Sapling	down to well pas is too steep to harvest. Need to develop access
	Bigtooth Aspen	85	Log/Pole	11	54	Wh	ite Oak	Low	10 - 20 feet	Sapling	strategy for this area. Stand may be accessed from south and skidded to Stand 83. old well pad. There is a wood tick trail going almost back to
				'				1			the south line. Or could work from northwest side. off adjacent road which is a difficult choice.
74	42220 - Nat	ural Jack P	ine	Poletimb	er Well	43.8	79	51-80	N/A		2023: Part of stand North of well pad could be harvested to regenerate.  Leave well-formed oak, RP,WP. JP is ready to harvest and declining.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	West side of stand is lower stocked with declining JP and not a lot of
	White Oak	5	Log/Pole	12		Red	d Maple	Low	10 - 20 feet	Sapling	understory development. The entire potential seems low for a
	White Pine	9	Log/Pole	10		Re	ed Oak	Low	10 - 20 feet	Sapling	commercial harvest due to the total volume and low volume/acre. Would
	Red Oak	5	Log/Pole	12		Wh	ite Pine	Low	>20 feet	Sapling	have to enter stand through NE edge of well pad and deck wood on margins of well pad. Treatment acre should be reduced by areas with
	Jack Pine	65	Pole/Log	8	79	Blac	k Cherry	Low	10 - 20 feet	Sapling	little volume.
	Red Pine	5	Log	12		Bigto	oth Aspen	Low	10 - 20 feet	Sapling	2014: Harvested 1970 2014: older and younger jack pine. 2 aged
	Black Cherry	3	Pole	8							counted both in canopy. 2014: west side of stand has a lot of influence from VASA trail. With slopes and trail, it would be difficult to harvest.
	Red Maple	3	Pole	9							Stand may be left to succeed naturally to oak and white/red pine. East
	Bigtooth Aspen	5	Log/Pole	11	54						side of stand north of well pad could be harvested but most of this side is younger age class and should wait.

69

34

White Oak

White Pine

6

14

8

Compartment: 43 Year of Entry: 2026



Stand	71.			Size De	ensity	Acres Stand Age	BA Range	Managed :	Site	General Comments
75	4129 -	Mixed Oak	5	Sawtimb	er Well	15.2 105	141-170	N/A		2023: Low quality oak logs with older aspen. Steep areas. Not many
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Canopy Specie	es Density	Avg. Height	Size	crop trees. Not interesting.
	Bigtooth Aspen	15	Log	14		White Oak	Low	>20 feet	Sapling	
	Red Oak	32	Log	14	105	Red Maple	Low	>20 feet	Sapling	
	White Oak	35	Log/Pole	13	105	White Pine	Low	Variable	Sapling	
	Red Pine	3	Log	15		Red Oak	Low	>20 feet	Sapling	
	Red Maple	15	Log/Pole	10			·			
77	3104 -	Degraded		Nonst	ocked	3.5	Unspecified			Well plugged 3/2003. Unknown if reclamation is needed or attempted.
						Sub-Canopy Specie	es Density	Avg. Height	Size	
						Mixed Grasses	Low		Non-Wood	
						Spotted Knapweed	Low		Non-Wood	
						Little Bluestem	Trace		Non-Wood	
78	3201 - \$	Sweet Fern		Nonst	ocked	1.1	Unspecified	No		Old well pad? Has good vegetation cover. Some log oaks on perimeter. Unlisted species is mullein.
						Sub-Canopy Specie	es Density	Avg. Height	Size	'
						Sweet Fern	Medium		Tall Shrub	
						Bracken Fern	Trace		Non-Wood	
						Unlisted - See Comme	nts Trace			
						Spotted Knapweed	Low		Non-Wood	
						Oak (spp.)	Trace		Sapling	
						St. Johns Wort	Trace		Non-Wood	
						Jack Pine	Low		Sapling	
						Poverty Grass	Medium		Non-Wood	
79	42200 - Nat	ural White F	Pine F	Poletimb	oer Well	11.4 69	141-170	N/A		2023: 155 avg ba. Mixed sizes and ages of WP. Stocking is a bit high.
	Canopy Species	% Cover	Size Class	DBH	H Age	Sub-Canopy Specie	es Density	Avg. Height	Size	Could let stand grow as is or could mark for crop tree release and harvest some of the larger trees and poor quality. Some older legacy trees
	Red Maple	10	Pole	5	34	Red Maple	Medium	>20 feet	Sapling	scattered around should be retained. Opening canopy would likely cause
	Red Oak	3	Pole	8	34	Red Oak	Low	10 - 20 feet	Sapling	heavier oak sub canopy formation. Would have to cut strip through and
										thin off of the strips but this would not be the best way to accomplish the

Low

Low

10 - 20 feet

10 - 20 feet

Could let stand grow as is or could mark for crop tree release and harvest some of the larger trees and poor quality. Some older legacy trees scattered around should be retained. Opening canopy would likely cause heavier oak sub canopy formation. Would have to cut strip through and thin off of the strips but this would not be the best way to accomplish the goal of getting the larger pine out before it becomes oversized. To just orange mark and thin this to 120 ba would likely not allow access for equipment without doing heavy damage to residual. May be best to just let stand grow in until more volume is achieved then it could be harvested and planted or cut to seed tree stocking. 2014: older and younger jack pine. 2 aged counted both in canopy. 2014: west side of stand has a lot of influence from VASA trail. With slopes and trail, it would be difficult to harvest. Stand may be left to succeed naturally to oak and white/red pine. East side of stand north of well pad could be harvested but most of this side is younger age class and should wait.

White Pine

Red Pine

White Oak

75

10

2

Pole/Log

Log

Pole

Sapling

Sapling

Report 7 - Stands



Stand	Stand Level 4 Cover Type		ype Size Density			,	Size Density				Acres	Stand Age B	A Range	Managed	Site	General Comments
80	4310 - Pir	ne, Oak Mix	x P			6.1	54	81-110	N/A		2023: Mix of older oak with planted red pine pockets. Some very large old oak scattered in stand.					
Ca	anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	old bak scattered in stand.					
R	Red Maple	5	Pole	8			ck Cherry	Low	10 - 20 feet	Sapling						
I	Red Oak	20	Log	14	109	Re	ed Maple	Medium	>20 feet	Sapling						
V	White Oak	10	Log	14	109	W	hite Pine	Medium	>20 feet	Pole						
Big	gtooth Aspen	10	Pole	8												
V	White Pine	10	Log	10	69											
Nortl	thern Pin Oak	10	Log	12												
F	Red Pine	35	Pole	8	54											
81	3104 - [	Degraded		Nonsto	cked	2.4	Ur	nspecified	No							
						Sub-Ca	nopy Species	Density	Avg. Height	Size						
						St. J	lohns Wort	Trace		Non-Wood						
						Spotte	d Knapweed	Low		Non-Wood						
						Unlisted -	See Comments	Trace								
						Sw	veet Fern	Medium		Tall Shrub						
						ls	ack Pine	Low		Sapling						
<b>82</b> 4	4191 - Mixed Upla Co		ous with Pol	etimber	· Mediu		34	51-80	N/A	Сарті	2023:East side has nearly full canopy stocking of wp and some rp. Wes side has lower canopy stocking of oak and rm from stump sprouts with					
		onifer	ous with Pol		Mediu	ım 9.6			N/A Avg. Height	Size	2023:East side has nearly full canopy stocking of wp and some rp. Wes side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca	Co	onifer				um 9.6  Sub-Ca	34 anopy Species Red Oak	51-80			side has lower canopy stocking of oak and rm from stump sprouts with					
Ca	Co anopy Species	% Cover 5 5	Size Class Log Pole	DBH	Age	um 9.6  Sub-Ca  R  Hazelr	34 anopy Species ted Oak nut (Beaked)	51-80  Density	<b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Size	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca Bigi	anopy Species Red Pine gtooth Aspen Red Maple	% Cover 5 5 15	Size Class  Log Pole Pole/Sapling	<b>DBH</b> 13 6 6	99	sub-Ca R Hazelr	34 Inopy Species Red Oak Inut (Beaked) hite Oak	51-80  Density  Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigi R	anopy Species Red Pine gtooth Aspen Red Maple White Oak	% Cover 5 5 15 25	Size Class  Log Pole Pole/Sapling Pole/Sapling	DBH 13 6 6 6	99 34	sub-Ca R Hazelr	34 anopy Species ted Oak nut (Beaked)	51-80  Density  Low  Low	<b>Avg. Height</b> 5 - 10 feet 5 - 10 feet	Size Sapling Tall Shrub	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigg R	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak	% Cover 5 5 15 25 25	Size Class  Log Pole Pole/Sapling Pole/Sapling Pole/Sapling	DBH 13 6 6 6 6	99	sub-Ca R Hazelr	34 Inopy Species Red Oak Inut (Beaked) hite Oak	51-80  Density  Low  Low  Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling Tall Shrub Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigg	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine	% Cover 5 5 15 25 25 20	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole	DBH 13 6 6 6 10	99 34 34	sub-Ca R Hazelr	34 Inopy Species Red Oak Inut (Beaked) hite Oak	51-80  Density  Low  Low  Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling Tall Shrub Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca F Bigg R V	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak	% Cover 5 5 15 25 25	Size Class  Log Pole Pole/Sapling Pole/Sapling Pole/Sapling	DBH 13 6 6 6 6	99 34	sub-Ca R Hazelr	34 Inopy Species Red Oak Inut (Beaked) hite Oak	51-80  Density  Low  Low  Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Size Sapling Tall Shrub Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigg R V	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 25 20	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole	DBH 13 6 6 6 10	99 34 34 34	Sub-Ca R Hazelr W Re	34  anopy Species ded Oak nut (Beaked) hite Oak ed Maple	51-80  Density  Low  Low  Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Size Sapling Tall Shrub Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigi	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 25 20 5	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole	DBH 13 6 6 6 10 6	99 34 34 34	um 9.6  Sub-Ca R Hazelr W Re	34 anopy Species ded Oak nut (Beaked) hite Oak ed Maple  Ur	51-80  Density Low Low Low Low Density  Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Size Sapling Tall Shrub Sapling Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigi R V	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 25 20 5	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole	DBH 13 6 6 6 10 6	99 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca	34 anopy Species ded Oak nut (Beaked) hite Oak ded Maple  Ur anopy Species cken Fern	51-80  Density Low Low Low Low Density Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Size Sapling Tall Shrub Sapling Sapling Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigi	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 25 20 5	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole	DBH 13 6 6 6 10 6	99 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca Brar Spotte	34  anopy Species ded Oak mut (Beaked) hite Oak ed Maple  Ur anopy Species cken Fern dd Knapweed	51-80  Density Low Low Low Low Density Low Low Low Low Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Size Sapling Tall Shrub Sapling Sapling Sapling Size Non-Wood	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigi	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 25 20 5	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole	DBH 13 6 6 6 10 6	99 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca Brar Spotte	34 anopy Species ded Oak nut (Beaked) hite Oak ded Maple  Ur anopy Species cken Fern	51-80  Density Low Low Low Low Density Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Size Sapling Tall Shrub Sapling Sapling Sapling	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca I Bigi	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 25 20 5	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole  Pole	DBH 13 6 6 6 10 6	34 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca Brar Spotte	34  anopy Species ded Oak mut (Beaked) hite Oak ed Maple  Ur anopy Species cken Fern ed Knapweed ed Grasses	51-80  Density Low Low Low Low Density Low Low Low Low Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Size Sapling Tall Shrub Sapling Sapling Sapling Size Non-Wood	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.  2024: oil and gas facility.  2024: pretty wet-pondlike. 2014:Mudrunners. needs vehicle barriers and					
Ca I Biggi R V I W 3	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 20 5 Degraded	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole  Pole	DBH	34 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca Brai Spotte Mixe  1.9  Sub-Ca	34  Innopy Species Red Oak Inut (Beaked) Init (Beaked) Init Oak Red Maple  Ur Innopy Species Reken Fern Ind Knapweed Red Grasses  Ur Innopy Species	51-80  Density Low Low Low Low Density Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet  No  Avg. Height	Size Sapling Tall Shrub Sapling Sapling Size Non-Wood Non-Wood Non-Wood	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.					
Ca Biggi R V W 3	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 20 5 Degraded	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole  Pole	DBH	34 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca Brai Spotte Mixe  1.9  Sub-Ca	34 Inopy Species Red Oak Inut (Beaked) Inite Oak Inite O	51-80  Density Low Low Low Low Density Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet  No  Avg. Height	Size Sapling Tall Shrub Sapling Sapling Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.  2024: oil and gas facility.  2024: pretty wet-pondlike. 2014:Mudrunners. needs vehicle barriers and					
Ca I Bigging R V V I S	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 20 5 Degraded	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole  Pole	DBH	34 34 34 34	um 9.6  Sub-Ca R Hazelr W Re  2.1  Sub-Ca Brar Spotte Mixe  1.9  Sub-Ca Mixe	34  Innopy Species Red Oak Inut (Beaked) Init (Beaked) Init Oak Red Maple  Ur Innopy Species Reken Fern Ind Knapweed Red Grasses  Ur Innopy Species	51-80  Density Low Low Low Low Density Low Low Low Density Low Low Low Density Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet  No  Avg. Height	Size Sapling Tall Shrub Sapling Sapling Size Non-Wood Non-Wood Non-Wood	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.  2024: oil and gas facility.  2024: pretty wet-pondlike. 2014:Mudrunners. needs vehicle barriers and					
Ca I Biggi R V I W 3	anopy Species Red Pine gtooth Aspen Red Maple White Oak Red Oak White Pine Jack Pine	% Cover 5 5 15 25 20 5 Degraded	Size Class  Log  Pole  Pole/Sapling  Pole/Sapling  Pole/Sapling  Log/Pole  Pole	DBH	34 34 34 34	2.1 Sub-Ca Brac Spotte Mixe  1.9 Sub-Ca  Sub-Ca  Spotte Mixe	Janopy Species Red Oak Pout (Beaked) Pout (B	51-80  Density Low Low Low Low Density Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet  No  Avg. Height	Size Sapling Tall Shrub Sapling Sapling Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	side has lower canopy stocking of oak and rm from stump sprouts with oak saplings growing in gaps. Lower quality stand. Let stand develop.  2024: oil and gas facility.  2024: pretty wet-pondlike. 2014:Mudrunners. needs vehicle barriers and					



Stand	Level 4 C	over Type		Size Density	Acı	Acres Stand Age BA Range		Managed 9	Site	General Comments
85	42200 - Nat	ural White F	Pine Sa	wtimber Med	um 15	.8 104	51-80	N/A		2023: Stand has depressions and ridge. Areas with well stocked wp
	Canopy Species	% Cover	Size Class	DBH Age	Sub	-Canopy Species	Density	Avg. Height	Size	poles and saps. Areas with lower canopy density of wp have thickets of white oak saplings. Mixed ages of white pine. Some old legacy trees
	Red Oak	5	Pole	8 34		White Pine	Medium	10 - 20 feet	Sapling	scattered around. Let stand develop. May want to thin in future and
	White Oak	5	Pole	8 34		Red Oak	Medium	10 - 20 feet	Sapling	manage as multi-aged pine/oak mix. 2014: TS001=87. TCR 1989. Cu
	Bigtooth Aspen	5	Log	12 94		Red Maple	Low	5 - 10 feet	Sapling	all merchantable except red and white pine. Cut oak, aspen, jp, rm.
	Red Pine	15	Log	14 104		White Oak	Medium	10 - 20 feet	Sapling	
	Red Maple	10	Pole	6 34		Red Pine	Low	5 - 10 feet	Sapling	
	White Pine	60	Log/Pole	11 104			1	1	1	
86	4199 - Other Mixe	ed Upland D	eciduous S	Sapling Medio	m 22	.1 26	1-50	N/A		2023: stand is growing in. Oak thickets developing over time. Thick oak
	Canopy Species	% Cover	Size Class	DBH Age	Sub	-Canopy Species	Density	Avg. Height	Size	regeneration in places. Some aspen clones. Some low stocked areas in depressions. Let stand develop. 2014: Calling regen canopy TS# 055-
	Red Maple	20	Sapling	3 26		White Oak	Low	5 - 10 feet	Sapling	96. TCR 6/97. Cut to 2" but do not cut any red pine, green marked or
	Red Oak	20	Sapling	3 26		Red Maple	Low	5 - 10 feet	Pole	cherry in frost pockets
	White Pine	5	Sapling	4 26		Red Oak	Low	5 - 10 feet	Sapling	
	Black Cherry	5	Sapling	4 26		White Pine	Low	5 - 10 feet	Sapling	
	Red Pine	5	Sapling	4 26		Black Cherry	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	15	Sapling	4 26			,			-
	White Oak	30	Sapling	3 26						
87	4131 <i>- A</i>	Aspen, Oak	F	Poletimber W	ell 20	.5 54	141-170	N/A		2023: Aspen stocking is heavier in central part of stand. Edges are mix
	Canopy Species	% Cover	Size Class	DBH Age	Sub	-Canopy Species	Density	Avg. Height	Size	of aspen, oak, pine, maple. Aspen could be cut or left to gain volume.  Some decent quality red oak could be left for retention. Mixed parts of
	Red Maple	15	Sapling	4		Witch Hazel	Low	< 5 feet	Tall Shrul	stand could be marked to remove poor quality and release crowns of
	Red Oak	15	Log/Pole	12		White Pine	Low	Variable	Sapling	quality trees. Mixed oak sizes. Some left from last harvest, and some
	White Oak	5	Log/Pole	12		Red Maple	Low	5 - 10 feet	Sapling	grown in with younger age class. Most pine is large. Keep the well- formed red oak mixed through the aspen clones if harvested. Most is
	Bigtooth Aspen	50	Pole	8 54		Red Oak	Low	>20 feet	Sapling	small log size. There is a pocket of pine in one drain. It could be a
	White Pine	5	XLog	18						retention pocket. Keep well-formed rm in the areas of mixed hardwoods
	Red Pine	10	XLog	18 99						but cut most in the aspen clones. Could work with Stand 99 and north part of 96. Cut aspen to regenerate clones and thin the rest of the mixed
	4400 1441 %	D								areas.
88	4126 - White,	*	in Oak Sa Size Class	wtimber Med DBH Age		.1 114 -Canopy Species	1-50	N/A		2023: Good growth on much of the planted red pine. Heavy oak regenty patches. Most is WO. Stand has very well stocked understory. Let
	Canopy Species Northern Pin Oak			14	Suk			Avg. Height 5 - 10 feet	Size Sapling	stand grow in. Trying to remove overstory will damage advanced
- !	Red Pine	2 8	Log Pole	9		Black Cherry Red Maple	Low	10 - 20 feet	Sapling	regeneration. 2017: Regen survey showed 500+ TPA red pine. Competition from oak, rm, cherry. Let stand develop.
	White Oak	40	Log/Pole	13 114	-	Bigtooth Aspen	Low	10 - 20 feet	Sapling	
	White Pine	15	Log/Pole Log/Pole	10		White Pine	Low	Variable	Sapling	
	Red Oak	35	Log/Pole Log/Pole	12 114		Red Pine	Medium	5 - 10 feet	Seeding	
	Neu Oak	30	Lug/Fule	14   114	<b>-</b>	White Oak	Medium	5 - 10 feet	Sapling	
						Red Oak	Low	5 - 10 feet	Sapling	
					1	Red Oak	LOW	5 - 10 teet	Sapling	

Low

5 - 10 feet

Tall Shrub

Witch Hazel

											Year of Entry: 2026
Stan	d Level 4 C	over Type	•	Size De	nsity	Acres	Stand Age E	BA Range	Managed	Site	General Comments
89	4126 - White, E	Black, N. Pi	n Oak Sav	wtimber	Medium	68.4	114	51-80	N/A		. 2023: Most oak and aspen sprouts browsed heavily. RM stump sprouts
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	evenly distributed. Little new wp seedling at this time but some residual saps and seedlings
	Red Oak	33	Log	12	114	Re	ed Oak	Low	10 - 20 feet	Sapling	after harvest. 2019: TS# 078-17. Reduced Basal area to 40-60 to
	White Oak	55	Log	12	114	Wh	nite Oak	Low	10 - 20 feet	Sapling	encourage development of new stand in understory. White pine may
	Northern Pin Oak	5	Log/Pole	14		Re	d Maple	Low	5 - 10 feet	Sapling	occupy understory as stand develops along with oak, maple and aspen sprouts.
	Red Pine	2	Log	14		Wh	ite Pine	Low	Variable	Sapling	op.outo.
	Red Maple	2	Pole/Log	9		Hazeln	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	White Pine	3	Log/Pole	12							
90	4130	- Aspen	Р	oletimb	er Well	5.3	34	51-80	N/A		2023: Aspen clones with areas heavier to pine oak, maple mix. South
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	side of road has more pine overstory and smaller diameter aspen growing through. Good growth on aspen generally. Some log sized rm
	Red Maple	13	Pole/Sapling	6	34	Re	d Maple	Low	10 - 20 feet	Sapling	and oak that must have been considered un-merchantable at last
	Red Oak	10	Sapling/Pole	2	34	Wh	nite Oak	Low	10 - 20 feet	Sapling	harvest.
	White Oak	7	Sapling/Pole	4	34	Blac	k Cherry	Low	5 - 10 feet	Sapling	
	White Pine	8	Sapling	3	34	Re	ed Oak	Low	10 - 20 feet	Sapling	
	Red Pine	2	Sapling/Pole	4	34	Wh	ite Pine	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	60	Pole/Sapling	6	34	Ja	ck Pine	Low	5 - 10 feet	Sapling	
91	3303 - Mixed L	ow Density	Trees	Nonsto	cked	7.0	U	Inspecified	No		Bullhead lake and surrounding ecotone. 10-40' buffer of exposed lake
						Sub-Car	nopy Species	Density	Avg. Height	Size	bed.
						Cat	tail spp.	Trace		Non-Wood	
						Mixed	d Grasses	Low		Non-Wood	
						R	ushes	Trace		Non-Wood	
						Wa	terlillies	Low		Non-Wood	
92	42110 - Pla	nted Red P	ine	Sapling	Well	15.8	4	Immature	N/A		2023 - Year 3 regeneration survey was completed 9/30/2023. There is
	Canopy Species	% Cover	Size Class	DBH	Age						currently 762 Trees per Acre and stand is currently 95% Free to Grow at this time. Good growth on seedlings. Sedge is closing in on trenches.
	Red Pine	100	Sapling	1	4						2022: release spray treatment dropped due to stand size and
			, ,								complicating factors.
											11/9/2021 - Year 1 regeneration survey completed. Stand has
											approximately 889 trees per acre. Stand is not free to grow at this time herbicide treatment is currently recommended. Check stand for year 3
											regeneration survey is also recommended.
											2021: site planted with containerized red pine. 2018: TS# 039-16.
											Harvested Summer 2018. Skidder Site Prep Herbicide spray Summer 2019. Trenched 2019 in November. Schedule to plant 2021. 2014.
											Oak generated from turn of the century harvest- larger multi-stem trees
											from stump sprouts. Some rp, wp,rm,aspen mixed in. Some red pine regeneration' Many old burnt stumps. A little heavier stocking in
											northeast part with more poles/small logs.

Report 7 - Stands

Compartment: 43 Year of Entry: 2026



Stand	Level 4 Co	over Type		Size De	nsity	Acres Stand Age B	A Range	Managed \$	Site	General Comments
93	4126 - White, E	Black, N. Pi	n Oak S	awtimb	er Well	4.0 109	81-110	N/A		2023: Leave island between two harvests. No action needed.
Ca	anopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
V	White Oak	50	Log/Pole	14	109	Black Cherry	Low	10 - 20 feet	Sapling	
R	Red Maple	10	Pole/Log	9		Red Oak	Low	10 - 20 feet	Sapling	
Nort	thern Pin Oak	10	Log/Pole	14		White Oak	Low	10 - 20 feet	Sapling	
	Red Oak	20	Log/Pole	14	109	Red Maple	Low	10 - 20 feet	Sapling	
ŗ	Red Pine	3	Pole	9						
V	White Pine	5	Log/Pole	10						
	Jack Pine	2	Pole	8						
<b>94</b> 4	4191 - Mixed Upla Co	and Decidu onifer	ous with Pol	etimbe	Mediun	n 38.7 34	51-80	N/A		2023: Low stocked areas. Low quality stand from sprouts. Nice old White Oak scattered in stand. Grown in Barrens look. Still filling in
Ca	anopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	pockets with oak saplings. Let stand develop.
ı	Red Pine	5	Pole	5	34	Red Oak	Low	5 - 10 feet	Sapling	
V	White Pine	25	Pole	7	34	White Oak	Low	5 - 10 feet	Sapling	
ľ	Red Oak	10	Pole/Sapling	5	34	White Pine	Low	5 - 10 feet	Sapling	
Nort	thern Pin Oak	5	Pole/Sapling	5		Witch Hazel	Low	5 - 10 feet	Tall Shrub	
V	White Oak	30	Pole/Sapling	5	34					
	Jack Pine	5	Pole	6						
Big	tooth Aspen	5	Pole	6						
R	Red Maple	15	Pole/Sapling	6	34					
95	42250 -	Pine, Oak	S	awtimb	er Well	9.4 79	81-110	N/A		2023: East side had some aspen and rm cut out in last treatment. RM,
Ca	anopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Oak Aspen poles growing through. The west side is older oak, pine aspen and mix. Drain with large, scattered oak and mixed pine. A little
F	Red Maple	5	Log/Pole	10		Red Oak	Low	5 - 10 feet	Sapling	red maple and aspen. West side is heavier to mature aspen,oak,pine.
	Red Oak	15	Log	17		Bigtooth Aspen	Low	>20 feet	Sapling	A couple stray pieces added to stand from adjacent treatments that are
Big	tooth Aspen	5	Log	12		Red Maple	Low	>20 feet	Sapling	more upland mix. 2014: The west side is mixed pine. The pine in this drain could be left to mature. Jack pine will fall out.
V	White Pine	40	Log/Dolo							
		40	Log/Pole	14	79	White Pine	Low	Variable	Sapling	aram source from the material state print thin team out
	Jack Pine	5	Pole/Log/Sap	14	79 79	White Pine White Oak	Low	Variable 5 - 10 feet	Sapling Sapling	a.a socia se lotto matalo socia pilo minian can
	Jack Pine Red Pine									a.a saa sa
F		5	Pole/Log/Sap	9						
V	Red Pine	5 15 15	Pole/Log/Sap Log/Pole Log	9 14 16	79					2024; Generally lower stocking and quality. Big wp and rp scattered in
V 96	Red Pine White Oak	5 15 15 Black, N. Pi	Pole/Log/Sap Log/Pole Log	9 14 16	79 114	White Oak	Low	5 - 10 feet		2024; Generally lower stocking and quality. Big wp and rp scattered in stand. Most of the stand has terrain challenges. A little flatter on the
96 Ca	Red Pine White Oak 4126 - White, E	5 15 15 Black, N. Pi	Pole/Log/Sap Log/Pole Log	9 14 16	79 114 er Well	White Oak 54.7 104	Low 51-80	5 - 10 feet N/A	Sapling	2024; Generally lower stocking and quality. Big wp and rp scattered in stand. Most of the stand has terrain challenges. A little flatter on the north end which may be able to be thinned if nearby. Could get the pa of the stand north of the well pad below the steep drop. Mark stand an
96 Ca	Red Pine White Oak 4126 - White, E	5 15 15 8lack, N. Pi	Pole/Log/Sap Log/Pole Log  n Oak Pize Class	9 14 16 oletimb	79 114 er Well	White Oak  54.7 104  Sub-Canopy Species	Low 51-80 Density	5 - 10 feet N/A Avg. Height	Sapling	2024; Generally lower stocking and quality. Big wp and rp scattered in stand. Most of the stand has terrain challenges. A little flatter on the north end which may be able to be thinned if nearby. Could get the part of the stand north of the well pad below the steep drop. Mark stand ar remove aspen and poor formed trees. Could work with stand 99 and 8
96 Ca	Red Pine White Oak  4126 - White, Eanopy Species Red Pine	5 15 15 8lack, N. Pi % Cover 5	Pole/Log/Sap Log/Pole Log  n Oak P Size Class Log	9 14 16 oletimb	79 114 er Well	White Oak  54.7 104  Sub-Canopy Species Red Maple	51-80  Density  Low	5 - 10 feet  N/A  Avg. Height >20 feet	Sapling  Size  Pole	2024; Generally lower stocking and quality. Big wp and rp scattered in stand. Most of the stand has terrain challenges. A little flatter on the north end which may be able to be thinned if nearby. Could get the pa of the stand north of the well pad below the steep drop. Mark stand an
96 Ca F Bigs	Red Pine White Oak  4126 - White, Eanopy Species Red Pine White Pine	5 15 15 Black, N. Pi <b>% Cover</b> 5 5	Pole/Log/Sap Log/Pole Log  n Oak P Size Class Log Pole/Log	9 14 16 oletimb DBH 12 12	79 114 er Well	White Oak  54.7 104  Sub-Canopy Species Red Maple Red Oak	51-80  Density  Low  Low	N/A  Avg. Height >20 feet >20 feet	Size Pole Sapling	2024; Generally lower stocking and quality. Big wp and rp scattered in stand. Most of the stand has terrain challenges. A little flatter on the north end which may be able to be thinned if nearby. Could get the part of the stand north of the well pad below the steep drop. Mark stand an remove aspen and poor formed trees. Could work with stand 99 and 8
96 Ca F W Bigg	Red Pine White Oak  4126 - White, Eanopy Species Red Pine White Pine gtooth Aspen	5 15 15 Black, N. Pi % Cover 5 5 10	Pole/Log/Sap Log/Pole Log  n Oak P Size Class Log Pole/Log Log	9 14 16 Oletimb  DBH 12 12 13	79 114 er Well	White Oak  54.7 104  Sub-Canopy Species Red Maple Red Oak White Oak	51-80  Density  Low  Low  Low	N/A  Avg. Height >20 feet >20 feet >20 feet	Size Pole Sapling Pole	2024; Generally lower stocking and quality. Big wp and rp scattered in stand. Most of the stand has terrain challenges. A little flatter on the north end which may be able to be thinned if nearby. Could get the par of the stand north of the well pad below the steep drop. Mark stand an remove aspen and poor formed trees. Could work with stand 99 and 8

10

11

Log/Pole

Red Maple



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
97	4124 - Red	with White (	Dak Sa	awtimber	Medium	24.4	99	51-80	N/A		2023: Pockets of wp sapling that were present before last harvest. Some
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	new wp seedlings in gaps. Some oak sprouts but most browsed. 2018: TS# 039-16. Harvested Summer 2018. Marked to remove poor quality
	White Pine	12	Log/Pole	12		Hazelr	nut (Beaked)	Low	5 - 10 feet	Tall Shruk	
	Red Maple	5	Log/Pole	10		WI	nite Pine	Medium	10 - 20 feet	Sapling	acquisition 2014.
	White Oak	40	Log/Pole	10	99	R	ed Oak	Low	5 - 10 feet	Sapling	
	Red Oak	40	Log/Pole	14	99	R	ed Pine	Low	< 5 feet	Seeding	
	Red Pine	3	Log	13		Re	d Maple	Medium	5 - 10 feet	Sapling	
				•		WI	nite Oak	Low	5 - 10 feet	Sapling	
98	4191 - Mixed Upla Co	and Decidu	ous with F	Poletimbe	er Well	17.8	34	51-80	N/A		2023: Stand in filling in with white oak, pin oak, and some white pine. Oak is getting browsed, but some is advancing. Bowl in north end with
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	heavier white pine canopy. Let stand develop. Will end up with pine oak mix with red maple. Currently pole/sapling stand with scattered larger
	Red Pine	10	Pole/Log	8	104	WI	nite Pine	Low	5 - 10 feet	Sapling	retention from last treatment.
	Bigtooth Aspen	5	Pole	6		Ja	ck Pine	Low	5 - 10 feet	Sapling	
	Red Maple	20	Pole	8	34	Blac	ck Cherry	Low	5 - 10 feet	Sapling	
	White Oak	25	Pole	6	34	R	ed Oak	Low	5 - 10 feet	Sapling	
	Jack Pine	10	Pole	8	34	WI	nite Oak	Low	5 - 10 feet	Sapling	
	Northern Pin Oak	10	Pole	6	34						
99		Red Oak		Sawtimbe		15.4		111-140	N/A		2024: Steep areas in East end. Stand could be thinned down to 80-90 ba. Areas heavy to red oak logs. Could mark for crop tree release.
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	Heavy beech scale in some beech. Should take beech and aspen when
	Hemlock	1	Pole	8			ar Maple	Low	>20 feet	Sapling	harvested. Keep out of the hemlock grove in east side. Some other areas may be too steep to access. Could work with stand 87 and north
	Sugar Maple	14	Log/Pole	11			Beech	Low	>20 feet	Sapling	part of stand 96. Access is an issue due to road issues.
	Red Maple	13	Log/Pole	11			emlock	Low	10 - 20 feet	Sapling	
	Beech Basswood	5	Log	12		1110	onwood	Low	10 - 20 feet	Sapling	
	Red Oak	60	Log	16	114						
	Black Cherry	1	Log Log	10	114						
	<u>*</u>	5	Log/Pole	10							
	Bigtooth Aspen		0								
100	42200 - Nati			Poletimb		12.4	79	81-110	N/A		2024: Mixed sizes of white pine. Good stocking of oak saplings and some poles growing through pine canopy. Most is White Oak. Stand
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	could be thinned in future but would like lead to oak understory advancing
	Red Oak	2	Pole	8	34		ck Pine	Low	10 - 20 feet 10 - 20 feet	Sapling	and stand moving toward oak/pine mix. Should treat before larger pine gets too large for commercial use. Look at next entry. 2004: NEARLY
	Bigtooth Aspen	10	Pole Pole		24		nite Oak	Medium		Sapling	MULTI AGED WHITE PINE 2 AGED NOW. VERY GOOD WP REGEN.
	Jack Pine White Oak	3	Pole/Sapling	8	34		ed Oak nite Pine	Low	10 - 20 feet Variable	Sapling	2014: TS 01-87. TCR 1989. Cut all merchantable but leave all white and
		3						Low		Sapling	red pine. Cut mainly oak, rm, jp, aspen.
	Red Pine	3	Log/Pole	12	79	Re	d Maple	Low	10 - 20 feet	Sapling	

Red Maple

White Pine

Pole

Pole/Log

5

75

34

79

8

9

Red Pine

Sapling

10 - 20 feet

Low



Stand	Level 4 Cove	er Type		Size Density	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
101	3104 - De	graded		Nonstocked	1.8		Unspecified	No		old degraded well pad. pine creeping in.
					Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
					Sw	eet Fern	Medium		Tall Shrub	
					St. J	ohns Wort	Trace		Non-Wood	
					Spotte	d Knapweed	Low		Non-Wood	
					Mixe	d Grasses	Medium		Non-Wood	
					Brad	ken Fern	Low		Non-Wood	
					Ja	ck Pine	Low		Pole	
					Oa	ık (spp.)	Low		Seeding	
102	3104 - De	graded		Nonstocked	2.0		Unspecified	No		2024: active site. still has oil equipment.
					Sub-Ca	nopy Specie	s Density	Avg. Height	Size	
					Bla	ck Cherry	Trace		Sapling	
					Brad	ken Fern	Low		Non-Wood	
					Spotte	d Knapweed	High		Non-Wood	
					Little	Bluestem	Trace		Non-Wood	
						oth Aspen	Trace		Seeding	
					Sw	eet Fern	Low		Tall Shrub	
103	4122 - Oa	k, Pine	;	Sawtimber Poor	r 20.1 114		1-50	N/A		2023: Two aged stand with variable stocking of oak and pine overstory and younger age grown in after harvest. Younger age heavy to rm
		6 Cover	Size Class	DBH Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	sprouts.
	White Oak	34	Log	14 114		ed Oak	Low	Variable	Sapling	·
	White Pine	33	Log	12		nite Oak	Low	Variable	Sapling	
	Red Oak	33	Log	14		nite Pine	Medium	Variable	Sapling	
						d Maple	Medium	Variable	Sapling	
					Bigto	oth Aspen	Low	Variable	Sapling	
104	3205 - Mixed U	pland Sh	nrub	Nonstocked	2.3		Unspecified	No		Nice frost pocket. Leave as is. Dead trees along perimeter. Also has trace of oak, juneberry and SJW.
					Sub-Ca	nopy Specie	s Density	Avg. Height	Size	trace of bak, juneberry and 35vv.
					Pove	erty Grass	Medium		Non-Wood	
					Blueberry/E	ilberry/Cranb	erry Low		Tall Shrub	
						eet Fern	Low		Tall Shrub	
						Bluestem	Low		Non-Wood	
					Cladonia (	Reindeer mos	ss) Low		Non-Wood	
						ken Fern	Low		Non-Wood	
						ck Cherry			Pole	

Year of Entry: 2026

Stand		s	ize De	nsity	Acres	Stand Age	BA Range	Managed Site		General Comments	
105	4130	- Aspen	Po	oletimb	er Well	34.6	35	81-110	N/A		2023: Good aspen stocking in areas but also pockets of oak, WP.RM,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	BC. Good growth on aspen. Some low stocked areas. Lots of bike trails. Let stand grow in.
	White Oak	5	Pole	5		Wh	nite Pine	Low	5 - 10 feet	Sapling	Lot stand grow in
	Black Cherry	5	Pole	5		Blad	ck Cherry	Medium	5 - 10 feet	Sapling	
	Red Oak	5	Pole	6	35						-
	White Pine	5	Pole	5							
	Bigtooth Aspen	70	Pole	6	35						
	Red Maple	10	Pole	5	35						
106	310 - Herbac	ceous Oper	nland f	Nonsto	cked	3.4		Unspecified	No		utility easement
107	4191 - Mixed Upl Co	and Decidu onifer	ous with Po		er Well	6.6	34	51-80	N/A		2023: Stand is filling in with oak and rm saplings and poles. Lower quality stand. Let stand develop. Overstory stocking is variable with
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	heavier pine component in places. 2014: New stand formed after last harvest (age 24) counted as canopy. TS 01-87. TCR 1989. Cut all
	White Oak	20	Pole/Sapling	5	34	Wł	nite Pine	Medium	Variable	Sapling	merchantable but leave all white and red pine. Cut mainly oak, rm, jp,
	Jack Pine	10	Pole	6	34	Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	aspen. OLDER WHITE AND RED PINE AND OAK SCATTERED
	Bigtooth Aspen	20	Pole	6	34	Hazelr	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	AROUND
	Red Oak	20	Pole/Sapling	5	34	Ja	ck Pine	Low	5 - 10 feet	Sapling	
	White Pine	10	Sapling	4	34	WI	nite Oak	Medium	5 - 10 feet	Sapling	
108	4124 - Red	with White	Oak Sa	awtimb	er Well	20.7	117	111-140	N/A		2023: 114 AVG BA. Variable stocking. Oak logs and poles. Could
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	harvest poor quality trees, some of the larger oak, and remaining aspen.  Most rem maple would likely go. Basal area would likely end up in 60-80
	Bigtooth Aspen	5	Log	12		Re	d Maple	Low	>20 feet	Pole	range. Some white pine understory present and may fill in more or may
	White Oak	40	Log/Pole	14	117	R	ed Oak	Low	>20 feet	Pole	just create a new age from red maple sprouts. Bike trails through stand.
	Red Maple	10	Pole/Log	9		WI	nite Oak	Low	>20 feet	Pole	2014: Oak Ridge. Stocking is not too high in stand. Looks like it may have been thinned at some point. Alright at this time.
	Red Oak	45	Log/Pole	14	117	Wh	nite Pine	Low	Variable	Sapling	Thave been difficult at come point. A triging at this time.
110	4310 - Pi	ne, Oak Mi	x Sa	awtimb	er Well	6.8	99	111-140	N/A		2024: No action necessary. Part of new acquisition. 2013. Natural pine mix on steep west facing slope. Some bigger pine mixed in. Stand is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	overstocked but it would be difficult to thin without damaging residual due
	White Oak	20	Log/Pole	13		Re	d Maple	Low	>20 feet	Sapling	to slopes. Consider leaving this small patch of natural pine.
	Bigtooth Aspen	5	Log	12		WI	nite Pine	Low	10 - 20 feet	Sapling	
	White Pine	30	Log/Pole	15	99						
	Red Pine	20	Log	13							
	Red Maple	5	Pole	8							
	Red Oak	20	Log/Pole/XLog	15	99						

Report 7 - Stands



Stand	d Level 4 Co	ver Type		Size De	ensity	Acres Stand Ac	ge BA Range	Managed S	Site	General Comments
111	4130 -	Aspen		Sapling	g Well	10.6 26	81-110	N/A		2023: Looks like all the pine was left last harvest. Mixed sizes. Most is pole and small log size. Decent stocking. Let stand grow in.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	pole and small log size. Decent stocking. Let stand grow in.
	White Oak	5	Sapling	4	26	White Pine	Low	< 5 feet	Sapling	
	Bigtooth Aspen	70	Sapling	4	26					
	White Pine	10	Pole	8	51					
	Red Maple	3	Sapling	4	26					
	Red Oak	10	Sapling	4	26					
ı	Black Cherry	2	Sapling	4						
112	3302 - Low Dens	sity Conifer	Trees	Nonst	ocked	1.2	Unspecified	No		Frost pocket. Rabbit scat (hare).
						Sub-Canopy Spe	cies Density	Avg. Height	Size	
						Jack Pine	Low		Pole	
						White Pine	Low		Pole	
						Black Cherry	Low		Pole	
						Blueberry/Bilberry/Cra	anberry Low		Tall Shrub	
						Sweet Fern	Low		Tall Shrub	
						Cladonia (Reindeer r	moss) Low		Non-Wood	
						Poverty Grass	Low		Non-Wood	
						Oak (spp.)	Low		Pole	
						Little Bluestem	Trace		Non-Wood	
113	4124 - Red w	rith White (	Dak	Sawtimb	er Poo	r 148.0 109	1-50	N/A		2023: Barrens management effort abandoned after 1 burn due to WLD priorities. Burn stimulated oak sprouts resulting in oak thickets in areas.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Spe	cies Density	Avg. Height	Size	Some pockets of aspen regeneration. Some areas have mainly RM
	Red Oak	40	Log/Pole	4.4	109	Red Oak	Low	5 - 10 feet	Sapling	sprouts. Some areas remain open in understory. Remaining oak and
	White Oak			14	103	1100 0011				
		50	Log/Pole	14	109	White Oak	Medium	5 - 10 feet	Sapling	pine canopy 1-50 ba. Let stand develop.
	Red Pine	5	Log/Pole Log	14 12		White Oak Quaking Aspen		5 - 10 feet 5 - 10 feet	Sapling	
			Log/Pole	14		White Oak Quaking Aspen White Pine	Low Low	5 - 10 feet 5 - 10 feet	Sapling Sapling	
	Red Pine	5	Log/Pole Log	14 12		White Oak Quaking Asper White Pine Red Maple	Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
	Red Pine	5	Log/Pole Log	14 12		White Oak Quaking Asper White Pine Red Maple Witch Hazel	Low Low Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	
	Red Pine	5	Log/Pole Log	14 12		White Oak Quaking Asper White Pine Red Maple	Low Low Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	
114	Red Pine White Pine 4191 - Mixed Upla	5 5	Log/Pole Log Pole	14 12	109	White Oak Quaking Asper White Pine Red Maple Witch Hazel Bigtooth Aspen	Low Low Medium Low	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling Tall Shrub	
114	Red Pine White Pine 4191 - Mixed Upla	5 5 5 nd Deciduo	Log/Pole Log Pole	14 12 10 Sawtimb	109	White Oak Quaking Asper White Pine Red Maple Witch Hazel Bigtooth Aspen	Low Low Medium Low Low 111-140	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling Sapling Tall Shrub	pine canopy 1-50 ba. Let stand develop.  Slope around depression lake. Mixed natural pine with oak, aspen and
114	Red Pine White Pine  4191 - Mixed Upla	5 5 5 nd Deciduo	Log/Pole Log Pole	14 12 10 Sawtimb	109 eer We	White Oak Quaking Aspen White Pine Red Maple Witch Hazel Bigtooth Aspen	Low Low Medium Low Low 111-140	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A	Sapling Sapling Sapling Tall Shrub Sapling	pine canopy 1-50 ba. Let stand develop.  Slope around depression lake. Mixed natural pine with oak, aspen and
114	Red Pine White Pine  4191 - Mixed Upla Cor Canopy Species	5 5 5 nd Decidue	Log/Pole Log Pole  Dous with  Size Class	14 12 10 Sawtimb	109 eer We	White Oak Quaking Aspen White Pine Red Maple Witch Hazel Bigtooth Aspen  24.6 99  Sub-Canopy Spe	Low Low Medium Low Low 111-140  Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Tall Shrub Sapling	pine canopy 1-50 ba. Let stand develop.  Slope around depression lake. Mixed natural pine with oak, aspen and
114	Red Pine White Pine  4191 - Mixed Upla Cor Canopy Species Red Oak	nd Deciduo	Log/Pole Log Pole  Dous with  Size Class Log	14 12 10 Sawtimb	109 eer We	White Oak Quaking Aspen White Pine Red Maple Witch Hazel Bigtooth Aspen  24.6 99  Sub-Canopy Spe	Low Low Medium Low Low 111-140  Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Tall Shrub Sapling	pine canopy 1-50 ba. Let stand develop.  Slope around depression lake. Mixed natural pine with oak, aspen and
114	Red Pine White Pine  4191 - Mixed Upla Cor Canopy Species Red Oak White Pine	nd Decidudnifer  **Cover** 20 20	Log/Pole Log Pole  Dus with  Size Class Log Log/Pole	14 12 10 Sawtimb 14 15	109 er We	White Oak Quaking Aspen White Pine Red Maple Witch Hazel Bigtooth Aspen  24.6 99  Sub-Canopy Spe	Low Low Medium Low Low 111-140  Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Tall Shrub Sapling	pine canopy 1-50 ba. Let stand develop.  Slope around depression lake. Mixed natural pine with oak, aspen and
114	Red Pine White Pine  4191 - Mixed Upla Cor Canopy Species Red Oak White Pine White Oak	5 5 5 nd Decidudnifer % Cover 20 20 25	Log/Pole Log Pole  Dus with  Size Class Log Log/Pole Log	14 12 10 Sawtimb 14 15 13	109 er We	White Oak Quaking Aspen White Pine Red Maple Witch Hazel Bigtooth Aspen  24.6 99  Sub-Canopy Spe	Low Low Medium Low Low 111-140  Cies Density	5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Tall Shrub Sapling	pine canopy 1-50 ba. Let stand develop.  Slope around depression lake. Mixed natural pine with oak, aspen and

Traverse City Mgt. Unit



Stand	d Level 4 C	over Type	S	Size Density	Acres	Stand Age E	BA Range	Managed 9	Site	General Comments
115	330 - Low-	Density Tre	ees	Nonstocked	5.9	U	Inspecified	No		
116	3105 - Mixed U	pland Herb	aceous	Nonstocked	1.7	U	Inspecified	No		2024: Low density trees around small pond. 2014: Old stumps, aspen
					Sub-Car	nopy Species	Density	Avg. Height	Size	creeping in. One white pine.
					Brac	ken Fern	Medium		Non-Wood	
					Blueberry/B	ilberry/Cranbe	rry Trace		Tall Shrub	
					Oa	k (spp.)	Trace		Log	
					Cladonia (I	Reindeer moss	s) Trace		Non-Wood	
					Wil	low spp.	Trace			
					Pove	erty Grass	Medium		Non-Wood	
					Swe	eet Fern	Low		Tall Shrub	
					Asp	en (spp.)	Low		Pole	
					Blac	k Cherry	Low		Pole	
117	500	- Water		Nonstocked	23.7	U	Inspecified	No		strombolis lake
118				awtimber We	II 29.0	119	81-110	N/A		2024; Collection of large old oaks with broad crowns and younger age classed grown in to stand. Pole sized and small log sized oak, pine and
	Canopy Species		Size Class	DBH Age		nopy Species	Density	Avg. Height	Size	red maple grown in through the old large-crowned trees. WP and oak
	White Oak	40	XLog/Log/Pole			nite Oak	Low	< 5 feet	Sapling	seedling/sapling layer and age class under. Timber sale was attempted
	Red Oak	30	XLog/Log/Pole		Re	ed Oak	Low	< 5 feet	Sapling	on this stand but not sold. It was to remove some of the old large- crowned trees and poor formed trees. Fine that it didn't sell as this is a
	White Pine	15	Log/Pole/XLog		Wh	ite Pine	Medium	Variable	Sapling	unique amount of large old oak as they were part of a barrens area that
	Red Maple	5	Pole	8						has grown in. The east side of stand was later cut and planted with red
	Red Pine	5	Log/Pole	15						pine.
	Bigtooth Aspen	5	Log	14 89						
119	4133 - Aspe	en, Mixed P	Pine S	awtimber We	II 8.6	75	111-140	N/A		2023: Mixes stand in west end and heavier aspen to east. Slope around
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Lake. 2014: : Mature bigtooth aspen clone. on steep riparian area.
		10	Log/Pole	12		d Maple	Medium	>20 feet	Sapling	
	White Pine					ite Pine	Low	Variable	Sapling	
	Jack Pine	10	Pole/Log	9	VVr	iile Fille	LOW	Validatio	- apg	
		10	Log/Pole	13	vvr	ille Fille	LOW	variable		
	Jack Pine				VVr	ille Fille	Low	Variable	- Capg	
	Jack Pine Red Oak	5	Log/Pole	13	VVr	ille Fille	Low	vanasio	- Capg	
	Jack Pine Red Oak White Oak	5 5	Log/Pole Log	13 14	Wr	ille Fille	Low	vanasie	oupg	
	Jack Pine Red Oak White Oak Red Maple Bigtooth Aspen	5 5 5	Log/Pole Log Pole Log	13 14 8	1.5	U	Inspecified	No	espg	leave as is. could be used as a timber landing.
	Jack Pine Red Oak White Oak Red Maple Bigtooth Aspen	5 5 5 65	Log/Pole Log Pole Log	13 14 8 12 75	1.5		Inspecified		Size	
	Jack Pine Red Oak White Oak Red Maple Bigtooth Aspen	5 5 5 65	Log/Pole Log Pole Log	13 14 8 12 75	1.5 Sub-Car	U	Inspecified	No	Size Tall Shrub	
120	Jack Pine Red Oak White Oak Red Maple Bigtooth Aspen	5 5 5 65	Log/Pole Log Pole Log	13 14 8 12 75	1.5 Sub-Car	∪ nopy Species	Unspecified  Density	No	Size	

## Report 7 - Stands



Stand	Level 4 Co	over Type		Size Den	sity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
121	500 -	Water		Nonstoo	ked	10.5	l	Unspecified	No		ponds,.
122	3205 - Mixed	Upland Sh	ırub	Nonstoo	ked	2.1	l	Unspecified	No		old well pad
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	
						Mixed	d Grasses	Low		Non-Wood	
						Brac	ken Fern	Medium		Non-Wood	
						Sw	eet Fern	Low		Tall Shrub	
						Oa	ık (spp.)	Low		Sapling	
						Ja	ck Pine	Low		Sapling	
						Autu	ımn Olive	Medium		Tall Shrub	
123	6239 - Mixed E	mergent W	etland	Nonstoo	ked	1.4	l	Unspecified	No		2024: Low wet area.
124	4129 - N	/lixed Oak		Sawtimbe	r Well	21.3	99	111-140	N/A		2024: Mixed sizes of lower quality oak with RM and pine. Some WP applings and seedlings in gaps. Not interesting. New acquisition 2014.
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size	Ground has a moderate slope. Most of it would be workable. Mixed oak
	Red Maple	20	Pole/Log	9		Re	d Maple	Low	< 5 feet	Sapling	with aspen, rm and pine. Aspen is clonal but also scattered individually
	White Oak	30	Log/Pole	14	99	Wh	nite Pine	Low	Variable	Sapling	in parts of stand. Some of the red maple in the coves has decent form and this species is well represented in these areas. The aspen is mature
	White Pine	8	Log/Pole	14	99						and declining a bit.
	Red Oak	35	Log/Pole		99						· ·
	Bigtooth Aspen	5	Log	12							
	Red Pine	2	Log	14	99						
125	122 - Road	I/Parking Lo	ot	Nonstoo	ked	1.4	l	Unspecified	No		Supply Road
126	4124 - Red v	vith White C	Dak	Sawtimbe		63.7	94	81-110	N/A		2023: Generally lower quality log sized oak stand. Ground is rolling.  Stocking and diameters are variable. Part of the stand west of strombolis
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	road burned in 2022. Consider cutting some of the better laying ground
	Bigtooth Aspen	5	Log/Pole	12	79	Hazeln	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	and planting to red pine. There is little regeneration occurring in
١	Iorthern Pin Oak	5	Log/Pole	14		Oa	ık (spp.)	Low	10 - 20 feet	Sapling	understory and the oak stand is generally lower quality . 2014. Part of this stand is new acquisition. Mixed oak stand. Heavier to Red Oak and
	White Oak	30	Log/Pole	14	89	Re	d Maple	Low	10 - 20 feet	Sapling	more log sized than surrounding stands.
	Red Oak	50	Log/Pole	14	94	Wh	nite Pine	Low	10 - 20 feet	Sapling	3
	Red Maple	10	Pole	8							



				Size Density		y Acres Stand Age BA Range		BA Range	Managed Site		General Comments
127	4191 - Mixed Upla Co	ınd Decidu nifer	ous with	Sawtimb	er Well	33.4	109	111-140	N/A		.2024: 126 avg BA. Mixed stand. Larger pine and oak component with mix of poles and small logs. Some aged aspen dropping out. Could thin
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	and get bigger pine and oak with poor formed trees. Some well-formed oak-most is WO but some decent RO. Cut remaining aspen, jp, and mos
	White Oak	20	Log/Pole	12		WI	hite Pine	Medium	Variable	Sapling	RM. Green mark some well-formed RM for retention. Final Basal area
	Bigtooth Aspen	10	Log	14	89	Ja	ack Pine	Low	>20 feet	Sapling	may be 40-80 range depending on quality. Adjacent stand has not
	Red Pine	10	Log	14		R	ed Pine	Low	>20 feet	Sapling	developed much understory but there is an unusual amount of natural receptions. Keep some scattered RP for seed. Access road from supply road
	White Pine	15	Log	12		WI	hite Oak	Low	>20 feet	Pole	across powerline. White pine is trying to form in understory in areas but
	Jack Pine	2	Pole	8		Re	ed Maple	Low	>20 feet	Sapling	spindly and broken. Decent quality small logs and poles. Keep most
	Red Oak	25	Log	13	109						pine in stand and mark through red maple with the oak. 2014: Oak/pine maple/aspen. Good pine component with older pine scattered around.
	Red Maple	10	Pole	8	59						Oak is average with a good bit of big wolfy crowns. Aspen is old and
1	Northern Pin Oak	8	Log	14							declining. WP regen is thick in places.
128	3301 - Low Densi	ty Deciduo	us Trees	Nonsto	ocked	1.0	ı	Unspecified	No		
						Sub-Ca	nopy Species	s Density	Avg. Height	Size	
						Cladonia (	Reindeer mos	ss) Low		Non-Wood	
						Oa	ak (spp.)	Low		Pole	
						Brad	cken Fern	Medium		Non-Wood	
						Pove	erty Grass	Medium		Non-Wood	
						Blad	ck Cherry	Low		Pole	
					E	Blueberry/E	Bilberry/Cranbe	erry Low		Tall Shrub	
129	310 - Herbace	eous Open	land	Nonsto	ocked	2.5	I	Unspecified	No		2024: Abandoned wells site.
130	122 - Road	/Parking Lo	ot	Nonsto	ocked	1.3	I	Unspecified	No		Supply Road
131	4126 - White, E	Black, N. Pi	n Oak	Sawtimb		57.6	110	51-80	N/A		2025: Not a lot of new under -story forming after last harvest. Some RP seedlings along with vigorous RM sprouts and a little aspen. Light WP
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	regeneration. Let stand develop. TS# 082-06. Completed 12/15/10.
	White Oak	47	Log	12	110	WI	hite Pine	Low	Variable	Sapling	Combination of crop tree release and understory release for white pine.
	White Pine	5	Pole/Log	8		Bigto	ooth Aspen	Low	10 - 20 feet	Sapling	Cut all rm, aspen and orange marked.
	Red Pine	3	Log/Pole	10		R	ed Pine	Low	< 5 feet	Sapling	
	Red Oak	35	Log/Pole	12	110	Re	ed Maple	Medium	10 - 20 feet	Sapling	
1	Northern Pin Oak	10	Pole/Log	10							

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Stand	·			Size De	ensity	Acres	Stand Age B	A Range	Managed	Site	General Comments
132	3303 - Mixed L	ow Density	Trees	Nonst	ocked	1.7	U	nspecified	No		2023: Two small openings in depression with jp between and filling in.
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Brack	ken Fern	Low		Non-Wood	
						Jac	k Pine	Medium		Pole	
						Little I	Bluestem	Medium		Non-Wood	
						Pover	ty Grass	Low		Non-Wood	
						Re	d Pine	Low		Log	
						Swe	et Fern	Low		Tall Shrub	
						Red	Maple	Trace		Sapling	
						Black	c Cherry	Medium		Pole	
133	4131 - A	Aspen, Oak	F	Poletimb	er Well	6.8	44	81-110	N/A		2024: Mixed size of oak retention scattered through aspen poles.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Heavier residual oak in places. Let stand grow in. 2014; Young aspen regen
	Red Maple	2	Pole	6		Black	c Cherry	Low	10 - 20 feet	Sapling	
	Red Oak	5	Pole	8		Whi	te Oak	Low	10 - 20 feet	Sapling	
	White Oak	20	Log/Pole	10							
	White Pine	3	Pole	8							
	Bigtooth Aspen	70	Pole	7	44						
134	4126 - White,	Black, N. P	in Oak	Sawtimb		22.6	108	111-140	N/A		2024: Oak flat. Could be lightly thinned. Would be an easy sale to set up by removing poor quality and larger oak. May be able to develop
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	some understory by removing some mid canopy trees. May not be
	Red Oak	25	Log/XLog	15	108	Whi	te Pine	Low	Variable	Sapling	enough volume to be an attractive commercial harvest. Little understory
N	lorthern Pin Oak	10	Log/Pole	12							formation. Stand has been thinned in the past while in private ownership. Generally moderate quality trees. Some well-formed white oak stems.
	White Oak	60	Log/Pole	12	108						Red oak is larger but lower quality. As ground lays well, this may be a
	Red Maple	5	Pole	8							good place to clear and plant red pine in future. May want to let adjacent
											young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand.
135	31022 - Warr	m Season C	Grass	Nonst	ocked	3.8	U	nspecified	No		2014: WLD Lots of grass species. Low to Medioumpriority burn.
						Sub-Can	opy Species	Density	Avg. Height	Size	Possibly not enough continuous fuels. This is a cold air drainage with minor aspen encroachment and evidence of an old burn. Has low spots
											Thirly aspen choloachinent and evidence of all old built. Thas low spots
						Little I	Bluestem	Medium		Non-Wood	that are probably seasonally flooded and there is evidence of mudrunners
							Sluestem Knapweed	Low		Non-Wood	that are probably seasonally flooded and there is evidence of mudrunners
						Spotted					that are probably seasonally flooded and there is evidence of mudrunners
						Spotted Black	Knapweed	Low		Non-Wood	that are probably seasonally flooded and there is evidence of mudrunners
						Spotted Black Oak	Knapweed Cherry	Low Low		Non-Wood Pole	that are probably seasonally flooded and there is evidence of mudrunners
						Spotted Black Oak St. Jo	Knapweed Cherry (spp.)	Low Low Low		Non-Wood Pole Pole	that are probably seasonally flooded and there is evidence of mudrunners

Report 7 - Stands Compartment: 43

road.



		Level 4 Cover Type												Year of Entry: 2026			
Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	BA Range	Managed	Site	General Comments						
136	4126 - White, I	Black, N. Pi	n Oak	Sawtimb	er Well	20.4	104	51-80	N/A		2024: Mixed lower quality oak logs. and poles. Not much regeneration						
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	after harvest. Heavy browsing on oak and rm. Some aspen regen pockets and some rm advancing. Pockets of WO seedling and saps. Let						
	Red Oak	27	Log/Pole	13	104	R	ed Oak	Low	5 - 10 feet	Sapling	stand develop.						
	White Oak	57	Log/Pole	12	104	Wh	hite Oak	Low	5 - 10 feet	Sapling							
	White Pine	5	Log/Pole	10		Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub							
В	Bigtooth Aspen	1	Pole	6		Bigto	oth Aspen	Medium	>20 feet	Sapling							
No	orthern Pin Oak	10	Log/Pole	12		Re	d Maple	Low	5 - 10 feet	Sapling							
137	Canopy Species	Oak, Pine % Cover	Size Class	Sawtimb DBH	Age	64.5 <b>Sub-Ca</b>	124 nopy Species	111-140 <b>Density</b>	N/A Avg. Height	Size	2024: Some decline in the oak overstory notedmost in the old pin oak.  Oak is low quality and generally large and old with younger ages grown  in There are some well-formed trees in the note. XI size. The stand has						
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	in. There are some well-formed trees in the pole-XL size. The stand has						
	Jack Pine	5	Pole	8			nite Pine	Medium	10 - 20 feet	Sapling	a White Pine component and some RP. Pine looks well suited to site,						
	Red Oak	15	XLog/Log				ed Pine	Low	10 - 20 feet	Sapling	but oak is generally poor quality. Parts of east line surveyed. Stand to south was harvested and got patchy oak regen and some aspen but not a						
	White Oak	30	XLog/Log	18	124	Wh	hite Oak	Medium	10 - 20 feet	Sapling	lot of wp filling in. Not confident that pine would fill this stand naturally.						
Е	Bigtooth Aspen	5	Log	14		Re	d Maple	Medium	10 - 20 feet	Sapling	Could green mark the better formed oak in pole-XL sizes and cut the rest						
No	orthern Pin Oak	15	XLog/Log	18		R	ed Oak	Medium	10 - 20 feet	Sapling	down to 2" dbh. A lot of the advanced regeneration seems of poor form						
	White Pine	20	Log/Pole	12							and would be better off re-sprouted. Could keep most of the pine but remove a lot of the older large wp. Keep most RP as there is not much.						
	Red Pine	10	Log	16	94						The stand would likely go to a oak/pine mix. Large wolfy oak may be a						
					<u>"</u>						challenge to harvest. Some may be legacy trees so may need to retain. They take up a good amount of crown space. Oak understory stocking is variable and heavily browsed and deformed. Some patches are						

138	4131 - A	spen, Oak		Poletimb	er Well	35.1	56	111-140	N/A	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Specie	es Density	Avg. Height	Size
	Red Maple	2	Pole	5		Re	ed Oak	Low	10 - 20 feet	Sapling
	White Oak	10	Log/Pole	10		Wh	ite Oak	Low	10 - 20 feet	Sapling
Е	Bigtooth Aspen	72	Pole/Log	8	56	Blac	k Cherry	Low	10 - 20 feet	Sapling
	White Pine	2	Pole	7		Red Maple		Low	10 - 20 feet	Sapling
	Red Pine	2	Pole	Pole 8		Wh	ite Pine	Low	Variable	Sapling
	Black Cherry 2		Pole	8						
	Red Oak	10	Log/Pole	10						

2024: Aspen is mature and ready to regenerate. Consider final harvest with scattered oak and pine retention from well-formed trees. May have areas of higher oak retention in pockets where there is better quality oak. Work around steep areas and ponds leaving adequate riparian retention. SW lobe is steep hillside and could be retention area. Access needs to be determined. May need to find suitable landing location and skid all the wood to one accessible place.

advancing. Not a lot of wp under. Stand is challenging. New subdivision being built on east side of stand. 2014: Big wolfy oak with some larger white and red pine scattered around. Pine, oak and maple understory heavy in most of stand. Oak understory is mostly poorly formed . Remaining jack pine and aspen in stand is declining in vigor and dropping out. Heavier aspen stocking on south and east of two track



Stand	<del></del>			Size Density		ity Acres Stand Age BA Ra		A Range Managed Site		Site	General Comments
139	3105 - Mixed U	pland Herba	aceous	Nonsto	cked	1.3	Ur	specified	No		2024: There is a mixed emergent wetland located at the south portion of
						Sub-Ca	nopy Species	Density	Avg. Height	Size	the this stand. This wetland consists of mixed grasses, bracken fern, willow, iris, silverleaf, tussock sedge, and aspen.
						Servicebe	erry (Juneberry)	Medium			Timon, me, enveneen, teeseen eeege, ene eepen
						Blueberry/E	silberry/Cranberr	y Trace		Tall Shrub	
						Brad	cken Fern	Low		Non-Wood	
						Ja	ick Pine	Trace		Log	
						St. J	ohns Wort	Trace		Non-Wood	
						Little	Bluestem	Trace		Non-Wood	
						Bla	ck Cherry	Low		Pole	
						Sw	eet Fern	Low		Tall Shrub	
						Pove	erty Grass	Medium		Non-Wood	
						Cladonia (	Reindeer moss)	Trace		Non-Wood	
						Asp	en (spp.)	Trace		Sapling	
						Oa	ak (spp.)	Trace		Log	
140	4126 - White, I	Black, N. Pi	n Oak Sa	awtimber	· Medi	um 46.0	119	51-80	N/A		2023: Good aspen regen in areas after harvest along with red maple
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sprouts. Aspen sprouts have been getting browsed heavily but some is advancing. Light wp regen after harvest. Let stand develop. 2018: Stand
	Red Maple	10	Pole	8			ed Oak	Low	< 5 feet	Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed
	White Pine	10	Log/Pole	12	75	Re	d Maple	Medium	5 - 10 feet	Sapling	oak wilt pocket in SE part of stand along private line had all red oak
	Red Oak	30	Log	12	119	WI	nite Pine	Low	Variable	Sapling	removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory.
	Red Pine	10	Log/Pole	14	75	W	hite Oak	Low	< 5 feet	Sapling	2014: Oak with scattered red and white pine. Some large wp scattered
	White Oak	40	Log	12	119	Bigto	oth Aspen	Medium	5 - 10 feet	Sapling	around. Mixed oak sizes some bigger wolfy crowns but most is log/pole
											size. Scattered aspen clones. A little bit of natural red pine regeneraton in understory. WP understory is considerable in stand but has a good bit of snow damage from previous winters. Possible oak wilt or root rot pocket central near south line.
141	3105 - Mixed U	pland Herba	aceous	Nonsto	cked	1.8	Ur	specified	No		2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
							nopy Species	Density	Avg. Height	Size	
						Blueberry/E	silberry/Cranberr	-		Tall Shrub	
						Brad	cken Fern	Medium		Non-Wood	
						Sw	eet Fern	Low		Tall Shrub	
						Cladonia (	Reindeer moss)	Trace		Non-Wood	
						Wi	llow spp.	Trace			
						Pove	erty Grass	Medium		Non-Wood	
						Bla	ck Cherry	Low		Pole	
						Asp	en (spp.)	Low		Pole	
						Oa	ak (spp.)	Trace		Log	



Stand	, <u>, , , , , , , , , , , , , , , , , , </u>			Size Density	Acres Stand Ag	e BA Range	Managed	Site	General Comments	
142	3101 - Poverty	Grass, Cla	adonia	Nonstocked	8.5	Unspecified	d No		2023: Low density trees. ORV intrusion. May want to look at limiting access. 2014WLD Occasional clone of mature aspen (some mortality).	
					Sub-Canopy Spec	cies Densit	y Avg. Height	Size	This is another cold air drainage valley. Could do some saw work.	
					Poverty Grass	Full		Non-Wood		
					Oak (spp.)	Low		Pole		
					Black Cherry	Low		Pole		
					Sweet Fern	Low		Tall Shrub		
					Little Bluestem	Mediu	m	Non-Wood		
					Aspen (spp.)	Low		Pole		
143	310 - Herbace	eous Open	land	Nonstocked	12.7	Unspecified	d No		Active oil and gas facility.	
144	500 -	Water		Nonstocked	3.8	Unspecifie	d No		2024: Pond 2014: small pond with varying perimeter of upland/lowland	
					Sub-Canopy Spec	cies Densit	y Avg. Height	Size	ecotone. Lots of frogs. Several unidentified wildflowers along perimeter.	
					Waterlillies	Low		Non-Wood		
					Sedges	Low		Non-Wood		
					Mixed Grasses	Low		Non-Wood		
					Rushes	Low		Non-Wood		
145	3105 - Mixed Up	3105 - Mixed Upland Herbaceous	aceous	Nonstocked	13.6	Unspecified	d No		2024: Low density trees in frost pocket BC, Oak. Some areas near	
					Sub-Canopy Spec	cies Densit	y Avg. Height	Size	forested 2004:Frost pocket. Nice mix of natural cover, browse, and hard and soft mast.	
					Sweet Fern	Low		Tall Shrub		
					Serviceberry (Juneb	erry) Trace	9			
					Spotted Knapwee	ed Trace	)	Non-Wood		
					Bracken Fern	Mediu	m	Non-Wood		
					Blueberry/Bilberry/Cra	nberry Trace	9	Tall Shrub		
					Oak (spp.)	Low		Pole		
					Mixed Grasses	Mediu	m	Non-Wood		
					Black Cherry	Low		Pole		
					St. Johns Wort	Trace	)	Non-Wood		
					Red Maple	Trace	9	Pole		
146	42111 - Planted Deci	Red Pine, duous	Mixed	Sapling Poor	43.4 6	Immature	N/A		2024: Scattered oak and pine retention with planted rp and sprouts from oak, maple and aspen. Shift to forested stand. Good growth on surviving	
	Canopy Species	% Cover	Size Class	DBH Age					red pine. 2018: Regen inventory 10/18. 24% mortality 67% FTG. Recommend by C. Allen Let mixed stand grow in. Check 3 yr. Planted	
	Red Oak	5	Sapling	1 6					red pine spring 2018. Trenched 2017. TS# 036-16. Cut all but green	
	Red Pine	65	Sapling	1 6					marked retention. Trench and plant red pine after harvest. Trenched	
	White Pine	5	Sapling	1					2017. Should plant spring 2018. May need herbicide to control red maple. 2004:Some pockets of pole sized oak and then patches of	
	Black Cherry	10	Sapling	1					larger log size 2014: Some old wolfy oak but the rest is mixed diameters	
	Red Maple	5	Sapling	1 6				with variable stocking. Most is poor quality. Some better oak a	with variable stocking. Most is poor quality. Some better oak and	
	Bigtooth Aspen 5 Sapling  Sapling		1 6					stocking on NE part of stand. Consider retaining a few oak and pine and chipping stand/trenching and planting red pine.		

## Report 7 - Stands



Stan		over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed	Site	General Comments		
147	3104 -	Degraded		Nonst	ocked	1.6		Unspecified	No		2024: Well pad seems to be abandoned. revegetate		
						Sub-Car	opy Speci	es Density	Avg. Height	Size			
						Spotted	Knapweed	l High		Non-Wood			
						Blac	k Cherry	Trace		Sapling			
						Brac	ken Fern	Low		Non-Wood	$oldsymbol{\perp}$		
						Little	Bluestem	Trace		Non-Wood			
							oth Aspen	Trace		Seeding			
						Swe	eet Fern	Low		Tall Shrub			
148	310 - Herbad	ceous Openl	land	Nonsto	ocked	1.8		Unspecified	No		2024: Active oil and gas facility		
149	4310 - Pi	ine, Oak Mix	<	Sapling	g Poor	14.8	6	Immature	N/A		2023: Good growth on planted red pine. More oak competition in south		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Speci	es Density	Avg. Height	Size	end of stand. Should grow in to nice mixed stand with good red pine component. 2021		
	White Pine	2	Sapling	1		Blueberry/Bi	lberry/Cran	berry Low	< 5 feet	Tall Shrub	Herbicide treatment for red pine release Sep 2021? This was planned		
	Black Cherry	2	Sapling	1							but not completed? Does not look like it 2018. Planted red pine 2018 2017. Harvested. TS# 085-16. TCR 8/17. Final harvest with scattered		
	Red Pine	50	Sapling	1	6						oak and pine retained. Next step- trench and plant red pine. Trenched		
	White Oak	18	Sapling	1	6						Fall 2017. Planted spring 2018. Oct. 2018 regen check showed 21%		
	Bigtooth Aspen	5	Sapling	1	6						mortality on planted RP, 46% free to grow. Belt of quaking aspen regen along the north edge. Abundant w. oak acorn crop may result in		
	Red Oak	18	Sapling	1							additional oak regen next year, further competing with pine. Can't be		
	Red Maple				Sapling	1							aerial sprayed due to mature retained trees, so a ground herbicide
150		ine, Oak Mix			g Well	31.3	15	1-50	N/A		application is recommended to set back the oak regen and release the planted RP. Wait till 2018 acorn crop germinates before spraying for maximum control. Retained oaks on site should produce more acorns in the future to diversify the regeneration after the RP have had a chance to grow.  2024: Log sized oak and pine overstory with planted red pine and natura		
150							10	1.00	14/74		deciduous mix growing in. Called both in canopy Good growth and		
	Canopy Species White Oak	% Cover	Size Class		Age 92						survival on planted pine.		
	White Oak	10	Log Sapling	10	15								
	Red Oak	10	Sapling	1	15								
	White Pine	5	Log	12	13								
	White Pine	3	Sapling	1									
	Bigtooth Aspen	5	Sapling	1	15								
	Red Maple	5	Sapling	1	15								
	Red Oak	7	Log	11	92								
	Red Pine	50	Sapling	1	15								
151			, ,	Nonsto		17.4		Unspecified	No		utility easement		



Stand	tand Level 4 Cover Type		:	Size Density		Acres Stand Age BA Range		BA Range	Managed Site		General Comments
152	330 - Low-	Density Tre	ees	Nonstocked		5.4	L	Jnspecified	No		2024: Low density trees. BC, Oak, WP
153	4199 - Other Mixe	ed Upland D	Deciduous S	awtimb	er Well	5.9	53	81-110	N/A		2024: Large old oak scattered with second age of aspen, oak, rm and wp
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	grown in. Some steep areas. Not very interesting. Let stand grow in.
N	lorthern Pin Oak	5	Log	14		Wh	nite Pine	Medium	10 - 20 feet	Sapling	
	White Oak	25	Log/Pole/XLog	16	104	WI	nite Oak	Low	10 - 20 feet	Sapling	
	Red Oak	20	XLog/Log	18	104	R	ed Oak	Low	5 - 10 feet	Sapling	
	Red Maple	15	Pole	8		Re	d Maple	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	35	Pole/Log	9	53	Wit	ch Hazel	Low	10 - 20 feet	Tall Shrub	
154	4131 - A	Aspen, Oak	Р	oletimb	er Well	7.9	54	51-80	N/A		2024: Mixed up species and ages around depressions. Some steep areas. Some younger aspen where cut in past and areas with older
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas. Some younger aspen where cut in past and areas with older aspen with pin oak, pine and cherry. No reason to treat this stand.
	Black Cherry	10	Pole	9		Wł	nite Pine	Low	>20 feet	Sapling	, , , , , , , , , , , , , , , , , , , ,
	Red Maple	3	Pole	9		Blad	ck Cherry	Low	10 - 20 feet	Sapling	
I	Bigtooth Aspen	50	Pole	7	54						
	White Pine	5	Pole	8							
	Red Pine	5	Log/Pole	11	57						
	Jack Pine	2	Log/Pole	10							
	White Oak	10	Log/Pole	12							
N	lorthern Pin Oak	15	Log	14							
155	3104 -	Degraded		Nonst	cked	3.0	ι	Inspecified	No		2024: Hill climbs out of pit. Needs attention RDR#61043282018008.  Need to look at ways to block access and address. 2014: Opening is a
						Sub-Ca	nopy Species	Density	Avg. Height	Size	small valley, cold air drainage. The sides and some of the center are
						St. J	ohns Wort	Low		Non-Wood	bare sand with ORV use. Keep as opening but reveg(?), probably very
						Mixe	d Grasses	Medium		Non-Wood	difficult. Probably leave as is but block ORV use.
						Blad	ck Cherry	Trace		Pole	
						Sw	eet Fern	Low		Tall Shrub	
						Blackbe	rry/Raspberry	Trace		Tall Shrub	
							cken Fern	Low		Non-Wood	
						Spotte	d Knapweed	Low		Non-Wood	
156	4126 - White, I	Black, N. P	in Oak S	awtimb	er Well	4.3	84	51-80	N/A		2023: Stand looks alright. Maintain for small oak island. 2018: TS# 036-  16. Stand thinned when stand to south was harvested to try to keep a
	Canopy Species		Size Class		l Age		nopy Species	Density	Avg. Height	Size	small oak island in this area. Pole size oak stand. Low quality. Little
N	lorthern Pin Oak	10	Log/Pole	11			nite Oak	Low	< 5 feet	Sapling	sub canopy formation after last harvest.
	Red Maple	11	Pole	8			nite Pine	Low	10 - 20 feet	Sapling	
	Red Oak	10	Log/Pole	12	84	R	ed Pine	Low	10 - 20 feet	Sapling	
	White Oak	65	Log/Pole	10	84	R	ed Oak	Low	< 5 feet	Sapling	
	Bigtooth Aspen	2	Pole/Log	8		Re	d Maple	Low	< 5 feet	Sapling	
(	Quaking Aspen	2	Pole/Log	8							



Stand	and Level 4 Cover Type Size D		ize De	nsity	Acres	Stand Age E	BA Range Managed Site			General Comments	
158	3301 - Low Dens	ity Deciduo	us Trees I	Nonsto	cked	1.4	ι	Inspecified	No		2014: Scattered LBS, one log WP, aspen is dying in a depression,
						Sub-Ca	nopy Species	Density	Avg. Height	Size	possibly a frost pocket. Road from 161 to this stand was once bermed (reclose?). Nice mix.
						Mixe	d Grasses	Medium		Non-Wood	
						Cladonia (	Reindeer mos	s) Trace		Non-Wood	
						St. J	ohns Wort	Low		Non-Wood	
						Brad	cken Fern	Medium		Non-Wood	
						Oa	ak (spp.)	Low		Sapling	
						Sw	eet Fern	Trace		Tall Shrub	
						Asp	en (spp.)	Low		Pole	
						R	ed Pine	Trace		Log	
						Blad	ck Cherry	Low		Log	
						Spotte	d Knapweed	Trace		Non-Wood	
159	310 - Herbac	eous Open	land I	Nonsto	cked	3.0	L	Inspecified	No		2024: Poor quality opening on mild slope. Autumn olive. Jp growing in on east side. Stand should be planted if stand 161 is re-started.
160	4131 - <i>A</i>	spen, Oak	Pole	timber	Mediu	ım 50.2	25	51-80	N/A		2024: Pockets of well stocked aspen with good growth. Other areas
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	heavier to White Oak, ,Pin Oak, Red Oak. JP. WP. Som older scattered RP/WP in stand. Pockets of JP. Some poor stocked areas. Let stand
	Black Cherry	2	Sapling	4	25		ck Cherry	Low	5 - 10 feet	Sapling	develop.
В	Bigtooth Aspen	52	Pole/Sapling	5	25	Re	d Maple	Medium	5 - 10 feet	Sapling	·
	Red Pine	1	Log/Pole	12		WI	nite Pine	Low	Variable	Sapling	
	White Oak	15	Sapling/Pole	4	25					1	
	Jack Pine	5	Pole	5							
No	orthern Pin Oak	15	Pole/Sapling	5							
	White Pine	2	Log/Pole	12							
	Red Oak	3	Sapling	4	25						
	Red Maple	5	Sapling	4							
161	42110 - Pla	nted Red P	ine Sa	awtimb	er Wel	l 71.7	73	111-140	N/A		2024: Stocking is variable. 127 avg ba. North part of stand (north of
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	drain) is generally lower stocking and has more advance understory of oak and rm. Vernal pond in east side of drain. Could cut and plant part
	Red Maple	2	Pole	6	25	R	ed Oak	Low	10 - 20 feet	Sapling	south of drain and reduce the RP stocking in the North part (20-40 ba)
	Red Oak	2	Pole	8		Blac	ck Cherry	Low	10 - 20 feet	Sapling	to release advanced understory of oak, rp. Could include stand 159 if
В	Bigtooth Aspen	2	Pole	8	25	WI	hite Oak	Low	10 - 20 feet	Sapling	planted. Could reduce the stocking in the whole stand and move towards oak and rm. Could hold until adjacent young plantations grow in. Aspen
	Red Pine	92	Log/Pole	12	73	WI	nite Pine	Low	10 - 20 feet	Sapling	clones (20'+) and advanced oak, rm, bc regen in stand 10-20'. Harvest
	White Oak	2	Pole	8		Ja	ick Pine	Low	10 - 20 feet	Sapling	would cause a lot of damage to understory. Advance understory will
						Wit	ch Hazel	Low	10 - 20 feet	Tall Shrub	cause difficulty in trying to replant this stand. May be best to let this stand develop until aspen is merchantable and then to cc and let it sprout
						Bigto	oth Aspen	Low	10 - 20 feet	Sapling	with a natural mix of oak, aspen, bc, rm. May need to wait 20 years.
						Re	d Maple	Low	10 - 20 feet	Sapling	Stand is not over stocked or oversized at this time. Drain across stand
											could be retention area if harvested.

Report 7 - Stands



Stand	d Level 4 C	over Type	S	ize Density	Acres Stand Age BA	Range	Managed S	Site	General Comments		
162	4191 - Mixed Upla Co	and Decidu onifer	ious with Sa	awtimber Well	13.9 104 1	11-140	N/A		2023: Steeper slope that was excluded from timber sale to north. Large older pine and oak. Factor limited for steep ground.		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size			
	White Pine	30	Log/XLog	15 104	White Pine	Medium	Variable	Sapling			
	Bigtooth Aspen	5	Log/XLog	14	Red Maple	Low	>20 feet	Sapling			
	White Oak	30	Log	14 108	Hazelnut (Beaked)	Low	10 - 20 feet	Tall Shrub			
	Red Maple	5	Log/Pole	12	Red Oak	Low	10 - 20 feet	Sapling			
	Red Pine	10	Log	14 104	White Oak	Low	10 - 20 feet	Sapling			
	Red Oak	20	Log	15 104							
163	4126 - White, E	Black, N. P	in Oak Sa	awtimber Well	8.4 131 1	11-140	N/A		2024: Mixed sized of oak with white pine poles and saplings growing		
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	through. Some large old oak. Nice stand with wp advancing. Let stand grow in. Keep for diversity.		
	Bigtooth Aspen	5	Log	13	White Oak	Low	Variable	Sapling	great and troop for divorcity.		
	Northern Pin Oak	10	Log/XLog/Pole	18	White Pine	Medium	Variable	Sapling			
	Red Pine	2	Log/Pole	12	Red Oak	Low	Variable	Sapling			
	Red Oak	30	Log/XLog/Pole	18	Red Pine	Low	>20 feet	Sapling			
	White Pine	3	Log/Pole	12							
	White Oak	50	Log/Pole	16 131							
164	31022 - Warn	n Season (	Grass I	Nonstocked	1.3 Un	specified	No		Frost pocket.		
					Sub-Canopy Species	Density	Avg. Height	Size			
					Black Cherry	Low		Log			
					Sweet Fern	Trace		Tall Shrub			
					Little Bluestem	Medium		Non-Wood			
					Cladonia (Reindeer moss)	Trace		Non-Wood			
					White Oak	Trace		Pole			
					White Oak Poverty Grass	Trace Medium		Pole Non-Wood			

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Compartment: 43
Year of Entry: 2026

Stand	<u>, , , , , , , , , , , , , , , , , , , </u>		•	Size Density		Acres Stand Age BA R		A Range Managed Site		Site	General Comments
166	4126 - White,	Black, N. Pi	in Oak S	awtimb	er Well	30.6	119	81-110	N/A		2024: Poor quality oak with wp growing in. Could just let the oak fall out
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	over time and let stand convert to wp or could take most of the oak off with the aspen and red maple. Stand may not regenerate well. Adjacent
N	orthern Pin Oak	20	Log/XLog	14		R	ed Pine	Low	10 - 20 feet	Sapling	stands have filled in with pin oak/white oak. Looks best to CC and plant
	White Pine	15	Log/Pole	13		W	hite Oak	Low	>20 feet	Pole	red pine. Leave some scattered oak and white pine. Good bit of large
	Red Maple	5	Pole/Log	9		Wit	tch Hazel	Low	10 - 20 feet	Tall Shrub	woody debris. May need to flat plant. A little aspen may sprout but not a lot of rm in stand. RP in stand looks good and some of the oak is a little
	White Oak	25	Log/XLog/Pole	15	119	Re	ed Maple	Medium	>20 feet	Pole	better as this site index may be a little higher. Could harvest with parts of
(	Quaking Aspen	5	Log/Pole	11		WI	hite Pine	Medium	Variable	Sapling	stand to east. Leave the strip along supply rad north of the woods (stand
	Red Oak	20	Log/Pole/XLog	14	119	R	ed Oak	Low	>20 feet	Pole	168) road for a visual retention area but take the aspen out of this strip to keep it from falling on supply road. Leave slope around lake for riparian
E	Bigtooth Aspen	10	Log	13	84						buffer. If chipping is not possible could require slash to be extremely reduces and still flat plant without spraying or drone spray if possible.
167		Aspen, Oak		awtimb		7.8	71	111-140	N/A		clones. This treatment may be best for next entry as a stand to east along supply road is scheduled for harvest and planting. Evaluate success of this other treatment.  2024: AVG ba= 150. Could cut aspen and most rm and poor formed oak to regenerate stand. Oak is generally low quality. Could harvest with
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size	stand to west. May not be enough volume for even a small sale. Marked
E	Bigtooth Aspen	50	Log/Pole	12	71		ern Pin Oak	Low	< 5 feet	Sapling	for thinning 2014 but held it back due to cc to northwest. Could wait until
	Red Pine	2	Log	12		WI	hite Pine	Low	10 - 20 feet	Sapling	RP to north is harvested.
	Red Maple	10	Pole	9			ed Maple	Low	10 - 20 feet	Sapling	
N	orthern Pin Oak	12	Log/Pole	12		W	hite Oak	Low	< 5 feet	Sapling	
	White Oak	14	Log/Pole	11							
	Red Oak	12	Log/Pole	12	92						
168	4126 - White,	Black, N. P	in Oak P	oletimb	er Well	31.4	92	81-110	N/A		.2024: Medium quality oak. Stocking is not bad at this time. Stand is
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	good for now. A little aspen mixed in in east side. A little wp growing in under.
	Red Maple	5	Pole/Sapling	8		WI	hite Pine	Low	Variable	Sapling	
	White Oak	35	Log/Pole	12	92	Re	ed Maple	Low	Variable	Tall Shrub	
	Red Oak	5	Log/Pole	14	92	Wit	tch Hazel	Low	5 - 10 feet	Tall Shrub	
	White Pine	15	Log/Pole	10							-
Е	Bigtooth Aspen	8	Log	12							
N	orthern Pin Oak	30	Log/Pole	12							
	Red Pine	2	Log	13							
169	4121 - 0	Dak, Aspen	S	awtimb	er Well	9.7	91	81-110	N/A		2024: Aspen is old and declining. Could harvest out of stand if nearby.
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Most of the aspen is in the riparian zone. Leave for now. Could cut stand back to well formed oak and pine and harvest to start a new age class in
	White Oak	10	Log/Pole	11			hite Pine	High	Variable	Sapling	stand. Consider proper treatment of riparian area along lake.
Е	Bigtooth Aspen	40	Log	13	91			'		1	2014:Aspen on steep slope and a Little strip of Jp along lake. Few large
N	orthern Pin Oak	20	Log/Pole	11							WP. camp site walk-in trail leading out to muncie lake rd.
i	5 . 6 .										

Red Oak

30

Log/Pole

11 92



Stand	Level 4 C	over Type	S	Size Density A			ty Acres Stand Age BA Range			ite	General Comments
170	4121 - C	Oak, Aspen	Sa	awtimb	er Well	9.9	103	51-80	N/A		2024: Mix of oak logs and poles. Moderate-poor quality. Aspen is
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	declining. Might be enough aspen to fill ion stand if harvested. Maybe not. Could cut back to better quality oak and pine and attempt to
	Red Oak	40	Log/Pole	11	103	Wh	nite Pine	Low	5 - 10 feet	Sapling	regenerate aspen. Not too interesting. Poor oak and not enough aspen
	Bigtooth Aspen	35	Log	13	91	Re	d Maple	Low	Variable	Sapling	for concern. Stand to east to be harvested soon. Keep for diversity.
	Red Maple	5	Pole	8		Wh	nite Oak	Low	Variable	Sapling	
	White Oak	20	Log/Pole	11				,			•
171	500 -	- Water		Nonst	ocked	38.9	U	Inspecified	No		Dollar Lake
172	4131 - A	spen, Oak	Sa	awtimb	er Well	10.1	99	111-140	N/A		2024: Mixed stand around lake. Riparian zone2014. New stand after harvest. Riparian Zone around lake. Dollar Lake.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Tialvest. Niparian Zone around lake. Dollar Lake.
	Red Oak	10	Log/Pole	12			d Maple	Medium	>20 feet	Pole	
	Bigtooth Aspen	50	Log	13	99		nite Pine	Low	Variable	Sapling	
	White Pine	10	Log	11			nite Oak	Low	>20 feet	Pole	
1	Northern Pin Oak	15	Log	14		R	ed Oak	Low	>20 feet	Sapling	
	White Oak	10	Log	12							
	Red Maple	5	Pole/Sapling	8							
173	4199 - Other Mixe	d Upland D	eciduous S	Sapling	Poor	38.7	15	1-50	N/A		Moved sapling layer into canopy. Well stocked second age in most
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas. Log sized oak, and pine also called in canopy. Let stand develop.
	White Oak	15	Sapling	2	15	Re	d Maple	Medium	< 5 feet	Sapling	dovo.op.
	Red Maple	10	Sapling	2	15						•
	White Oak	10	Log	11	109						
	Black Cherry	3	Sapling	2							
	Bigtooth Aspen	5	Sapling	2	15						
	Red Pine	2	Log	11							
	White Pine	5	Log	10							
	Red Oak	5	Sapling	2	15						
١	Red Oak Northern Pin Oak	13	Sapling Log	12	15						
					15						
	Northern Pin Oak	13	Log	12							



Stand	7, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,				Size Density			A Range	Managed	Site	General Comments
174	3201 - S	weet Fern		Nonst	ocked	1.4	U	Inspecified	No		2024: old well pad. 2014: South 1/2 has fairly thick Sweet fern. North
						Sub-Ca	nopy Species	Density	Avg. Height	Size	1/2 dominated by barren, SJW, and SKW. Revegetate, party spot some garbage. Or could keep and use as a timber landing.
						She	ep Sorrel	Trace		Non-Wood	
						Mixe	d Grasses	Trace		Non-Wood	
						S	Sumac	Low		Tall Shrub	
						Spotte	d Knapweed	Trace		Non-Wood	
						Sw	eet Fern	Medium		Tall Shrub	
						R	ed Oak	Trace		Seeding	
						St. J	ohns Wort	Low		Non-Wood	
						Brad	ken Fern	Trace		Non-Wood	
175	4131 - A	spen, Oak	;	Sapling l	Medium	38.9	15	1-50	N/A		2024: Good aspen regen and growth in most areas. Areas heavier to
С	anopy Species	% Cover	Size Class	DBH	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak, rm and pine. Retention density is variable.
	White Pine	5	Sapling	1	22	Northe	ern Pin Oak	Low	< 5 feet	Sapling	
	White Pine	5	Log	11		Re	d Maple	Medium	< 5 feet	Sapling	
	Red Oak	5	Log	13	97	Wh	nite Pine	Low	< 5 feet	Sapling	
	White Oak	8	Sapling	1	15	Blad	ck Cherry	Low	< 5 feet	Sapling	
	Red Oak	2	Sapling	1	15	Wł	nite Oak	Low	< 5 feet	Sapling	
No	rthern Pin Oak	7	Sapling	2							
	White Oak	5	Log	11	97						
Bi	gtooth Aspen	50	Sapling	2	15						
	Red Maple	10	Sapling	2							
	Red Pine	3	Log/Pole	10							
176	6225	5 - Bog		Nonst	ocked	3.6	U	Inspecified	No		Spongy damp soil. No standing water.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Wil	low spp.	Low			
						Mixe	d Grasses	Low		Non-Wood	
						S	edges	Trace		Non-Wood	
						Re	ed Pine	Medium		Sapling	
						Brac	ken Fern	Trace		Non-Wood	
						Ja	ck Pine	Trace		Sapling	
					Blac	k Spruce	Low		Sapling		
						Lea	atherleaf	High		Tall Shrub	
177	77 310 - Herbaceous Openland Nonstocked					3.6	U	Inspecified			old well pad. Site was trenched with fire plow to reduce access. Could plant trees. A pocket of pine or spruce would create a good cover patch Well plugged 2007. Unknown if reclamation attempted.



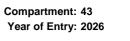
Stand	Level 4 Co	over Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
178	3301 - Low Densi	ity Deciduo	ous Trees	Nons	tocked	0.0	ι	Inspecified	No		2014: Scattered LBS, one log WP, aspen is dying in a depression,
						Sub-Ca	nopy Species	Density	Avg. Height	Size	possibly a frost pocket. Road from 161 to this stand was once bermed (reclose?). Nice mix.
						Oa	ak (spp.)	Low		Sapling	(1001000.). The mix.
						Sw	eet Fern	Trace		Tall Shrub	
						Mixe	d Grasses	Medium		Non-Wood	
						Bra	cken Fern	Medium		Non-Wood	
						Cladonia (	Reindeer mos	s) Trace		Non-Wood	
						Bla	ck Cherry	Low		Log	
						Spotte	d Knapweed	Trace		Non-Wood	
						Asp	pen (spp.)	Low		Pole	
						R	ed Pine	Trace		Log	
						St. J	ohns Wort	Low		Non-Wood	
179	4199 - Other Mixe	d Upland [	Deciduous	Sawtim	ber We	ll 8.6	101	81-110	N/A		2024: Variable stocking. Avg ba= 100. Oak is overstocked in places.
	Canopy Species	% Cover	Size Class	DE	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Low quality red oak/pin oak. Was marked to thin when stand to north was cut and planted but decided to hold this for visual barrier. Still could
	Red Oak	30	Log/Pole	11	101	W	hite Pine	Low	10 - 20 feet	Sapling	use a light thinning and harvest aspen. Would go with the stand to the
E	Bigtooth Aspen	10	Log/Pole	11		Re	ed Maple	Low	5 - 10 feet	Sapling	east.
	Red Maple	20	Log/Pole	10	)						•
	Red Pine	1	Log	12	2						
	White Oak	29	Log/Pole	10	101						
	White Pine	10	Log/Pole	11							
180	4311 - Pine	e, Aspen N	Лix	Sawtim	ıber We	ll 6.8	73	81-110	N/A		2023: Riparian strip left from last harvest. Mixed stand. 2018:
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Pine	25	Log	14	l l	W	hite Pine	Medium	5 - 10 feet	Sapling	
	White Oak	10	Log	14		Re	ed Maple	Medium	10 - 20 feet	Sapling	
E	Bigtooth Aspen	25	Log	14	73	Bla	ck Cherry	Medium	5 - 10 feet	Sapling	
	Red Maple	10	Log/Pole	10	73			'		-	
	Red Oak	5	Log	13	3						
	White Pine	25	Log/Pole	14	l l						
182	4310 - Pir	ne, Oak Mi	ix :	Sawtim	ber Poo	or 20.3	99	1-50	N/A		2024: Poor regeneration success at this time due to heavy browsing.
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Some pockets of successful aspen regen in east part of stand. RM sprouts throughout but browsed heavily. Part of new acquisition 2013.
	White Oak	23	Log	12	2	Re	ed Maple	Medium	5 - 10 feet	Sapling	Over mature aspen mixed with oak-pine. Harvested TS# 037-16.
	White Pine	30	Log/Pole	14	99	W	hite Pine	Low	10 - 20 feet	Sapling	Harvested 8/2018. Cut all aspen, rm except green marked + orange
	Red Pine	20	Log/Pole/XLo	og 12	2	Bigto	ooth Aspen	Medium	5 - 10 feet	Sapling	marked oak, pine. Harvested areas where aspen was heavier, and terrain allowed access. Should regenerate to aspen/rm/wp/oak.
	Red Oak	23	Log	14	99						torrain anowed access. Onodia regenerate to aspeninini wp/oak.
	Red Maple	2	Log	12	)						
	rtoa mapio		Log	12	-						

Stand	d Level 4 C	Cover Type	Size De	Density Acres Stand Age BA Range			Managed S	Site	General Comments		
183	4124 - Red	with White (	Oak	Sawtimb	er Well	5.4	99	81-110	N/A		2023: Oak log stand along steeper slope with wp under. South east part
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	is workable but fine to leave for now. 2019: This stand was created from steeper parts of stand 31 that were left unharvested in last treatment.
	Red Oak	40	Log/Pole	14	99	WI	hite Pine	Medium	5 - 10 feet	Sapling	stooper parts of starts of that were left affinitivested in last treatment.
	Bigtooth Aspen	5	Log	14		Re	ed Maple	Low	10 - 20 feet	Sapling	
	White Pine	5	Log/Pole	10							
	Red Maple	10	Pole	6							
	White Oak	40	Log/Pole	12							
184	310 - Herba	ceous Open	land	Nonsto	ocked	2.4		Unspecified	No		well pad
186	4129 -	Mixed Oak		Sawtimb		6.5	99	81-110	N/A		2023: Strip along slope between prior harvest units. Mixed oak, pine, aspen, rm. 2018: Harvested part of stand that could be accessed. This
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	stand formed from steeper area that was not harvested.
	Red Maple	20	Pole/Log	9		Re	ed Maple	Low	5 - 10 feet	Sapling	·
	Red Oak	34	Log/Pole	14	99	WI	hite Pine	Low	5 - 10 feet	Sapling	
	White Pine	10	Log	12							
	Bigtooth Aspen	2	Log	13							
	Red Pine	4	Pole/Log	9							
	White Oak	30	Log/Pole	14							
187	6239 - Mixed I	Emergent W	etland	Nonsto	ocked	2.3		Unspecified	No		Small ice block depression. Water Light brush
188	4122 -	Oak, Pine		Sawtimb	er Well	6.3	113	81-110	N/A		20232018. Mixed sizes of oak and WP. Pockets of WP poles and
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	es Density	Avg. Height	Size	saplings.
	Red Maple	9	Log/Pole	10		WI	hite Pine	Medium	Variable	Sapling	
	Red Pine	1	Log	13		W	hite Oak	Medium	< 5 feet	Sapling	
	White Oak	30	Log/Pole	14							
	Red Oak	30	Log/Pole	14	113						
	White Pine	30	Log/Pole	12	86						
190	330 - Low	-Density Tre	es	Nonsto	ocked	1.5		Unspecified	No		
191	330 - Low	-Density Tre	es	Nonsto	ocked	1.5		Unspecified	No		
192	330 - Low-	-Density Tre	es	Nonsto	ocked	6.6		Unspecified	No		New acquisition 2019.



Stand			Size De	nsity	Acres Stand Age BA Range		Managed S	Site	General Comments		
193	4119 - Mixed No	orthern Hard	dwoods Po	oletimber	Medium	17.2	41	51-80	N/A		2023: Open areas. Lower density stump sprouts. Would be good to cut
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and plant red pine at some point. Some older wp and a pocket of older aspen in middle. Pocket of planted? spruce in NW. Some bigger WP
	White Pine	5	Log	14	84	Haze	Inut (Spp.)	Low	5 - 10 feet	Tall Shrub	
	Black Cherry	5	Pole	6		Blad	ck Cherry	Low	5 - 10 feet	Sapling	
	Red Maple	60	Pole	6	41	Re	d Maple	Low	5 - 10 feet	Sapling	
	White Oak	10	Pole	6	41	WI	nite Pine	Low	5 - 10 feet	Sapling	
	Red Oak	10	Pole	6	41						
E	Bigtooth Aspen	10	Pole	8	41						
194	4199 - Other Mixe	d Upland D	eciduous Po	oletimber	Medium	9.6	41	1-50	N/A		2023: RM and Oak from sprouts. Quaking Aspen pocket on north end.
(	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
(	Quaking Aspen	5	Pole	6		Blad	ck Cherry	Low	5 - 10 feet	Sapling	
	Red Oak	25	Pole/Sapling	6	41	WI	nite Pine	Low	5 - 10 feet	Sapling	
	White Oak	22	Pole	6	41						
	Black Cherry	5	Pole	6	41						
	Red Maple	25	Pole	6	41						
E	Bigtooth Aspen	11	Pole	8	41						
	Red Pine	2	Log	12	84						
	White Pine	5	Log	12	84						
195	623 - Emer	rgent Wetla	nd	Nonsto	cked	0.9	ι	Jnspecified	No		Small ice block depression. Water Light brush
196	330 - Low-l	Density Tre	es	Nonsto	cked	1.3	l	Jnspecified	No		
198	4199 - Other Mixe	d Upland D	eciduous :	Sawtimb	er Well	12.2	103	111-140	N/A		2023; Steep hill and areas around small wet depressions. More pine and aspen around depressions. Hardwood mix on hillsides. West pocket had
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	the aspen cut out when adjacent stands were cut so younger age. Factor
E	Bigtooth Aspen	10	Log	14		WI	nite Pine	Low	5 - 10 feet	Sapling	Limited for slopes and water.
	White Pine	10	Log	15		Re	d Maple	Low	10 - 20 feet	Sapling	
	Red Oak	35	Log/XLog	15	103						
	White Oak	15	Log	14	103						
	Red Maple	20	Log	12							
	Sugar Maple	1	Log	13							
	Basswood	1	Log	11							
	Red Pine	8	Log	14							

Report 7 - Stands





		Size Density		Acres Stand Age BA Range		Managed Site		General Comments		
		F	Poletimber Well		67.6 41	51-80	N/A		2023: Let stand grow in. Some areas of heavier to oak and red maple	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	and others to aspen.  Small pocket of planted spruce. Some older wp/rp scattered around.  Some decent red oak could be retained when this stand is harvested to regenerate.	
Quaking Aspen	1	Pole	6	41	White Pine	Low	5 - 10 feet	Sapling		
White Oak	15	Pole	6	41	Black Cherry	Low	5 - 10 feet	Sapling		
Black Cherry	1	Pole	6		Hazelnut (Spp.)	Low	5 - 10 feet	Tall Shrub		
Red Maple	20	Pole	6	41		,			-	
Bigtooth Aspen	45	Pole	7	41						
White Pine	1	Log	14							
Red Oak	15	Pole	8	41						
orthern Pin Oak	2	Pole	6							
					Sub-Canopy Species	Density	Avg. Height	Size	2023: Red Maple and oak from stump sprouts. Some residual wp left in last harvest	
	60	Pole	5	41	White Pine	Low	5 - 10 feet			
White Pine	5	Log/Pole	12		Red Maple	Low	10 - 20 feet	Sapling		
White Oak	15	Pole	6	41	White Oak	Low	10 - 20 feet	Sapling		
Red Oak	20	Pole	8	41						
<b>201</b> 4130 - Aspen			Poletimber Well		27.0 41 81-110		N/A		2023: Variable stocking. RM and oak from sprouts along with aspen.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Most RO is lower quality. Some well-formed white oak. Good aspen stocking with good growth and form. May consider harvest next entry.	
Bigtooth Aspen	72	Pole	8	41	White Pine	Low	5 - 10 feet	Sapling	Stooking with good growth and form. May consider harvoot next chary.	
Red Maple	15	Pole	7	41		'		1		
White Pine	5	Log	12	84						
		0		0-1						
Quaking Aspen	3	Pole	7	0-1						
	Canopy Species Quaking Aspen White Oak Black Cherry Red Maple Bigtooth Aspen White Pine Red Oak orthern Pin Oak  Canopy Species Red Maple White Pine White Oak Red Oak  Canopy Species Red Maple Canopy Species Red Oak  Canopy Species Red Oak  Canopy Species Red Oak	Quaking Aspen       1         White Oak       15         Black Cherry       1         Red Maple       20         Bigtooth Aspen       45         White Pine       1         Red Oak       15         orthern Pin Oak       2         4119 - Mixed Northern Hard       60         Canopy Species       % Cover         Red Maple       60         White Pine       5         White Oak       15         Red Oak       20         Canopy Species       % Cover         Bigtooth Aspen       72         Red Maple       15	Canopy Species         % Cover         Size Class           Quaking Aspen         1         Pole           White Oak         15         Pole           Black Cherry         1         Pole           Red Maple         20         Pole           Bigtooth Aspen         45         Pole           White Pine         1         Log           Red Oak         15         Pole           orthern Pin Oak         2         Pole           4119 - Mixed Northern Hardwoods         I           Canopy Species         % Cover         Size Class           Red Maple         60         Pole           White Pine         5         Log/Pole           White Oak         15         Pole           Red Oak         20         Pole           4130 - Aspen         I         Cover           Canopy Species         % Cover         Size Class           Bigtooth Aspen         72         Pole           Red Maple         15         Pole	Canopy Species         % Cover         Size Class         DBH           Quaking Aspen         1         Pole         6           White Oak         15         Pole         6           Black Cherry         1         Pole         6           Red Maple         20         Pole         6           Bigtooth Aspen         45         Pole         7           White Pine         1         Log         14           Red Oak         15         Pole         8           orthern Pin Oak         2         Pole         6           4119 - Mixed Northern Hardwoods         Poletimb           Canopy Species         % Cover         Size Class         DBH           Red Maple         60         Pole         5           White Pine         5         Log/Pole         12           White Oak         15         Pole         6           Red Oak         20         Pole         8           4130 - Aspen         Poletimb           Canopy Species         % Cover         Size Class         DBH           Bigtooth Aspen         72         Pole         8           Red Maple         15         Pole <t< td=""><td>  A131 - Aspen, Oak   Poletimber Well    </td><td>  A131 - Aspen, Oak   Poletimber Well   67.6   41    </td><td>  A131 - Aspen, Oak</td><td>  A131 - Aspen, Oak   Poletimber Well   67.6   41   51-80   N/A    </td><td>  A131 - Aspen, Oak   Poletimber Well   67.6   41   51-80   N/A    </td></t<>	A131 - Aspen, Oak   Poletimber Well	A131 - Aspen, Oak   Poletimber Well   67.6   41	A131 - Aspen, Oak	A131 - Aspen, Oak   Poletimber Well   67.6   41   51-80   N/A	A131 - Aspen, Oak   Poletimber Well   67.6   41   51-80   N/A	