

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.

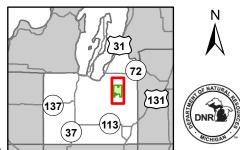
Additional Compartment Information:

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

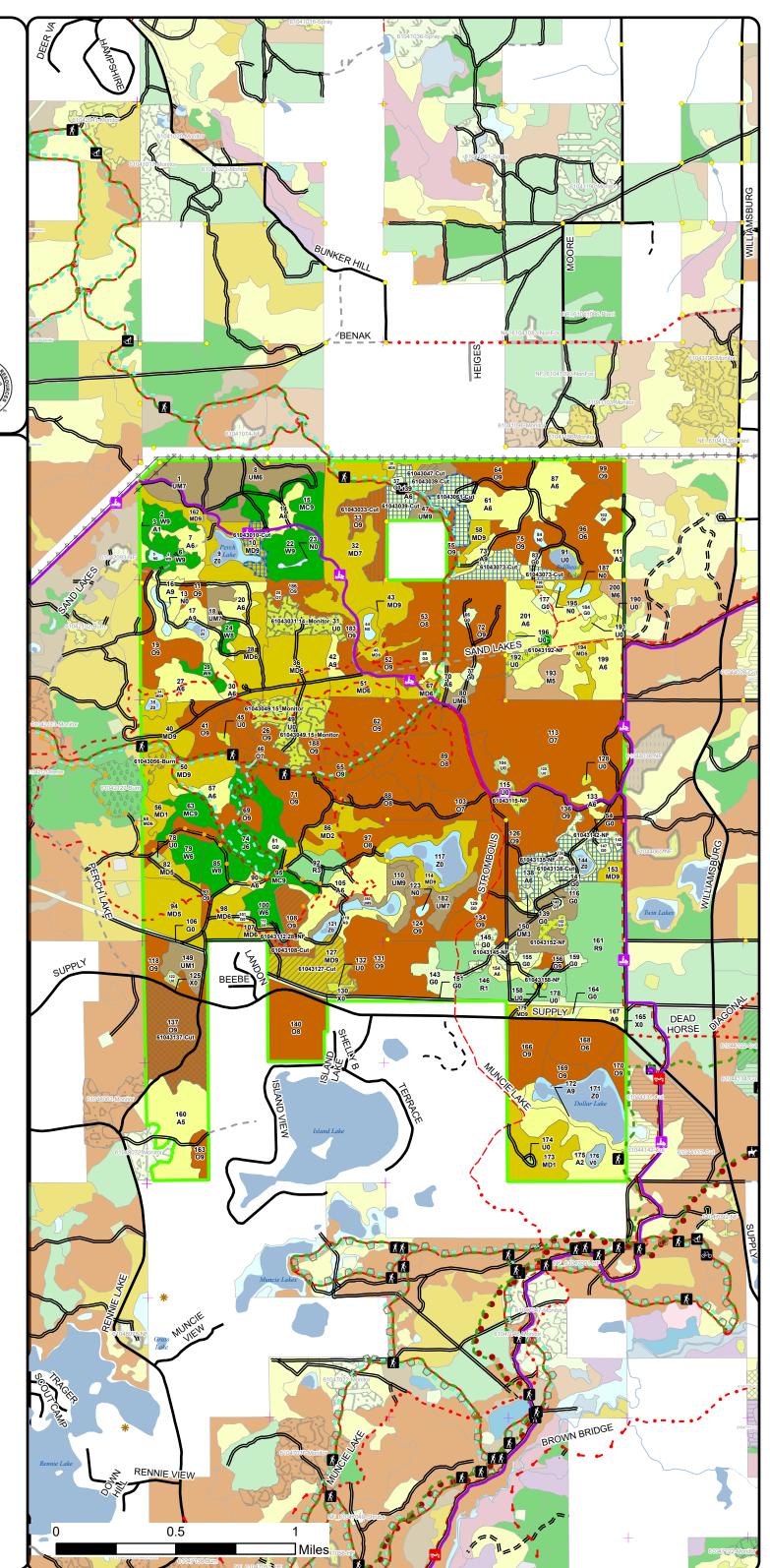
The following information is displayed, where pertinent, on the attached compartment maps: Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries Details on the road access system

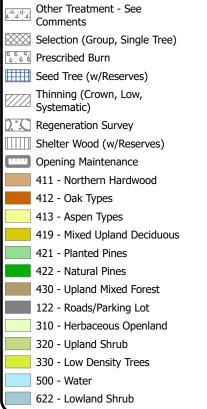
Cover Type & **Treatments Map**

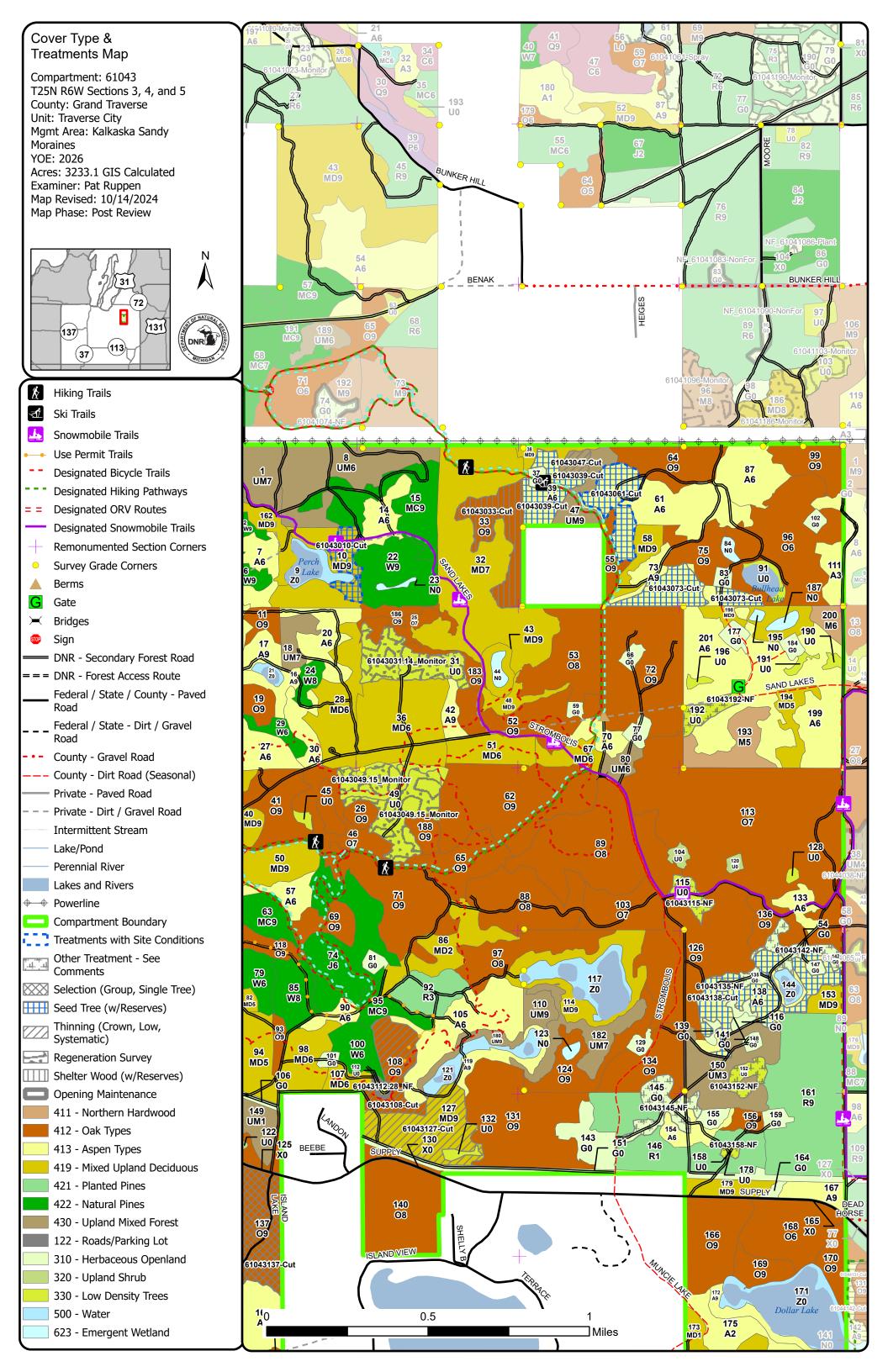
Compartment: 61043 T25N R6W Sections 3, 4, and 5 County: Grand Traverse Unit: Traverse City Mgmt Area: Kalkaska Sandy Moraines YOE: 2026 Acres: 3233.1 GIS Calculated Examiner: Pat Ruppen Map Revised: 10/14/2024 Map Phase: Post Review



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- ୍ୟୁତ Bike Trails
- Ŕ Horse Trails
- Ī. Ski Trails
- <u>مہ</u> **ORV** Routes
- <u>4</u> Snowmobile Trails
- Use Permit Trails
- Designated Bicycle Trails
- Designated Ski Trails
- Designated Equestrian Trails •
- Designated Hiking Pathways
- 🗅 🗅 Designated Snowshoe Trails
- Designated Motorcycle Trails
- Designated ORV Routes = =
- Designated Snowmobile Trails
- **Remonumented Section Corners**
- Survey Grade Corners 0
- Berms
- G Gate
- Bridges)
- Parking Lot Ρ
- Sign STOP
- * Trailhead
- DNR Secondary Forest Road
- = = : DNR Forest Access Route
- Federal / State / County Paved Road
- Federal / State Dirt / Gravel Road
- - County Gravel Road
- County Dirt Road (Seasonal)
- Private Paved Road
- · Private Dirt / Gravel Road
- Intermittent Pond Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions

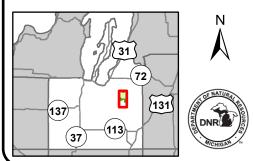




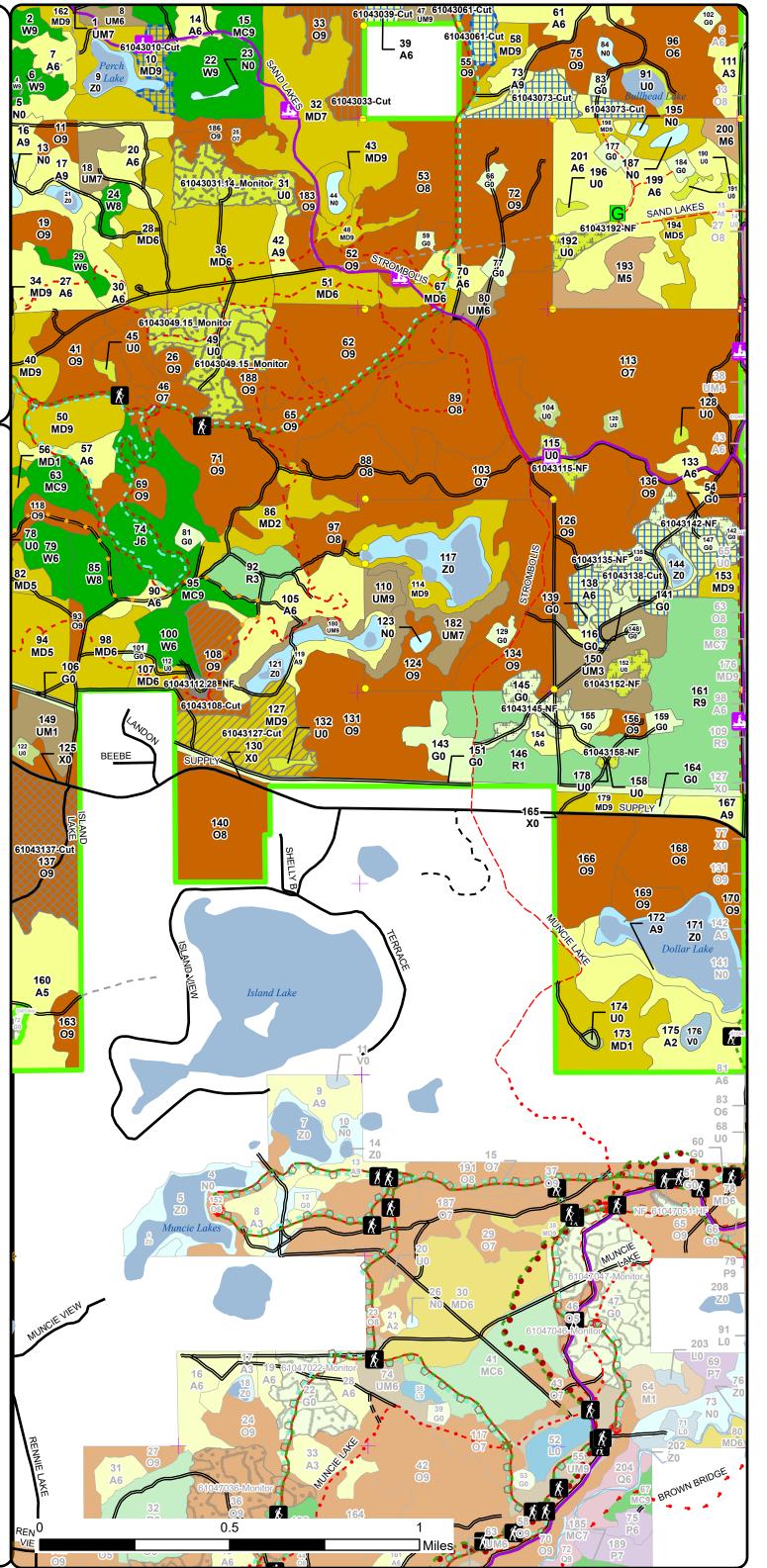


Cover Type & Treatments Map

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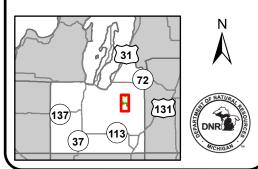


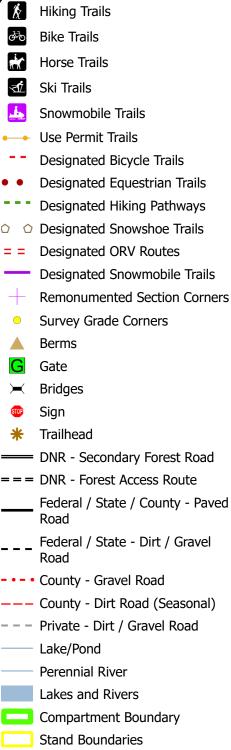


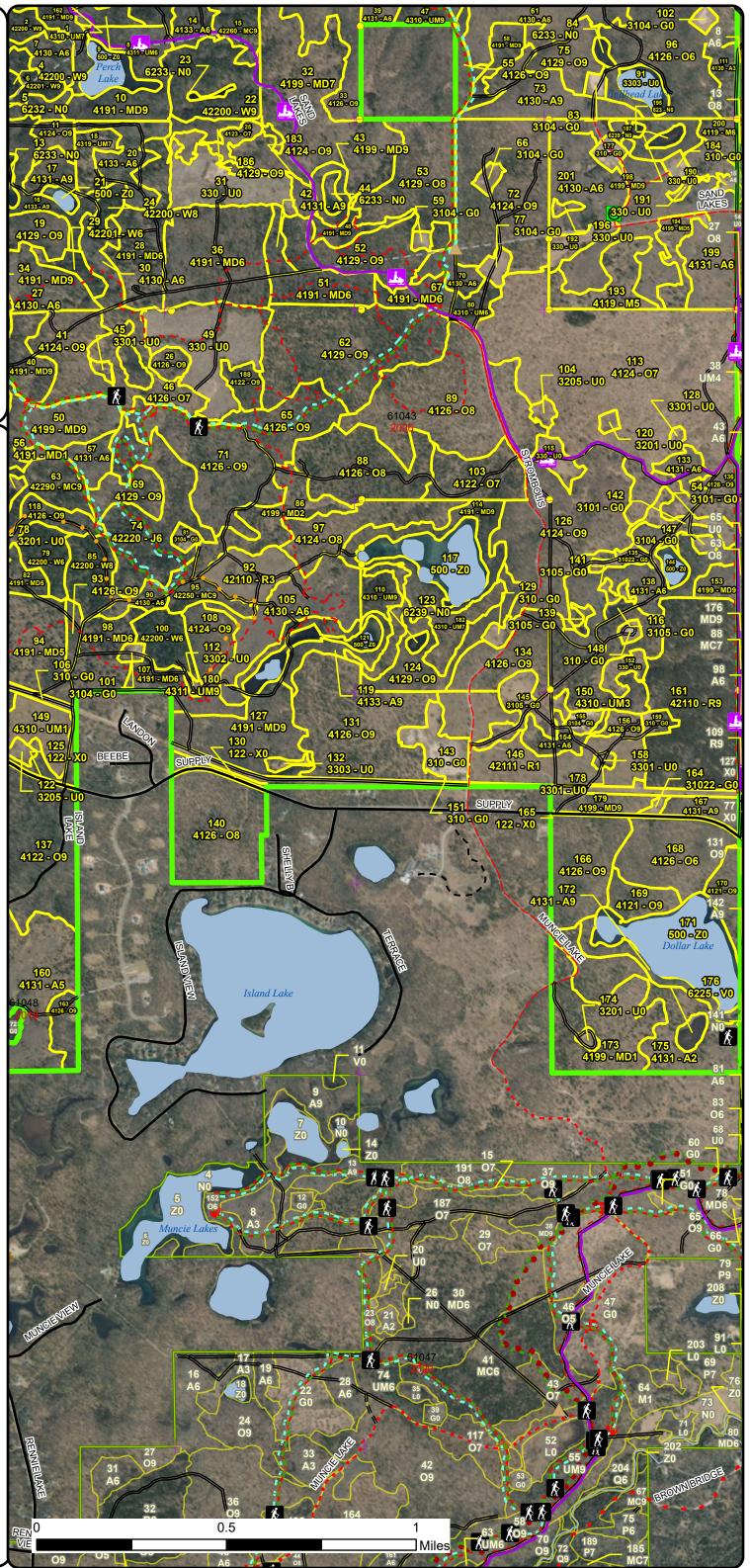


Stand Boundary Map

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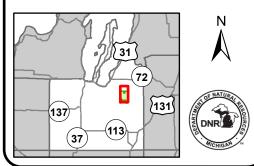




Stand Boundaries
411 - Northern Hardwood
412 - Oak Types
413 - Aspen Types
419 - Mixed Upland Deciduous
421 - Planted Pines
422 - Natural Pines
430 - Upland Mixed Forest
122 - Roads/Parking Lot
310 - Herbaceous Openland
320 - Upland Shrub
330 - Low Density Trees
500 - Water
622 - Lowland Shrub
623 - Emergent Wetland

Stand Boundary Map

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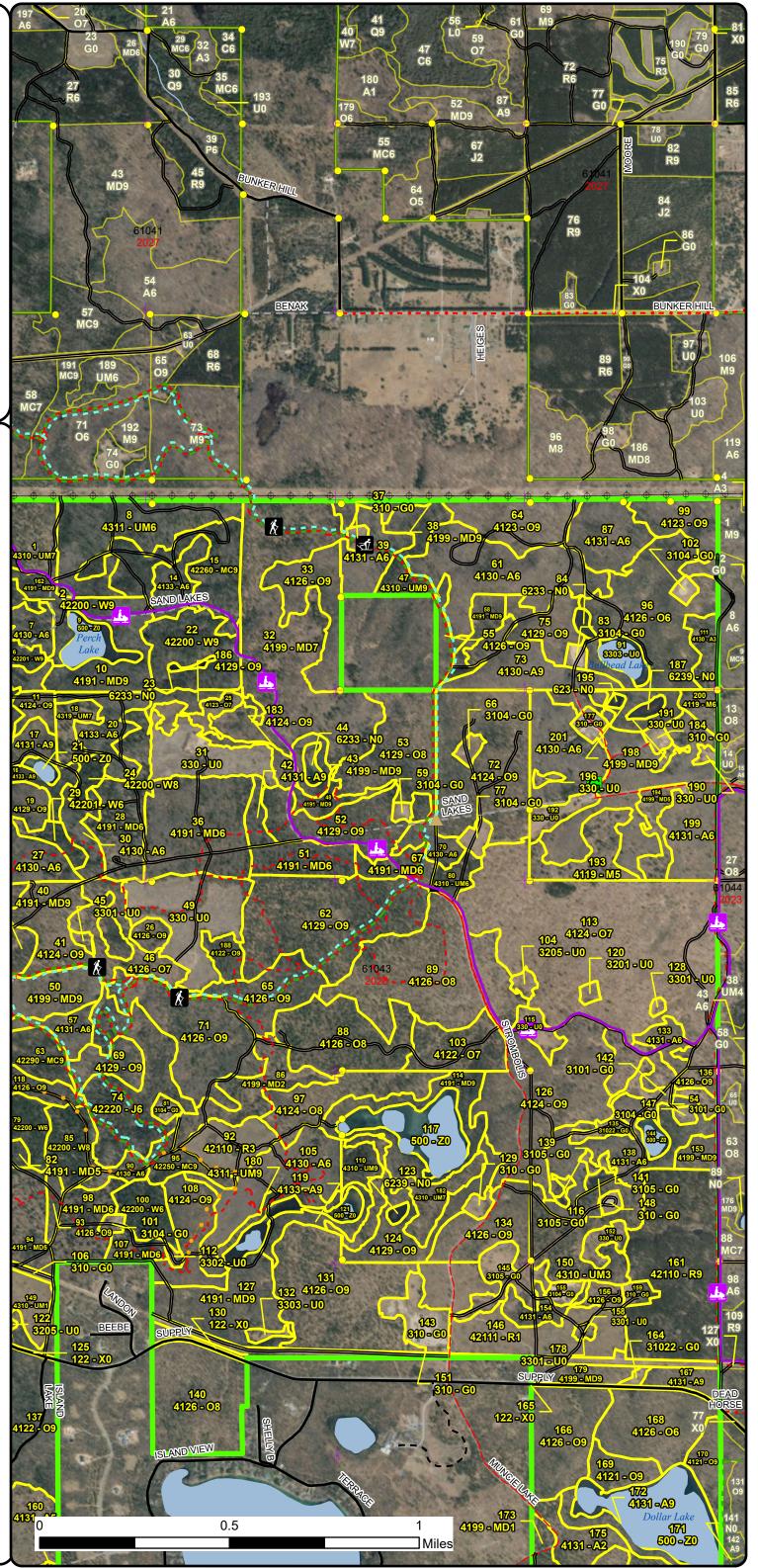


Hiking Trails

Ski Trails

- 🪣 Snowmobile Trails
- → Use Permit Trails
- -- Designated Bicycle Trails
- Designated Hiking Pathways
- = = Designated ORV Routes
- Designated Snowmobile Trails
- Remonumented Section Corners
- Survey Grade Corners
- A Berms
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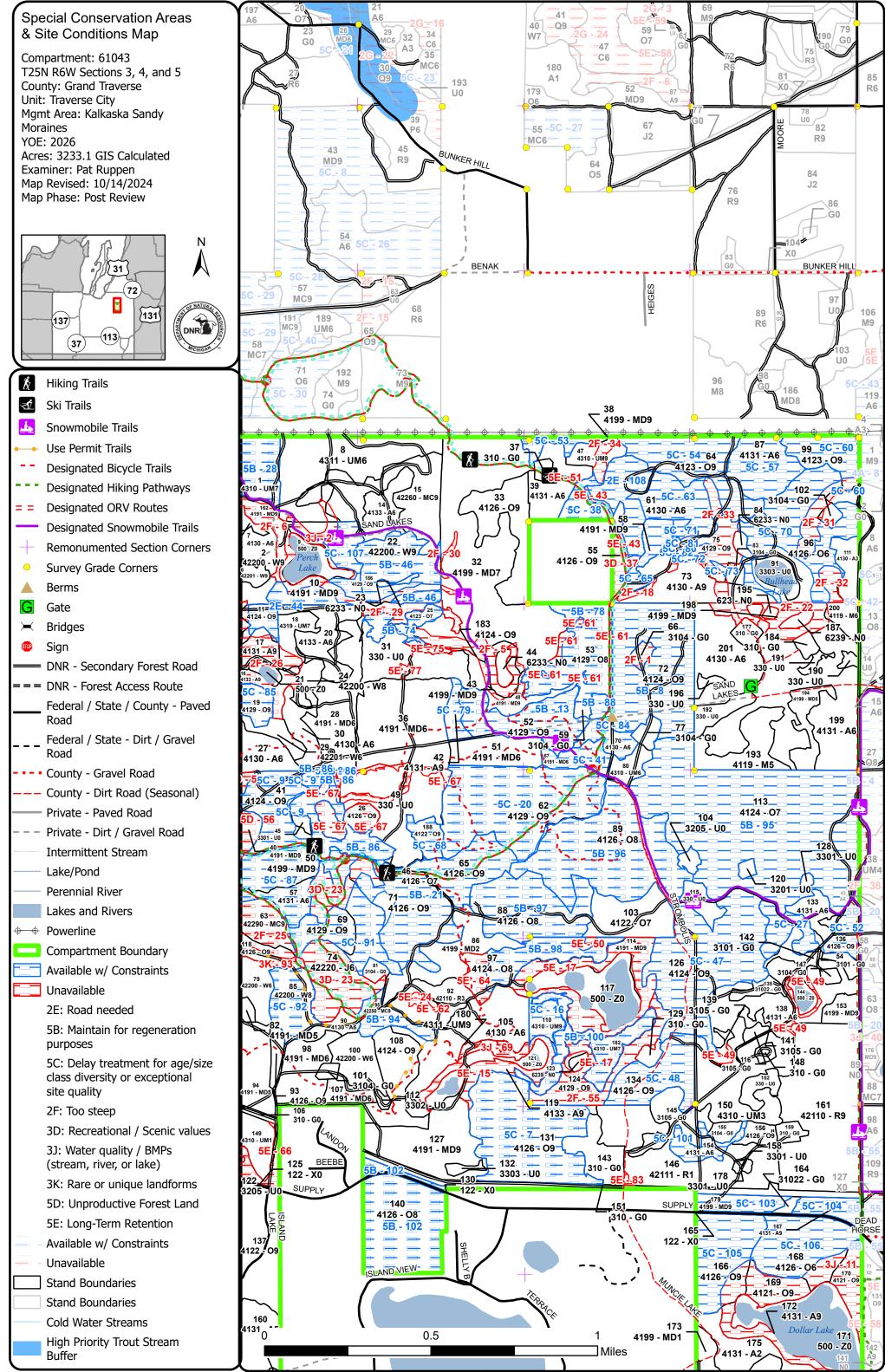
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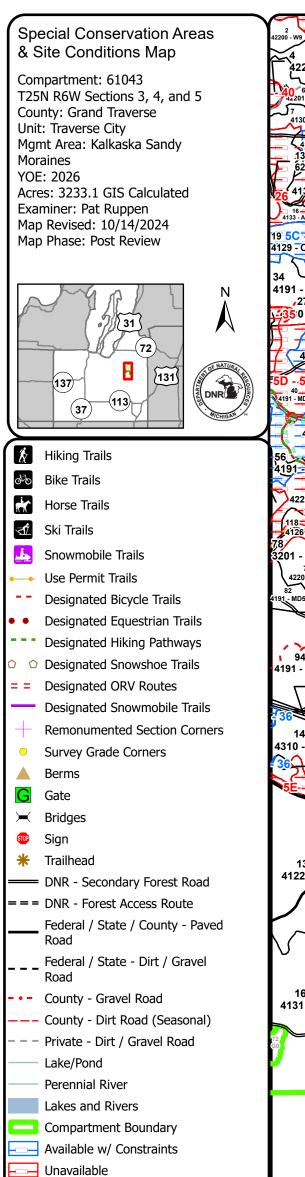
320 - Upland Shrub

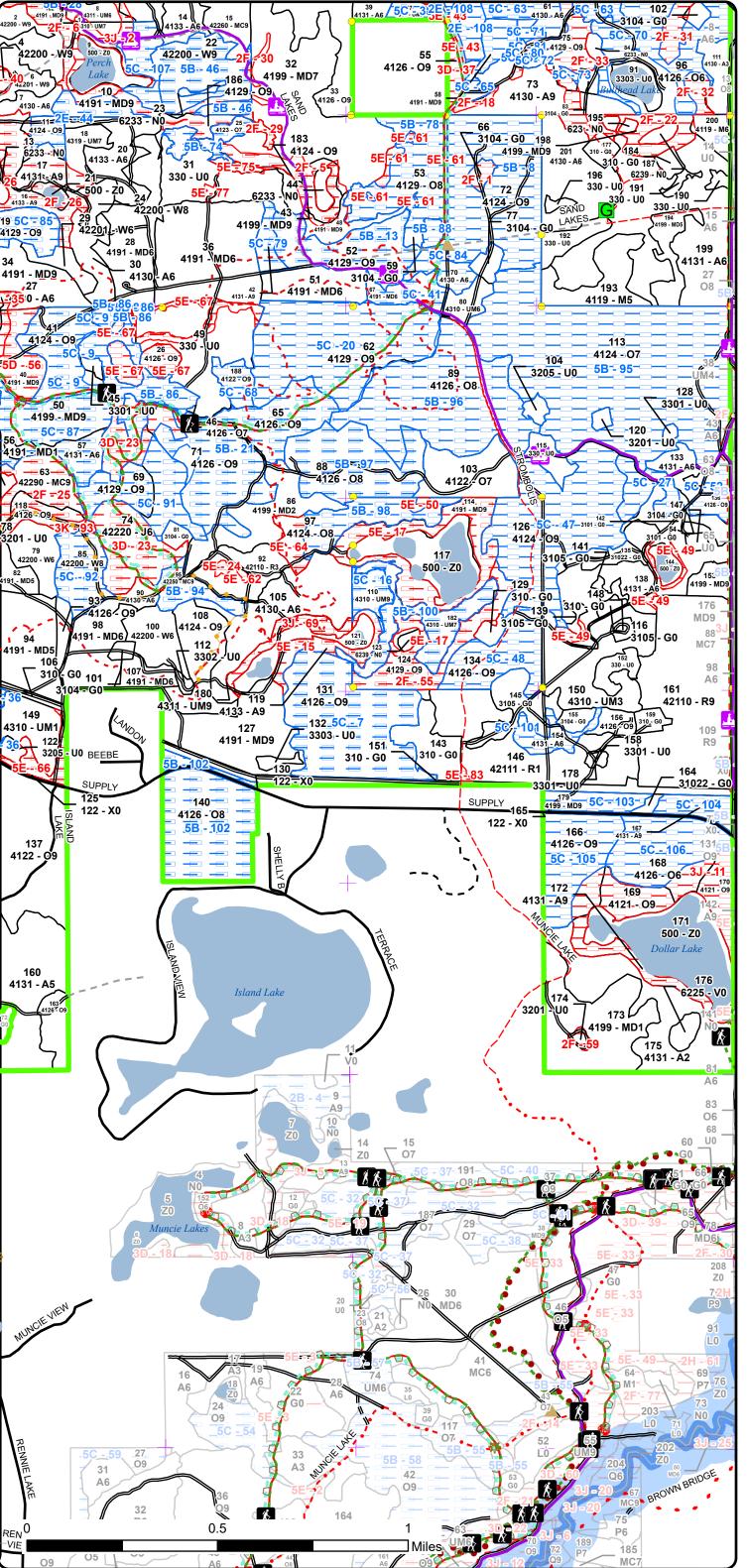
330 - Low Density Trees

500 - Water

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2E: Road needed

5B: Maintain for regeneration purposes

5C: Delay treatment for age/size class diversity or exceptional site quality

2F: Too steep

3D: Recreational / Scenic values

3J: Water quality / BMPs (stream, river, or lake)3K: Rare or unique landforms5D: Unproductive Forest Land

5E: Long-Term Retention

Available w/ Constraints

Unavailable

Stand Boundaries Stand Boundaries

Natural Rivers Vegetative Buffer

Natural Rivers Zoning District

Cold Water Streams

Traverse City Mgt. Unit

Pat Ruppen: Examiner

Compartment 43 Year of Entry 2026



Age Class

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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



		-	-
Year of	Entry:	2026	

Traverse CityMgt. Unit

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

Cover Type by Harvest Method

				in the second	Not Contraction of the second	Contraction of the second	Non Contraction of the	in Oros	Randon Co	June B	Stor Logo	S. S
Aspen		0	0	0	83	0	0	0	0	0	83	ĺ
Mixed Upland Deciduous		0	0	0	10	0	33	0	0	0	43	
Oak		0	65	0	0	24	21	0	0	0	109	
Upland Mixed Forest		0	0	0	0	0	4	0	0	0	4	
	Total	0	65	0	93	24	58	0	0	0	239	

Proposed and Next Step Treatments by Method

			Janesi,	C. C.	C. C.	O O	in C	An Calific	sion	Stor Stor	Not Contraction of the second	Se Contraction of the second
Current		239	0	0	0	6	0	53	0	46	344	
Next Step		0	0	0	0	0	0	181	0	6	187	
	Total	239	0	0	0	6	0	235	0	52	531	

a Treatment Acres Stand CoverType Size Stand Density Age Treatment Range Treatment Method Cover Type Objective Age Structure roved 10 61043010-Cut 9.9 4191-Mixed Sawtimber 85 111- 140 Harvest Seed Tree with Retention 4319-Mixed Upland Deckduous Weil 140 Harvest Seed Tree with Retention 4319-Mixed Two-Aged Prescription Mark to retain no more than 20 BA focusing on marking oak, white pine, and red pine. Sizes: Nonitoring, Natural Regen (Re-Inventory) Treatment is Asceptable Aspen, oak, maple, pine. Seed Tree with Mark to retain no more than 20 BA focusing on marking oak, white pine, and red pine. Sizes: Sizes: Sizes: Size Condition: Aspen, oak, maple, pine. Sizes: Sizes: Sizes: Sizes: Sizes: Sizes: Sizes: Sizes: Sizes: Size: Size: Size: Aspen, oak, maple, pine. Size:	S t	Traver	se City	v Mgt. Unit	I	Repo	rt 3 1	Freatments		Compartmen Year of Entry		DNR
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Upland Deciduous Well 140 Retention Upland Forest Prescription Mark to retain no more than 20 BA focusing on marking oak, white pine, and red pine. Sees:	proved Trea	atments:										
Specs: Monitoring, Natural Regen (Re-Inventory) Treatments: Aspen, oak, maple, pine. Regan: Include snowmobile protection spec and appropriate BMP buffers. Comment: include snowmobile protection spec and appropriate BMP buffers. Site Condition: Age-Class or Site Quality Proposed Start Date: 10/1 / 2025 31 61043031,14 22.0 330 - Low-Density Nonstocked 0 Monitoring Artificial Regen(3yr) 42111 - Planted Even-Aged Red Pine, Mixed Deciduous Prescription Monitor seedling survival and FTG status. Specs: Vent Specs: Vent Next Step Vent Treatments: Vent Vent Vent Vent Ste Condition: Perscription Monitor Treat = 100% Vent Vent Vent Vent Ste Condition: Perscription Vent Nenicor Vent Vent Vent Vent Vent 31 61043033-Cut 24.24126 - White, Black, Sawtimber 107 81-110 Harvest Shelterwood 4191 - Mixed VentAged Upland Deciduous with Confier Prescription Mark to leave no more than 50 BA of oak and pine. Specss: Next S	10 610430)10-Cut		Jpland Deciduous		r 89		Harvest			Two-Aged	1
Treatments: Aspen, oak, maple, pine. Regen: Include snowmobile protection spec and appropriate BMP buffers. Comment: Site Condition: Age-Class or Site Quality Proposed Start Date: 10/1 /2025 31 f1043031.14		Mark to reta	ain no i	more than 20 BA fo	ocusing on I	marking	g oak, whi	te pine, and red	l pine.			
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Comment: Age-Class or Site Quality Proposed Start Date: 10/1 /2025 31 61043031.14 Monitor 22.0 330 - Low-Density Nonstocked 0 Unspec Trees Monitoring Artificial Regen(3yr) 42111 - Planted Red Pine, Mixed Deciduous Prescription Monitor seedling survival and FTG status. Specs: Acceptable Planted red pine Regen: Regen: Prescription Prescription Percent to Treat = 100% Comment: Site Condition: Other Comment: Percent to Treat = 100% Comment: Site Condition: Prescription No. Pin Oak Vell 107 81-110 Harvest Shelterwood Deciduous with Conifer Two-Aged Upland Deciduous with Conifer 3 61043033-Cut 24.24126 - White, Black, Sawtimber 107 81-110 Harvest Shelterwood Deciduous with Conifer Two-Aged Upland Deciduous with Conifer Prescription Next Step Specs: Monitoring, Natural Regen (Re-Inventory) Shelterwood N. Pin Oak 4191 - Mixed Upland Deciduous with Conifer Two-Aged Upland Deciduous with Conifer Next Step Specs: Monitoring, Natural Regen (Re-Inventory) Shelterwood 4191 - Mixed Upland Deciduous with Conifer Shelterwood Next Step Specs: Monitoring, Natural Regen (Re-Inventory) Teatments: Next Step No winter harvest	Regen:		•									
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Specs: Next Step. Treatments: Acceptable Regen: planted red pine Other Comment: Percent to Treat = 100% Site Condition: Proposed Start Date: Proposed Start Date: 10/1 /2025 33 6104303-Cut 24.2 4126 - White, Black, Sawtimber 107 81-110 Harvest Shelterwood 4191 - Mixed Upland Deciduous with Conifer Prescription Specs: Mark to leave no more than 50 BA of oak and pine. Shelterwood 4191 - Mixed Upland Deciduous with Conifer Two-Aged Upland Deciduous with Conifer Prescription Specs: Mark to leave no more than 50 BA of oak and pine. Shelterwood 4191 - Mixed Upland Deciduous with Conifer Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: 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 underst		_	22.0 3		Nonstocke	d 0		Monitoring		Red Pine, Mixed	Even-Agec	1 1
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Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Aspen, oak, pine, maple hemlock, birch. Acceptable No winter harvesting. Protect planted trees in stand 37 if used for a landing. Protect advanced white pine regeneration in the underst				126 - White, Black,		r 107	81-110	Harvest	Shelterwood	Upland Deciduous with	Two-Aged	1
Treatments: Acceptable Aspen, oak, pine, maple hemlock, birch. Regen: Other No winter harvesting. Protect planted trees in stand 37 if used for a landing. Protect advanced white pine regeneration in the understress of the stand st		Mark to lea	ive no r	more than 50 BA of	f oak and pi	ne.						
Regen: Other No winter harvesting. Protect planted trees in stand 37 if used for a landing. Protect advanced white pine regeneration in the understander of the unders		Monitoring,	Natura	al Regen (Re-Inven	ntory)							
		Aspen, oak	k, pine,	maple hemlock, bi	rch.							
							' if used fo	or a landing. Pro	otect advanced whi	ite pine regeneratic	on in the und	erstory
Site Condition: Proposed Start Date: 10/1 /2025												

S t	Traverse City Mgt. Unit				Repoi	rt3 1	Freatments		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
39	61043039-Cut	15.2 4	4131 - Aspen, Oak	Poletimbe Well	er 54	111- 140	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Two-Aged	No
Pres Spec		t all trees o	down to 1 inch DBH	H except ma	ark to le	ave no mo	ore than 20 BA	of oak and pine.			
	<u>t Step</u> Monitor atments:	ring, Natura	al Regen (Re-Inver	ntory)							
Acce Reg		oak, pine,	maple, hemlock, b	irch.							
<u>Othe</u> <u>Com</u> <u>Site</u>	er Consul ament: landing Condition:			ention arour	id the V	ASA trail.	Add trail prote	ction specs. Protect	t planted trees in s	tand 37 if use	ed for a
	61043047-Cut		25 310 - Pine, Oak Mi	v Sawtimbe	r 114	111-	Harvest	Crown Thinning	4319 - Mixed	Two-Aged	No
				Well		140	That vest	Crown minning	Upland Forest	1 wo Aged	NO
Pres Spec		tand down	to 50-80 BA. Remo	ove all aspe	en.						
	<u>t Step</u> atments:										
<u>Acce</u> Reg		ne, aspen,	maple, hemlock, b	irch.							
<u>Othe</u> <u>Corr</u>	<u>er</u> hment:										
<u>Site</u>	Condition:										
Prop	bosed Start Date	<u>:</u> 10/1 /20	25								
49	61043049.15_ Monitor	31.3 3	330 - Low-Density Trees	Nonstocke	ed 0	Unspec ified	Monitoring	Artificial Regen(3yr)	42111 - Planted Red Pine, Mixed Deciduous	Even-Aged	No
Pres Spec		r seedling s	survival and FTG s	tatus							
	<u>t Step</u> atments:										
Acce Reg	<u>eptable</u> planted <u>en:</u>	l red pine									
<u>Othe</u> <u>Com</u>	er Percen hment:	t to Treat =	- 100%								
<u>Site</u>	Condition:										
Prop	bosed Start Date:	<u>:</u> 10/1 /20	25								

S t	т	raverse City	v Mgt. Unit		Repoi	rt 3	Treatments		Compartmer Year of Entr		TOF NATURAL DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
56	61043056- Burn	5.8 L	4191 - Mixed Jpland Deciduous with Conifer	Sapling Poor	15	1-50	Burn	Opening	3205 - Mixed Upland Shrub		No
Presc Specs	<u>s:</u> frequ forbs	ency of the b Remove e	urns will be based	on currents by herbicidir	s needs ng or otl	of restor	ation such as re ods. Maintain a	naintain a grassland ducing woody encro is needed with mow roachment.	pachment or pron	noting grasse	s versus
Next S Treatr	<u>Step</u> NonF ments:	orestMgt, He	erbaceous/Crop/Gr	ass Plantin	g						
<u>Accep</u> Regei	<u>otable</u> n:										
<u>Other</u> Comn	Burn	in conjunctio	n with stand 61042	2127.							
<u>Site C</u>	Condition:										
Propo	osed Start Da	<u>te:</u> 10/1 /202	25								
61	61043061-Cı	ı t 18.2	4130 - Aspen	Poletimbe Well	r 54	111- 140	Harvest	Seed Tree with Retention	4131 - Aspen, Oak	Two-Aged	No
Presc Specs			and some pine no ondition layer.	ot to exceed	20 BA.	Cut rem	aining stems do	wn to 1 inch. One c	hain wide retention	on pocket alo	ng VASA
<u>Next S</u> Treatr	<u>Step</u> Monit ments:	oring, Natura	al Regen (Re-Inver	ntory)							
<u>Accer</u> Regei		n, oak, pine,	maple, hemlock, b	birch.							
<u>Other</u> Comn		l opening in t	he southern tip jus	t inside of s	stand 58	3 can be	used for access.	Include some area	is along this road	for decking.	
<u>Site C</u>	Condition: R	oad Needed									
Propo	osed Start Da	<u>te:</u> 10/1 /202	25								
73	61043073-Cı	ı t 17.9	4130 - Aspen	Sawtimbe Well	r 54	141- 170	Harvest	Seed Tree with Retention	413 - Aspen	Two-Aged	No
Presc Specs		n oak and pir	ne not to exceed 2	0 BA. Cut r	emaind	er of the	trees down to 2	inch. Treatment bou	undary may exter	id into stand 2	201.
<u>Next S</u> Treatr	<u>Step</u> Monit ments:	oring, Natura	al Regen (Re-Inver	ntory)							
<u>Accep</u> Regei	<u>otable</u> aspei <u>n:</u>	n, pine, mapl	e, oak								
<u>Other</u> Comn		ing may occu	ur on stand 83								
<u>Site C</u>	Condition:										
Propo	osed Start Da	<u>te:</u> 10/1 /202	25								

Traverse City Mgt. Unit **Report 3 -- Treatments** Compartment: 43 S Year of Entry: 2026 t а Treatment Size Stand BA Treatment Treatment **Cover Type** Acres Stand Age Habitat n Name CoverType Density Age Range Type Method Objective Structure Cut d 108 61043108-Cut 20.7 4124 - Red with Sawtimber 117 111-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: Protect bike trail that runs through this stand. Other Comment: Site Condition: Proposed Start Date: 10/1 /2025 112 61043112.28_ 1.2 3302 - Low Density Nonstocked Unspec NonForestMgt **Brush Cutting** 320 - Upland No Conifer Trees Shrub NF ified 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. Specs: Next Step Treatments: Acceptable Regen: Other Comment: Site Condition: Proposed Start Date: 10/1 /2015 115 61043115-NF 5.9 330 - Low-Density Nonstocked Unspec NonForestMgt Fruit Tree/Shrub 3204 - Mast No Planting ified Trees 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 Specs: 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 **Crown Thinning** 127 61043127-Cut 4191 - Mixed Sawtimber 109 111-Harvest 4319 - Mixed Two-Aged No 33.4 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: Access road off of Supply road and across powerline easement. Treat with stand 108 to north. Other Comment: Site Condition: Proposed Start Date: 10/1 /2025

Report 3 -- Treatments

S t		Tra	averse City	v Mgt. Unit		Repo	rt 3 ⁻	Freatments		Compartmer Year of Entr		DNR SP
a n d	Treatn Nam		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
135	610431	35-NF	3.6	31022 - Warm Season Grass	Nonstock	ed	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrut)	No
Pres Spec	S:	and/or	conifers for	wildlife food and o	over. Plar	nt site ap	propriate	native shrubs a	ommunity. Leave s nd/or mast produci tive grasses and fo	ng trees for wildli		
	<u>Step</u> tments:											
<u>Acce</u> <u>Reg</u> e	ptable_ en:											
<u>Othe</u> <u>Com</u>	<u>r</u> ment:											
<u>Site</u>	Conditio	<u>ı:</u>										
Prop	osed Sta	art Date	<u>:</u> 10/1 /202	25								
137	610431	37-Cut	64.5	4122 - Oak, Pine	Sawtimbe Well	er 124	111- 140	Harvest	Group Selection	4319 - Mixed Upland Forest	Two-Aged	No
Pres Spec	S:	pine th	roughout st		rotect exist	ing adva	anced pine	e regeneration b	with some larger, v ut encourage mow I oak.			
	<u>Step</u> tments:	Monito	ring, Natura	al Regen (Re-Inver	ntory)							
Acce Rege	•	pine, o	ak, maple,	aspen.								
<u>Othe</u> <u>Com</u>	<u>r</u> ment:											
<u>Site</u>	Conditio	<u>ı:</u>										
<u>Prop</u>	osed Sta	art Date	<u>:</u> 10/1 /202	25								
138	610431	38-Cut	31.3 4	131 - Aspen, Oak	Poletimbe Well	er 56	111- 140	Harvest	Seed Tree with Retention	413 - Aspen	Two-Aged	No
Pres Spec				lown to 2 inch DBH BMP's and slopes		eave no	more tha	n 20 BA of oak a	and pine. Treatmer	nt area may be sig	gnificantly les	s than
	<u>Step</u> tments:	Monito	ring, Natura	al Regen (Re-Inver	ntory)							
Acce Rege		Aspen,	red maple	, oak, pine, hemloo	k, birch.							
<u>Othe</u> <u>Com</u>	_	-		f higher oak retenti be determined.	on in pock	ets whe	re there is	better quality o	ak. SW lobe is ste	ep hillside and co	ould be retent	tion area.
<u>Site</u>	Conditio	<u>n:</u>										
<u>Prop</u>	osed Sta	art Date	<u>:</u> 10/1 /202	25								
142	610431	42-NF	8.5	3101 - Poverty Grass, Cladonia	Nonstock	əd	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub)	No
<u>Pres</u> Spec	S:	and/or	conifers for	wildlife food and o	over. Plar	nt site ap	opropriate	native shrubs a	ommunity. Leave s nd/or mast produci tive grasses and fo	ng trees for wildli		
	<u>Step</u> tments:		·									
Acce Rege	ptable_ en:											
Othe												
<u>Site</u>	Conditio	<u>ı:</u>										
<u>Prop</u>	osed Sta	art Date	<u>:</u> 10/1 /202	25								

S t		Tra	averse City	⁷ Mgt. Unit		Repo	rt 3 ⁻	Treatments		Compartmer Year of Entr		NATURAL PRISOURCES
a n d	Treatn Nan		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
145	610431	145-NF	13.6 U	3105 - Mixed pland Herbaceous	Nonstock	ed	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrul	0	No
<u>Spec</u>		and/or	conifers for	wildlife food and	cover. Plar	nt site a	opropriate	native shrubs a	ommunity. Leave s ind/or mast produc itive grasses and fo	ing trees for wild		
Rege												
	<u>r</u> <u>ment:</u> Conditio	n:										
			<u>:</u> 10/1 /202	25								
152	610431	152-NF	5.4 3	330 - Low-Density Trees	Nonstock	ed	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrul	D	No
Pres Spec		and/or	conifers for	wildlife food and	cover. Plar	nt site a	opropriate	native shrubs a	ommunity. Leave s ind/or mast produc itive grasses and fo	ing trees for wild		
	<u>Step</u> tments:											
<u>Acce</u> Rege	eptable en:											
<u>Othe</u> Com	<u>r</u> ment:											
<u>Site</u>	Conditio	<u>n:</u>										
<u>Prop</u>	osed Sta	art Date	<u>:</u> 10/1 /202	25								
158	61043 1	58-NF		301 - Low Density Deciduous Trees	Nonstock	ed	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrul	D	No
<u>Pres</u> Spec		and/or	conifers for	wildlife food and	cover. Plar	nt site a	opropriate	native shrubs a	ommunity. Leave s ind/or mast produc itive grasses and fo	ing trees for wild		
-	<u>Step</u> tments:											
<u>Acce</u> <u>Reg</u> e	eptable en:											
<u>Othe</u> Com	e <u>r</u> ment:											
<u>Site</u>	Conditio	<u>n:</u>										
<u>Prop</u>	osed Sta	art Date	<u>:</u> 10/1 /202	25								

Trootmonte Donort 2

S t		Tra	iverse Ci	ty Mgt. Unit		Repo	rt3 ˈ	Treatments		Compartmen Year of Entry		DNR MULTURAL DNR DNR
a n d	Treatmen Name	t	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
192	61043192	NF	6.6	330 - Low-Density Trees	Nonstock	ed	Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3204 - Mast Producing Shrub		No
Spec: Next : Treat	<u>s:</u> ano neo	d/or	conifers f	fell woody encroach or wildlife food and c olantings and protec	over. Plar	nt site a	opropriate	e native shrubs a	nd/or mast produc	ing trees for wildlif		
Rege	<u>n:</u>											
<u>Other</u> Comr	-											
Site C	Condition:											
Propo	osed Start [Date	<u>:</u> 10/1 /2	025								

Total Treatment 344.1 Acreage Proposed:

Traverse City Mgt. Unit

Compartment: 43 Year of Entry: 2026

Pat Ruppen: Examiner

Availability for Management

Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	5					
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										

*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						

Со	mpartme	ent: 43	

Traverse City Mgt. Unit Pat Ruppen: Examiner

Year	of	Entry:	2026

5	Unavailable	2F: Too steep	14	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Slopes around poth	nole lake.					
6	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 of	completed 2010. Combination of	of crop	tree release and understory	release.		
8	Available	5B: Maintain for regeneration purposes	58	Unspecified	Unspecified	Unspecified	Unspecified
		inned in prior entry period. Sec o oak canopy. Stocking is variat					
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Harvested as part of	of TS# 068-06. Completed 8/09). Cut	marked trees and all aspen.	Red maple was marked t	o retain good single stem	trees.
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	38	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: Riparian zone arou	nd Dollar Lake					

		se City Mgt. Unit uppen: Examiner		Report 4 – Site Cond	ditions	Compartment: 43 Year of Entry: 2026	
13	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	I TS# 018-06. Old re-ad sale th	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
	Comments:						
16	Available	5C: Delay treatment for age/size class diversity or	7		Unspecified	Unspecified	Unspecified
		exceptional site quality					
		exceptional site quality n steep west facing slope. Som eaving this small patch of natura			verstocked but it would	be difficult to thin without dama	aging residual due t
	Natural pine mix o	n steep west facing slope. Som			verstocked but it would 3D: Recreational / Scenic values	be difficult to thin without dama 3J: Water quality / BMPs (stream, river, or lake)	aging residual due t Unspecified
17	Natural pine mix o slopes. Consider le	n steep west facing slope. Som eaving this small patch of natura 5E: Long-Term Retention	Il pine.		3D: Recreational /	3J: Water quality / BMPs	
17	Natural pine mix o slopes. Consider le Unavailable Comments:	n steep west facing slope. Som eaving this small patch of natura 5E: Long-Term Retention	Il pine.		3D: Recreational /	3J: Water quality / BMPs	
17	Natural pine mix o slopes. Consider la Unavailable Comments: Steep slopes arour	n steep west facing slope. Som eaving this small patch of natura 5E: Long-Term Retention nd Strombolis Lake	ll pine. 28	2F: Too steep	3D: Recreational / Scenic values	3J: Water quality / BMPs (stream, river, or lake)	Unspecified
17	Natural pine mix o slopes. Consider la Unavailable Comments: Steep slopes arour Unavailable	n steep west facing slope. Som eaving this small patch of natura 5E: Long-Term Retention nd Strombolis Lake	ll pine. 28	2F: Too steep	3D: Recreational / Scenic values	3J: Water quality / BMPs (stream, river, or lake)	Unspecified

	_			Report 4 – Site Cor	nditions		
		se City Mgt. Unit uppen: Examiner				Compartment: 43 Year of Entry: 2026	6
20	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	64	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 2008 harvest. com	bination of crop tree release an	d unde	erstory release. Stand is co	nverting back to white pine	e from low quality oak.	
21	Available	5B: Maintain for regeneration purposes	60	Unspecified	Unspecified	Unspecified	Unspecified
		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 dia	meter for likely age
22	Unavailable	2F: Too steep	12	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:						
23	Unavailable	3D: Recreational / Scenic values	33	2F: Too steep	Unspecified	Unspecified	Unspecified
	Comments: west side of stand h pine.	has a lot of influence from VASA	A trail.	With slopes and trail, it wo	uld be difficult to harvest.	Stand may be left to suceed	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:					nvert as jack pine falls out.	

Compartment: 43

Traverse City Mgt. Unit Pat Ruppen: Examiner

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	and 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. Allov	v 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:						

Compartment: 43

Traverse City Mgt. Unit
Pat Ruppen: Examiner

33	Unavailable	2F: Too steep	15	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
34	Unavailable	2F: Too steep	4	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
35	Unavailable	2F: Too steep	14	Unspecified	Unspecified	Unspecified	Unspecified
C	omments:						
36	Available	5C: Delay treatment for	10	Unspecified	Unspecified	Unspecified	Unspecified
		age/size class diversity or exceptional site quality					
2			nes. Keep	p for diversity. May want	to remove some of the po	oor quality from the younge	r age class that has
2 g	024: Collection of	exceptional site quality	nes. Keep 6	p for diversity. May want Unspecified	to remove some of the po Unspecified	oor quality from the younge Unspecified	r age class that has Unspecified
2 9 37 C S	024: Collection of rown in but keep t Unavailable comments: mall stand betwee	exceptional site quality old large crowned oaks and pir he large old trees. 3D: Recreational / Scenic	6	Unspecified	Unspecified	Unspecified	Unspecified
2 g 37 C S	024: Collection of rown in but keep t Unavailable comments: mall stand betwee	exceptional site quality old large crowned oaks and pir he large old trees. 3D: Recreational / Scenic values	6	Unspecified	Unspecified	Unspecified	Unspecified

Traverse City Mgt. Unit	Report 4 – Site Conditions	Compartment: 43
Pat Ruppen: Examiner		Year of Entry: 2026

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	Il 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 s	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.		

	erse City Mgt. Unit Ruppen: Examiner		Report 4 – Site Con	ditions	Compartment: 43 Year of Entry: 202	
48 Available	5C: Delay treatment for age/size class diversity or exceptional site quality	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: treating adjacent	stands at this time and other adja	icent are	eas have recently been trea	ted.		
49 Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
50 Unavailable	e 5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
51 Unavailable	5E: Long-Term Retention	1	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified
Comments:						
52 Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: recently treated						
53 Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						

	Traverse City Mgt. Unit Pat Ruppen: Examiner			Report 4 – Site Conc	litions	Compartment: 43 Year of Entry: 2026		
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 I	not finalized at this time.				
56	Unavailable	5D: Unproductive Forest Land	14	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: treated in last entry	/ 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 stanc	l for future age class diversi	ty.			
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:							

Compartment:	43
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Traverse City Mgt. Unit Pat Ruppen: Examiner

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 recor	nmended for treatment this entry	y 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:						

58	Traverse City Mgt. Unit Pat Ruppen: Examiner		Report 4 – Site Conditions			Compartment: 43 Year of Entry: 2026	
	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
69	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
70	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	38	Unspecified	Unspecified	Unspecified	Unspecified
Ν	Comments: Most of this stand i his time.	s impacted by steep ground and	l poor roa	ad access. May be able t	to access parts of this stan	d when adjacent areas are	treated. No action at
71	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Due to steep grour	nd, much of this stand is unavail	able. Wo	orkable pieces could be e	xamined when adjacent st	ands are treated.	
72	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Due to steep grour	d, much of this stand is unavail	able. Wo	orkable pieces could be e	xamined when adjacent st	ands are treated.	

Traverse City Mgt. Unit Pat Ruppen: Examiner				Report 4 – Site Cor	iditions	Compartment: 43 Year of Entry: 2026	
73	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Due to steep grour	nd, much of this stand is unavail	able. Wo	rkable 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	2018 with retention. Allow new	age clas	s 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 un	til 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 stand	d to west and possible so	uth. Not enough volume t	o harvest this stand alone.	

Traverse City Mgt. Unit Pat Ruppen: Examiner				Report 4 – Site Cor	nditions	Compartment: 43 Year of Entry: 2026	
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. Woi	kable pieces could be e	xamined when adjacent sta	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. Woi	kable pieces could be e	xamined when adjacent sta	ands are treated.	
82	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. Woi	kable pieces could be e	xamined when adjacent st	ands are treated.	
83		nd, much of this stand is unavail 5E: Long-Term Retention	able. Woi 1	kable pieces could be e Unspecified	xamined when adjacent sta Unspecified	ands are treated. Unspecified	Unspecified
83	Due to steep grour						Unspecified
83	Due to steep grour Unavailable						Unspecified Unspecified
83	Due to steep grour Unavailable Comments: Available Comments:	5E: Long-Term Retention 5C: Delay treatment for age/size class diversity or	1	Unspecified	Unspecified	Unspecified	
83	Due to steep grour Unavailable Comments: Available Comments:	5E: Long-Term Retention 5C: Delay treatment for age/size class diversity or exceptional site quality	1	Unspecified	Unspecified	Unspecified	

Compartment: 43

Traverse City Mgt. Unit Pat Ruppen: Examiner

86	Available	5B: Maintain for regeneration purposes	18	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Harvested 2018 wit	h retention. Allow new age to c	levelop				
87	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	42	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: .ow quality oak from	m sprouts with aspen and red n	naple. I	Little quality to justify thinning.	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	TS# 018-06. Old re-ad sale th	at cove	red multilpe ifmap stands. Cu	ut 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
L	Comments: .arger older age of rounger age develo	oak and pine with mixed young	jer age	with aspen clones, wp, rm, ar	nd pockets of oak saplin	gs 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 or	n challenging terrain. Let stand	develo	p and grow in before attempti	ng harvest.		
93	Unavailable	3K: Rare or unique landforms	10	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Inique amount of la	arge old oak as they were part o	of a bar	rens area that has grown			

Compartment: 43

Year of Entry: 2026 Pat Ruppen: Examiner 5B: Maintain for Unspecified Unspecified 94 Available 9 Unspecified Unspecified regeneration purposes Comments: Mixed age stand with regeneration growing through from last harvest. Let stand develop. 95 Available 5B: Maintain for 148 Unspecified Unspecified Unspecified Unspecified regeneration purposes Comments: Heavy oak saplings after harvest and prescribed burn. Let stand develop. Available 5B: Maintain for 68 Unspecified Unspecified Unspecified Unspecified 96 regeneration purposes **Comments:** Shelterwood harvest 2019. Let stand develop. Unspecified Unspecified **Available** 97 5B: Maintain for 36 Unspecified Unspecified regeneration purposes Comments: Stand has very well stocked understory. Let stand grow in. Trying to remove overstory will damage advanced regeneration. 98 Unspecified Unspecified **Available** 5B: Maintain for 17 Unspecified Unspecified regeneration purposes **Comments:** Stand thinned in 2018. Crown thinning with regeneration gaps. Let stand develop. Unspecified Unspecified Unspecified 100 **Available** 5B: Maintain for Unspecified 20 regeneration purposes Comments: Stand harvested in 2018. Clear-cut with retention. Let stand develop.

Traverse City Mgt. Unit

Traverse City Mgt. Unit Pat Ruppen: Examiner				Report 4 – Site Cor	nditions	Compartment: 43 Year of Entry: 2026		
101	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified	
	mments: Ind surrounded	by open ground or young planta	tions. No	need to harvest at this ti	ime.			
102	Available	5B: Maintain for regeneration purposes	46	Unspecified	Unspecified	Unspecified	Unspecified	
	mments: and crown thinne	ed in 2018. Let new age develop	р.					
103	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified	
	mments: w volume would	be available to harvest. Wait u	ntil adjace	ent stand is harvested the	en stand could be thinned.			
104	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified	
	mments: w volume would	be available to harvest. Wait u	ntil adjace	ent stand is harvested the	en stand could be thinned.			
105	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	26	Unspecified	Unspecified	Unspecified	Unspecified	
	mments: ge nearby sale	prescribed for harvest. This cou	ıld be trea	ated but best to wait for th	he adjacent stand to be harve	ested and planted.		
Lai		5C: Delay treatment for	27	Unspecified	Unspecified	Unspecified	Unspecified	

	Traverse City Mgt. Unit Pat Ruppen: Examiner			Report 4 – Site Co	nditions	Compartment: 43 Year of Entry: 2026		
107	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	10	Unspecified	Unspecified	Unspecified	Unspecified	
	omments: ay not be enough Available	volume to be commercially vial 2E: Road needed	ble. May	want to try to sell as sm	all sale which may be picke Unspecified	ed up by someone working Unspecified	n area. Unspecified	
Co	omments:	rea due to poor quality of existin						
109 Co	Unspecified omments:	Unspecified	0					



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name SCA Category Detail Type Recommendation Acres

Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

Conservation Type Description HCVA	Ecological Reference Area = High Conservation Value Area Special Conservation Area
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NATUR

	Iravers	se City Mg	t. Unit				Kep	0117 - 318			Year of Entry: 2026
Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
1	4310 - Pi	ne, Oak Mix	x :	Sawtimb	er Poor	28.9	104	1-50	N/A		2023: Some regeneration forming in stand. Small pockets of aspen
(Canopy Species	% Cover	Size Class	DBł	l Age	Sub-Car	opy 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 age.
	Red Pine	15	Log	14		Re	ed Oak	Low	< 5 feet	Sapling	2020: TS# 0787-17. Harvest 2019. Cut all but red and white pine and
	Red Maple	3	Pole/Log	9		Hazelni	ut (Beaked)	Low	< 5 feet	Tall Shrub	green marked retention. Tried to retain @ 40 baf but heavier where pine overstory was heavier. Edge call after harvest. Verify at next inventory.
	Red Oak	27	Log	16	104	Wh	ite Oak	Low	< 5 feet	Sapling	2014: Poor quality oak log and poles with aspen/pine mix and red maple.
No	orthern Pin Oak	2	Log	14		Bigtod	oth Aspen	Low	5 - 10 feet	Sapling	White pine understory thick in places.
	White Oak	15	Log/Pole	13	108	Wh	ite Pine	Low	Variable	Sapling	
	White Pine	38	Log	15	104	Red	d Maple	Low	5 - 10 feet	Sapling	
2	42200 - Natu	ural White F	Pine	Sawtimb	er Well	11.5	90	81-110	N/A		2023; Nice pine and oak mix along drain. May want to get some of the
C	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	larger pine and oak put. 2014:White and red pine (most is white) overstory.
	Red Maple	5	Log/Pole	10		Re	ed Oak	Low	Variable	Sapling	ovolotory.
	Red Oak	5	Log/Pole	12		Wh	ite Oak	Low	Variable	Sapling	
	White Oak	5	Log	12		Red	d Maple	Low	Variable	Sapling	
В	igtooth Aspen	2	Log	16		Wh	ite Pine	Medium	Variable	Sapling	
No	orthern Pin Oak	3	Log	14							1
	Red Pine	20	Log	14							
	White Pine	60	Log	14	90						
3	4130	- Aspen		Sapling	g Poor	2.5	14	51-80	N/A		2023: Good regeneration after last harvest.
C	Canopy Species	% Cover	Size Class	DBł	I Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	Jack Pine	2	Sapling	2	13	Wh	ite Pine	Low	5 - 10 feet	Sapling	
	White Pine	5	Sapling	2	14			·			-
В	igtooth Aspen	79	Sapling	2	14						
	White Oak	2	Sapling	2							
	Red Oak	2	Sapling	2	14						
	Red Maple	10	Sapling	2	14						
4	42200 - Natu	ural White F	Pine	Sawtimt	er Well	5.6	89	141-170	N/A		Slope around potlone depression
C	Canopy Species	% Cover	Size Class	DBł	l Age	Sub-Car	opy Species	Density	Avg. Height	Size	
	White Oak	3	Pole/Log	9		Wh	ite Pine	Low	>20 feet	Sapling	
В	igtooth Aspen	10	Log	13	89	Red	d Maple	Low	>20 feet	Pole	
	Red Pine	5	Log	13	89						
	Red Maple	10	Pole/Log	9							
	Red Oak	2	Log	14							
	Black Cherry	1	Pole	8							
	White Pine	69	Log	14	89						

Report 7 – Stands

Compartment: 43

Year of Entry: 2026

VIEW

Stand	Level 4 Co	over Type	:	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
5	6232 - W	et Prairie		Nonsto	ocked	1.4	Ui	nspecified	No		Has small upland portion on north edge. Frogs. Some standig water.
							nopy Species See Comments	Density Medium	Avg. Height	Size	Unlisted is an unknown shrub.
						Mixe	d Grasses	High		Non-Wood	
						WI	hite Pine	Low		Seeding	
						F	Rushes	Trace		Non-Wood	
6	42201 - Natural V Decio	Vhite Pine duous	, Mixed S	awtimb	er Wel	l 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	l 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 Maple	5	Pole/Sapling	5		WI	hite Pine	Medium	Variable	Sapling	
	White Pine	60	Log	14	79						
	Red Oak	3	Pole/Sapling	5							
	Red Pine	10	Log/Pole	12	79						
	Bigtooth Aspen	20	Pole/Sapling	5	25						
7	4130 -	Aspen	Р	oletimb	er Wel	l 15.9	34	111-140	N/A		Good growth, height and stocking for aspen. Likely left all pine and oa
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	a last harvest.
	Red Oak	2	Sapling	3	34	WI	hite Pine	Low	5 - 10 feet	Sapling	
	Red Pine	3	Log	13							
	White Oak	2	Log	14	79						
	Bigtooth Aspen	75	Pole	6	34						
	White Pine	10	Log	14	79						
	Red Maple	8	Pole	6	34						
8	4311 - Pine	, Aspen M	lix P	oletimb	er Wel	42.2	36	111-140	N/A		2023: Stand is on side hill and will be difficult to work. Let aspen peak
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	volume before harvesting. Aspen can gain more volume. Some large older aspen and red maple but most is in the younger age class. May
	Red Pine	15	Log	14	90	WI	hite Pine	High	Variable	Sapling	have left smaller un-merchantable aspen last harvest. The pine is
Ν	lorthern Pin Oak	3	Pole/Log	8		Wit	tch Hazel	Medium	10 - 20 feet	Tall Shrub	getting large. Looks like most aspen, oak, red maple cut last time and
	Bigtooth Aspen	40	Pole	7	36	Bigto	ooth Aspen	Low	>20 feet	Sapling	pine left. Pine is large with good stocking of younger age class throug stand.
	White Oak	6	Pole	7							
	White Pine	30	Log/XLog	16	90						
	Red Maple	6	Pole	8	25						
9	500 -	Water		Nonsto	ocked	9.8	U	nspecified	No		Frogs. Wet meadow around perimeter. Wet meadow range from 10-
						Sub-Ca	nopy Species	Density	Avg. Height	Size	wide.
							aterlillies	Low		Non-Wood	
						S	Sedges	Low		Non-Wood	
							ttail spp.	Trace		Non-Wood	
						Mixe	d Grasses	Trace		Non-Wood	
						F	Rushes	Low		Non-Wood	

Report 7 – Stands

Compartment: 43

NATUR

DNR

Stand	Level 4 C	over Type		Size De	nsity	Acres Stand A	ge BA Range	Managed	Site	General Comments
10	4191 - Mixed Upla Co	and Decidu onifer	ous with	Sawtimbe	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 Spe	ecies 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 Oak	20	Log/Pole	13		White Pine	Low	Variable	Sapling	join with this stand. An old skid road comes south through the stand to
	White Pine	15	Log/Pole	14		White Oak	Low	10 - 20 feet	Sapling	the east. May be useful for getting some of this out south of the lake.
	Bigtooth Aspen	30	Log	14	89	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
	Red Maple	10	Pole	9		Red Maple	Low	>20 feet	Sapling	aspen, red maple, white pine and oak. South of lake is heavier to oak,
	White Oak	20	Log/Pole	13			l l	1		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	Sawtimbe	er Well	6.0 114	111-140	N/A		. 2023: Older oak with pine, rm, aspen. Mixed sizes. No interesting. 2014: Mixed oak logs and poles with some aspen and pine. Average
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spe	ecies Density	Avg. Height	Size	guality and stocking.
	Bigtooth Aspen	10	Log	14		White Oak	Low	>20 feet	Sapling	
Ν	lorthern Pin Oak	10	Log	14		Red Oak	Low	>20 feet	Sapling	
	White Pine	3	Log	12		White Pine	Medium	Variable	Sapling	
	Red Pine	2	Log	13		Red Maple	Low	>20 feet	Sapling	
	Red Maple	10	Pole	8						
	Red Oak	40	Log	16	114					
	White Oak	25	Log	14						
13	6233 - W	et Meadow	I	Nonsto	cked	3.7	Unspecified	No		2014: small pond at south end w/grass and rushes along perimeter. Sav cedar waxwings, frogs. Mudrunning - need to restrict vehicular access
						Sub-Canopy Spe	ecies Density	Avg. Height	Size	(will be difficult)
						Mixed Grasse	s High		Non-Wood	
						Rushes	Trace		Non-Wood	
						White Pine	Low		Seeding	
						Sedges	Low		Non-Wood	
14	4133 - Aspe	en, Mixed P	ine	Poletimbe	er Well	11.5 25	81-110	N/A		2023: Let aspen grow in. Pine is getting large. 2014: white and red pine
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Spe	ecies Density	Avg. Height	Size	overstory with aspen regeneration. Aspen counted as canopy 2 aged
	Red Pine	5	Log	16	99	Red Oak	Low	10 - 20 feet	Sapling	
	White Oak	5	Log/Pole	12		White Pine	Medium	10 - 20 feet	Sapling	
										1
	Bigtooth Aspen	75	Pole	6	25	Red Maple	Medium	10 - 20 feet	Sapling	

Size Density

Level 4 Cover Type

Stand

15

16

17

18

Report 7 – Stands

Acres Stand Age BA Range

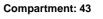
General Comments

DNR

42260 - Natural Pine, Mixed Deciduous Sawtimber Well 34.0 89 81-110 N/A 2023: Mixed white pine sizes with pockets of poles and saplings. Areas with aspen poles and saps. Mixed aspen sizes. Let stand grow in. Pine DBH Age % Cover Size Class Sub-Canopy Species Avg. Height Size **Canopy Species** Densitv is getting large but aspen needs to grow in. 95 Red Pine 30 16 White Pine Low Variable Sapling Log 20 Pole 8 25 10 - 20 feet Sapling **Bigtooth Aspen** White Oak Low White Pine 40 Log 14 89 Red Maple Medium >20 feet Sapling 5 8 White Oak Pole Witch Hazel Low 5 - 10 feet Tall Shrub Red Oak 5 8 Pole 4133 - Aspen, Mixed Pine 22.0 94 Sawtimber Well 111-140 N/A 2023: Steep slopes around ice depressions. **DBH** Age Size **Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Pole White Pine Low 25 Log 15 Red Maple >20 feet 50 14 94 **Bigtooth Aspen** Loa White Pine Medium 10 - 20 feet Sapling White Oak 10 Log 12 Witch Hazel Low 5 - 10 feet Tall Shrub 10 14 Red Oak Log Red Pine 5 12 Log Sawtimber Well 7.3 89 N/A 4131 - Aspen, Oak 81-110 2023: Steep bowl above pothole lake. Not practical to manage. DBH Age **Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Size 9 Sapling Red Maple 5 Pole/Log Red Maple Low 10 - 20 feet Red Oak 15 15 89 White Pine 10 - 20 feet Log Low Sapling White Oak 15 Log 14 12 50 89 **Bigtooth Aspen** Log Red Pine 2 12 Log 8 White Pine Log/Pole 13 Northern Pin Oak 5 Log 14 Sawtimber Poor 66 N/A 2023: Moved stand to forested from un-forested . 2014: fairly recent fire. 4319 - Mixed Upland Forest 8.3 1-50 carpet of poverty or penn sedge. old stumps.

Managed Site

2									1 Thi
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	111
White Pine	40	Log	14	66	White Pine	Low	Variable	Sapling	
Red Pine	5	Log	12	66	Red Maple	Low	5 - 10 feet	Sapling	
White Oak	10	Pole/Log	8				•		-
Red Maple	25	Pole	8						
Bigtooth Aspen	20	Log	12	66					



Year of Entry: 2026

Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed	Site	General Comments
19	4129 - 1	Mixed Oak		Sawtimt	oer Well	30.3	109	81-110	N/A		2023: Stand has been harvested in past as rm is younger age class.
	Canopy Species	% Cover	Size Class	DBł	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Older aspen clones in spots and some individual trees scattered through stand, Areas with heavy stocking of wp poles and saps. Could
	Northern Pin Oak	5	Log	14		R	ed Oak	Low	10 - 20 feet	Sapling	harvested older aspen and mark for removal poor formed trees in the res
	White Pine	5	Log/Pole	14		W	nite Pine	Medium	10 - 20 feet	Sapling	of the stand. Not very interesting due to the slopes and access issues.
	Red Pine	5	Log/Pole	12		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.
	Red Maple	10	Pole	8		Re	ed Maple	Low	>20 feet	Sapling	
	Red Oak	35	Log/Pole	15	109	W	hite Oak	Low	10 - 20 feet	Sapling	
	White Oak	30	Log/Pole	13	109						
	Bigtooth Aspen	10	Log	14							
20	4133 - Aspe	en, Mixed F	Pine	Poletim	oer Well	16.7	39	51-80	N/A		Large oak and white pine remnants scattered around with younger age
	Canopy Species	% Cover	Size Class	DBł	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 Pine	20	Pole	6	69	R	ed Oak	Low	5 - 10 feet	Sapling	
	White Oak	3	Pole	6		W	hite Oak	Low	< 5 feet	Sapling	
	Red Oak	10	Pole	6	39	W	nite Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	40	Pole	8	39					1	-
	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.
							nopy Species	Density	Avg. Height	Size	is profie to erosion. Trogs. Waaranning - restrict venicular access.
							Sedges	Medium		Non-Wood	\$
							d Grasses	Medium		Non-Wood	-
						F	Rushes	Low		Non-Wood	<u>1</u>
22	42200 - Natu	ural White I	Pine	Sawtimb	ber 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	DBł	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
	Bigtooth Aspen	3	Pole	8	35	Re	ed Maple	Low	>20 feet	Sapling	grow in. Once it is merchantable aspen could be harvested and white
	White Pine	70	Log/Pole	14	99	W	hite Oak	Low	10 - 20 feet	Sapling	pine overstory could be reduced to expand aspen. May take 20 years. WP may get too large by then but damage to second age would be
	White Oak	6	Pole	8		R	ed Oak	Low	10 - 20 feet	Sapling	excessive at this time if harvested.
	Red Pine	10	Log/Pole	13	99	Bigto	oth Aspen	Low	>20 feet	Sapling	
	Red Maple	10	Pole	8	35	W	nite Pine	Low	Variable	Sapling	
	Yellow Birch	1	Pole	8							
23	6233 - W	/et Meadow	v	Nonst	ocked	1.0	U	nspecified	No		2024: Pretty wet. More of a pond. 2014:Saw two bear cubs close by.
							nopy Species	Density	Avg. Height	Size	
							gnum Moss	Medium		Non-Wood	
							Sedges	Medium		Non-Wood	
							Rushes	Medium		Non-Wood	
							d Grasses	Low		Non-Wood	T
						Bro		Laur		AL 347	
							cken Fern atherleaf	Low		Non-Wood Tall Shrub	

Report 7 – Stands

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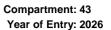
tan	d Level 4 Co	over Type	5	Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
24	42200 - Natu			wtimbe	Medium	n 5.1	94	1-50	N/A		2024: Understory is formed after last harvest. Move to canopy level ne entry 2004: Was harvested in a past entry, leaving pine overstory
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	residual red and white most white called canopy 2nd age is
	Red Pine	5	Log	12		Wh	iite Pine	Medium	>20 feet	Sapling	regeneration formed after that treatment
	White Pine	95	Log/Pole	15	94	Re	ed Oak	Low	>20 feet	Sapling	
						Wł	nite Oak	Low	>20 feet	Sapling	
						Re	d Maple	Medium	>20 feet	Sapling	
						Bigto	oth Aspen	High	>20 feet	Sapling	
25	4123 -	Red Oak	S	awtimb	er Poor	7.3	99	1-50	N/A		2023: Poor regeneration after harvest. Probably deer impact. RM $_{\rm I}$ sprouts and light wp seedlings. A few patches of aspen but should hav
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	been much. TS#051-16. Harvested fall season 2018. Cut to 2" dbh
	Red Pine	2	Log	12		Re	d Maple	Low	5 - 10 feet	Sapling	except leave green marked retention. Expect aspen, maple, oak regen
	White Oak	10	Log/Pole	12		Wh	iite Pine	Low	5 - 10 feet	Sapling	
	Northern Pin Oak	5	Log	12		Bigto	oth Aspen	Low	5 - 10 feet	Sapling	
	White Pine	3	Log	12							-
	Red Oak	80	Log/Pole	14	99						
26	4126 - White, E	Black, N. Pi	n Oak S	awtimb	er Well	9.2	109	111-140	N/A		2023: Steeper areas in depressions that were left as retention areas
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	when TS# 043-16. was harvested. Separated into stand with Long terr retention site condition.
	Red Maple	5	Log/Pole	10		Wh	iite Pine	Medium	Variable	Sapling	
	White Oak	45	Log/Pole	14	109	Re	ed Pine	Low	5 - 10 feet	Sapling	
	White Pine	10	Log/Pole	12	82	Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Oak	30	Log/Pole	14		Re	d Maple	Medium	10 - 20 feet	Sapling	
	Red Pine	10	Log/Pole	12	82						-
27	4130	- Aspen	Р	oletimb	er Well	19.5	44	81-110	N/A		2024: Stand could be harvested to re-start or could hold until next entry
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Looks best to hold. Good height growth on aspen but could put on good volume with
	White Pine	5	Log/Pole	10		R	ed Oak	Low	>20 feet	Sapling	increase diameter growth.
	Bigtooth Aspen	80	Pole	8	44	Wh	iite Pine	Low	>20 feet	Sapling	Looks like aspen will hold well on this site. Consider pushing bac to
	Red Maple	10	Pole	7		Bigto	oth Aspen	Low	10 - 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
	Red Oak	2	Pole	6		Re	d Maple	Low	>20 feet	Sapling	strip through center may have been retention island last time that is
	White Oak	3	Pole	6		Wł	nite Oak	Low	>20 feet	Sapling	heavier to oak and pine. Scattered retention of oak and pine through
					·					•	¹ stand as well. 2014: 30 yr old stand formed after final harvest a few residual pine, oak left
		and Docidu	ous with P	oletimb	er Well	28.2	25	51-80	N/A		2023: Mixed upland after last harvest. Let stand develop. RM OAK and
28	4191 - Mixed Upla Co	nifer									Aspen from sprouts.
28		onifer	Size Class		I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Some older trees mixed in left from last harvest. 2014: 2 aged white
28	Co	onifer			25		nopy Species	Density Low	Avg. Height Variable	Size Sapling	
28	Co Canopy Species	nifer % Cover	Size Class	DBH	_	Wh		-			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
28	Co Canopy Species Bigtooth Aspen	onifer % Cover 15	Size Class Pole	DBH 6	25	Wh Wh	ite Pine	Low	Variable	Sapling	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 getting browsed badly.
28	Co Canopy Species Bigtooth Aspen White Pine	% Cover 15 25	Size Class Pole Log/Pole	DBH 6 12	25 69	Wh Wh Wite	ite Pine ite Oak	Low Low	Variable 5 - 10 feet	Sapling Sapling	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 getting browsed badly.

Compartment: 43

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Stand	d Level 4 C	over Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
29	42201 - Natural Dec	White Pine, iduous	Mixed	Poletim	ber 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	5 DB	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	R	led Oak	Low	10 - 20 feet	Sapling	Almost multi aged WP
	Red Maple	15	Pole	6	49	W	hite Oak	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	5	Log/Pole	12	49	W	hite Pine	Medium	10 - 20 feet	Sapling	
	White Pine	65	Pole/Log	8	86	Re	ed Maple	Low	10 - 20 feet	Sapling	
	Red Oak	5	Pole	8							-
30	4130	- Aspen		Poletim	ber 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	5 DB	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
	White Pine	5	Log	14	79	Re	ed Maple	Medium	5 - 10 feet	Sapling	oak regen in openings but getting browsed badly. Some is getting
	Red Maple	20	Pole	6	39	Ja	ack Pine	Low	5 - 10 feet	Sapling	through in thicker areas
	White Oak	3	Pole	6	39	W	hite Pine	Medium	Variable	Sapling	
	Red Oak	2	Pole	6	39						_
	Bigtooth Aspen	70	Pole	7	39						
31	330 - Low-I	Density Tree	es	Nonsi	ocked	22.8	0 L	Inspecified	4211 - Planted	Red Pine	 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	•			ber Poor	97.0	104	1-50	N/A	0:	2023: Decent regeneration after harvest. Residual oak, rm and pine with $_{\rm l}$ aspen, rm and oak saplings.
	Canopy Species White Pine		Size Class		H Age		nopy Species	-	Avg. Height	Size	
		8	Log/Pole	12		-	bite Dine	Full	Variable	Sapling	
	Red Pine Red Oak	2 42	Log	14		VV	hite Pine	Low	Variable	Sapling	
			Log		-						
	Red Maple	40	Log/Pole								
	White Oak	8	Log	14							



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Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
33	4126 - White, I	Black, N. Pi	n Oak	Sawtimb	er Wel	l 24.2	107	81-110	N/A		2023; Aspen is old and declining. Could be harvested with poor quality
	Canopy Species	% Cover	Size Class	5 DBł	I Age	Sub-Ca	anopy Specie	es 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 regenerate
	Red Oak	25	Log	14	107	Re	ed Maple	Medium	>20 feet	Sapling	stand. Stocking is variable. May want to keep an oaky stand with all the
	White Oak	35	Log	14	107	W	hite Pine	Medium	Variable	Sapling	surrounding aspen. Private corners are in. * Some well formed oak. Most
	Red Maple	5	Pole	9							I is white oak but a little decent Red oak. Most oak is low quality. Most aspen is on the flat along east side. Could green mark better quality oak
	Bigtooth Aspen	20	Log	14							(10-40 ba.) and harvest the rest to regenerate stand. Keep most pine.
1	Northern Pin Oak	13	Log	14							Cut all aspen and most rm. Try to protect advanced wp understory as
	White Pine	2	Pole	8							found. 2014: drier low-quality oak. Looks like pine would be better suited to this site.

N/A

34 4191 - Mixed Upland Deciduous with Sawtimber Well 6.6 109 111-140 Conifer

2023: Mixed species on steep slope around ice depression lake. Factor limited.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	10	Pole/Log	9		Red Oak	Low	10 - 20 feet	Sapling
Bigtooth Aspen	5	Log	13		White Oak	Low	10 - 20 feet	Sapling
White Oak	20	Log	14	109	Red Maple	Medium	>20 feet	Sapling
Northern Pin Oak	5	Log	14		White Pine	Low	10 - 20 feet	Sapling
White Pine	15	Log/Pole	13			·		
Red Pine	15	Log/Pole	13					
Hemlock	5	Pole/Log	9					
Red Oak	25	Log	15	109				

35	500 -	Water		Nonsto	ocked	1.7	Ur	nspecified	No		Nice pond. Some log white pine, eastern hemlock pole and sawlogs, and
						Sub-Canopy	Species	Density	Avg. Height	Size	oak sawlogs on adjacent slope.
						Reed Canary	y Grass	Low		Non-Wood	t -
						Rushe	es	Trace		Non-Wood	5
						Waterlilli	lies	Low		Non-Wood	5
						Laure	el	Trace		Tall Shrub	s
						Sedge	s	Low		Non-Wood	5 A
36	4191 - Mixed Upla Co	and Deciduo nifer	ous with	Poletimb	er Well	45.6 5	56	81-110	N/A		2024: Low quality mixed stand with mixed diameters. RP planted in stand at some point.
36					er Well	45.6 5		81-110 Density	N/A Avg. Height	Size	at some point. Let stand develop. 2014: A light super-canopy of old white pine and oak
36	Co	nifer					Species			Size Sapling	at some point.
36	Co Canopy Species	nifer % Cover	Size Class		I Age	Sub-Canopy	Species	Density	Avg. Height		at some point. Let stand develop. 2014: A light super-canopy of old white pine and oak
	Co Canopy Species Red Maple	onifer % Cover 25	Size Class Pole	DB F 7	I Age	Sub-Canopy Red Map	ple Dak	Density Low	Avg. Height 10 - 20 feet	Sapling	at some point. Let stand develop. 2014: A light super-canopy of old white pine and oak 50-40 yr old age class and old -100+ part marked
	Co Canopy Species Red Maple White Oak	Cover 25 20	Size Class Pole Pole	DBH 7 8	Age 56	Sub-Canopy Red Map White O	ple Dak	DensityLowLow	Avg. Height 10 - 20 feet >20 feet	Sapling Sapling	at some point. Let stand develop. 2014: A light super-canopy of old white pine and oak 50-40 yr old age class and old -100+ part marked

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8	4199 - Other Mixe	ed Upland D	eciduous	Sawtimbe	er 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 Oak	50	Log/Pole	16	119	Hazeln	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	10	Log/Pole	10		Iro	onwood	Low	10 - 20 feet	Sapling	
	Basswood	5	Log	14		Wh	nite Pine	Low	10 - 20 feet	Sapling	
	Beech	5	Log	10		Red	d Maple	Low	10 - 20 feet	Sapling	
	Red Maple	15	Log/Pole	12		Re	ed Oak	Low	10 - 20 feet	Sapling	
	Sugar Maple	15	Log	15							_
39	4131 - A	Aspen, Oak		Poletimbe	er 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
	White Oak	5	Pole	5			ch Hazel	Low	5 - 10 feet	Tall Shrub	
	White Pine	3	Log	16		Red	d Maple	Low	>20 feet	Sapling	class in area. Need to access with vasa trail to old well pad which has
	Red Maple	10	Pole	8		Wh	ite Pine	Low	Variable	Sapling	been done for stand to the west. Opened up berm on supply road. Roc
	Red Oak	15	Pole	8					1	1	make sure the bond is high enough to bring in gravel and spread if
											needed. Protect the planted pines in the well pad. Retain well-formed
	Red Pine	2	Log	15							
40	Red Pine Bigtooth Aspen 4191 - Mixed Upla	65	Pole	Sawtimbe	54 er Well	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 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
40	Bigtooth Aspen 4191 - Mixed Upla	65 and Decidue	Pole Dous with	9 Sawtimbe	er Well					Siza	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
40	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species	65 and Decidue onifer % Cover	Pole Pole Dous with Size Class	9 Sawtimbe	er Well	Sub-Car	nopy Species	Density	Avg. Height	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 pole/sapling. Stand lays in depressions and ridges.
40	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak	and Deciduo onifer % Cover 30	Pole Dous with Size Class Log	9 Sawtimbe DBH	er Well	Sub-Car Red	nopy Species d Maple	Density 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
	Bigtooth Aspen 4191 - Mixed Upla Cc Canopy Species Red Oak White Oak	and Deciduo onifer % Cover 30 23	Pole Pole Size Class Log Log	9 Sawtimbe DBH 15 15	er Well	Sub-Car Rec Wh	n opy Species d Maple hite Oak	Density Low Low	Avg. Height 10 - 20 feet 10 - 20 feet	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.
	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak Northern Pin Oak	and Deciduo onifer % Cover 30 23 5	Pole Dus with Size Class Log Log Log	9 Sawtimber DBH 15 15 12	er Well	Sub-Car Red Wh Bigtod	n opy Species d Maple hite Oak oth Aspen	DensityLowLowLow	Avg. Height 10 - 20 feet 10 - 20 feet 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.
40	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak Northern Pin Oak White Pine	and Deciduo onifer Cover 30 23 5 22	Pole Pole Size Class Log Log Log Pole	9 Sawtimber DBH 15 12 12 8	er Well	Sub-Car Rec Wh Bigtoo Wh	nopy Species d Maple hite Oak oth Aspen hite Pine	DensityLowLowLowMedium	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet Variable	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.
	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak White Oak Northern Pin Oak White Pine Jack Pine	65 and Deciduo onifer % Cover 30 23 5 22 2 2	Pole Pole Size Class Log Log Log Pole Log	9 Sawtimber 15 15 12 8 12	er Well	Sub-Car Rec Wh Bigtoo Wh	n opy Species d Maple hite Oak oth Aspen	DensityLowLowLow	Avg. Height 10 - 20 feet 10 - 20 feet 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.
	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak Northern Pin Oak White Pine	and Deciduo onifer Cover 30 23 5 22	Pole Pole Size Class Log Log Log Pole	9 Sawtimber DBH 15 12 12 8	er Well	Sub-Car Rec Wh Bigtoo Wh	nopy Species d Maple hite Oak oth Aspen hite Pine	DensityLowLowLowMedium	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet Variable	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.
	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak White Oak Northern Pin Oak White Pine Jack Pine	65 and Deciduo onifer % Cover 30 23 5 22 2 10	Pole Pole Size Class Log Log Dole Log Log/Pole	9 Sawtimber 15 15 12 8 12	Age 104	Sub-Car Rec Wh Bigtoo Wh	nopy Species d Maple hite Oak oth Aspen hite Pine	DensityLowLowLowMedium	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet Variable	Sapling Sapling Sapling Sapling	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
41	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak White Oak White Pine Jack Pine Red Maple 4124 - Red M Canopy Species	65 and Deciduo 0 30 23 5 22 2 10 with White C % Cover	Pole Pole Size Class Log Log Dole Log Log/Pole	9 Sawtimber 15 15 12 8 12 12 12 Sawtimber DBH	Age 104	Sub-Car Red Wh Bigtoo Wh Re 23.2	nopy Species d Maple hite Oak oth Aspen hite Pine ed Oak	DensityLowLowLowMediumLow	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet Variable 10 - 20 feet N/A Avg. Height	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.
41	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak White Oak White Pine Jack Pine Red Maple 4124 - Red M	65 and Deciduo onifer 30 23 5 22 2 10 with White O Kover 5	Pole Pole Size Class Log Log Pole Log Log/Pole	9 Sa⊮timbe 15 12 12 8 12 12 12 12 12 12 12 12 12	er Well Age 104 er Well	Sub-Car Red Wh Bigtod Wh Red 23.2 Sub-Car	nopy Species d Maple hite Oak oth Aspen hite Pine ed Oak 104	Density Low Low Low Low Low Low	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet Variable 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. 2023: RM and aspen sprouts and RM seedlings forming new age after harvest. Oak seedlings in gaps but getting browsed heavily. Let stand
41	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak White Oak White Pine Jack Pine Red Maple 4124 - Red Canopy Species Northern Pin Oak White Oak	65 and Deciduo 0 30 23 5 22 2 10 with White C % Cover	Pole Pole Size Class Log Log Log Dole Log/Pole Coak Size Class	9 Sawtimber 15 12 12 8 12 12 12 3 Sawtimber DBH 14 14	er Well Age 104 er Well	Sub-Car Rec Wh Bigtod Wh Rec 23.2 Sub-Car Bigtod Rec	nopy Species d Maple hite Oak oth Aspen hite Pine ed Oak 104 104 nopy Species oth Aspen d Maple	Density Low Low Low Low Low Low Low Low Low Density	Avg. Height 10 - 20 feet 10 - 20 feet Variable 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	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. 2023: RM and aspen sprouts and RM seedlings forming new age after harvest. Oak seedlings in gaps but getting browsed heavily. Let stand
41	Bigtooth Aspen 4191 - Mixed Upla Ca Canopy Species Red Oak White Oak White Oak White Pine Jack Pine Red Maple 4124 - Red Canopy Species Northern Pin Oak	65 and Deciduo onifer 30 23 5 22 2 10 with White O Kover 5	Pole Pole Size Class Log Log Log Log Log Log Log Cak Size Class Log	9 Sawtimber 15 12 12 8 12 12 12 3 Sawtimber DBH 14 14 14	er Well Age 104 er Well	Sub-Car Rec Wh Bigtod Wh Rec 23.2 Sub-Car Bigtod Rec	nopy Species d Maple hite Oak oth Aspen hite Pine ed Oak 104 nopy Species oth Aspen	Density Low Low Low Low Low S1-80	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet Variable 10 - 20 feet N/A Avg. Height 10 - 20 feet	Sapling Sapling 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. 2023: RM and aspen sprouts and RM seedlings forming new age after harvest. Oak seedlings in gaps but getting browsed heavily. Let stand
41	Bigtooth Aspen 4191 - Mixed Upla Co Canopy Species Red Oak White Oak White Oak White Pine Jack Pine Red Maple 4124 - Red Canopy Species Northern Pin Oak White Oak	65 and Deciduo onifer % Cover 30 23 5 22 2 10 with White O % Cover 5 30 30 5 22 2 10 % Cover 5 35	Pole Pole Size Class Log Log Log Log Log Log Log/Pole Coak Size Class Log Log Log	9 Sawtimber 15 12 12 8 12 12 12 3 Sawtimber DBH 14 14	er Well Age 104 er Well	Sub-Car Red Wh Bigtoo Wh Red 23.2 Sub-Car Bigtoo Red Wh	nopy Species d Maple hite Oak oth Aspen hite Pine ed Oak 104 104 nopy Species oth Aspen d Maple	Density Low Low Low Low Low Density Medium Medium Medium Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet Variable 10 - 20 feet N/A Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling 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. 2023: RM and aspen sprouts and RM seedlings forming new age after harvest. Oak seedlings in gaps but getting browsed heavily. Let stand



tan	d Level 4 C	over Type	S	ize De	nsity	Acres Stand Age	BA Range	Managed S	Site	General Comments
42	4131 - A	spen, Oak	Sa	awtimb	er Well	5.4 54	111-140	N/A		2023: Mixed species and sizes. Low quality stand. Aspen patches in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	5 Density	Avg. Height	Size	stand with oak, pine, rm mix. Similar to the stand to west but a bit more aspen. Stand could be harvested to regenerate aspen, but other areas
	Red Maple	10	Pole	8		Red Maple	Medium	>20 feet	Sapling	may come up short on regeneration. Not much quality to work with. Bes
	Red Oak	10	Log	14	119	Red Pine	Low	10 - 20 feet	Sapling	to hold stand until next entry and the harvest with stand to west and
	Red Pine	5	Log	10		White Pine	Medium	Variable	Sapling	possible south. Not enough volume to harvest this stand alone. 2014: Mix of aspen poles/small logs and older aged wp,rp,oak. Good
	White Pine	10	Log/Pole	12						growth and height on aspen. Let stand grow in longer.
	Bigtooth Aspen	55	Pole/Log	9	54					
	White Oak	10	Log	14	119					
3	4199 - Other Mixe	d Upland D	eciduous Sa	awtimb	er Well	5.9 112	111-140	N/A		2023: Steep slope around ice depression lake.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	5 Density	Avg. Height	Size	
	Red Maple	15	Log/Pole	10		White Pine	Medium	5 - 10 feet	Sapling	
	Red Oak	25	Log/Pole	14	112					
	Bigtooth Aspen	20	Log	13	88					
	Red Pine	5	Log/Pole/XLog	12	88					
	White Pine	10	Log/Pole	12						
	White Oak	25	Log/Pole	14	112					
4	6233 - W	et Meadow	I	Nonsto	ocked	2.6	Jnspecified	No		2023: Ice block depression pond. Small amount of water although this
						Sub-Canopy Species	5 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 standir
						Unlisted - See Commen	ts Trace			water (shallow). Frogs. Trace of goldenrod and iris.
						Rushes	Medium		Non-Wood	
						Mixed Grasses	Medium		Non-Wood	
						Sedges	Medium		Non-Wood	
5	3301 - Low Densi	ity Deciduo	us Trees I	Nonsto	ocked	1.3	Jnspecified	No		2023: Small pond in bottom at times. 2014: Eastern wood peewee, red-
						Sub-Canopy 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
						Bracken Fern	High			pocket to north, could be OFS, similar vegetation.
						Mixed Grasses	Low		Non-Wood	
						Black Cherry	Low		Pole	
						Mountain Alder	Low	5 - 10 feet	Tall Shrub	
						Sweet Fern	Trace		Tall Shrub	
						Aspen (spp.)	Low		Pole	-
					l	Blueberry/Bilberry/Cranbe			Tall Shrub	
						Jack Pine	Low		Pole	-
						Oak (spp.) Sedges	Trace		Pole	
							Low		Non-Wood	

Compartment: 43

tand	Level 4 C			Size De		Acies	Stand Age B		Managed S	Site	General Comments
46	4126 - White, E	Black, N. Pi	n Oak	Sawtimb	er 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
	White Pine	10	Log/Pole	12	82	Wite	ch Hazel	Low	5 - 10 feet	Tall Shrub	marked. Expect natural regeneration on this stand while adjacent stand
	Red Oak	30	Log/Pole	14		Bigto	oth Aspen	Low	10 - 20 feet	Sapling	49 will be site prepped and planted. Depressions were excluded from sa
	Red Pine	10	Log/Pole	12	82	Re	ed Pine	Low	5 - 10 feet	Sapling	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 Oak	45	Log/Pole	14	109	Wh	nite Pine	Low	Variable	Sapling	Topography is bowls and hills.
	Red Maple	5	Log/Pole	10		Red	d Maple	Low	5 - 10 feet	Sapling	
47	4310 - Pii	ne, Oak Mix	(Sawtimb	er 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 Oak	10	Log	14		Wh	nite Pine	Low	Variable	Sapling	2014FMD: Old red and white pine and scattered oak Younger aspen red
	Bigtooth Aspen	20	Pole/Log	9	53	Red	d Maple	Low	10 - 20 feet	Sapling	oak, red maple, white pine. *Look at nw part of stand to harvest with
	White Pine	20	Log	14	114	Re	ed Pine	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 t
	Red Pine	25	Log	14	114			·	·	·	go with the rest of this stand.
	Red Maple	10	Pole	8	53						
	Red Oak	15	Log	15		<u> </u>	E 4	91 110	N//A		2014. Older ook and nine with pole sized caper and red manle growing
48	Red Oak 4191 - Mixed Upla Co	15 and Deciduo onifer	Log bus with	15 Sawtimb	er Well	6.6	54	81-110	N/A		2014: Older oak and pine with pole sized aspen and red maple growing through.
	Red Oak 4191 - Mixed Upla Cc Canopy Species	15 and Deciduo onifer % Cover	Log bus with Size Class	15 Sawtimb		Sub-Car	nopy Species	Density	Avg. Height	Size	through.
	Red Oak 4191 - Mixed Upla Cc Canopy Species White Pine	15 and Deciduo onifer % Cover 15	Log bus with Size Class Log/Pole	15 Sawtimb DBH	er Well	Sub-Car Wite	n opy Species ch Hazel	Density Low	Avg. Height 5 - 10 feet	Tall Shrub	through.
	Red Oak 4191 - Mixed Upla Cc Canopy Species White Pine Red Maple	15 and Deciduo onifer % Cover 15 15	Log ous with Size Class Log/Pole Pole	15 Sawtimb DBH 14 7	er Well	Sub-Car Wite Ree	n opy Species ch Hazel d Maple	Density Low Low	Avg. Height 5 - 10 feet >20 feet	Tall Shrub Sapling	through.
N	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Red Maple Northern Pin Oak	15and Deciduo% Cover15155	Log bus with Size Class Log/Pole Pole Log	15 Sawtimb DBH 14 7 14	er Well	Sub-Car Wite Ree Wh	nopy Species ch Hazel d Maple nite Pine	Density Low Low Low	Avg. Height 5 - 10 feet >20 feet 10 - 20 feet	Tall Shrub Sapling Sapling	through.
N	Red Oak 4191 - Mixed Upla Cc Canopy Species White Pine Red Maple Northern Pin Oak Bigtooth Aspen	15 and Deciduo % Cover 15 5 30	Log bus with Size Class Log/Pole Pole Log Pole	15 Sawtimb DBH 14 7 14 8	er Well	Sub-Car Wite Ree Wh Re	n opy Species ch Hazel d Maple nite Pine ed Oak	DensityLowLowLowLow	Avg. Height 5 - 10 feet >20 feet 10 - 20 feet >20 feet	Tall Shrub Sapling Sapling Sapling	through.
N	Red Oak 4191 - Mixed Upla Cc Canopy Species White Pine Red Maple Northern Pin Oak Bigtooth Aspen White Oak	15 and Deciduo % Cover 15 5 30 15	Log bus with Size Class Log/Pole Pole Log Pole Log	15 Sawtimb DBH 14 7 14 8 15	er Well	Sub-Car Wite Ree Wh Re	nopy Species ch Hazel d Maple nite Pine	Density Low Low Low	Avg. Height 5 - 10 feet >20 feet 10 - 20 feet	Tall Shrub Sapling Sapling	through.
N	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Red Maple Northern Pin Oak Bigtooth Aspen White Oak Red Oak	15 and Deciduo Cover 15 5 30 15 30 15 15	Log bus with Size Class Log/Pole Pole Log Log Log	15 Sawtimb DBH 14 7 14 8 15 16	er Well	Sub-Car Wite Ree Wh Re	n opy Species ch Hazel d Maple nite Pine ed Oak	DensityLowLowLowLow	Avg. Height 5 - 10 feet >20 feet 10 - 20 feet >20 feet	Tall Shrub Sapling Sapling Sapling	through.
N	Red Oak 4191 - Mixed Upla Cc Canopy Species White Pine Red Maple Northern Pin Oak Bigtooth Aspen White Oak	15 and Deciduo % Cover 15 5 30 15	Log bus with Size Class Log/Pole Pole Log Pole Log	15 Sawtimb DBH 14 7 14 8 15	er Well	Sub-Car Wite Ree Wh Re	n opy Species ch Hazel d Maple nite Pine ed Oak	DensityLowLowLowLow	Avg. Height 5 - 10 feet >20 feet 10 - 20 feet >20 feet	Tall Shrub Sapling Sapling Sapling	through.

Compartment: 43

DNR

Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
50	4199 - Other Mixe	d Upland D	eciduous	Sawtimb	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	DBH	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
	White Oak	30	Log/Pole	10	52	Oa	k (spp.)	Low	5 - 10 feet	Sapling	Pine. Stand final harvested 40 yrs ago with some residual overstory.
	Bigtooth Aspen	15	Log/Pole	10	52	Re	d Maple	Low	5 - 10 feet	Sapling	
	White Pine	5	Log/Pole	10	52	Wh	nite Pine	Low	5 - 10 feet	Sapling	
	Red Pine	5	Log/Pole	11	52	Hazeln	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	Red Maple	20	Pole	8	52						1
	Red Oak	25	Log/Pole	10	52						
51	4191 - Mixed Upla Co	and Deciduo onifer	ous with	Poletimb	er 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	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand develop. 2014: 50-60 yr old stand formed after final harvest
	Red Maple	20	Pole	8	58	Re	d Maple	Low	10 - 20 feet	Sapling	
	White Oak	10	Log	12		Wh	nite Pine	Low	5 - 10 feet	Sapling	
	Red Pine	10	Log/Pole	10	74	Re	ed Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	20	Pole	8	58	Wł	nite Oak	Low	10 - 20 feet	Sapling	
	Red Oak	20	Log/Pole	12	79						1
	White Pine	20	Log	15	79						
52	4129 - N	Vixed Oak		Sawtimb	er Well	29.7	119	51-80	N/A		2023: Good bit of wp saplings growing in with rm saplings. Left the
52	4129 - M Canopy Species		Size Class		er Well I Age	-	119 nopy Species	51-80 Density	N/A Avg. Height	Size	younger aspen clones in last sale so they are getting merchantable size
52			Size Class Pole			Sub-Ca	-			Size Sapling	
	Canopy Species	% Cover		DBH		Sub-Car Wh	nopy Species	Density	Avg. Height		younger aspen clones in last sale so they are getting merchantable size
	Canopy Species Bigtooth Aspen	% Cover 23	Pole	DB H		Sub-Car Wh Re	nopy Species nite Pine	Density Medium	Avg. Height Variable	Sapling	younger aspen clones in last sale so they are getting merchantable size
	Canopy Species Bigtooth Aspen Northern Pin Oak	% Cover 23 2	Pole Log	DBH 8 14		Sub-Car Wh Re	nopy Species nite Pine d Maple	Density Medium Medium	Avg. Height Variable 5 - 10 feet	Sapling Sapling	younger aspen clones in last sale so they are getting merchantable size
	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine	% Cover 23 2 10	Pole Log Log	DBH 8 14 12		Sub-Car Wh Re	nopy Species nite Pine d Maple	Density Medium Medium	Avg. Height Variable 5 - 10 feet	Sapling Sapling	younger aspen clones in last sale so they are getting merchantable size
	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine	% Cover 23 2 10 5	Pole Log Log Log	DBH 8 14 12 10	I Age	Sub-Car Wh Re	nopy Species nite Pine d Maple	Density Medium Medium	Avg. Height Variable 5 - 10 feet	Sapling Sapling	younger aspen clones in last sale so they are getting merchantable size
	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak	% Cover 23 2 10 5 25	Pole Log Log Log Log Log	DBH 8 14 12 10 14	1 Age	Sub-Ca Wr Re Re	nopy Species nite Pine d Maple	Density Medium Medium	Avg. Height Variable 5 - 10 feet	Sapling Sapling	2023: Poor regeneration after harvest at this point. Aspen clones tried to
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak	% Cover 23 2 10 5 25 35	Pole Log Log Log Log S	DBH 8 14 12 10 14 14 Sawtimber	1 Age	Sub-Car Wr Re Re	nopy Species hite Pine d Maple ed Pine	Density Medium Medium Low	Avg. Height Variable 5 - 10 feet 10 - 20 feet	Sapling Sapling	2023: Poor regeneration after harvest at this point. Aspen clones tried t sprout but heavily browsed. Little new wp seeding in to gaps at this time
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak 4129 - N	% Cover 23 10 5 25 35	Pole Log Log Log Log S	DBH 8 14 12 10 14 14 Sawtimber	1 Age 119 Medium	Sub-Car Wr Re Re 34.4 Sub-Car	nopy Species hite Pine d Maple ed Pine 112	Density Medium Low	Avg. Height Variable 5 - 10 feet 10 - 20 feet N/A	Sapling Sapling Sapling	younger aspen clones in last sale so they are getting merchantable size Stand looks good. Let stand grow in. 2023: Poor regeneration after harvest at this point. Aspen clones tried t
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak 4129 - N Canopy Species	% Cover 23 10 5 25 35	Pole Log Log Log Size Class	DBH 8 14 12 10 14 14 5	1 Age 119 Medium	Sub-Ca Wh Re Re 34.4 Sub-Ca Re	nopy Species nite Pine d Maple ed Pine 112 nopy Species	Density Medium Low 51-80 Density	Avg. Height Variable 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Size	2023: Poor regeneration after harvest at this point. Aspen clones tried t sprout but heavily browsed. Little new wp seeding in to gaps at this time 2018: TS# 065-16. Orange marked partial harvest + all aspen.
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak 4129 - N Canopy Species White Pine	% Cover 23 2 10 5 25 35 Wixed Oak % Cover 15	Pole Log Log Log Size Class	DBH 8 14 12 10 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 12	1 Age 119 • Medium	Sub-Car Wh Re Re 34.4 Sub-Car Re Wh	nopy Species hite Pine d Maple ed Pine 112 nopy Species d Maple	Density Medium Medium Low	Avg. Height Variable 5 - 10 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet	Sapling Sapling Sapling Sapling	2023: Poor regeneration after harvest at this point. Aspen clones tried t sprout but heavily browsed. Little new wp seeding in to gaps at this time 2018: TS# 065-16. Orange marked partial harvest + all aspen. Harvested Jan 2018. Removed larger and/or lower quality oak and most
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak 4129 - N Canopy Species White Pine Red Oak	% Cover 23 2 10 5 25 35 Mixed Oak % Cover 15 25	Pole Log Log Log Size Class Log	DBH 8 14 12 10 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 14 12 12 14	119 119	Sub-Car Wr Re Re 34.4 Sub-Car Re Wr Bigto	hopy Species hite Pine d Maple ed Pine 112 hopy Species d Maple hite Pine	Density Medium Medium Low 51-80 Density Low Medium	Avg. Height Variable 5 - 10 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Sapling	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 time 2018: TS# 065-16. Orange marked partial harvest + all aspen. Harvested Jan 2018. Removed larger and/or lower quality oak and most aspen with some red maple and some damaged pine.
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak 4129 - N Canopy Species White Pine Red Oak White Oak	% Cover 23 2 10 5 25 35 Mixed Oak % Cover 15 25 33	Pole Log Log Log S Size Class Log Log Log	DBH 8 14 12 10 14 12 30 14 12 10 14 14 12 Sawtimber 12 12 14 12 12 12	Age 119 Medium Age 112 112	Sub-Car Wr Re Re 34.4 Sub-Car Re Wr Bigto	112 hopy Species d Maple ed Pine 112 hopy Species d Maple hite Pine oth Aspen	Density Medium Low 51-80 Density Low Medium Low	Avg. Height Variable 5 - 10 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling	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 time 2018: TS# 065-16. Orange marked partial harvest + all aspen. Harvested Jan 2018. Removed larger and/or lower quality oak and most aspen with some red maple and some damaged pine.
1	Canopy Species Bigtooth Aspen Northern Pin Oak White Pine Red Pine Red Oak White Oak Canopy Species White Pine Red Oak White Oak Bigtooth Aspen	% Cover 23 2 10 5 25 35 Mixed Oak % Cover 15 25 33 10	Pole Log Log Log S Size Class Log Log Log	DBH 8 14 12 10 14 12 10 14 12 14 12 14 12 12 14 12 14 12 14 12 14	Age 119 Medium Age 112 112	Sub-Car Wr Re Re 34.4 Sub-Car Re Wr Bigto	112 hopy Species d Maple ed Pine 112 hopy Species d Maple hite Pine oth Aspen	Density Medium Low 51-80 Density Low Medium Low	Avg. Height Variable 5 - 10 feet 10 - 20 feet N/A Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling	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 time 2018: TS# 065-16. Orange marked partial harvest + all aspen. Harvested Jan 2018. Removed larger and/or lower quality oak and most aspen with some red maple and some damaged pine.

Report 7 – Stands

Compartment: 43

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Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	ite	Year of Entry: 2026 General Comments
54	3101 - Poverty			Nonst	-	0.0		nspecified	No		2023: Low density trees. ORV intrusion. May want to look at limiting
54				Nonot	Jonea			•		Ci-o	access. 2014WLD Occasional clone of mature aspen (some mortality)
							k Cherry	Density Low	Avg. Height	Size Pole	This is another cold air drainage valley. Could do some saw work.
							en (spp.)	Low		Pole	
							rty Grass	Full		Non-Wood	
							et Fern	Low		Tall Shrub	
							k (spp.)	Low		Pole	
							Bluestem	Medium		Non-Wood	
55	4126 - White, E	Black, N. Pi	in Oak	Sawtimb	er We	l 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	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	Not interested in activity adjacent to Vasa Trail. 2014; Small stand
	Red Maple	15	Log/Pole	11			ite Pine	Low	5 - 10 feet	Sapling	between private ownership and VASA pathway.
	White Oak	35	Log/Pole	14	109		Maple	Medium	>20 feet	Sapling	
E	Bigtooth Aspen	15	Pole	8						- 1 3	
	orthern Pin Oak	5	Log	13							
	White Pine	5	Log/Pole	10							
	Red Pine	F	1.00	16							
	IVER I IIIE	5	Log	10							
	Red Oak	5 20	Log Log/Pole	14							
	Red Oak 4191 - Mixed Upla	20 and Decidu onifer	Log/Pole	14 Sapling	g Poor I Age	13.1	15	1-50	N/A		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last
	Red Oak 4191 - Mixed Upla Co	20 and Decidu onifer	Log/Pole	14 Sapling		13.1	15	1-50	N/A		under scattered retention. South part of stand has a good bit of
	Red Oak 4191 - Mixed Upla Co Canopy Species	20 and Decidu onifer % Cover	Log/Pole nous with	14 Sapling	l Age	13.1	15	1-50	N/A		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last
	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine	20 and Decidu onifer % Cover 10	Log/Pole nous with Size Class Sapling	14 Sapling DBH 2	I Age 15	13.1	15	1-50	N/A		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last
	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine	20 and Decidu onifer % Cover 10 10	Log/Pole nous with Size Class Sapling Sapling	14 Sapling DBH 2 1 2 1 2 2 2 2 2 2 2 2	Age 15 15	13.1	15	1-50	N/A		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last
	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple	20 and Decidu onifer % Cover 10 10 10	Log/Pole tous with Size Class Sapling Sapling Sapling	14 Sapling DBH 2 1 2 1 2	Age 15 15 15	13.1	15	1-50	N/A		regeneration of oak and pine and scattered retention from last
N	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak	20and Deciduonifer% Cover101020	Log/Pole tous with Size Class Sapling Sapling Sapling Sapling	14 Sapling DBH 2 1 2 1 2 2 2 2 2 2 2 2	Age 15 15 15 15 15	13.1	15	1-50	N/A		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last
N	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen	20 and Decidu onifer % Cover 10 10 20 35	Log/Pole tous with Size Class Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling 2 1 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2	Age 15 15 15 15 15 15 15 15 15 15		15	1-50	N/A N/A		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son
N4 E 57	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen	20 and Decidu onifer % Cover 10 20 35 35 5 spen, Oak	Log/Pole tous with Size Class Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling 2 1 2 </td <td>Age 15 15 15 15 15 15 15 15 15 15</td> <td>I 10.1</td> <td></td> <td></td> <td></td> <td>Size</td> <td>under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera</td>	Age 15 15 15 15 15 15 15 15 15 15	I 10.1				Size	under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera
Ni E 57	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen 4131 - A	20 and Decidu onifer % Cover 10 20 35 35 5 spen, Oak	Log/Pole tous with Size Class Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling 2 1 2 </td <td>Age 15 15 15 15 15 15 15 15 0er We</td> <td>l 10.1 Sub-Can</td> <td>50</td> <td>81-110</td> <td>N/A</td> <td>Size Sapling</td> <td>under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra along edge and crossing through. 2014; Aspen dominated stand 40</td>	Age 15 15 15 15 15 15 15 15 0er We	l 10.1 Sub-Can	50	81-110	N/A	Size Sapling	under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra along edge and crossing through. 2014; Aspen dominated stand 40
Ni E 57	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen 4131 - A Canopy Species	20 and Decidu nifer % Cover 10 10 20 35 5 \$ spen, Oak % Cover	Log/Pole tous with Size Class Sapling Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling 2 1 2 3 BBH	Age 15	l 10.1 Sub-Can	50 ropy Species	81-110 Density	N/A Avg. Height		under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra
Ni E 57	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen 4131 - A Canopy Species Bigtooth Aspen	20 and Decidu onifer % Cover 10 10 20 35 5 sspen, Oak % Cover 60	Log/Pole tous with Size Class Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	14 Sapling 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3	Age 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 50	l 10.1 Sub-Can Rec Re	50 bopy Species d Maple	81-110 Density Medium	N/A Avg. Height 5 - 10 feet	Sapling	under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra along edge and crossing through. 2014; Aspen dominated stand 40
Ni E 57	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen 4131 - A Canopy Species Bigtooth Aspen White Pine	20 and Decidu mifer	Log/Pole hous with Size Class Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Pole/Log Pole	14 Sapling 2 1 2 </td <td>Age 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 50</td> <td>l 10.1 Sub-Can Rec Rec Whi</td> <td>50 Topy Species d Maple ed Oak</td> <td>81-110 Density Medium Low</td> <td>N/A Avg. Height 5 - 10 feet 5 - 10 feet</td> <td>Sapling Sapling</td> <td>under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra along edge and crossing through. 2014; Aspen dominated stand 40</td>	Age 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 50	l 10.1 Sub-Can Rec Rec Whi	50 Topy Species d Maple ed Oak	81-110 Density Medium Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling	under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Son older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra along edge and crossing through. 2014; Aspen dominated stand 40
Ni E 57	Red Oak 4191 - Mixed Upla Co Canopy Species White Pine Jack Pine Red Maple orthern Pin Oak White Oak Bigtooth Aspen 4131 - A Canopy Species Bigtooth Aspen White Pine Red Pine	20 and Decidu onifer % Cover 10 10 20 35 5 sspen, Oak % Cover 60 5 5	Log/Pole Log/Pole Size Class Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Log/Pole	14 Sapling 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 3 9 9 11	Age 15 15 15 15 15 15 15 15 15 15 15 15 15 15 15 50	l 10.1 Sub-Can Rec Re Whi Jac	50 topy Species d Maple d Oak ite Pine	81-110 Density Medium Low Low	N/A Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	under scattered retention. South part of stand has a good bit of regeneration of oak and pine and scattered retention from last treatment. 2023: Stocking is variable with aspen clones mixed with oak, rm. Som older oak and pine scattered in stand. Stand could be cut to regenera with scattered oak and pine retention from well-formed trees. Vasa tra along edge and crossing through. 2014; Aspen dominated stand 40 age

Compartment: 43

DNR

Year of Entry: 2026

Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age B	A Range	Managed	Site	General Comments
58	4191 - Mixed Upl Co	and Decidu	ous with	Sawtim	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	DBI	I Age	Sub-Car	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
	Red Pine	10	Log	16	119	Wh	nite Pine	Medium	>20 feet	Sapling	well-formed oak. Remove aspen and oak. Interesting pocket of older
	Red Maple	15	Pole	8	54	Bigto	oth Aspen	Low	Variable	Sapling	pine and oak.
	Red Oak	20	Log	14		Re	ed Oak	Low	>20 feet	Sapling	
	Bigtooth Aspen	15	Pole	8	54	Re	d Maple	Low	>20 feet	Sapling	
	White Pine	10	Log	14							-
59	3104 -	Degraded		Nonst	ocked	1.5	U	Inspecified			2022: Well plugged 3/2003. Unknown if reclamation is needed or
						Sub-Car	nopy Species	Density	Avg. Height	Size	attempted.
						St. Jo	ohns Wort	Low		Non-Wood	h
						Mixed	d Grasses	Low		Non-Wood	
						Spotted	d Knapweed	Trace		Non-Wood	
						Swe	eet Fern	Low		Tall Shrub	
61	4130	- Aspen		Poletim		47.5	54	111-140	N/A		2023: Some red pine scattered around in stand. Survey corners found
	Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	retention of some well-formed oak and pine. Slopes would be a
	Red Oak	10	Pole	8		Wite	ch Hazel	Medium	5 - 10 feet	Tall Shrub	
	Sugar Maple	3	Pole	8		Re	d Maple	Low	10 - 20 feet	Sapling	retention areas. * Vasa Trail along SW edge. Should consider when cutting. Best to leave about a chain of buffer. Central part of stand 60
	Red Maple	15	Pole	8		Blac	ck Cherry	Low	>20 feet	Sapling	should go with this. There are a couple steep areas in that stand that
	White Pine	1	Log/XLog			Sug	ar Maple	Low	Variable	Sapling	could be retention pockets. Also some slopes in this stand could be hele
	Red Pine	1	Log/Pole	10							as retention. Most good pole/small log sized red oak should be kept in this stand for another rotation. May produce some nice oak logs in
	Bigtooth Aspen	70	Pole	8	54						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 -	Mixed Oak		Sawtim		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	DBI	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	White Oak	30	Log/Pole	12	114	Re	ed Oak	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	15	Pole	8	57	Wh	nite Oak	Low	10 - 20 feet	Sapling	
	White Pine	5	Log/Pole	11		Wh	nite Pine	Medium	Variable	Sapling	
					1			1			1

Medium

Low

Medium

5 - 10 feet

10 - 20 feet

>20 feet

Red Pine

Red Maple

Northern Pin Oak

Red Oak

3

12

5

30

Log/Pole

Pole

Log/Pole

Log/Pole

11

8

14

12 114

Witch Hazel

Bigtooth Aspen

Red Maple

Tall Shrub

Sapling

Sapling

Compartment: 43

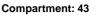
DNR

Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
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	DBH	I Age	Sub-Car	nopy Species	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
	Jack Pine	25	Log/Pole	10	84	Re	d Maple	Low	5 - 10 feet	Sapling	inventory has fallen out. 2014: two aged stand with old red and white
	Red Oak	15	Log	16	119	Wh	nite Pine	Low	5 - 10 feet	Sapling	pine and some oak in super-canopy and jack and red pine regen in
	White Oak	5	Log	16	119	Wh	nite Oak	Low	5 - 10 feet	Sapling	canopy. Counted both in canopy calls. Jack pine mixed age but most is 65-70 years old.
	White Pine	25	Log/Pole	12	84	Ja	ck Pine	Low	5 - 10 feet	Sapling	
	Red Maple	5	Log/Pole	10							-
	Red Pine	25	Log/Pole	12	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 adjacent stand or this stand could be kept for diversity and mast
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	production. Stand is heavy to red oak but a nice hardwood mix that is ur
	Basswood	10	Log	14		E	Beech	Low	>20 feet	Sapling	common in this area. 2022: Terminated previous unsold treatment.
	Red Oak	60	Log/XLog	17	114	Wh	nite Pine	Low	Variable	Sapling	2014: Quality red oak and mixed northern hardwoods. Ash component
	Bigtooth Aspen	5	Log/Pole	10		Irc	onwood	Low	>20 feet	Sapling	but not major.
	Red Maple	5	Log/Pole	12		Sug	ar Maple	Low	>20 feet	Sapling	
	Beech	1	Log	12							-
	White Oak	5	Log	12							
	White Oak Sugar Maple	5 14	Log Log	12 12							
65		14	Log		er Well	22.4	114	81-110	N/A		2023: Mixed sizes of oak and pine overstory with wp and rm with some
	Sugar Maple 4126 - White, F Canopy Species	14 Black, N. Pi	Log	12 Sawtimb	I Age		114 nopy Species	81-110 Density	N/A Avg. Height	Size	2023: Mixed sizes of oak and pine overstory with wp and rm with some oak growing through. The oak canopy is larger wolfy low quality trees. Let understory develop. Stand is slowly going to wp.
	Sugar Maple 4126 - White, I	14 Black, N. Pi % Cover 4	in Oak Size Class Log	12 Sawtimb DBH		Sub-Car Re	nopy Species ed Oak		Avg. Height 5 - 10 feet	Size Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, F Canopy Species	14 Black, N. Pi % Cover	Log in Oak Size Class	12 Sawtimb DBH	I Age	Sub-Car Re	nopy Species	Density	Avg. Height 5 - 10 feet 5 - 10 feet		oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, B Canopy Species Red Pine	14 Black, N. Pi % Cover 4	in Oak Size Class Log	12 Sawtimb DBH	I Age	Sub-Cai Re	nopy Species ed Oak	Density Low	Avg. Height 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, F Canopy Species Red Pine Red Maple	14 Black, N. Pi % Cover 4 10	Log n Oak Size Class Log Log/Pole	12 Sawtimb DBH 13 11	I Age	Sub-Car Re Re	nopy Species ed Oak d Maple	Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak	14 Black, N. Pi % Cover 4 10 25	Log n Oak Size Class Log Log/Pole Log/Pole	12 Sawtimb DBH 13 11 16	82	Sub-Car Re Re	nopy Species ed Oak d Maple hite Oak	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	a oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak	14 Black, N. Pi % Cover 4 10 25 30	Log n Oak Size Class Log Log/Pole Log/Pole Log	12 Sawtimb 13 11 16 16	82	Sub-Car Re Re	nopy Species ed Oak d Maple hite Oak	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	a oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine	14 Black, N. Pi % Cover 4 10 25 30 1	Log n Oak Size Class Log Log/Pole Log/Pole Log Log	12 Sawtimb 13 11 16 16 16 12	Age 82 114	Sub-Car Re Re	nopy Species ed Oak d Maple hite Oak	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	ak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, F Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine Bigtooth Aspen	14 Black, N. Pi % Cover 4 10 25 30 1 4	Log n Oak Size Class Log Log/Pole Log/Pole Log Log Log	12 Sawtimb DBH 13 11 16 12 13	Age 82 114	Sub-Car Re Re	nopy Species ed Oak d Maple hite Oak	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	a oak growing through. The oak canopy is larger wolfy low quality trees.
	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine Bigtooth Aspen Iorthern Pin Oak White Pine	14 Black, N. Pi % Cover 4 10 25 30 1 4 10	Log n Oak Size Class Log Log/Pole Log/Pole Log Log Log Log Log	12 Sawtimb DBI 13 11 16 16 12 15 16	I Age 82 114 82	Sub-Car Re Re	nopy Species ed Oak d Maple hite Oak hite Pine	DensityLowLowLow	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	a oak growing through. The oak canopy is larger wolfy low quality trees.
N	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine Bigtooth Aspen Iorthern Pin Oak White Pine	14 Black, N. Pi % Cover 4 10 25 30 1 4 10 16	Log n Oak Size Class Log Log/Pole Log/Pole Log Log Log Log Log	12 Sawtimb DBI 13 16 16 12 15 16 14	I Age 82 114 82	Sub-Can Re Re Wh Wh 2.5	nopy Species ed Oak d Maple hite Oak hite Pine	DensityLowLowLowMedium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	oak growing through. The oak canopy is larger wolfy low quality trees. Let understory develop. Stand is slowly going to wp.
N	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine Bigtooth Aspen Iorthern Pin Oak White Pine	14 Black, N. Pi % Cover 4 10 25 30 1 4 10 16	Log n Oak Size Class Log Log/Pole Log/Pole Log Log Log Log Log	12 Sawtimb DBI 13 16 16 12 15 16 14	I Age 82 114 82	Sub-Can Re Wh Wh 2.5 Sub-Can	nopy Species ed Oak d Maple hite Oak hite Pine	Density Low Low Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable	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.
N	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine Bigtooth Aspen Iorthern Pin Oak White Pine	14 Black, N. Pi % Cover 4 10 25 30 1 4 10 16	Log n Oak Size Class Log Log/Pole Log/Pole Log Log Log Log Log	12 Sawtimb DBI 13 16 16 12 15 16 14	I Age 82 114 82	Sub-Car Re Wh Wh 2.5 Sub-Car Spotted	nopy Species ed Oak d Maple hite Oak hite Pine U nopy Species	Density Low Low Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable	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.
N	Sugar Maple 4126 - White, B Canopy Species Red Pine Red Maple Red Oak White Oak Jack Pine Bigtooth Aspen Iorthern Pin Oak White Pine	14 Black, N. Pi % Cover 4 10 25 30 1 4 10 16	Log n Oak Size Class Log Log/Pole Log/Pole Log Log Log Log Log	12 Sawtimb DBI 13 16 16 12 15 16 14	I Age 82 114 82	Sub-Car Re Wh Wh 2.5 Sub-Car Spotted	nopy Species ed Oak d Maple hite Oak hite Pine U nopy Species d Knapweed	Density Low Low Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet Variable	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.

Compartment: 43

DNR

tand	Level 4 C	over Type	S	Size De	nsity	Acres Stand Age	BA Range	Managed	Site	General Comments
67	4191 - Mixed Upl Co	and Decidu	ous with P	oletimb	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	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	Bike trail through stand. This stand and stand 70 will likely get treatments
	Red Maple	10	Pole/Sapling	8		White Pine	Low	Variable	Sapling	at same time.
	White Oak	28	Log/Pole	14	119	Red Maple	Low	>20 feet	Pole	
	Bigtooth Aspen	10	Pole	7		Witch Hazel	Low	5 - 10 feet	Tall Shrub	
	Red Oak	27	Log	14	119	Red Oak	Low	10 - 20 feet	Sapling	
68	4199 - Other Mixe	ed Upland D	eciduous P	oletimb	er Well	3.7 69	111-140	N/A		2023: Aspen is ready to harvest, and stand would likely form larger asper
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s 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		Red Oak	Low	10 - 20 feet	Sapling	and pine retention and harvest stand when stand 76 to south is harvested
1	Northern Pin Oak	5	Pole/Log	12		Red Maple	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	Witch Hazel	Medium	Variable	Tall Shrub	boundary
	Red Oak	15	Log/Pole	13	99	Red Pine	Low	10 - 20 feet	Sapling	
	Red Maple	20	Pole/Log	9	69	White Oak	Low	10 - 20 feet	Sapling	
	White Oak	15	Log/Pole	13						1
	Bigtooth Aspen	30	Pole/Log	9	69					
69	4129 -	Mixed Oak	S	awtimb	er Well	11.3 114	51-80	N/A		2023: Larger older age of oak and pine with mixed younger age with
69	4129 - Canopy Species	Mixed Oak % Cover			Age	11.3 114 Sub-Canopy Species		N/A Avg. Height	Size	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa
69						-			Size Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
69	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	s Density	Avg. Height		aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large
69	Canopy Species Red Maple	% Cover 13	Size Class Pole/Log	DB F 9	Age 52	Sub-Canopy Species Red Oak	s Density Low	Avg. Height 10 - 20 feet	Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
69	Canopy Species Red Maple Red Oak	% Cover 13 30	Size Class Pole/Log Log	DBH 9 16	Age 52 114	Sub-Canopy Species Red Oak Red Pine	S Density Low Low	Avg. Height 10 - 20 feet >20 feet	Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
	Canopy Species Red Maple Red Oak White Oak	% Cover 13 30 25	Size Class Pole/Log Log Log	DBH 9 16 16	Age 52 114 114	Sub-Canopy Species Red Oak Red Pine White Oak	S Density Low Low Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet	Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen	% Cover 13 30 25 15	Size Class Pole/Log Log Pole	DBH 9 16 16 8	Age 52 114 114	Sub-Canopy Species Red Oak Red Pine White Oak White Pine	s Density Low Low Medium Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet Variable	Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak	% Cover 13 30 25 15 5	Size Class Pole/Log Log Pole Log	DBH 9 16 16 16 14	Age 52 114 114 52	Sub-Canopy Species Red Oak Red Pine White Oak White Pine	s Density Low Low Medium Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet Variable	Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine	Cover 13 30 25 15 5 5	Size Class Pole/Log Log Pole Log Log	DBH 9 16 16 14	Age 52 114 114	Sub-Canopy Species Red Oak Red Pine White Oak White Pine	s Density Low Low Medium Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet Variable	Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak
1	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Pine Jack Pine	Cover 13 30 25 15 5 5 5 5 5 5 5	Size Class Pole/Log Log Pole Log Log Log Pole	DBH 9 16 16 14 14 14 14 14 14	Age 52 114 114 52 69 er Well	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple 7.8 54	S Density Low Medium Medium Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet Variable	Sapling Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40. 2023: Stand could be harvested or left until next entry. Vasa Ski trail
1	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Pine Jack Pine	Cover 13 30 25 15 5 5 5 2 2	Size Class Pole/Log Log Pole Log Log Log Pole	DBH 9 16 16 14 14 14 14 14 15 0letimbt DBH	Age 52 114 114 52 69	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple	S Density Low Medium Medium Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet Variable >20 feet	Sapling Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40.
1	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Pine Jack Pine 4130	Cover 13 30 25 15 5 5 25 - Spen	Size Class Pole/Log Log Dole Log Log Dole Pole	DBH 9 16 16 14 14 14 14 14 14	Age 52 114 114 52 69 er Well	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple 7.8 54	S Density Low Medium Medium Medium	Avg. Height 10 - 20 feet >20 feet 10 - 20 feet Variable >20 feet	Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40. 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 larger. Mixes with oak, rm and pine in places and the aspen is smaller diameters. Planted red pine along southeast edge. Let this stand grow i
1	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Pine Jack Pine 4130 Canopy Species	> Cover 13 30 25 15 5 5 22	Size Class Pole/Log Log Log Log Log Log Log Pole Size Class	DBH 9 16 16 14 14 14 14 14 500 0letimb DBH 7	Age 52 114 114 52 69 er Well Age	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple 7.8 54 Sub-Canopy Species	S Density Low Medium Medium Medium 81-110 S Density	Avg. Height 10 - 20 feet >20 feet Variable >20 feet N/A Avg. Height	Sapling Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40. 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 larger. Mixes with oak, rm and pine in places and the aspen is smaller
1	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Pine Jack Pine 4130 Canopy Species Red Maple	* Cover 13 30 25 15 55 5 2 5 2 2 - Aspen 7 7	Size Class Pole/Log Log Pole Log Log Log Pole Pole	DBH 9 16 16 14 14 14 14 7 14 14	Age 52 114 114 52 69 er Well Age	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple Red Maple 7.8 54 Sub-Canopy Species White Oak	B Density Low Medium Medium Medium 81-110 B Density Low	Avg. Height 10 - 20 feet >20 feet Variable >20 feet N/A Avg. Height 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40. 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 larger. Mixes with oak, rm and pine in places and the aspen is smaller diameters. Planted red pine along southeast edge. Let this stand grow i
69 1 70	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Northern Pin Oak White Pine Red Pine Jack Pine 4130 Canopy Species Red Maple Red Oak	> Cover 13 30 25 15 5 5 2 2 5 2 2 2 3 30 30 30 2 30	Size Class Pole/Log Log Pole Log Log Log Log Size Class Pole Pole Pole Pole/Log/Sap	DBH 9 16 16 14 14 14 14 50 0letimbt DBH 7 14	Age 52 114 114 52 69 er Well Age	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple Red Maple 7.8 54 Sub-Canopy Species White Oak Red Maple Red Maple	Density Low Low Medium Medium Medium 81-110 Density Low Low	Avg. Height 10 - 20 feet >20 feet Variable >20 feet N/A Avg. Height 10 - 20 feet >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40. 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 larger. Mixes with oak, rm and pine in places and the aspen is smaller diameters. Planted red pine along southeast edge. Let this stand grow i
1	Canopy Species Red Maple Red Oak White Oak Bigtooth Aspen Vorthern Pin Oak White Pine Red Pine Jack Pine 4130 Canopy Species Red Maple Red Oak White Oak	> Cover 13 30 25 15 5 5 2 2 - Aspen 7 2 2 2	Size Class Pole/Log Log Pole Log Log Log Log Size Class Pole Pole Pole/Log/Sap Pole/Log/Sap	DBH 9 16 16 14 14 14 14 7 14 14	Age 52 114 114 52 69 er Well Age 54	Sub-Canopy Species Red Oak Red Pine White Oak White Pine Red Maple Red Maple 7.8 54 Sub-Canopy Species White Oak White Oak Red Maple White Pine White Oak	s Density Low Medium Medium Medium 81-110 s Density Low Low	Avg. Height 10 - 20 feet >20 feet Variable >20 feet N/A Avg. Height 10 - 20 feet >20 feet >20 feet	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	aspen clones, wp, rm, and pockets of oak saplings and poles. Vasa Trail. Let stand grow in. 2014: 2 aged 100+ and 50. 100+ is large crowned oaks some old pine TS 1070-72. Cut all jp, rm, aspen, and oak under 16"dbh. Second age may be 40. 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 larger. Mixes with oak, rm and pine in places and the aspen is smaller diameters. Planted red pine along southeast edge. Let this stand grow i



Year of Entry: 2026

Stand	Level 4 C	over Type		Size De	ensity	Acres Stand Age B	A Range	Managed S	ite	General Comments
71	4126 - White, I	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
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	ages. Let stand grow in. Much of the old oak is too large for harvest. 2014: LARGE CROWNED OAKS and Pine WITH ASPEN CLONES
Ν	lorthern Pin Oak	20	Log	14		White Oak	Medium	>20 feet	Sapling	
	White Pine	5	Log	12		White Pine	High	>20 feet	Sapling	WHITE PINE REGEN. OLD BURNT PINE STUMPS THROUGHOUT.
	Red Maple	15	Log/Pole	10		Red Oak	Low	>20 feet	Sapling	UNSOLD T. SALE MARKED IN NW CORNER OF STAND. VERY MIXED SPECIES Timber permit 24-70A. Cut all jp, merchantable aspen,
	Red Pine	5	Log	13		Red Maple	Medium	>20 feet	Sapling	
	Red Oak	20	Log	16	114	Bigtooth Aspen	Low	>20 feet	Sapling	maybe not. Aspen age may be 44. 2014: Second age is thick in most
	Bigtooth Aspen	5	Log	12	82				1	Iplaces. Could not enter this stand until this developes without damaging second age. Second age is small diameter for likely age-44
	White Oak	30	Log	14	114					(sapling/small pole) but stocking is good.
72	4124 - Red	with 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	Age	Sub-Canopy Species	Density	Avg. Height	Size	stand looks fine.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Bigtooth Aspen	2	Pole	8	26	Red Maple	Medium	>20 feet	Sapling
Northern Pin Oak	2	Log	14		White Pine	Low	10 - 20 feet	Sapling
White Pine	5	Log	14		Red Pine	Low	10 - 20 feet	Sapling
Red Oak	42	Log/Pole	14	108				
Red Pine	2	Log	14					
Red Maple	5	Pole	8					
White Oak	42	Log	14					

73	4130	- Aspen		Sawtimb	er Well	25.9	54	141-170	N/A	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Spec	ies Density	Avg. Height	Size
	Bigtooth Aspen	85	Log/Pole	11	54	Re	d Oak	Low	10 - 20 feet	Sapling
	Red Maple	10	Log/Pole	10		Rec	d Maple	Low	>20 feet	Sapling
	Red Oak	5	Pole/Log	9		Wh	ite Oak	Low	10 - 20 feet	Sapling

2023: Aspen is ready to harvest for regeneration purposes. Retain wellformed oak and pine. Small vernal ponds in bottoms should be protected. Many terrain issues with this harvest but it was done before. May need to leave retention pockets on steeper slopes. East side going down to well pas is too steep to harvest. Need to develop access 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 the south line. Or could work from northwest side. off adjacent road which is a difficult choice.

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. West side of stand is lower stocked with declining JP and not a lot of understory development. The entire potential seems low for a commercial harvest due to the total volume and low volume/acre. Would 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 little volume.

2014: Harvested 1970 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.

74	42220 - Nat	ural Jack P	ine	Poletimb	er Well	43.8	79	51-80	N/A	
	Canopy Species	% Cover	Size Class	5 DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size
	White Oak	5	Log/Pole	12		Red	d Maple	Low	10 - 20 feet	Sapling
	Bigtooth Aspen	5	Log/Pole	11	54	Re	ed Oak	Low	10 - 20 feet	Sapling
	Red Pine	5	Log	12		Bigtod	oth Aspen	Low	10 - 20 feet	Sapling
	Black Cherry	3	Pole	8		Wh	ite Pine	Low	>20 feet	Sapling
	Jack Pine	65	Pole/Log	8	79	Blac	k Cherry	Low	10 - 20 feet	Sapling
	Red Maple	3	Pole	9						
	Red Oak	5	Log/Pole	12						
	White Pine	9	Log/Pole	10						

Report 7 – Stands



Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age B	A Range	Managed	Site	General Comments
75	4129 -	Mixed Oak	Ś	Sawtimt	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	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	crop trees. Not interesting.
	Red Maple	15	Log/Pole	10		Re	ed Maple	Low	>20 feet	Sapling	
	Red Oak	32	Log	14	105	R	ed Oak	Low	>20 feet	Sapling	
В	ligtooth Aspen	15	Log	14		W	nite Pine	Low	Variable	Sapling	
	White Oak	35	Log/Pole	13	105	WI	hite Oak	Low	>20 feet	Sapling	
	Red Pine	3	Log	15							
77	3104 -	Degraded		Nonst	ocked	3.5	Ui	nspecified			Well plugged 3/2003. Unknown if reclamation is needed or attempted.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Little	Bluestem	Trace		Non-Wood	
						Mixe	d Grasses	Low		Non-Wood	
						Spotte	d Knapweed	Low		Non-Wood	
78	3201 - \$	Sweet Fern		Nonst	ocked	1.1	Ui	nspecified	No		Old well pad? Has good vegetation cover. Some log oaks on perimeter
						Sub-Ca	nopy Species	Density	Avg. Height	Size	Unlisted species is mullein.
						Spotte	d Knapweed	Low		Non-Wood	
						Ja	ick Pine	Low		Sapling	
						Brad	cken Fern	Trace		Non-Wood	
						Unlisted -	See Comments	Trace			-
						St. J	ohns Wort	Trace		Non-Wood	
						Sw	eet Fern	Medium		Tall Shrub	
						Oa	ak (spp.)	Trace		Sapling	
						Pove	erty Grass	Medium		Non-Wood	
79	42200 - Nat	ural White F	Pine F	Poletim	oer Well	11.4	69	141-170	N/A		2023: 155 avg ba. Mixed sizes and ages of WP. Stocking is a bit high.
C	Canopy Species	% Cover	Size Class	DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Could let stand grow as is or could mark for crop tree release and harve some of the larger trees and poor quality. Some older legacy trees
	White Pine	75	Pole/Log	6	69	Re	ed Maple	Medium	>20 feet	Sapling	scattered around should be retained. Opening canopy would likely cau
	Red Pine	10	Log	14		R	ed Oak	Low	10 - 20 feet	Sapling	heavier oak sub canopy formation. Would have to cut strip through an
	Red Oak	3	Pole	8	34	W	nite Pine	Low	10 - 20 feet	Sapling	thin off of the strips but this would not be the best way to accomplish th goal of getting the larger pine out before it becomes oversized. To just
	M/hite Oals	2	Pole	8	34	W	hite Oak	Low	10 - 20 feet	Sapling	
	White Oak	-		0	-						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



DNR DNR SS

Stand	Level 4 C						Stand Age E				
80	4310 - Pi	ne, Oak Mix	× F	Poletimb	er Well	6.1	54	81-110	N/A		2023: Mix of older oak with planted red pine pockets. Some very large
C	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	old oak scattered in stand.
	White Pine	10	Log	10	69	Blac	k Cherry	Low	10 - 20 feet	Sapling	
	White Oak	10	Log	14	109	Red	d Maple	Medium	>20 feet	Sapling	-
В	Bigtooth Aspen	10	Pole	8		Wh	nite Pine	Medium	>20 feet	Pole	-
	Red Oak	20	Log	14	109						
	Red Maple	5	Pole	8							
	Red Pine	35	Pole	8	54						
No	orthern Pin Oak	10	Log	12							
31	3104 -	Degraded		Nonsto	ocked	2.4	U	Inspecified	No		
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Unlisted - S	See Comment	s Trace			
						Swe	eet Fern	Medium		Tall Shrub	
						St. Jo	ohns Wort	Trace		Non-Wood	
						Spotted	d Knapweed	Low		Non-Wood	
							ck Pine	Low		Sapling	
		onifer			r Mediun	n 9.6	34	51-80	N/A		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 saolings growing in gaps. Lower quality stand. Let stand develop.
82 C	Co Canopy Species	onifer % Cover	Size Class	DBH	r Mediun	n 9.6 Sub-Ca r	34 nopy Species	51-80 Density	Avg. Height	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.
-	Co Canopy Species Red Maple	onifer % Cover 15	Size Class Pole/Sapling	DBF g 6	I Age	n 9.6 Sub-Car Hazeln	34 nopy Species ut (Beaked)	51-80 Density Low	Avg. Height 5 - 10 feet	Size 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.
-	Co Canopy Species Red Maple Jack Pine	Cover 15 5	Size Class Pole/Sapling Pole	DBH 9 6 6	Age 34	n 9.6 Sub-Car Hazeln Red	34 nopy Species ut (Beaked) d Maple	51-80 Density Low Low	Avg. Height 5 - 10 feet 10 - 20 feet	Size 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.
-	Canopy Species Red Maple Jack Pine White Oak	Second feature % Cover 15 5 25	Size Class Pole/Sapling Pole Pole/Sapling	DBH 9 6 6 9 6	I Age	n 9.6 Sub-Car Hazeln Rec	34 nopy Species ut (Beaked) d Maple ed Oak	51-80 Density Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Size 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.
-	Co Canopy Species Red Maple Jack Pine White Oak White Pine	% Cover 15 5 25 20	Size Class Pole/Sapling Pole Pole/Sapling Log/Pole	DBH g 6 g 6 g 6 g 10	Age 34 34	n 9.6 Sub-Car Hazeln Rec	34 nopy Species ut (Beaked) d Maple	51-80 Density Low Low	Avg. Height 5 - 10 feet 10 - 20 feet	Size 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.
-	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak	Cover 15 5 25 20 25	Size Class Pole/Sapling Pole Pole/Sapling Log/Pole Pole/Sapling	DBH g 6 g 6 g 6 g 6 g 6 g 6 g 6 g 6	Age 34 34 34 34	n 9.6 Sub-Car Hazeln Rec	34 nopy Species ut (Beaked) d Maple ed Oak	51-80 Density Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Size 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.
C	Co Canopy Species Red Maple Jack Pine White Oak White Pine	% Cover 15 5 25 20	Size Class Pole/Sapling Pole Pole/Sapling Log/Pole	DBH g 6 g 6 g 6 g 10	Age 34 34	n 9.6 Sub-Car Hazeln Rec	34 nopy Species ut (Beaked) d Maple ed Oak	51-80 Density Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Size 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.
C	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen	Cover 15 25 20 25 25 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH g 6 g 6 g 6 g 6 g 6 g 6 g 6 g 6 g 6 g 6 g 6 g 6	Age 34 34 34 99	n 9.6 Sub-Car Hazeln Rec	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak	51-80 Density Low Low Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet	Size 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.
B	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen	Cover 15 25 20 25 5 5 5 5 5 5 5 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH 3 6 4 6 5 6 6 10 5 6 13 6	Age 34 34 34 99	n 9.6 Sub-Car Hazeln Rec Wh	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak	51-80 Density Low Low Low Low Nspecified	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size 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.
C	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen	Cover 15 25 20 25 5 5 5 5 5 5 5 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH 3 6 4 6 5 6 6 10 5 6 13 6	Age 34 34 34 99	n 9.6 Sub-Car Hazeln Re Wh 2.1 2.1 Sub-Car	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak	51-80 Density Low Low Low Low Nspecified	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size 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.
C	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen	Cover 15 25 20 25 5 5 5 5 5 5 5 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH 3 6 4 6 5 6 6 10 5 6 13 6	Age 34 34 34 99	n 9.6 Sub-Car Hazeln Rec Rec Wh 2.1 2.1 Sub-Car Brac	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak U nopy Species	51-80 Density Low Low Low Low Dow Dow Dow Dow Dow Dow Dow Dow Dow D	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size 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. 2024: oil and gas facility.
В	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen	Cover 15 25 20 25 5 5 5 5 5 5 5 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH 3 6 4 6 5 6 6 10 5 6 13 6	Age 34 34 34 99	n 9.6 Sub-Car Hazeln Rec Rec Wh 2.1 2.1 Sub-Car Brac Mixed	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak ute Oak U nopy Species sken Fern	51-80 Density Low Low Low Low Inspecified Density Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size Tall Shrub Sapling 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. 2024: oil and gas facility.
с В 83	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen 3104 -	Cover 15 25 20 25 5 5 5 5 5 5 5 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH 3 6 4 6 5 6 6 10 5 6 13 6	Age 34 34 34 99 bocked	n 9.6 Sub-Car Hazeln Rec Rec Wh 2.1 2.1 Sub-Car Brac Mixed	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak nite Oak U nopy Species eken Fern d Grasses d Knapweed	51-80 Density Low Low Low Low Duspecified Density Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling	2024: oil and gas facility. 2024: pretty wet-pondlike. 2014:Mudrunners. needs vehicle barriers and
C	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen 3104 -	Cover 15 25 20 25 20 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH g 6 g 6 g 6 g 6 g 6 g 6 g 6 h 6	Age 34 34 34 99 bocked	n 9.6 Sub-Car Hazeln Rec Wh 2.1 Sub-Car Brac Mixed Spotted 1.9	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak nite Oak U nopy Species eken Fern d Grasses d Knapweed	51-80 Density Low Low Low Density Low	Avg. Height 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet No Avg. Height	Size Tall Shrub Sapling Sapling 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. 2024: oil and gas facility.
с В 83	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen 3104 -	Cover 15 25 20 25 20 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH g 6 g 6 g 6 g 6 g 6 g 6 g 6 h 6	Age 34 34 34 99 bocked	n 9.6 Sub-Car Hazeln Rec Ref Wh 2.1 Sub-Car Brac Mixed Spotted 1.9 Sub-Car	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak U nopy Species eken Fern d Grasses d Knapweed	51-80 Density Low Low Low Density Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No Avg. Height	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling	2024: oil and gas facility.
с В 83	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen 3104 -	Cover 15 25 20 25 20 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH g 6 g 6 g 6 g 6 g 6 g 6 g 6 h 6	Age 34 34 34 99 bocked	n 9.6 Sub-Car Hazeln Rea Rea Wh 2.1 2.1 Sub-Car Brac Mixed Spotted 1.9 Sub-Car Mixed	34 mopy Species ut (Beaked) d Maple ed Oak nite Oak U mopy Species cken Fern d Grasses d Knapweed U mopy Species	51-80 Density Low Low Low Low Density Low Low Low Low Low Low Low Low Low Density Density	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No Avg. Height	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling Non-Wood Non-Wood Non-Wood	2024: oil and gas facility.
с В 83	Co Canopy Species Red Maple Jack Pine White Oak White Pine Red Oak Red Pine Bigtooth Aspen 3104 -	Cover 15 25 20 25 20 5	Size Class Pole/Sapling Pole/Sapling Log/Pole Pole/Sapling Log	DBH g 6 g 6 g 6 g 6 g 6 g 6 g 6 h 6	Age 34 34 34 99 bocked	n 9.6 Sub-Car Hazeln Rec Ref Wh 2.1 2.1 Sub-Car 1.9 Sub-Car Mixed Cat	34 nopy Species ut (Beaked) d Maple ed Oak nite Oak ut Oak U nopy Species d Knapweed U nopy Species d Grasses d Grasses	51-80 Density Low Low Low Low Mspecified Density Low Low Low High	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet No Avg. Height	Size Tall Shrub Sapling Sapling Sapling Sapling Sapling Sapling Non-Wood Non-Wood Non-Wood	2024: oil and gas facility. 2024: pretty wet-pondlike. 2014:Mudrunners. needs vehicle barriers an signs.

Compartment: 43

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										Year of Entry: 2026
tanc	Level 4 C	over Type		Size De	nsity	Acres Stand Age B	A Range	Managed S	Site	General Comments
85	42200 - Natu	ural White P	rine S	awtimber	Medium	15.8 104	51-80	N/A		2023: Stand has depressions and ridge. Areas with well stocked wp poles and saps. Areas with lower canopy density of wp have thickets of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	white oak saplings. Mixed ages of white pine. Some old legacy trees
	White Pine	60	Log/Pole	11	104	White Pine	Medium	10 - 20 feet	Sapling	scattered around. Let stand develop. May want to thin in future and
	Red 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 all merchantable except red and white pine. Cut oak, aspen, jp, rm.
	White Oak	5	Pole	8	34	Red Pine	Low	5 - 10 feet	Sapling	an merchantable except red and white pine. Cut oak, aspen, jp, m.
	Red Maple	10	Pole	6	34	White Oak	Medium	10 - 20 feet	Sapling	
	Bigtooth Aspen	5	Log	12	94	Red Maple	Low	5 - 10 feet	Sapling	
	Red Pine	15	Log	14	104					
86	4199 - Other Mixe	d Upland D	eciduous	Sapling N	ledium	22.1 26	1-50	N/A		2023: stand is growing in. Oak thickets developing over time. Thick oal
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	regeneration in places. Some aspen clones. Some low stocked areas i depressions. Let stand develop. 2014: Calling regen canopy TS# 055-
	White Oak	30	Sapling	3	26	White Pine	Low	5 - 10 feet	Sapling	96. TCR 6/97. Cut to 2" but do not cut any red pine, green marked or
	White Pine	5	Sapling	4	26	Black Cherry	Low	5 - 10 feet	Sapling	cherry in frost pockets
	Bigtooth Aspen	15	Sapling	4	26	Red Maple	Low	5 - 10 feet	Pole	
	Red Pine	5	Sapling	4	26	Red Oak	Low	5 - 10 feet	Sapling	
	Black Cherry	5	Sapling	4	26	White Oak	Low	5 - 10 feet	Sapling	
	Red Oak	20	Sapling	3	26					1
	Red Maple	20	Sapling	3	26					
87	4131 - A	spen, Oak		Poletimb	er Well	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		Red Maple	Low	5 - 10 feet	Sapling	stand could be marked to remove poor quality and release crowns of
	White Oak	5	Log/Pole	12		White Pine	Low	Variable	Sapling	quality trees. Mixed oak sizes. Some left from last harvest, and some
	Red Oak	15	Log/Pole	12		Witch Hazel	Low	< 5 feet	Tall Shrub	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
										areas.
88	4126 - White, E	Black, N. Pi	n Oak Sa	awtimber	Medium	36.1 114	1-50	N/A		2023: Good growth on much of the planted red pine. Heavy oak regen
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	patches. Most is WO. Stand has very well stocked understory. Let stand grow in. Trying to remove overstory will damage advanced
	Northern Pin Oak	2	Log	14		Red Pine	Medium	5 - 10 feet	Seeding	regeneration. 2017: Regen survey showed 500+ TPA red pine.
	White Pine	15	Log/Pole	10		Witch Hazel	Low	5 - 10 feet	Tall Shrub	Competition from oak, rm, cherry. Let stand develop.
	Red Oak	35	Log/Pole	12	114	White Oak	Medium	5 - 10 feet	Sapling	
	Red Pine	8	Pole	9		Red Oak	Low	5 - 10 feet	Sapling	
		40	Log/Pole	13	114	Black Cherry	Low	5 - 10 feet	Sapling	
	White Oak	40	0		11					
	White Oak	40	0			Red Maple	Low	10 - 20 feet	Sapling	
	White Oak	40				,	Low Low	10 - 20 feet Variable	Sapling Sapling	



Year of Entry: 2026

stand	d Level 4 C		Si			Acres	Stand Age B		Managed	•	General Comments
89	4126 - White, E	Black, N. Pi	n Oak Saw	timbei	. Mediu	m 68.4	114	51-80	N/A	L.	. 2023: Most oak and aspen sprouts browsed heavily. RM stump sprout
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	evenly distributed. Little new wp seedling at this time but some residual saps and seedlings
	Red Maple	2	Pole/Log	9		Re	ed Maple	Low	5 - 10 feet	Sapling	after harvest. 2019: TS# 078-17. Reduced Basal area to 40-60 to
	White Oak	55	Log	12	114	Hazelr	nut (Beaked)	Low	5 - 10 feet	Tall Shrub	encourage development of new stand in understory. White pine may
	White Pine	3	Log/Pole	12		WI	hite Pine	Low	Variable	Sapling	occupy understory as stand develops along with oak, maple and aspen sprouts.
	Red Pine	2	Log	14		W	hite Oak	Low	10 - 20 feet	Sapling	
	Red Oak	33	Log	12	114	R	ted Oak	Low	10 - 20 feet	Sapling	
	Northern Pin Oak	5	Log/Pole	14						,	
90	4130	- Aspen	Po	letimb	er Wel	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-Ca	nopy Species	Density	Avg. Height	Size	side of road has more pine overstory and smaller diameter aspen growin through. Good growth on aspen generally. Some log sized rm and oak
	Bigtooth Aspen	60	Pole/Sapling	6	34		hite Oak	Low	10 - 20 feet	Sapling	that must have been considered un-merchantable at last harvest.
	White Pine	8	Sapling	3	34	Bla	ck Cherry	Low	5 - 10 feet	Sapling	
	Red Pine	2	Sapling/Pole	4	34	Re	ed Maple	Low	10 - 20 feet	Sapling	
	Red Oak	10	Sapling/Pole	2	34	Ja	ack Pine	Low	5 - 10 feet	Sapling	
									10 00 1	0 "	
	Red Maple	13	Pole/Sapling	6	34	R	led Oak	Low	10 - 20 feet	Sapling	
	Red Maple White Oak	13 7	Pole/Sapling Sapling/Pole	6	34 34		Red Oak hite Pine	Low	10 - 20 feet 10 - 20 feet	Sapling	
91		7	Sapling/Pole		34		hite Pine			Sapling	Bullhead lake and surrounding ecotone. 10-40' buffer of exposed lake
ə 1	White Oak	7	Sapling/Pole	4	34	WI 7.0	hite Pine	Low	10 - 20 feet	Sapling	Bullhead lake and surrounding ecotone. 10-40' buffer of exposed lake bed.
91	White Oak	7	Sapling/Pole	4	34	7.0 Sub-Ca	hite Pine U	Low	10 - 20 feet No	Sapling	č
91	White Oak	7	Sapling/Pole	4	34	7.0 Sub-Ca Mixe	hite Pine U anopy Species	Low Inspecified Density	10 - 20 feet No	Sapling Size	č
91	White Oak	7	Sapling/Pole	4	34	7.0 Sub-Ca Mixe Ca	hite Pine U Inopy Species ad Grasses	Low Inspecified Density Low	10 - 20 feet No	Sapling Size Non-Wood	bed.
91	White Oak	7	Sapling/Pole	4	34	7.0 Sub-Ca Mixe Ca Wa	hite Pine U anopy Species ed Grasses attail spp.	Low Inspecified Density Low Trace	10 - 20 feet No	Sapling Size Non-Wood Non-Wood	bed.
91 92	White Oak	ow Density	Sapling/Pole	4	34 ocked	7.0 Sub-Ca Mixe Ca Wa	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Inspecified Density Low Trace Low	10 - 20 feet No	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is
	White Oak 3303 - Mixed L	ow Density	Sapling/Pole	4 Nonsto	34 ocked	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is currently 762 Trees per Acre and stand is currently 95% Free to Grow at
	White Oak 3303 - Mixed L 42110 - Plan	ow Density	Sapling/Pole Trees	4 Nonsto	34 ocked	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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.
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 2022: release spray treatment dropped due to stand size and complicating factors.
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 2022: release spray treatment dropped due to stand size and complicating factors. 11/9/2021 - Year 1 regeneration survey completed. Stand has
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 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
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 2022: release spray treatment dropped due to stand size and complicating factors. 11/9/2021 - Year 1 regeneration survey completed. Stand has
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 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.
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 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
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 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.
	White Oak 3303 - Mixed L 42110 - Plan Canopy Species	nted Red P	Sapling/Pole Trees ine Size Class	4 Nonsto Sapling DBH	34 ocked g Well	VI 7.0 Sub-Ca Mixe Ca Wa F	hite Pine U anopy Species ed Grasses attail spp. aterlillies Rushes	Low Density Low Trace Low Trace	10 - 20 feet No Avg. Height	Sapling Size Non-Wood Non-Wood Non-Wood Non-Wood	bed. 2023 - Year 3 regeneration survey was completed 9/30/2023. There is 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. 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.



	Taver	se City Mg	. onit				5117 - 516			Year of Entry: 2026
Stand	Level 4 C	over Type		Size De	ensity	Acres Stand Age B	A Range	Managed S	Site	General Comments
93	4126 - White, E	Black, N. Pi	n Oak	Sawtimb	er Well	4.0 109	81-110	N/A		2023: Leave island between two harvests. No action needed.
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Red Pine	3	Pole	9		Black Cherry	Low	10 - 20 feet	Sapling	
	White Pine	5	Log/Pole	10		White Oak	Low	10 - 20 feet	Sapling	
	White Oak	50	Log/Pole	14	109	Red Oak	Low	10 - 20 feet	Sapling	
	Jack Pine	2	Pole	8		Red Maple	Low	10 - 20 feet	Sapling	
	Red Maple	10	Pole/Log	9						-
	orthern Pin Oak	10	Log/Pole	14						
No	onnem Pin Oak	10	Log/1 old							
No	Red Oak	20	Log/Pole	14	109					
94	Red Oak 4191 - Mixed Upla Co	20 and Deciduo onifer	Log/Pole	14 oletimbe	r Mediu		51-80	N/A	Sizo	2023: Low stocked areas. Low quality stand from sprouts. Nice old White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.
94	Red Oak 4191 - Mixed Upla Co Canopy Species	20 and Deciduo onifer % Cover	Log/Pole	14 Detimbe		Sub-Canopy Species	Density	Avg. Height	Size Sapling	White Oak scattered in stand. Grown in Barrens look. Still filling in
94	Red Oak 4191 - Mixed Upla Co Canopy Species Jack Pine	20 and Deciduo onifer % Cover 5	Log/Pole	14 oletimbe	r Mediu		Density Low		Sapling	White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.
94	Red Oak 4191 - Mixed Upla Co Canopy Species	20 and Deciduo onifer % Cover	Log/Pole bus with Po Size Class Pole	14 bletimbe DBH 6	r Mediu	Sub-Canopy Species White Oak	Density	Avg. Height 5 - 10 feet	Sapling Tall Shrub	White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.
94 (Red Oak 4191 - Mixed Upla Co Canopy Species Jack Pine Bigtooth Aspen	20 and Deciduo onifer % Cover 5 5	Log/Pole bus with Po Size Class Pole Pole Pole	14 bletimbe DBH 6 6 5	r Mediu I Age	Sub-Canopy Species White Oak Witch Hazel	Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub Sapling	White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.
94 (Red Oak 4191 - Mixed Upla Cc Canopy Species Jack Pine Bigtooth Aspen Red Pine	20 and Deciduo onifer % Cover 5 5 5 5	Log/Pole bus with Pole Size Class Pole Pole	14 bletimbe DBH 6 6 5 5	r Mediu I Age	Sub-Canopy Species White Oak Witch Hazel Red Oak	Density Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub	White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.
94 (Red Oak 4191 - Mixed Upla Cc Canopy Species Jack Pine Bigtooth Aspen Red Pine orthern Pin Oak	20 and Deciduo onifer % Cover 5 5 5 5 5 5	Log/Pole bus with Pole Size Class Pole Pole Pole Pole/Sapling	14 Detimbe DBH 6 5 5 5	r Mediu I Age 34	Sub-Canopy Species White Oak Witch Hazel Red Oak	Density Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub Sapling	White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.
94	Red Oak 4191 - Mixed Upla Cc Canopy Species Jack Pine Bigtooth Aspen Red Pine orthern Pin Oak White Oak	20 and Deciduo onifer % Cover 5 5 5 5 5 30	Log/Pole Log/Pole Size Class Pole Pole Pole Pole/Sapling Pole/Sapling	14 Detimbe DBH 6 5 5 5	r Mediu I Age 34 34	Sub-Canopy Species White Oak Witch Hazel Red Oak	Density Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Tall Shrub Sapling	White Oak scattered in stand. Grown in Barrens look. Still filling in pockets with oak saplings. Let stand develop.

51-80

N/A

95	42250 -	Pine, Oak		Sawtimb	er Well	9.4	79	81-110	N/A	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	opy Species	Density	Avg. Height	Size
	White Oak	15	Log	16	114	Bigtod	oth Aspen	Low	>20 feet	Sapling
	Red Maple	5	Log/Pole	10		Wh	ite Oak	Low	5 - 10 feet	Sapling
	Bigtooth Aspen	5	Log	12		Red	d Maple	Low	>20 feet	Sapling
	Red Oak	15	Log	17		Wh	ite Pine	Low	Variable	Sapling
	White Pine	40	Log/Pole	14	79	Re	ed Oak	Low	5 - 10 feet	Sapling
	Jack Pine	5	Pole/Log/Sa	o 9	79					
	Red Pine	15	Log/Pole	14						

2023: East side had some aspen and rm cut out in last treatment. RM, 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 red maple and aspen. West side is heavier to mature aspen,oak,pine. A couple stray pieces added to stand from adjacent treatments that are 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.

4126 - White, Black, N. Pin Oak 96

Poletimber Well 54.7 104

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	5	Log	12		Red Oak	Low	>20 feet	Sapling
Red Maple	10	Log/Pole	11		White Oak	Low	>20 feet	Pole
Red Oak	25	Log	14	104	White Pine	Low	Variable	Sapling
White Oak	35	Log	14	104	Red Maple	Low	>20 feet	Pole
Bigtooth Aspen	10	Log	13	90		-	1	1
White Pine	5	Pole/Log	12					
Northern Pin Oak	10	Log/Pole	12					

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 and remove aspen and poor formed trees. Could work with stand 99 and 87. Mark RM. Some is decent.

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Year o	f Entry:	2026
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Stand	Level 4 C	over Type	5	Size De	nsity	Acres Stand Age I	BA Range	Managed S	Site	General Comments
97	4124 - Red v	with White C	Dak Sav	wtimber	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-Canopy 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
	Red Pine	3	Log	13		Red Oak	Low	5 - 10 feet	Sapling	stagnant stems and to open canopy to promote wp understory. New
	Red Oak	40	Log/Pole	14	99	Red Pine	Low	< 5 feet	Seeding	acquisition 2014.
	White Oak	40	Log/Pole	10	99	White Oak	Low	5 - 10 feet	Sapling	
	White Pine	12	Log/Pole	12		Hazelnut (Beaked)	Low	5 - 10 feet	Tall Shrub	2
	Red Maple	5	Log/Pole	10		Red Maple	Medium	5 - 10 feet	Sapling	
				1		White Pine	Medium	10 - 20 feet	Sapling	
98	4191 - Mixed Upla Co	and Deciduo onifer	ous with P	oletimb	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-Canopy 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
1	Northern Pin Oak	10	Pole	6	34	White Pine	Low	5 - 10 feet	Sapling	retention from last treatment.
	Red Pine	10	Pole/Log	8	104	Jack Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	5	Pole	6		White Oak	Low	5 - 10 feet	Sapling	
	Jack Pine	10	Pole	8	34	Black Cherry	Low	5 - 10 feet	Sapling	
	White Oak	25	Pole	6	34	Red Oak	Low	5 - 10 feet	Sapling	
	Red Maple	20	Pole	8	34		1		_1	-
99	4123 -	Red Oak	S	Sawtimb	er Well	15.4 114	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	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Heavy beech scale in some beech. Should take beech and aspen when
	Black Cherry	1	Log	10		Beech	Low	>20 feet	Sapling	harvested. Keep out of the hemlock grove in east side. Some other
	Red Oak	60	Log	16	114	Hemlock	Low	10 - 20 feet	Sapling	areas may be too steep to access. Could work with stand 87 and north part of stand 96. Access is an issue due to road issues.
	Basswood	5	Log	13		Ironwood	Low	10 - 20 feet	Sapling	
	Hemlock	1	Pole	8		Sugar Maple	Low	>20 feet	Sapling	
	Beech	1	Log	12						
	Bigtooth Aspen	5	Log/Pole	10						
	Red Maple	13	Log/Pole	11						
	Sugar Maple	14	Log/Pole	11						
100	42200 - Natu	ural White F	Pine P	oletimb	er Well	12.4 79	81-110	N/A		2024: Mixed sizes of white pine. Good stocking of oak saplings and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	some poles growing through pine canopy. Most is White Oak. Stand could be thinned in future but would like lead to oak understory advancin
	White Oak	3	Pole	8	34	White Pine	Low	Variable	Sapling	and stand moving toward oak/pine mix. Should treat before larger pine
	White Pine	75	Pole/Log	9	79	Jack Pine	Low	10 - 20 feet	Sapling	gets too large for commercial use. Look at next entry. 2004: NEARLY
	Red Pine	3	Log/Pole	12	79	White Oak	Medium	10 - 20 feet	Sapling	MULTI AGED WHITE PINE 2 AGED NOW. VERY GOOD WP REGEN 2014: TS 01-87. TCR 1989. Cut all merchantable but leave all white an
	Jack Pine	2	Pole/Sapling	6	34	Red Oak	Low	10 - 20 feet	Sapling	red pine. Cut mainly oak, rm, jp, aspen.
	Distanth Annan	10	Pole	6		Red Maple	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen			-	1.1					
	Red Oak	2	Pole	8	34	Red Pine	Low	10 - 20 feet	Sapling	

Report 7 – Stands



Stand	Level 4 Cove	r Type		Size Density	Acres Stand Age B	A Range	Managed S	Site	General Comments
101	3104 - Deg	jraded		Nonstocked	1.8 Ur	nspecified	No		old degraded well pad. pine creeping in.
					Sub-Canopy Species	Density	Avg. Height	Size	
					Spotted Knapweed	Low		Non-Wood	
					Mixed Grasses	Medium		Non-Wood	
					Sweet Fern	Medium		Tall Shrub	
					Oak (spp.)	Low		Seeding	
					Bracken Fern	Low		Non-Wood	
					Jack Pine	Low		Pole	
					St. Johns Wort	Trace		Non-Wood	
02	3104 - Deg	Iraded		Nonstocked	2.0 Ur	nspecified	No		2024: active site. still has oil equipment.
					Sub-Canopy Species	Density	Avg. Height	Size	
					Black Cherry	Trace		Sapling	
					Spotted Knapweed	High		Non-Wood	
					Little Bluestem	Trace		Non-Wood	
					Bracken Fern	Low		Non-Wood	
					Bigtooth Aspen	Trace		Seeding	
					Sweet Fern	Low		Tall Shrub	
103	4122 - Oak			Sawtimber Poor	-	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
	17 1		Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	sprouts.
	White Dine	33	Log	12	White Pine	Medium	Variable	Sapling	
	White Pine								
	White Oak	34	Log	14 114	Bigtooth Aspen	Low	Variable	Sapling	
			Log Log	14 114 14 14	White Oak	Low	Variable	Sapling	
	White Oak	34	-		White Oak Red Maple	Low Medium	Variable Variable	Sapling Sapling	
	White Oak	34	-		White Oak	Low	Variable	Sapling	
104	White Oak	34 33	Log		White Oak Red Maple Red Oak	Low Medium	Variable Variable	Sapling Sapling	Nice frost pocket. Leave as is. Dead trees along perimeter. Also has
04	White Oak Red Oak	34 33	Log	14	White Oak Red Maple Red Oak	Low Medium Low	Variable Variable Variable	Sapling Sapling	Nice frost pocket. Leave as is. Dead trees along perimeter. Also has trace of oak, juneberry and SJW.
04	White Oak Red Oak	34 33	Log	14	White Oak Red Maple Red Oak 2.3 Ur	Low Medium Low	Variable Variable Variable No	Sapling Sapling Sapling	
04	White Oak Red Oak	34 33	Log	Nonstocked	White Oak Red Maple Red Oak 2.3 Ur Sub-Canopy Species	Low Medium Low Density Low	Variable Variable Variable No	Sapling Sapling Sapling Size	
04	White Oak Red Oak	34 33	Log	Nonstocked	White Oak Red Maple Red Oak 2.3 Ur Sub-Canopy Species Black Cherry	Low Medium Low Density Low ry Low	Variable Variable Variable No	Sapling Sapling Sapling Size Pole	
04	White Oak Red Oak	34 33	Log	Nonstocked	White Oak Red Maple Red Oak 2.3 Ur Sub-Canopy Species Black Cherry Blueberry/Bilberry/Cranber	Low Medium Low Density Low ry Low	Variable Variable Variable No	Sapling Sapling Sapling Size Pole Tall Shrub	trace of oak, juneberry and SJW.
04	White Oak Red Oak	34 33	Log	Nonstocked	White Oak Red Maple Red Oak 2.3 Ur Sub-Canopy Species Black Cherry Blueberry/Bilberry/Cranberr Cladonia (Reindeer moss)	Low Medium Low Densited Low y Low	Variable Variable Variable No	Sapling Sapling Sapling Size Pole Tall Shrub Non-Wood	trace of oak, juneberry and SJW.
04	White Oak Red Oak	34 33	Log	Nonstocked	White Oak Red Maple Red Oak 2.3 Ur Sub-Canopy Species Black Cherry Blueberry/Bilberry/Cranberr Cladonia (Reindeer moss) Sweet Fern	Low Medium Low Density Low y Low b Low	Variable Variable Variable No	Sapling Sapling Sapling Size Pole Tall Shrub Non-Wood Tall Shrub	trace of oak, juneberry and SJW.

Report 7 – Stands

Compartment: 43 Year of Entry: 2026 DNR MICHIGAN

Stand	Level 4 C	over Type	S	ize De	ensity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
105	4130	- Aspen	Pc	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	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	BC. Good growth on aspen. Some low stocked areas. Lots of bike trails. Let stand grow in.
	Black Cherry	5	Pole	5		Bla	ck Cherry	Medium	5 - 10 feet	Sapling	
	White Pine	5	Pole	5		WI	nite Pine	Low	5 - 10 feet	Sapling	
	White Oak	5	Pole	5							-
	Red Oak	5	Pole	6	35						
	Bigtooth Aspen	70	Pole	6	35						
	Red Maple	10	Pole	5	35						
106	310 - Herbac	eous Open	land I	Nonsto	ocked	3.4		Unspecified	No		utility easement
107	4191 - Mixed Upla Co	and Decidu onifer	ous with Pc	oletimb	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 heavier pine
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	component in places. 2014: New stand formed after last harvest (age 24) counted as canopy. TS 01-87. TCR 1989. Cut all merchantable but
	Red Oak	20	Pole/Sapling	5	34	Northe	ern Pin Oak	Low	5 - 10 feet	Sapling	leave all white and red pine. Cut mainly oak, rm, jp, aspen. OLDER
	Bigtooth Aspen	20	Pole	6	34	WI	nite Pine	Medium	Variable	Sapling	WHITE AND RED PINE AND OAK SCATTERED AROUND
	White Pine	10	Sapling	4	34	Re	d Maple	Medium	10 - 20 feet	Sapling	
	Jack Pine	10	Pole	6	34	Hazelr	ut (Beaked)	Low	5 - 10 feet	Tall Shrub	
	White Oak	20	Pole/Sapling	5	34	W	nite Oak	Medium	5 - 10 feet	Sapling	
108	4124 - Red v	with White (Dak 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	I Age	Sub-Ca	nopy Species	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
	Red Maple	10	Pole/Log	9		R	ed Oak	Low	>20 feet	Pole	range. Some white pine understory present and may fill in more or may
	Red Oak	45	Log/Pole	14	117	W	nite Oak	Low	>20 feet	Pole	just create a new age from red maple sprouts. Bike trails through stand.
	White Oak	40	Log/Pole	14	117	Re	d Maple	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.
	Bigtooth Aspen	5	Log	12		WI	nite Pine	Low	Variable	Sapling	
110		ne, Oak Mi		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	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	overstocked but it would be difficult to thin without damaging residual due
	White Oak	20	Log/Pole	13			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 Oak	20	Log/Pole/XLog	15	99						
	Red Maple	5	Pole	8							

Report 7 – Stands

Compartment: 43 Year of Entry: 2026

DRR MICHIGAN

tand	d Level 4 C	51			-	Acres	Stand Age B		Managed S		General Comments
11	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
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	pole and small log size. Decent stocking. Let stand grow in.
	Bigtooth Aspen	70	Sapling	4	26	Wł	nite Pine	Low	< 5 feet	Sapling	
	Red Maple	3	Sapling	4	26						
	Red Oak	10	Sapling	4	26						
	White Oak	5	Sapling	4	26						
	White Pine	10	Pole	8	51						
	Black Cherry	2	Sapling	4							
112	3302 - Low Der	nsity Conife	r Trees	Nonst	ocked	1.2	U	nspecified	No		Frost pocket. Rabbit scat (hare).
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blac	ck Cherry	Low		Pole	
						Cladonia (Reindeer moss) Low		Non-Wood	
						Blueberry/B	ilberry/Cranber	ry Low		Tall Shrub	
						Sw	eet Fern	Low		Tall Shrub	
						Pove	erty Grass	Low		Non-Wood	
						Oa	ak (spp.)	Low		Pole	
						1.144	Bluestem	Trace		Non Wood	
						Little	Diuestern	Trace		Non-Wood	
							ck Pine	Low		Pole	
						Ja					
113	4124 - Red	with White (Dak	Sawtimb	er Poo	Ja Wł	ck Pine	Low	N/A	Pole	2023: Barrens management effort abandoned after 1 burn due to WL
113	4124 - Red v Canopy Species		Dak Size Class		er Poo	Ja Wł pr 148.0	ck Pine hite Pine	Low Low	N/A Avg. Height	Pole	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area
113						Ja Wł or 148.0 Sub-Ca	ck Pine hite Pine 109	Low Low 1-50		Pole Pole	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species	% Cover	Size Class	DBH	l Age	Ja Wł or 148.0 Sub-Ca R	ck Pine hite Pine 109 nopy Species	Low Low 1-50 Density	Avg. Height	Pole Pole Size	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species Red Oak	% Cover 40	Size Class Log/Pole	DBH 14	H Age 109	Ja Wł or 148.0 Sub-Ca R Wit	ck Pine nite Pine 109 nopy Species ed Oak	Low Low 1-50 Density Low	Avg. Height 5 - 10 feet	Pole Pole Size Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species Red Oak White Oak	% Cover 40 50	Size Class Log/Pole Log/Pole	DBH 14 14	H Age 109	Ja Wł or 148.0 Sub-Ca R Wit Wit	ck Pine nite Pine 109 nopy Species ed Oak ch Hazel	Low Low 1-50 Density Low Low	Avg. Height 5 - 10 feet 5 - 10 feet	Pole Pole Size Sapling Tall Shrub	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species Red Oak White Oak White Pine	% Cover 40 50 5	Size Class Log/Pole Log/Pole Pole	DBH 14 14 10	H Age 109	Ja Wh or 148.0 Sub-Ca R Wit Wit Re	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak	Low Low 1-50 Density Low Low Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet	Pole Pole Size Sapling Tall Shrub Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species Red Oak White Oak White Pine	% Cover 40 50 5	Size Class Log/Pole Log/Pole Pole	DBH 14 14 10	H Age 109	Ja Wł or 148.0 Sub-Ca R Wit Wit Wł Wł Wł	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple	Low Low 1-50 Density Low Low Medium Medium	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Pole Pole Size Sapling Tall Shrub Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species Red Oak White Oak White Pine	% Cover 40 50 5	Size Class Log/Pole Log/Pole Pole	DBH 14 14 10	H Age 109	Ja Wł or 148.0 Sub-Ca R Wit Wit Wł Wł Wł Wł Wł Wł Wł Wł Wł Wł Wł Wł Wł	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ting Aspen	Low Low 1-50 Density Low Low Medium Medium Low	Avg. Height 5 - 10 feet 5 - 10 feet	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WLI priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and
113	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla	% Cover 40 50 5 5	Size Class Log/Pole Log/Pole Log	DBH 14 14 10	I Age 109 109	Ja Wh or 148.0 Sub-Ca R Wit Wit Wh Re Quak Bigto Wh	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ing Aspen oth Aspen hite Pine	Low Low I-50 Density Low Low Medium Medium Low	Avg. Height 5 - 10 feet 10 - 20 feet	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.
	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla	% Cover 40 50 5 5 5 5	Size Class Log/Pole Pole Log Log	DBH 14 14 10 12 Sawtimb	H Age 109 109	Ja Wł Or 148.0 Sub-Ca R Wit Wł Re Quak Bigto Wł Wł	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ing Aspen oth Aspen hite Pine	Low Low Density Low Low Medium Medium Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.
	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla	% Cover 40 50 5 5 5 5	Size Class Log/Pole Log/Pole Log	DBI 14 14 10 12 Sawtimb	H Age 109 109	Ja Wł Or 148.0 Sub-Ca R Wit Wł Re Quak Bigto Wł 24.6 Sub-Ca	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ting Aspen oth Aspen hite Pine 99	Low Low Density Low Low Medium Medium Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet N/A	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.
	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla Canopy Species	% Cover 40 50 5 5 5 5	Size Class Log/Pole Pole Log Log	DBH 14 14 10 12 Sawtimb	H Age 109 109 Der We	Ja Wł Or 148.0 Sub-Ca R Wit Wł Re Quak Bigto Wł 24.6 Sub-Ca	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ting Aspen oth Aspen hite Pine 99 nopy Species	Low Low Density Low Low Medium Medium Low Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.
	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla Co Canopy Species Bigtooth Aspen	Kover 40 50 5 5 5 5	Size Class Log/Pole Pole Log	DBI 14 14 10 12	H Age 109 109 Der We	Ja Wł Or 148.0 Sub-Ca R Wit Wł Re Quak Bigto Wł 24.6 Sub-Ca	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ting Aspen oth Aspen hite Pine 99 nopy Species	Low Low Density Low Low Medium Medium Low Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.
	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla Co Canopy Species Bigtooth Aspen White Pine	% Cover 40 50 5 5 and Decidue onifer % Cover 15 20	Size Class Log/Pole Pole Log Size Class Log Log/Pole	DBI 14 10 12 Sawtimb DBI 12 12	H Age 109 109 Der We	Ja Wł Or 148.0 Sub-Ca R Wit Wł Re Quak Bigto Wł 24.6 Sub-Ca	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ting Aspen oth Aspen hite Pine 99 nopy Species	Low Low Density Low Low Medium Medium Low Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.
	Canopy Species Red Oak White Oak White Pine Red Pine 4191 - Mixed Upla Cators Bigtooth Aspen White Pine Red Maple	K Cover 40 50 5 5 and Decidure onifer 15 20 5	Size Class Log/Pole Pole Log Cous with Size Class Log Log/Pole	DBI 14 10 12 Sawtimt DBI 12	Age 109 109 000 000 109 000 109 000 109 99	Ja Wł Or 148.0 Sub-Ca R Wit Wł Re Quak Bigto Wł 24.6 Sub-Ca	ck Pine hite Pine 109 nopy Species ed Oak ch Hazel hite Oak d Maple ting Aspen oth Aspen hite Pine 99 nopy Species	Low Low Density Low Low Medium Medium Low Low Low Low	Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet N/A Avg. Height	Pole Pole Size Sapling Tall Shrub Sapling Sapling Sapling Sapling Sapling	2023: Barrens management effort abandoned after 1 burn due to WL priorities. Burn stimulated oak sprouts resulting in oak thickets in area Some pockets of aspen regeneration. Some areas have mainly RM sprouts. Some areas remain open in understory. Remaining oak and pine canopy 1-50 ba. Let stand develop.

Traverse	City	Mgt.	Unit
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Stand	d Level 4 Co	over Type		Size Dens	ity Acre	s Stand Age E	BA Range	Managed S	Site	General Comments
115	330 - Low-I	Density Tr	ees	Nonstock	ed 5.9	U	Jnspecified	No		
116	3105 - Mixed Up	pland Hert	paceous	Nonstock	ed 1.7	ι	Jnspecified	No		2024: Low density trees around small pond. 2014: Old stumps, asper
					Sub-	Canopy Species	Density	Avg. Height	Size	creeping in. One white pine.
					Cladoni	a (Reindeer moss	s) Trace		Non-Wood	
					A	spen (spp.)	Low		Pole	
					1	Willow spp.	Trace			
						lack Cherry	Low		Pole	
					Blueberry	//Bilberry/Cranbe	rry Trace		Tall Shrub	
						Oak (spp.)	Trace		Log	
					P	overty Grass	Medium		Non-Wood	
					B	racken Fern	Medium		Non-Wood	
					:	Sweet Fern	Low		Tall Shrub	
117	500 -	Water		Nonstock	ed 23.7	U	Jnspecified	No		strombolis lake
18	4126 - White, E			awtimber			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 a
	Canopy Species		r Size Class	DBH A		Canopy Species		Avg. Height	Size	red maple grown in through the old large-crowned trees. WP and oak
	Red Oak	30	XLog/Log/Pole			White Oak	Low	< 5 feet		seedling/sapling layer and age class under. Timber sale was attempte on this stand but not sold. It was to remove some of the old large-
	White Oak	40	XLog/Log/Pole		19	Red Oak	Low	< 5 feet	Caping	crowned trees and poor formed trees. Fine that it didn't sell as this is
	White Pine	15	Log/Pole/XLog			White 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 re pine.
	Bigtooth Aspen	5	Log Log/Pole	14 8 15	39					pine.
	Rod Dino	5		15						
	Red Pine	5								
19			C	awtimber	Well 8.6	75	111-140	N/A		2023: Mixes stand in west end and heavier aspen to east. Slope around
19			Pine S	awtimber DBH A		75 Canopy Species		N/A Avg. Height	Size	2023: Mixes stand in west end and heavier aspen to east. Slope around Lake. 2014: Mature bigtooth aspen clone. on steep riparian area.
19	4133 - Aspe	n, Mixed I	Pine S		ge Sub-				Size Sapling	
19	4133 - Aspe Canopy Species	n, Mixed I % Cove	Pine S r Size Class	DBH A	ge Sub-	Canopy Species	Density	Avg. Height		
19	4133 - Aspe Canopy Species Red Maple	n, Mixed I % Cove 5	Pine S r Size Class Pole	DBH A 8 12 12 12	ge Sub-	Canopy Species White Pine	Density Low	Avg. Height Variable	Sapling	
119	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak	n, Mixed I % Cove 5 10	Pine S r Size Class Pole Log/Pole	DBH A 8 12 12 12 12 12	ge Sub-	Canopy Species White Pine	Density Low	Avg. Height Variable	Sapling	
119	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak Red Oak	n, Mixed I % Cove 5 10 65 5 5 5	Pine S r Size Class Pole Log/Pole Log	DBH A 8 12 12 12 12 12 13 13	ge Sub-	Canopy Species White Pine	Density Low	Avg. Height Variable	Sapling	
119	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak	n, Mixed I % Cove 5 10 65 5	Pine S r Size Class Pole Log/Pole Log Log	DBH A 8 12 12 12 12 12	ge Sub-	Canopy Species White Pine	Density Low	Avg. Height Variable	Sapling	
	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak Red Oak Jack Pine	n, Mixed I % Cove 5 10 65 5 5 5	Pine S r Size Class Pole Log/Pole Log Log Log/Pole Pole/Log	DBH A 8 12 12 12 12 12 13 13	ge Sub- 75 ed 1.5	Canopy Species White Pine Red Maple	Jnspecified	Avg. Height Variable >20 feet	Sapling Sapling	
	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak Red Oak Jack Pine	en, Mixed I % Cove 5 10 65 5 5 5 10	Pine S r Size Class Pole Log/Pole Log Log Log/Pole Pole/Log	DBH A 8 12 12 12 14 13 9 9	ge Sub- 75 ed 1.5 Sub-	Canopy Species White Pine Red Maple U Canopy Species	Density Low Medium	Avg. Height Variable >20 feet	Sapling Sapling Size	Lake. 2014: : Mature bigtooth aspen clone. on steep riparian area.
	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak Red Oak Jack Pine	en, Mixed I % Cove 5 10 65 5 5 5 10	Pine S r Size Class Pole Log/Pole Log Log Log/Pole Pole/Log	DBH A 8 12 12 12 14 13 9 9	ge Sub-1	Canopy Species White Pine Red Maple U Canopy Species Sweet Fern	Density Low Medium Jnspecified	Avg. Height Variable >20 feet	Sapling Sapling Size Tall Shrub	Lake. 2014: : Mature bigtooth aspen clone. on steep riparian area.
119	4133 - Aspe Canopy Species Red Maple White Pine Bigtooth Aspen White Oak Red Oak Jack Pine	en, Mixed I % Cove 5 10 65 5 5 5 10	Pine S r Size Class Pole Log/Pole Log Log Log/Pole Pole/Log	DBH A 8 12 12 12 14 13 9 9	ge Sub- 75 ed 1.5 Sub- 8 B	Canopy Species White Pine Red Maple U Canopy Species	Density Low Medium	Avg. Height Variable >20 feet	Sapling Sapling Size	Lake. 2014: : Mature bigtooth aspen clone. on steep riparian area.

Report 7 – Stands

Stand	d Level 4 C	Level 4 Cover Type Size Density		nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments	
121	500	- Water		Nonsto	cked	10.5	I	Unspecified	No		ponds,.
122	3205 - Mixee	d Upland Sh	nrub	Nonsto	cked	2.1	l	Unspecified	No		old well pad
					Γ	Sub-Ca	nopy Species	s Density	Avg. Height	Size	
					-	Brac	cken Fern	Medium		Non-Wood	t
						Sw	eet Fern	Low		Tall Shrub	
						Oa	ik (spp.)	Low		Sapling	
						Autu	Imn Olive	Medium		Tall Shrub	
						Ja	ck Pine	Low		Sapling	
					-	Mixe	d Grasses	Low		Non-Wood	*
123	6239 - Mixed E	Emergent W	etland	Nonsto	cked	1.4	l	Unspecified	No		2024: Low wet area.
124	4129 -	Mixed Oak	:	Sawtimb	er Well	21.3	99	111-140	N/A		2024: Mixed sizes of lower quality oak with RM and pine. Some WP
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species Densi		s Density	Avg. Height	Size	saplings and seedlings in gaps. Not interesting. New acquisition 2014. Ground has a moderate slope. Most of it would be workable. Mixed oak
	Bigtooth Aspen	5	Log	12		Re	d Maple	Low	< 5 feet	Sapling	with aspen, rm and pine. Aspen is clonal but also scattered individually in
	Red Oak	35	Log/Pole	14	99	Wł	nite Pine	Low	Variable	Sapling	parts of stand. Some of the red maple in the coves has decent form
	White Oak	30	Log/Pole	14	99					·	and this species is well represented in these areas. The aspen is mature and declining a bit.
	White Pine	8	Log/Pole	14	99						
	Red Maple	20	Pole/Log	9							
	Red Pine	2	Log	14	99						
125	122 - Roa	d/Parking Lo	ot	Nonsto	cked	1.4	l	Unspecified	No		Supply Road
126				Sawtimb			94	81-110	N/A		2023: Generally lower quality log sized oak stand. Ground is rolling.
	Canopy Species	% Cover			Age		nopy Species	s Density	Avg. Height	Size	road burned in 2022. Consider cutting some of the better laying ground
	White Oak	30	Log/Pole	14	89		d Maple	Low	10 - 20 feet	Sapling	and planting to red pine. There is little regeneration occurring in
	Bigtooth Aspen	5	Log/Pole	12	79		nite Pine	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
	Northern Pin Oak	5	Log/Pole	14			ut (Beaked)	Low	5 - 10 feet	Tall Shrub	more log sized than surrounding stands.
	Red Oak	50	Log/Pole	14	94	Oa	ık (spp.)	Low	10 - 20 feet	Sapling	
	Red Maple	10	Pole	8							

Report 7 – Stands

Year of Entry: 2026

tand Level 4 Cover Type			Size Der	nsity	Acres Star	nd Age B	A Range	Managed	Site	General Comments	
27	4191 - Mixed Up C	land Decidu onifer	ous with	Sawtimbe	er Well	I 33.4 1	09	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 thir
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy	Species	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 most
No	orthern Pin Oak	8	Log	14		Red Ma	ple	Low	>20 feet	Sapling	RM. Green mark some well-formed RM for retention. Final Basal area
	Red Pine	10	Log	14		White P	ine	Medium	Variable	Sapling	may be 40-80 range depending on quality. Adjacent stand has not
	Jack Pine	2	Pole	8		Jack Pi	ne	Low	>20 feet	Sapling	developed much understory but there is an unusual amount of natural re-
	Red Oak	25	Log	13	109	White C	Dak	Low	>20 feet	Pole	pine. Keep some scattered RP for seed. Access road from supply road across powerline. White pine is trying to form in understory in areas but
	White Oak	20	Log/Pole	12		Red Pir	ne	Low	>20 feet	Sapling	spindly and broken. Decent quality small logs and poles. Keep most
В	Bigtooth Aspen	10	Log	14	89						pine in stand and mark through red maple with the oak. 2014: Oak/pine
	Red Maple	10	Pole	8	59						maple/aspen. Good pine component with older pine scattered around. Oak is average with a good bit of big wolfy crowns. Aspen is old and
	White Pine	15	Log	12							declining. WP regen is thick in places.
28	3301 - Low Dens	sity Deciduo	us Trees	Nonsto	cked	1.0	Ui	nspecified	No		
						Sub-Canopy	Species	Density	Avg. Height	Size	
						Cladonia (Reinc	deer moss)	Low		Non-Wood	
						Bracken I	Fern	Medium		Non-Wood	
						Oak (sp	p.)	Low		Pole	
						Poverty G	Grass	Medium		Non-Wood	
						Blueberry/Bilberr	y/Cranber	y Low		Tall Shrub	
						Black Ch	erry	Low		Pole	
29	310 - Herba	ceous Open	land	Nonsto	cked	2.5	Ui	nspecified	No		2024: Abandoned wells site.
30	122 - Roa	ld/Parking L	ot	Nonsto	cked	1.3	Uı	nspecified	No		Supply Road
31	4126 - White,	Black, N. Pi	n Oak	Sawtimbe	er Well	I 57.6 1	10	51-80	N/A		2025: Not a lot of new under -story forming after last harvest. Some RP
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy	Species	Density	Avg. Height	Size	seedlings along with vigorous RM sprouts and a little aspen. Light WP regeneration. Let stand develop. TS# 082-06. Completed 12/15/10.
No	orthern Pin Oak	10	Pole/Log	10		Bigtooth A	spen	Low	10 - 20 feet	Sapling	Combination of crop tree release and understory release for white pine.
	White Pine	5	Pole/Log	8		Red Ma	ple	Medium	10 - 20 feet	Sapling	Cut all rm, aspen and orange marked.
	Red Pine	3	Log/Pole	10		Red Pir	ne	Low	< 5 feet	Sapling	
	White Oak	47	Log	12	110	White P	ine	Low	Variable	Sapling	
	Red Oak	35	Log/Pole	12		L				-	1

Report 7 – Stands



NATUR

		se ony mg	jt. Unit								Year of Entry: 2026
Stand	Level 4 C	over Type		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-Car	opy Species	Density	Avg. Height	Size	
						Blac	k Cherry	Medium		Pole	
						Brac	ken Fern	Low		Non-Wood	
						Red	d Maple	Trace		Sapling	-
						Swe	et Fern	Low		Tall Shrub	
						Pove	rty Grass	Low		Non-Wood	
						Jao	k Pine	Medium		Pole	
						Little	Bluestem	Medium		Non-Wood	
						Re	d Pine	Low		Log	
133	4131 - A	spen, Oak	I	Poletimb		6.8	44	81-110	N/A		2024: Mixed size of oak retention scattered through aspen poles. Heavier residual oak in places. Let stand grow in. 2014; Young aspen
C	anopy Species	% Cover	Size Class	DBH	H Age	Sub-Car	opy Species	Density	Avg. Height	Size	regen
	Red Oak	5	Pole	8		Wh	ite Oak	Low	10 - 20 feet	Sapling	
	White Oak	20	Log/Pole	10		Blac	k Cherry	Low	10 - 20 feet	Sapling	
	White Pine	3	Pole	8							
			1 010								
	Red Maple	2	Pole	6							
	Red Maple gtooth Aspen	2 70			44						
Bi		70	Pole Pole	6 7 Sawtimb	per Well	22.6	108	111-140	N/A		2024: Oak flat. Could be lightly thinned. Would be an easy sale to set u
ві 134	gtooth Aspen	70	Pole Pole in Oak	6 7 Sawtimb	oer Well I Age		108 hopy Species	111-140 Density	N/A Avg. Height	Size	by removing poor quality and larger oak. May be able to develop some
Bi 134 C	igtooth Aspen 4126 - White, I	70 Black, N. Pi	Pole Pole in Oak	6 7 Sawtimb	ber Well H Age	Sub-Car		-		Size Sapling	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory
Bi 134 C	gtooth Aspen 4126 - White, I anopy Species	70 Black, N. Pi % Cover 60 25	Pole Pole in Oak Size Class	6 7 Sawtimb	ber Well I Age 108	Sub-Car	opy Species	Density	Avg. Height		by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi
Bi 134 C	gtooth Aspen 4126 - White, I anopy Species White Oak	70 Black, N. Pi % Cover 60	Pole Pole in Oak Size Class Log/Pole	6 7 Sawtimb DBH	ber Well I Age 108	Sub-Car	opy Species	Density	Avg. Height		by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems.
Bi 134 C	4126 - White, I anopy Species White Oak Red Oak	70 Black, N. Pi % Cover 60 25	Pole Pole in Oak Size Class Log/Pole Log/XLog	6 7 Sawtimb DBH 12 15	ber Well I Age 108	Sub-Car	opy Species	Density	Avg. Height		by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace
Bi 134 C	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak	70 Black, N. Pi % Cover 60 25 10	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole	6 7 Sawtimb DBH 12 15 12	ber Well I Age 108	Sub-Car	opy Species	Density	Avg. Height		by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems.
Bi 134 C No	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb DBH 12 15 12	ber Well 1 Age 108 108	Sub-Car	ite Pine	Density	Avg. Height		by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn.
Bi 34 	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8	ite Pine	Density Low	Avg. Height Variable		by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand.
Bi 34 	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8 Sub-Car	ite Pine	Density Low	Avg. Height Variable No	Sapling	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn. Possibly not enough continuous fuels. This is a cold air drainage with
Bi 134 C No	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8 Sub-Car Oa	opy Species ite Pine U opy Species	Density Low	Avg. Height Variable No	Sapling	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownershi Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn. Possibly not enough continuous fuels. This is a cold air drainage with minor aspen encroachment and evidence of an old burn. Has low spots
Bi 134 C No	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8 Sub-Car Oal Mixeo	U uopy Species U uopy Species k (spp.)	Density Low	Avg. Height Variable No	Sapling Size Pole	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownersh Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn. Possibly not enough continuous fuels. This is a cold air drainage with minor aspen encroachment and evidence of an old burn. Has low spots
Bi 34 	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8 Sub-Car Oa Mixeo Blac	U uppy Species U uppy Species k (spp.) I Grasses	Density Low nspecified Density Low Medium	Avg. Height Variable No	Sapling Size Pole Non-Wood	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownersh Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn. Possibly not enough continuous fuels. This is a cold air drainage with minor aspen encroachment and evidence of an old burn. Has low spots that are probably seasonally flooded and there is evidence of mudrunne
Bi 134 C No	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8 Sub-Car Oa Mixeo Blac St. Jo	U opy Species ite Pine U opy Species k (spp.) I Grasses k Cherry	Density Low Density Density Low Medium Low	Avg. Height Variable No	Sapling Size Pole Non-Wood Pole	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownersh Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn. Possibly not enough continuous fuels. This is a cold air drainage with minor aspen encroachment and evidence of an old burn. Has low spots that are probably seasonally flooded and there is evidence of mudrunne
Bi 134 C	gtooth Aspen 4126 - White, I canopy Species White Oak Red Oak rthern Pin Oak Red Maple	70 Black, N. Pi % Cover 60 25 10 5	Pole Pole in Oak Size Class Log/Pole Log/XLog Log/Pole Pole	6 7 Sawtimb 12 15 12 8	ber Well 1 Age 108 108	Sub-Car Wh 3.8 Sub-Car Oa Mixeo Blac St. Jo Little	U U U U U D D D D D D D D D D D D D	Density Low Density Density Low Medium Low Low	Avg. Height Variable No	Sapling Size Pole Non-Wood Pole Non-Wood	by removing poor quality and larger oak. May be able to develop some understory by removing some mid canopy trees. May not be enough volume to be an attractive commercial harvest. Little understory formation. Stand has been thinned in the past while in private ownersh Generally moderate quality trees. Some well-formed white oak stems. Red oak is larger but lower quality. As ground lays well, this may be a good place to clear and plant red pine in future. May want to let adjace young stand grow in. Could plant stand 129 with this when the time comes. 2014: New acquisition. Lower quality oak stand. 2014: WLD Lots of grass species. Low to Medioumpriority burn. Possibly not enough continuous fuels. This is a cold air drainage with minor aspen encroachment and evidence of an old burn. Has low spots that are probably seasonally flooded and there is evidence of mudrunne

Compartment: 43

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DNR MICHIGAN

and Level 4 (Cover Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
36 4126 - White,	Black, N. Pi	n Oak	Sawtim	ber Well	20.4	104	51-80	N/A		2024: Mixed lower quality oak logs. and poles. Not much regeneration
Canopy Species	% Cover	Size Class	DBI	H 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. Le
White Oak	57	Log/Pole	12	104	Wł	hite Oak	Low	5 - 10 feet	Sapling	stand develop.
Red Oak	27	Log/Pole	13	104	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	
Northern Pin Oak	10	Log/Pole	12		R	ed Oak	Low	5 - 10 feet	Sapling	
Bigtooth Aspen	1	Pole	6		Re	d Maple	Low	5 - 10 feet	Sapling	-
White Pine	5	Log/Pole	10		Bigto	oth Aspen	Medium	>20 feet	Sapling	
51	Oak, Pine			ber Well	64.5	124	111-140	N/A		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
Canopy Species	% Cover	Size Class		H Age		nopy Species	Density	Avg. Height	Size	in. There are some well-formed trees in the pole-XL size. The stand has
Red Oak	15	XLog/Log				d Maple	Medium	10 - 20 feet	Sapling	a White Pine component and some RP. Pine looks well suited to site, but
White Oak	30	XLog/Log				hite Oak	Medium	10 - 20 feet	Sapling	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 lot c
Bigtooth Aspen	5	Log	14		Wł	nite Pine	Medium	10 - 20 feet	Sapling	wp filling in. Not confident that pine would fill this stand naturally. Could
Northern Pin Oak	15	XLog/Log			Re	ed Pine	Low	10 - 20 feet	Sapling	green mark the better formed oak in pole-XL sizes and cut the rest dowr
White Pine	20	Log/Pole	12		R	ed Oak	Medium	10 - 20 feet	Sapling	to 2" dbh. A lot of the advanced regeneration seems of poor form and would be better off re-sprouted. Could keep most of the pine but remove
Jack Pine	5	Pole	8							a lot of the older large wp. Keep most RP as there is not much. The
Red Pine	10	Log	16	94						stand would likely go to a oak/pine mix. Large wolfy oak may be a
										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 advancing. Not a lot of wp under. Stand is challenging. New sub- division 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 ar dropping out. Heavier aspen stocking on south and east of two track road.

138	4131 - Aspen, Oak			Poletimb	er Well	35.1	56	111-140	N/A	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Specie	es Density	Avg. Height	Size
	White Oak	10	Log/Pole	10		Blac	< Cherry	Low	10 - 20 feet	Sapling
	White Pine	2	Pole	7		Rec	I Maple	Low	10 - 20 feet	Sapling
	Red Pine	2	Pole	8		Re	d Oak	Low	10 - 20 feet	Sapling
	Red Maple	2	Pole	5		Wh	te Oak	Low	10 - 20 feet	Sapling
	Black Cherry	2	Pole	8		Whi	te Pine	Low	Variable	Sapling
	Red Oak	10	Log/Pole	10				·		
	Bigtooth Aspen	72	Pole/Log	8	56					

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.

Compartment: 43

DNR

Stand	Level 4 Co	over Type		Size De	nsity	Acres Stand Age B	A Range	Managed	Site	General Comments
139	3105 - Mixed Up	pland Herb	aceous	Nonsto	ocked	1.3 Ur	specified	No		2024: There is a mixed emergent wetland located at the south portion of
						Sub-Canopy Species	Density	Avg. Height	Size	the this stand. This wetland consists of mixed grasses, bracken fern, willow, iris, silverleaf, tussock sedge, and aspen.
						Serviceberry (Juneberry)	Medium			
						Blueberry/Bilberry/Cranberr	y Trace		Tall Shrub	
						St. Johns Wort	Trace		Non-Wood	
						Little Bluestem	Trace		Non-Wood	
						Black Cherry	Low		Pole	
						Sweet Fern	Low		Tall Shrub	
						Oak (spp.)	Trace		Log	
						Poverty Grass	Medium		Non-Wood	
						Cladonia (Reindeer moss)	Trace		Non-Wood	
						Aspen (spp.)	Trace		Sapling	
						Bracken Fern	Low		Non-Wood	
						Jack Pine	Trace		Log	
140	4126 - White, E	Black, N. Pi	in Oak S	awtimber	. Mediu	um 46.0 119	51-80	N/A		2023: Good aspen regen in areas after harvest along with red maple
	Conony English	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	sprouts. Aspen sprouts have been getting browsed heavily but some is
	Canopy Species		Size Class		Aye	Sub-Callopy Species	Density	Avg. norgin	0.20	advancing. Light wo regen after narvest. Let stand develop. 2018. Stand
	Red Maple	10	Pole	8	Aye	White Pine	Low	Variable	Sapling	advancing. Light wp regen after harvest. Let stand develop. 2018: Stand harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed
					75		-			harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak
	Red Maple	10	Pole	8		White Pine	Low	Variable	Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some
	Red Maple White Pine	10 10	Pole Log/Pole	8 12	75	White Pine Bigtooth Aspen	Low Medium	Variable 5 - 10 feet	Sapling Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory.
	Red Maple White Pine Red Pine	10 10 10	Pole Log/Pole Log/Pole	8 12 14	75 75	White Pine Bigtooth Aspen Red Maple	Low Medium Medium	Variable 5 - 10 feet 5 - 10 feet	Sapling Sapling Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered around. Mixed oak sizes some bigger wolfy crowns but most is log/pole
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak	Low Medium Medium Low Low	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet	Sapling Sapling Sapling Sapling Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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.
	Red Maple White Pine Red Pine White Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak	Low Medium Low Low	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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
141	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak	Low Medium Medium Low Low	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet	Sapling Sapling Sapling Sapling Sapling	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern	Low Medium Medium Low Low Aspecified Density Medium	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Non-Wood	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry	Low Medium Medium Low Low Density Medium Low	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Non-Wood Pole	 harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry Sweet Fern	Low Medium Low Low Density Medium Low Low	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Non-Wood Pole Tall Shrub	 harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry Sweet Fern Aspen (spp.)	Low Medium Medium Low Low Density Medium Low Low	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Non-Wood Pole Tall Shrub	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry Sweet Fern Aspen (spp.) Blueberry/Bilberry/Cranberr	 Low Medium Medium Low Low Besecified Density Medium Low Low Low y Trace	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub Pole Tall Shrub	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry Sweet Fern Aspen (spp.) Blueberry/Bilberry/Cranberr Poverty Grass	Low Medium Medium Low Low Density Medium Low Low Low y Trace Medium	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub Pole Tall Shrub Non-Wood	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry Sweet Fern Aspen (spp.) Blueberry/Bilberry/Cranberr Poverty Grass Oak (spp.)	 Low Medium Medium Low Low Becified Bensity Medium Low Low Vensity Medium Low Yeine Trace Medium Trace Medium Trace	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub Pole Tall Shrub Non-Wood Non-Wood	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.
	Red Maple White Pine Red Pine White Oak Red Oak	10 10 10 40 30	Pole Log/Pole Log/Pole Log Log	8 12 14 12 12 12	75 75 119 119	White Pine Bigtooth Aspen Red Maple Red Oak White Oak 1.8 Ur Sub-Canopy Species Bracken Fern Black Cherry Sweet Fern Aspen (spp.) Blueberry/Bilberry/Cranberr Poverty Grass	Low Medium Medium Low Low Density Medium Low Low Low y Trace Medium	Variable 5 - 10 feet 5 - 10 feet < 5 feet < 5 feet No	Sapling Sapling Sapling Sapling Sapling Sapling Sapling Tall Shrub Pole Tall Shrub Non-Wood	harvested 2018.: TS 61 02016. Cut orange marked and aspen. Plowed oak wilt pocket in SE part of stand along private line had all red oak removed. Removed poor formed trees and larger wolfy oak. Some aspen clones harvested. Attempted to retain existing wp understory. 2014: Oak with scattered red and white pine. Some large wp scattered 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. 2024: Low density trees around small pond. 2014: Old stumps, aspen creeping in. One white pine.

Report 7 – Stands

Compartment: 43 Year of Entry: 2026

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Stand	Level 4 Cover Type	Size Density	Acres Stand Age B	A Range	Managed	Site	General Comments	
142	3101 - Poverty Grass, Cladonia	Nonstocked	8.5 Ur	nspecified	No		2023: Low density trees. ORV intrusion. May want to look at limiting	
			Sub-Canopy Species	Density	Avg. Height	Size	access. 2014WLD Occasional clone of mature aspen (some mortality This is another cold air drainage valley. Could do some saw work.	
			Poverty Grass	Full		Non-Wood		
			Black Cherry	Low		Pole		
			Little Bluestem	Medium		Non-Wood		
			Aspen (spp.)	Low		Pole		
			Oak (spp.)	Low		Pole		
			Sweet Fern	Low		Tall Shrub		
143	310 - Herbaceous Openland	Nonstocked	12.7 Ur	nspecified	No		Active oil and gas facility.	
44	500 - Water	Nonstocked	3.8 Ur	nspecified	No		2024: Pond 2014: small pond with varying perimeter of upland/lowland	
			Sub-Canopy Species	Density	Avg. Height	Size	ecotone. Lots of frogs. Several unidentified wildflowers along perimeter	
			Waterlillies	Low		Non-Wood		
			Sedges	Low		Non-Wood		
			Rushes	Low		Non-Wood		
			Mixed Grasses	Low		Non-Wood		
145	3105 - Mixed Upland Herbaceous	Nonstocked	13.6 Ur	nspecified	No		2024: Low density trees in frost pocket. BC, Oak. Some areas near	
			Sub-Canopy Species	Density	Avg. Height	Size	forested 2004:Frost pocket. Nice mix of natural cover, browse, and had and soft mast.	
			Serviceberry (Juneberry)	Trace				
			Black Cherry	Low		Pole		
			Bracken Fern	Medium		Non-Wood		
			Spotted Knapweed	Trace		Non-Wood		
			Blueberry/Bilberry/Cranberr	y Trace		Tall Shrub		
			Sweet Fern	Low		Tall Shrub		
			Oak (spp.)	Low		Pole		
			Mixed Grasses	Medium		Non-Wood		
			St. Johns Wort	Trace		Non-Wood		
			Red Maple	Trace		Pole		
146	42111 - Planted Red Pine, Mixed Deciduous	Sapling Poor	43.4 6 lr	nmature	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 survivin and pine. 2019: December 2019: December 2019: CTC	
	Canopy Species % Cover Size C	lass 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	
	Black Cherry 10 Sap	•					red pine spring 2018. Trenched 2017. TS# 036-16. Cut all but green	
	White Oak 5 Sap	ling 1 6					marked retention. Trench and plant red pine after harvest. Trenched	
	Red Maple 5 Sap	ling 1 6					2017. Should plant spring 2018. May need herbicide to control red maple. 2004:Some pockets of pole sized oak and then patches of	
E	Bigtooth Aspen 5 Sap	ling 1 6					larger log size 2014: Some old wolfy oak but the rest is mixed diameter	
	Red Oak 5 Sap	ling 1 6					with variable stocking. Most is poor quality. Some better oak and	
	White Pine 5 Sap	ling 1					stocking on NE part of stand. Consider retaining a few oak and pine and chipping stand/trenching and planting red pine.	

Report 7 – Stands



NATUR

Stand	Level 4 C	over Type		Size De	ensity	Acres	Stand Age	Stand Age BA Range		Site	General Comments		
147	3104 -	Degraded		Nonsto	ocked	1.6	ι	Unspecified	No		2024: Well pad seems to be abandoned. revegetate		
						Sub-Ca	nopy Species	s Density	Avg. Height	Size			
						Little	Bluestem	Trace		Non-Wood	d		
						Brad	cken Fern	Low		Non-Wood	d		
						Bla	ck Cherry	Trace		Sapling			
						Spotte	d Knapweed	High		Non-Wood	d)		
						Bigto	oth Aspen	Trace		Seeding			
						Sw	eet Fern	Low		Tall Shru	b		
148	310 - Herbac	eous Openl	and	Nonsto	ocked	1.8	ι	Unspecified	No		2024: Active oil and gas facility		
149	4310 - Pi	ne, Oak Mix		Sapling	g Poor	14.8	6	Immature	N/A		2023: Good growth on planted red pine. More oak competition in sour		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	end of stand. Should grow in to nice mixed stand with good red pine component. 20		
	Red Maple	5	Sapling	1		Blueberry/B	ilberry/Cranbe	erry Low	< 5 feet	Tall Shru	b Herbicide treatment for red pine release Sep 2021? This was planned		
	Bigtooth Aspen	5	Sapling	1	6						but not completed? Does not look like it 2018. Planted red pine 2018		
	White Oak	18	Sapling	1	6						2017. Harvested. TS# 085-16. TCR 8/17. Final harvest with scattere oak and pine retained. Next step- trench and plant red pine. Trenched		
	Red Oak	18	Sapling	1							Fall 2017. Planted spring 2018. Oct. 2018 regen check showed 21%		
	White Pine	2	Sapling	1							mortality on planted RP, 46% free to grow. Belt of quaking aspen rege		
	Red Pine	50	Sapling	1	6						along the north edge. Abundant w. oak acorn crop may result in additional oak regen next year, further competing with pine. Can't be		
	Black Cherry	2	Sapling	1							aerial sprayed due to mature retained trees, so a ground herbicide		
											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 the future to diversify the regeneration after the RP have had a chance grow.		
150		ne, Oak Mix		Sapling	-	31.3	15	1-50	N/A		2024: Log sized oak and pine overstory with planted red pine and natu deciduous mix growing in. Called both in canopy Good growth and		
	Canopy Species		Size Class		Age						survival on planted pine.		
	Red Oak White Pine	10 5	Sapling Log	12	15								
	White Pine	3	0	12									
	Red Oak	7	Sapling Log	11	92								
	Red Pine	50	Sapling	1	92 15								
	White Oak	5	1 0	10	92								
			Log	1	92 15								
		5	Sapling	1									
	Bigtooth Aspen	10	Conline	4	4 -								
	White Oak Red Maple	10 5	Sapling Sapling	1	15 15								

	Traver	se City Mg	ıt. Unit				Rep	ort 7 – Sta	ands		Compartment: 43 Year of Entry: 2026
Stand	Level 4 C	over Type	S	ize De	nsity	Acres S	tand Age B	A Range	Managed	Site	General Comments
152	330 - Low-	Density Tre	es	Nonsto	ocked	5.4	U	nspecified	No		2024: Low density trees. BC, Oak, WP
153	4199 - Other Mixe	ed Upland D	Deciduous Sa	awtimb	er Well	5.9	53	81-110	N/A		2024: Large old oak scattered with second age of aspen, oak, rm and w
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	grown in. Some steep areas. Not very interesting. Let stand grow in.
	Red Oak	20	XLog/Log	18	104	White	e Oak	Low	10 - 20 feet	Sapling	
1	Northern Pin Oak	5	Log	14		Red I	Maple	Low	10 - 20 feet	Sapling	
	White Oak	25	Log/Pole/XLog	16	104	Witch	Hazel	Low	10 - 20 feet	Tall Shrub	
	Bigtooth Aspen	35	Pole/Log	9	53	Red	Oak	Low	5 - 10 feet	Sapling	
	Red Maple	15	Pole	8		White	Pine	Medium	10 - 20 feet	Sapling	
154	4131 - A	Aspen, Oak	Po	oletimb	er Wel	7.9	54	51-80	N/A		2024: Mixed up species and ages around depressions. Some steep
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py 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.
	White Pine	5	Pole	8		White	e Pine	Low	>20 feet	Sapling	
	White Oak	10	Log/Pole	12		Black	Cherry	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	50	Pole	7	54						1
1	Northern Pin Oak	15	Log	14							
	Black Cherry	10	Pole	9							
	Red Pine	5	Log/Pole	11	57						
	Jack Pine	2	Log/Pole	10							
	Red Maple	3	Pole	9							
155	3104 -	Degraded		Nonsto	ocked	3.0	U	nspecified	No		2024: Hill climbs out of pit. Needs attention RDR#61043282018008.
						Sub-Cano	py Species	Density	Avg. Height	Size	Need to look at ways to block access and address. 2014: Opening is a small valley, cold air drainage. The sides and some of the center are
						Black	Cherry	Trace		Pole	bare sand with ORV use. Keep as opening but reveg(?), probably very
						Swee	t Fern	Low		Tall Shrub	difficult. Probably leave as is but block ORV use.
						Blackberry	/Raspberry	Trace		Tall Shrub	
						Spotted K	Inapweed	Low		Non-Wood	
							Grasses	Medium		Non-Wood	
						St. Johr	ns Wort	Low		Non-Wood	7
							en Fern	Low		Non-Wood	
156	4126 - White, I	Black, N. Pi	in Oak Sa	awtimb	er Well	4.3	84	51-80	N/A		2023: Stand looks alright. Maintain for small oak island. 2018: TS# 03
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	16. Stand thinned when stand to south was harvested to try to keep a small oak island in this area. Pole size oak stand. Low quality. Little
1	Northern Pin Oak	10	Log/Pole	11	-	Red	Pine	Low	10 - 20 feet	Sapling	sub canopy formation after last harvest.
	Quaking Aspen	2	Pole/Log	8		Red I	Maple	Low	< 5 feet	Sapling	
	Red Maple	11	Pole	8		Red	Oak	Low	< 5 feet	Sapling	
	Red Oak	10	Log/Pole	12	84	White	Pine	Low	10 - 20 feet	Sapling	
				10		14/1-1-	a .		- 4		1

65

2

White Oak

Bigtooth Aspen

10

8

84

White Oak

Log/Pole

Pole/Log

Sapling

< 5 feet

Low

Compartment: 43

Year of Entry: 2026

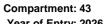
	Level 4 C	over Type	S	ize Der	ısity	Acres Stand Age BA	A Range	Managed	Site	General Comments
58	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	cked	1.4 Un	specified	No		2014: Scattered LBS, one log WP, aspen is dying in a depression,
						Sub-Canopy Species	Density	Avg. Height	Size	possibly a frost pocket. Road from 161 to this stand was once bermed (reclose?). Nice mix.
						Cladonia (Reindeer moss)	Trace		Non-Wood	
						Mixed Grasses	Medium		Non-Wood	
						Bracken Fern	Medium		Non-Wood	
						Oak (spp.)	Low		Sapling	
						St. Johns Wort	Low		Non-Wood	
						Sweet Fern	Trace		Tall Shrub	
						Black Cherry	Low		Log	
						Spotted Knapweed	Trace		Non-Wood	
						Aspen (spp.)	Low		Pole	
						Red Pine	Trace		Log	
59	310 - Herbac	eous Open	land I	Nonsto	cked	3.0 Un	ispecified	No		2024: Poor quality opening on mild slope. Autumn olive. Jp growing i on east side. Stand should be planted if stand 161 is re-started.
60	4131 - A	spen, Oak	Pole	etimber	Mediur	m 50.2 25	51-80	N/A		2024: Pockets of well stocked aspen with good growth. Other areas
C	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	heavier to White Oak, ,Pin Oak, Red Oak. JP. WP. Som older scatte RP/WP in stand. Pockets of JP. Some poor stocked areas. Let stand
	Jack Pine	5	Pole	5		Red Maple	Medium	5 - 10 feet	Sapling	develop.
	White Pine	2	Log/Pole	12		Black Cherry	Low	5 - 10 feet	Sapling	
	Red Pine	1	Log/Pole	12		White Pine	Low	Variable	Sapling	
	Red Oak	3	Sapling	4	25					
	Red Maple	5	Sapling	4						
		52	Pole/Sapling	5	25					
В	Bigtooth Aspen	52								
В	Bigtooth Aspen White Oak	15	Sapling/Pole	4	25					
	0 1		Sapling/Pole Pole/Sapling	4	25					
No	White Oak	15	1 0		25 25					
No	White Oak orthern Pin Oak	15 15 2	Pole/Sapling Sapling	5 4 awtimbe	25 er Well	71.7 73 1	11-140	N/A		2024: Stocking is variable. 127 avg ba. North part of stand (north of
No 1 61	White Oak orthern Pin Oak Black Cherry	15 15 2 nted Red P	Pole/Sapling Sapling	5 4	25 er Well Age	71.7 73 1 Sub-Canopy Species	11-140 Density	N/A Avg. Height	Size	drain) is generally lower stocking and has more advance understory of
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla	15 15 2 nted Red P	Pole/Sapling Sapling ine Sa	5 4 awtimbe	25 er Well					drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba)
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla Canopy Species	15 15 2 nted Red P % Cover	Pole/Sapling Sapling ine Sa Size Class	5 4 awtimbe DBH	25 er Well Age	Sub-Canopy Species	Density	Avg. Height	Size	drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba) release advanced understory of oak, rp. Could include stand 159 if
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla Canopy Species Bigtooth Aspen	15 15 2 nted Red P % Cover 2	Pole/Sapling Sapling ine Sa Size Class Pole	5 4 awtimbe DBH 8	25 er Well Age 25	Sub-Canopy Species Red Maple	Density Low	Avg. Height 10 - 20 feet	Size Sapling	drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba) release advanced understory of oak, rp. Could include stand 159 if planted. Could reduce the stocking in the whole stand and move toward to be stocking in the whole stand and move toward to
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla Canopy Species Bigtooth Aspen Red Pine	15 15 2 Inted Red P Cover 2 92	Pole/Sapling Sapling ine Sa Size Class Pole Log/Pole	5 4 wtimbe DBH 8 12	25 er Well Age 25	Sub-Canopy Species Red Maple White Oak	DensityLowLow	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling	drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba) release advanced understory of oak, rp. Could include stand 159 if planted. Could reduce the stocking in the whole stand and move towa oak and rm. Could hold until adjacent young plantations grow in. As clones (20'+) and advanced oak, rm, bc regen in stand 10-20'. Harve
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla Canopy Species Bigtooth Aspen Red Pine White Oak	15 15 2 Inted Red P % Cover 2 92 2 2	Pole/Sapling Sapling ine Sa Size Class Pole Log/Pole Pole	5 4 awtimbe DBH 8 12 8	25 er Well Age 25 73	Sub-Canopy Species Red Maple White Oak Black Cherry	DensityLowLowLow	Avg. Height 10 - 20 feet 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling	drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba) release advanced understory of oak, rp. Could include stand 159 if planted. Could reduce the stocking in the whole stand and move towa oak and rm. Could hold until adjacent young plantations grow in. As clones (20'+) and advanced oak, rm, bc regen in stand 10-20'. Harve would cause a lot of damage to understory. Advance understory will
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla Canopy Species Bigtooth Aspen Red Pine White Oak Red Maple	15 15 2 Inted Red P % Cover 2 92 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pole/Sapling Sapling ine Sa Size Class Pole Log/Pole Pole Pole	5 4 wtimbe DBH 8 12 8 8 6	25 er Well Age 25 73	Sub-Canopy Species Red Maple White Oak Black Cherry Witch Hazel	DensityLowLowLowLow	Avg. Height 10 - 20 feet	Sapling Sapling Sapling Sapling Tall Shrub	drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba) release advanced understory of oak, rp. Could include stand 159 if planted. Could reduce the stocking in the whole stand and move towa oak and rm. Could hold until adjacent young plantations grow in. As clones (20'+) and advanced oak, rm, bc regen in stand 10-20'. Harve would cause a lot of damage to understory. Advance understory will cause difficulty in trying to replant this stand. May be best to let this
No 1 61 C	White Oak orthern Pin Oak Black Cherry 42110 - Pla Canopy Species Bigtooth Aspen Red Pine White Oak Red Maple	15 15 2 Inted Red P % Cover 2 92 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Pole/Sapling Sapling ine Sa Size Class Pole Log/Pole Pole Pole	5 4 wtimbe DBH 8 12 8 8 6	25 er Well Age 25 73	Sub-Canopy Species Red Maple White Oak Black Cherry Witch Hazel Jack Pine	DensityLowLowLowLowLow	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling Tall Shrub Sapling	drain) is generally lower stocking and has more advance understory oak and rm Vernal pond in east side of drain. Could cut and plant pa south of drain and reduce the RP stocking in the North part (20-40 ba) release advanced understory of oak, rp. Could include stand 159 if planted. Could reduce the stocking in the whole stand and move towa oak and rm. Could hold until adjacent young plantations grow in. As clones (20'+) and advanced oak, rm, bc regen in stand 10-20'. Harve would cause a lot of damage to understory. Advance understory will

Report 7 – Stands

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Year	of	Entry:	2026

and	Level 4 Co	over Type	9	Size De	nsity	Acres Stand Age BA	A Range	Managed	Site	General Comments
62	4191 - Mixed Upla Co	and Decidu onifer	ous with S	awtimb	er Well	13.9 104 ⁻	111-140	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	
	Red Maple	5	Log/Pole	12		Hazelnut (Beaked)	Low	10 - 20 feet	Tall Shrub	
	White Oak	30	Log	14	108	White Oak	Low	10 - 20 feet	Sapling	
	White Pine	30	Log/XLog	15	104	Red Maple	Low	>20 feet	Sapling	
	Red Pine	10	Log	14	104	White Pine	Medium	Variable	Sapling	
	Red Oak	20	Log	15	104	Red Oak	Low	10 - 20 feet	Sapling	
	Bigtooth Aspen	5	Log/XLog	14						1
63	4126 - White, E	Black, N. Pi	n Oak S	awtimb	er Well	8.4 131 ²	111-140	N/A		2024: Mixed sized of oak with white pine poles and saplings growing through. Some large old oak. Nice stand with wp advancing. Let stand
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	grow in. Keep for diversity.
	Red Oak	30	Log/XLog/Pole	9 18		Red Pine	Low	>20 feet	Sapling	
	White Oak	50	Log/Pole	16	131	Red Oak	Low	Variable	Sapling	-
	Bigtooth Aspen	5	Log	13		White Oak	Low	Variable	Sapling	
	White Pine	3	Log/Pole	12		White Pine	Medium	Variable	Sapling	-
Ν	Iorthern Pin Oak	10	Log/XLog/Pole	9 18						-
	Red Pine	2	Log/Pole	12						
64	31022 - Warn	n Season G	Grass	Nonsto	cked	1.3 Ur	nspecified	No		Frost pocket.
						Sub-Canopy Species	Density	Avg. Height	Size	
						Bracken Fern	Trace		Non-Wood	
						Black Cherry	Low		Log	
						Black Cherry Poverty Grass	Low Medium		Log Non-Wood	
					-	,	-		-	
					-	Poverty Grass	Medium Trace		Non-Wood	
					-	Poverty Grass Sweet Fern	Medium Trace		Non-Wood Tall Shrub	

Traverse City Mgt. Unit



Stand	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age	BA Range	Managed	Site	Year of Entry: 2026 General Comments
166	4126 - White,	Black, N. P	Pin Oak Sa	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. Adjacen
	Red Oak	20	Log/Pole/XLog	14	119	W	hite Oak	Low	>20 feet	Pole	stands have filled in with pin oak/white oak. Looks best to CC and plant
(Quaking Aspen	5	Log/Pole	11		Wi	tch Hazel	Low	10 - 20 feet	Tall Shrub	red pine. Leave some scattered oak and white pine. Good bit of large
	White Oak	25	Log/XLog/Pole	15	119	Re	ed Maple	Medium	>20 feet	Pole	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 Pine	15	Log/Pole	13		R	ed Oak	Low	>20 feet	Pole	better as this site index may be a little higher. Could harvest with parts of
N	lorthern Pin Oak	20	Log/XLog	14		R	ed Pine	Low	10 - 20 feet	Sapling	stand to east. Leave the strip along supply rad north of the woods (stand
l	Bigtooth Aspen	10	Log	13	84	W	hite Pine	Medium	Variable	Sapling	168) road for a visual retention area but take the aspen out of this strip t keep it from falling on supply road. Leave slope around lake for riparian
	Red Maple	5	Pole/Log	9							buffer. If chipping is not possible could require slash to be extremely
167	4131 - 4	Aspen, Oak	s Sa	awtimb	er Well	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 oal
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	to regenerate stand. Oak is generally low quality. Could harvest with stand to west. May not be enough volume for even a small sale. Marke
	Red Oak	12	Log/Pole	12	92	Re	ed Maple	Low	10 - 20 feet	Sapling	for thinning 2014 but held it back due to cc to northwest. Could wait unt
	Red Maple	10	Pole	9		North	ern Pin Oak	Low	< 5 feet	Sapling	RP to north is harvested.
	White Oak	14	Log/Pole	11		W	hite Pine	Low	10 - 20 feet	Sapling	
N	lorthern Pin Oak	12	Log/Pole	12		W	hite Oak	Low	< 5 feet	Sapling	
	Bigtooth Aspen	50	Log/Pole	12	71						-
	Red Pine	2	Log	12							
168	4126 - White, Canopy Species		rin Oak Po		er Well I Age	31.4	92 nopy Species	81-110 Density	N/A Avg. Height	Size	.2024: Medium quality oak. Stocking is not bad at this time. Stand is good for now. A little aspen mixed in in east side. A little wp growing in
	White Pine	15	Log/Pole	10	Aye		hite Pine	Low	Variable	Sapling	under.
	Red Pine	2	Log	13			ed Maple	Low	Variable	Tall Shrut	
	Red Maple	5	Pole/Sapling	8			tch Hazel	Low	5 - 10 feet	Tall Shrub	
	White Oak	35	Log/Pole	12	92	V V I		LOW	0 101001	i un offici	1
	Bigtooth Aspen	8	Log	12	02						
	lorthern Pin Oak	30	Log/Pole	12							
	Red Oak	5	Log/Pole	14	92						
169		Dak, Aspen	0		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 stan back to well formed oak and pine and harvest to start a new age class in
	Red Oak	30	Log/Pole	11	92		hite Pine	High	Variable	Sapling	stand. Consider proper treatment of riparian area along lake.
N	lorthern Pin Oak	20	Log/Pole	11				5	1		2014:Aspen on steep slope and a Little strip of Jp along lake. Few large
	Bigtooth Aspen	40	Log	13	91						WP. camp site walk-in trail leading out to muncie lake rd.
		40		4.4							

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10

Log/Pole

11

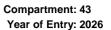
White Oak

Report 7 – Stands

Compartment: 43 Year of Entry: 2026

Stand	Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
170	4121 - C	Dak, Aspen	S	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	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 Maple	5	Pole	8		WI	nite Oak	Low	Variable	Sapling	regenerate aspen. Not too interesting. Poor oak and not enough aspen
	Red Oak	40	Log/Pole	11	103	Re	d Maple	Low	Variable	Sapling	for concern. Stand to east to be harvested soon. Keep for diversity.
	White Oak	20	Log/Pole	11		Wł	nite Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	35	Log	13	91						
171	500	- Water		Nonsto	ocked	38.9	ι	Jnspecified	No		Dollar Lake
172	4131 - A	spen, Oak	S	awtimb	er Well	10.1	99	111-140	N/A		2024: Mixed stand around lake. Riparian zone2014. New stand after
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	harvest. Riparian Zone around lake. Dollar Lake.
N	lorthern Pin Oak	15	Log	14		WI	nite Oak	Low	>20 feet	Pole	
	Red Maple	5	Pole/Sapling	8		Wł	nite Pine	Low	Variable	Sapling	
	White Oak	10	Log	12		R	ed Oak	Low	>20 feet	Sapling	
	Red Oak	10	Log/Pole	12		Re	d Maple	Medium	>20 feet	Pole	
I	Bigtooth Aspen	50	Log	13	99						
	White Pine	10	Log	11							
173	4199 - Other Mixe	d Upland D	eciduous	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	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	
	Red Maple	10	Sapling	2	15						-
	Red Pine	2	Log	11							
I	Bigtooth Aspen	5	Sapling	2	15						
	White Oak	10	Log	11	109						
	Black Cherry	3	Sapling	2							
	White Pine	5	Log	10							
	Red Oak	5	Sapling	2	15						
N	lorthern Pin Oak	13	Log	12							
			Carlina		15						
N	lorthern Pin Oak	20	Sapling	2	15						
N	Red Oak	10	Log	2 13	15						

Report 7 – Stands



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed	Site	General Comments
174	3201 - S	weet Fern		Nonsto	ocked	1.4	ι	Inspecified	No		2024: old well pad. 2014: South 1/2 has fairly thick Sweet fern. North 1/2
						Sub-Ca	nopy Species	Density	Avg. Height	Size	dominated by barren, SJW, and SKW. Revegetate, party spot some garbage. Or could keep and use as a timber landing.
						R	ed Oak	Trace		Seeding	garbage. Of oodid hoop and doo as a timbol failaing.
						Brad	cken Fern	Trace		Non-Wood	
						St. J	ohns Wort	Low		Non-Wood	
						Spotte	d Knapweed	Trace		Non-Wood	
						S	Sumac	Low		Tall Shrub	2
						She	ep Sorrel	Trace		Non-Wood	
						Sw	veet Fern	Medium		Tall Shrub	2
						Mixe	d Grasses	Trace		Non-Wood	
175	4131 - As	spen, Oak	:	Sapling N	/ledium	38.9	15	1-50	N/A		2024: Good aspen regen and growth in most areas. Areas heavier to
Cano	opy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	oak, rm and pine. Retention density is variable.
Re	ed Oak	2	Sapling	1	15	Northe	ern Pin Oak	Low	< 5 feet	Sapling	
Northe	ern Pin Oak	7	Sapling	2		W	hite Oak	Low	< 5 feet	Sapling	
Re	ed Oak	5	Log	13	97	Re	ed Maple	Medium	< 5 feet	Sapling	
Wh	hite Oak	8	Sapling	1	15	Bla	ck Cherry	Low	< 5 feet	Sapling	
Bigto	oth Aspen	50	Sapling	2	15	WI	hite Pine	Low	< 5 feet	Sapling	
Re	d Maple	10	Sapling	2					1	1	_
Re	ed Pine	3	Log/Pole	10							
Wh	nite Pine	5	Log	11							
Wh	nite Pine	5	Sapling	1	22						
Wh	hite Oak	5	Log	11	97						
176	6225	- Bog		Nonsto	ocked	3.6	L	Inspecified	No		Spongy damp soil. No standing water.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Lea	atherleaf	High		Tall Shruk	
						R	ed Pine	Medium		Sapling	
						Blac	ck Spruce	Low		Sapling	
						Brad	cken Fern	Trace		Non-Wood	
					-	Ja	ack Pine	Trace		Sapling	
						Wi	llow spp.	Low			
							Sedges	Trace		Non-Wood	h
						Mixe	d Grasses	Low		Non-Wood	
177	310 - Herbace	eous Open	land	Nonsto	ocked	3.6	l	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.

Report 7 – Stands

Compartment: 43

DNR

tand	Level 4 C	over Type		Size [Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
78	3301 - Low Densi	ity Deciduo	ous Trees	Nons	stocked	0.0	Ur	nspecified	No		2014: Scattered LBS, one log WP, aspen is dying in a depression, possibly a frost pocket. Road from 161 to this stand was once bermed
						Sub-Car	nopy Species	Density	Avg. Height	Size	(reclose?). Nice mix.
						Brac	ken Fern	Medium		Non-Wood	
						Swe	eet Fern	Trace		Tall Shrub	
						St. Jo	ohns Wort	Low		Non-Wood	
						Oa	k (spp.)	Low		Sapling	
						Cladonia (I	Reindeer moss)	Trace		Non-Wood	
						Mixed	d Grasses	Medium		Non-Wood	
						Asp	en (spp.)	Low		Pole	
						Re	ed Pine	Trace		Log	
						Blac	k Cherry	Low		Log	
						Spotted	d Knapweed	Trace		Non-Wood	
79	4199 - Other Mixe	d Upland [Deciduous	Sawtim	nber We	ll 8.6	101	81-110	N/A		2024: Variable stocking. Avg ba= 100. Oak is overstocked in places.
(Canopy Species	% Cove	Size Class	DE	BH Age	Sub-Car	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
	White Pine	10	Log/Pole	1'	1	Wh	ite 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	1'	1	Re	d Maple	Low	5 - 10 feet	Sapling	east.
	Red Pine	1	Log	12	2			-		1	1
	White Oak	29	Log/Pole	1(0 101						
	Red Maple	20	Log/Pole	1()						
	Red Oak	30	Log/Pole	1'	1 101						
80	4311 - Pin	e, Aspen N	/lix	Sawtim	nber We	ll 6.8	73	81-110	N/A		2023: Riparian strip left from last harvest. Mixed stand. 2018:
(Canopy Species	% Cove	Size Class	DE	BH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	White Oak	10	Log	14	1	Wh	ite Pine	Medium	5 - 10 feet	Sapling	
	Red Pine	25	Log	14	1	Blac	k Cherry	Medium	5 - 10 feet	Sapling	
	Red Oak	5	Log	13	3	Re	d Maple	Medium	10 - 20 feet	Sapling	
	White Pine	25	Log/Pole	14	1	L	-				1
E	Bigtooth Aspen	25	Log	14	4 73						
	Red Maple	10	Log/Pole	1() 73						
82	4310 - Pi	ne, Oak M	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	% Cove	Size Class	DE	BH Age	Sub-Car	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.
	Red Oak	23	Log	14	4 99	Wh	iite Pine	Low	10 - 20 feet	Sapling	Over mature aspen mixed with oak-pine. Harvested TS# 037-16.
	White Oak	23	Log	12	2	Re	d Maple	Medium	5 - 10 feet	Sapling	Harvested 8/2018. Cut all aspen, rm except green marked + orange
E	Bigtooth Aspen	2	Log	12	2	Bigto	oth 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 Pine	20	Log/Pole/XLo	og 12	2						a contain anowed doobed. Chould regenerate to depending wp/bak.
	Red Maple	2	Log	12	2						
	White Pine	30	Log/Pole	14	1 99						

Report 7 – Stands

Compartment: 43 Year of Entry: 2026 DR NATURAL PHOLONICAL

Stand	Level 4 C	over Type		Size De	nsitv	Acres	Stand Age	3A Range	Managed S	ite	General Comments
183	4124 - Red v	,,	Dak	Sawtimb		5.4	99	81-110	N/A		2023: Oak log stand along steeper slope with wp under. South east part
			Size Class						Avg. Height	Sino	is workable but fine to leave for now. 2019: This stand was created from
	Canopy Species Red Oak	% Cover	Log/Pole	ОВН 14	Age 99		nopy Species d Maple	Density Low	10 - 20 feet	Size Sapling	steeper parts of stand 31 that were left unharvested in last treatment.
	Bigtooth Aspen	40	Log/Pole	14	99		ite Pine	Medium	5 - 10 feet	Sapling	
	White Oak	40	Log/Pole	14		VVI		Medium	5 - 10 leel	Saping	
	Red Maple	10	Pole	6							
	White Pine	5	Log/Pole	10							
404	310 - Herbac		0	Nonsto	ocked	2.4		Jnspecified	No		well pad
184	510 - Перас	eous open	lanu	NOTSIC	CKEU	2.4	C C	nspecilieu	NO		wen pau
186		Vixed 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	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stand formed from steeper area that was not harvested.
	Bigtooth Aspen	2	Log	13			ite Pine	Low	5 - 10 feet	Sapling	
	Red Maple	20	Pole/Log	9		Re	d Maple	Low	5 - 10 feet	Sapling	
	Red Oak	34	Log/Pole	14	99						
	White Oak	30	Log/Pole	14							
	White Pine	10	Log	12							
	Red Pine	4	Pole/Log	9							
187	6239 - Mixed E	mergent W	etland	Nonsto	cked	2.3	ι	Jnspecified	No		Small ice block depression. Water Light brush
188	4122 -	Oak, Pine		Sawtimb		6.3	113	81-110	N/A		20232018. Mixed sizes of oak and WP. Pockets of WP poles and saplings.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sapings.
	Red Maple	9	Log/Pole	10		Wł	nite Oak	Medium	< 5 feet	Sapling	
	Red Pine	1	Log	13		Wh	iite Pine	Medium	Variable	Sapling	
	White Oak	30	Log/Pole	14	113						
	White Pine	30	Log/Pole	12	86						
	Red Oak	30	Log/Pole	14	113						
190	330 - Low-I	Density Tre	es	Nonsto	cked	1.5	ι	Jnspecified	No		
191	330 - Low-I	Density Tree	es	Nonsto	cked	1.5	ι	Jnspecified	No		
192	330 - Low-I	Density Tre	es	Nonsto	cked	6.6	ι	Jnspecified	No		New acquisition 2019.

DRR HICHIGAN

Stand	Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
193	4119 - Mixed No	orthern Har	dwoods Pole	etimber	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	s 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
	Red Oak	10	Pole	6	41	Wł	nite Pine	Low	5 - 10 feet	Sapling	scattered.
	White Pine	5	Log	14	84	Blac	ck Cherry	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	10	Pole	8	41	Haze	Inut (Spp.)	Low	5 - 10 feet	Tall Shrub	
	White Oak	10	Pole	6	41	Re	d Maple	Low	5 - 10 feet	Sapling	
	Black Cherry	5	Pole	6							-
	Red Maple	60	Pole	6	41						
194	4199 - Other Mixe	ed Upland D	eciduous Pole	etimber	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	s Density	Avg. Height	Size	
	Red Pine	2	Log	12	84	Blac	ck Cherry	Low	5 - 10 feet	Sapling	
	White Pine	5	Log	12	84	Wł	nite Pine	Low	5 - 10 feet	Sapling	
	Quaking Aspen	5	Pole	6							-
	Red Oak	25	Pole/Sapling	6	41						
	White Oak	22	Pole	6	41						
	Black Cherry	5	Pole	6	41						
	Red Maple	25	Pole	6	41						
	Bigtooth Aspen	11	Pole	8	41						
195	623 - Emei	rgent Wetla	nd	Nonsto	ocked	0.9	I	Unspecified	No		Small ice block depression. Water Light brush
196	330 - Low-	Density Tre	es	Nonsto	ocked	1.3		Unspecified	No		
198	4199 - Other Mixe	ed Upland D	eciduous Sa		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		Size Class		Age		nopy Species	s Density	Avg. Height	Size	the aspen cut out when adjacent stands were cut so younger age. Facto
	Red Oak	35	Log/XLog	15	103		d Maple	Low	10 - 20 feet	Sapling	Limited for slopes and water.
	Bigtooth Aspen	10	Log	14		Wł	nite Pine	Low	5 - 10 feet	Sapling	
	White Pine	10	Log	15							
	Sugar Maple	1	Log	13							
	Red Maple	20	Log	12							
	White Oak	15	Log	14	103						
	Basswood	1	Log	11							
	Red Pine	8	Log	14							

Report 7 – Stands



Year of Entry: 2026

Stand	Level 4 C	over Type	:	Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
199	4131 - A	Aspen, Oak	Р	oletimt	er 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	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and others to aspen. Small pocket of planted spruce. Some older wp/rp scattered around.
	Red Oak	15	Pole	8	41	Wł	hite Pine	Low	5 - 10 feet	Sapling	Some decent red oak could be retained when this stand is harvested to
	White Pine	1	Log	14		Blac	ck Cherry	Low	5 - 10 feet	Sapling	regenerate.
(Quaking Aspen	1	Pole	6	41	Haze	elnut (Spp.)	Low	5 - 10 feet	Tall Shrub	2
	White Oak	15	Pole	6	41						-
N	Jorthern Pin Oak	2	Pole	6							
	Red Maple	20	Pole	6	41						
	Black Cherry	1	Pole	6							
E	Bigtooth Aspen	45	Pole	7	41						
	4119 - Mixed No	orthern Hard	lwoods P	oletimt	er Well	5.5	41	81-110	N/A		
200			dwoods P Size Class		er Well I Age		41 nopy Species	81-110 Density	N/A Avg. Height	Size	2023: Red Maple and oak from stump sprouts. Some residual wp left i last harvest
200	4119 - Mixed No Canopy Species White Pine	% Cover 5	Size Class Log/Pole	DB 12	I Age	Sub-Ca	nopy Species hite Oak		Avg. Height 10 - 20 feet	Sapling	
200	4119 - Mixed No Canopy Species White Pine White Oak	% Cover	Size Class	DBH		Sub-Ca	nopy Species	Density	Avg. Height		2023: Red Maple and oak from stump sprouts. Some residual wp left in last harvest
200	4119 - Mixed No Canopy Species White Pine White Oak Red Oak	% Cover 5 15 20	Size Class Log/Pole Pole Pole	DBH 12 6 8	I Age	Sub-Ca Wi	nopy Species hite Oak	Density Low	Avg. Height 10 - 20 feet	Sapling	
200	4119 - Mixed No Canopy Species White Pine White Oak	% Cover 5 15	Size Class Log/Pole Pole	DBH 12 6	Age	Sub-Ca Wi	nopy Species hite Oak hite Pine	Density Low Low	Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling	
200	4119 - Mixed No Canopy Species White Pine White Oak Red Oak Red Maple	% Cover 5 15 20	Size Class Log/Pole Pole Pole Pole	DBH 12 6 8 5	Age 41 41	Sub-Ca Wi	nopy Species hite Oak hite Pine	Density Low Low	Avg. Height 10 - 20 feet 5 - 10 feet	Sapling Sapling	last harvest 2023: Variable stocking. RM and oak from sprouts along with aspen.
200	4119 - Mixed No Canopy Species White Pine White Oak Red Oak Red Maple	% Cover 5 15 20 60	Size Class Log/Pole Pole Pole Pole	DBH 12 6 8 5	Age 41 41 41	Sub-Ca Wi Wi Re 27.0	nopy Species hite Oak hite Pine ed Maple	DensityLowLowLow	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet	Sapling Sapling	Iast harvest 2023: Variable stocking. RM and oak from sprouts along with aspen. Most RO is lower quality. Some well-formed white oak. Good aspen
200	4119 - Mixed No Canopy Species White Pine White Oak Red Oak Red Maple 4130	% Cover 5 15 20 60	Size Class Log/Pole Pole Pole Pole	DBH 12 6 8 5	Age 41 41 41 eer Well	Sub-Ca Wi Wi Re 27.0 Sub-Ca	hite Oak hite Pine ed Maple 41	Density Low Low Low	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet N/A	Sapling Sapling Sapling	last harvest 2023: Variable stocking. RM and oak from sprouts along with aspen.
200	4119 - Mixed No Canopy Species White Pine White Oak Red Oak Red Maple 4130 Canopy Species	% Cover 5 15 20 60 - Aspen % Cover	Size Class Log/Pole Pole Pole Pole Pole	DBH 12 6 8 5 oletimk	Age 41 41 41 41 41 41 41 41	Sub-Ca Wi Wi Re 27.0 Sub-Ca	nopy Species hite Oak hite Pine ed Maple 41 nopy Species	Density Low Low Low 81-110 Density	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Size	Iast harvest 2023: Variable stocking. RM and oak from sprouts along with aspen. Most RO is lower quality. Some well-formed white oak. Good aspen
200 201	4119 - Mixed No Canopy Species White Pine White Oak Red Oak Red Maple 4130 Canopy Species Red Maple	% Cover 5 15 20 60 - Aspen % Cover 15	Size Class Log/Pole Pole Pole Pole Pole	DBH 12 6 8 5 oletimk DBH 7	I Age 41 41 41 41 41 41 41 41 41 41 41 41 41 41 41 41 41	Sub-Ca Wi Wi Re 27.0 Sub-Ca	nopy Species hite Oak hite Pine ed Maple 41 nopy Species	Density Low Low Low 81-110 Density	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Size	Iast harvest 2023: Variable stocking. RM and oak from sprouts along with aspen. Most RO is lower quality. Some well-formed white oak. Good aspen
200 201	4119 - Mixed No Canopy Species White Pine White Oak Red Oak Red Maple 4130 Canopy Species Red Maple Bigtooth Aspen	% Cover 5 15 20 60 - Aspen % Cover 15 72	Size Class Log/Pole Pole Pole Pole Pole Size Class Pole Pole	DBH 12 6 8 5	I Age 41 41 41 41 41 41 41 41 41 41 41 41 41 41 41 41 41	Sub-Ca Wi Wi Re 27.0 Sub-Ca	nopy Species hite Oak hite Pine ed Maple 41 nopy Species	Density Low Low Low 81-110 Density	Avg. Height 10 - 20 feet 5 - 10 feet 10 - 20 feet N/A Avg. Height	Sapling Sapling Sapling Size	Iast harvest 2023: Variable stocking. RM and oak from sprouts along with aspen. Most RO is lower quality. Some well-formed white oak. Good aspen