Compartment Review Presentation

Cadillac Forest Management Unit

Compartment 63023
Entry Year 2028
Acreage: 2,535
County: Lake
Management Area: Cadillac Moraines

Stand Examiner: James Park

Legal Description:

T18N, R11W, Sec. 17, 18, 19, and 30

Identified Planning Goals:

A more even distribution of the shade intolerant area across the age categories is desirable in the Cadillac Moraines Management Area and this can be achieved by accomplishing individual cover type age class goals over the next several decades.Each cover type in the Cadillac Moraine Management Area has a unique age class and basal area class goals that describe the long-term desired future conditions. The harvest levels that are needed in the first planning period to begin achieving those long-term goals are summarized in the State Forest Management Plan. These harvests will help establish a desirable amount of regeneration for the even-aged cover types over the 10-year period or help to achieve desired basal area distribution among uneven-aged cover types like northern hardwoods.

Soil and topography:

Mostly Rubicon-Montcalm-Graycalm: Nearly level to steep, somewhat excessively drained and well drained sandy soils on moraines, till plains, and outwash plains. Small area in northwest of compartment consists of Grayling-Graycalm: Nearly level to moderately steep, excessively drained and somewhat excessively drained sandy soils on outwash plains, till plains, and low moraines. Small area in center of compartment consists of Tawas-Croswell-Lupton: Nearly level and undulating, very poorly drained and moderately well drained mucky and sandy soils in bogs, depressions, and drainageways and on low flats and benches.

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

Large block of state-ownership. State land to the north, east, and western portions of the compartment. Private land intermittent along the compartment boundary.

Unique Natural Features:

Sanborn Creek flows through section 19.

The Eastern Box Turtle is listed as having occurred in the compartment. The Eastern Box Turtle, Great Plains Spittlebug, Karner Blue Butterfly, E. Massasauga Rattlesnake and a Great Blue Heron Rookery are listed as having occurred in sections surrounding the compartment. The compartment has the potential for the Goshawk, Red-shouldered Hawk, Eastern Box Turtle, Eagle, Osprey, Wood Turtle, and Great Blue Heron Rookeries.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

The integrity of Sanborn Creek will be maintained.

Watershed and Fisheries Considerations:

Sanborn Creek flows through Compartment 23. Sanborn Creek is a tributary to the Baldwin River in the Pere Marquette River watershed. It is a Designated Trout Stream with naturally reproducing populations of brook trout, brown trout, and possibly steelhead, coho salmon, and Chinook salmon.

Wildlife Habitat Considerations:

Historically, there have been problems regenerating oak, especially in the higher quality stands in this compartment. Featured wildlife species are deer, turkey, hare, ruffed grouse and woodcock. Management emphasis for these species will include maintenance of lowland conifer complexes, aspen, and oak regeneration. Conifer components within stands will be encouraged, particularly in lowland and lowland adjacent areas. Timber sale specifications to benefit these featured species (where applicable) will include brush pile creation along lowland edges, protection of mast-bearing wildlife shrubs and ironwood, protection of standing dead snags, and creation of drumming logs (1-2 per acre) and woody debris (tops or whole trees) in aspen cuts.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial production of metallic minerals in this part of the state. The nearest known active sand/gravel operation is two miles southeast of the compartment. There appears to be some potential for development of sand & gravel within the compartment, on the uplands, but the compartment might be too far from populated areas (markets) for any aggregate resources to have much value beyond use by the county road commission or DNR for local road maintenance. There has been recent oil & gas drilling activity within and around the compartment, and a potential wildcat oil well was discovered in 2019 just to the west. Most of the State-owned mineral rights within the compartment are currently leased for oil & gas exploration and development. Good potential exists for future oil & gas activities in the compartment.

Vehicle Access:

A forest road access plan is detailed on the compartment map. Identified are state and county roads as well as forest roads and trails under the jurisdiction of the DNR. Also indicated are forest roads and trails under the jurisdiction of the DNR that are proposed for abandonment. These roads were determined to be in excess of the access needs in the area, are a threat to the resources, or are a concern environmentally.

Survey Needs:

Recreational Facilities and Opportunities:

The Tin Cup Springs Motorcycle, and Tin Cup Springs Route ORV trails are both within this compartment. Trail protection specifications should be considered if forest treatments will impact these trail systems.

Fire Protection:

This area would have the potential for moderate to large fire growth with the cover types. Terrain would allow for good access for suppression equipment. There are some urban interface areas within the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

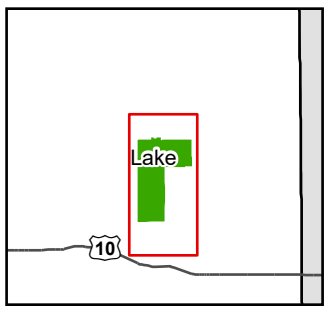
- **Total Acres by Cover Type and Age Class**
- **Cover Type by Harvest Method**
- **Proposed Treatments – No Limiting Factors**
- **Proposed Treatments – With Limiting Factors**
- **Stand Details (Forested and Nonforested)**
- **Dedicated and Proposed Special Conservation Areas**
- **Site Condition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

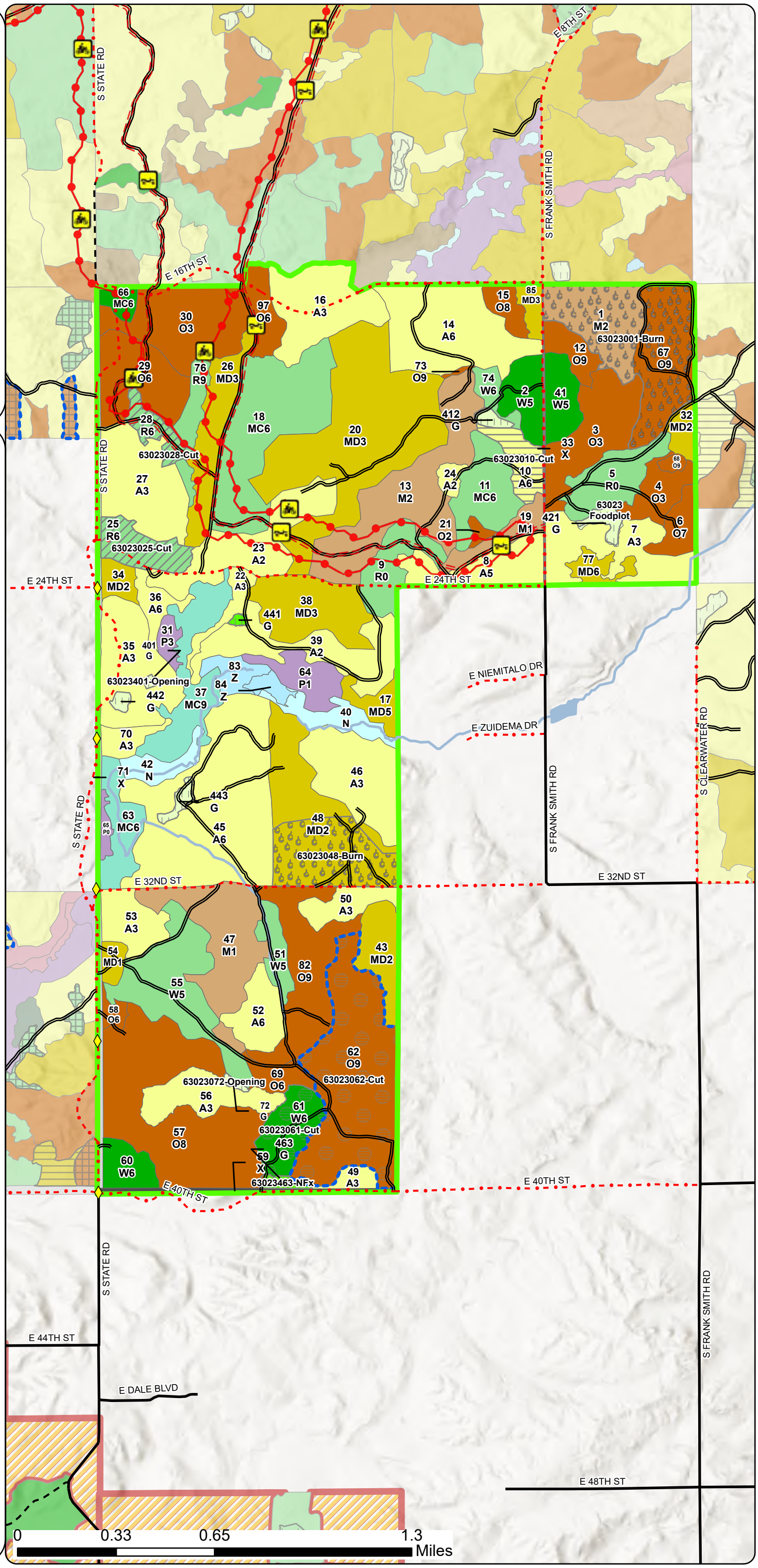
Cover Type & Treatments Map

Compartment: 63023
T18N, R11W, Sec. 17-19, 30
County: Lake
Unit: Cadillac
Mgmt. Area: Cadillac Moraines
YOE: 2028
Acres: 2,534.71 GIS Calculated
Examiner: James Park
Date Exported: 07/17/2026
Map Phase: Web Post



N

- Survey Grade Corners
- Designated ORV Routes
- Designated Motorcycle Trails
- DNR - Secondary Forest Road
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Streams
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Strip/Patch Cut
- Thinning
- Prescribed Burn
- Openings Mgmt.
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 500 - Water
- 611 - Lowland Deciduous Forest
- 211 - Cropland
- 110 - Low Intensity Urban
- 122 - Road/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 623 - Emergent Wetland



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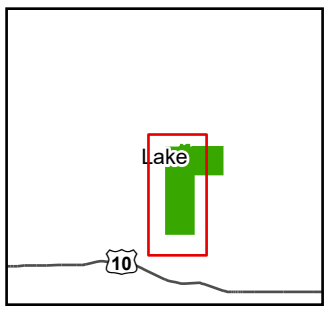

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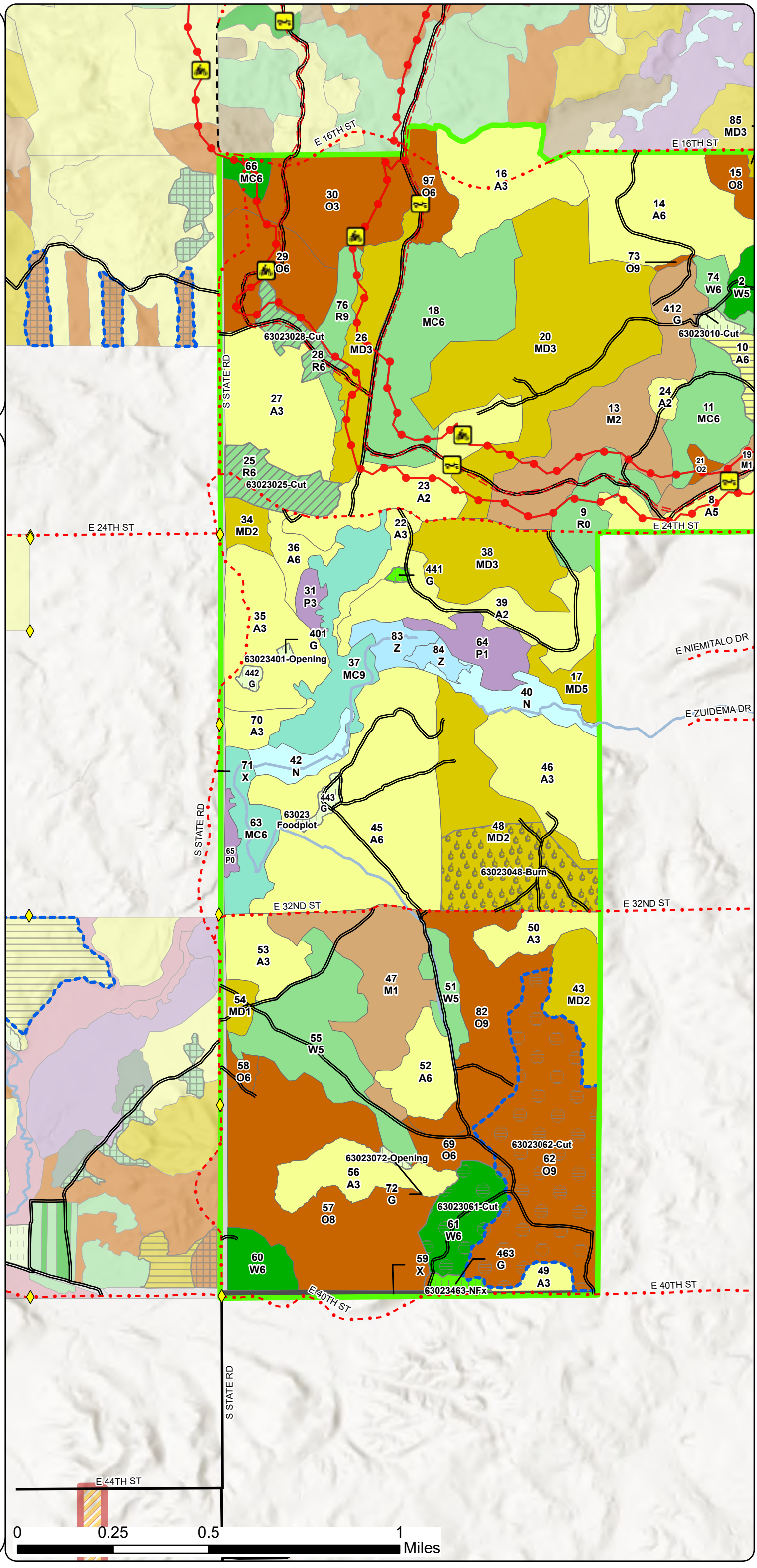

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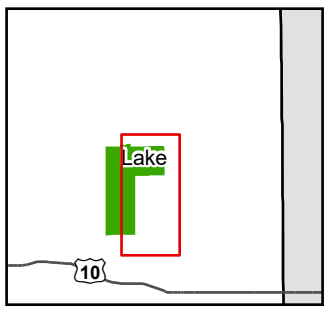

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Stand Boundary Map

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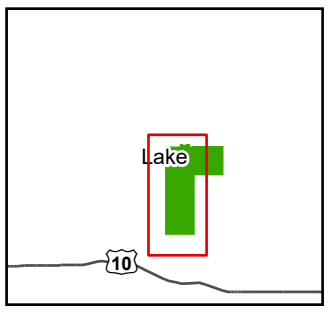

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E 16TH ST
S STATE RD
E 24TH ST
E NIEMITALO DR
E ZUIDEMA DR
E 32ND ST
E 40TH ST
E 44TH ST
0 0.25 0.5 1 Miles

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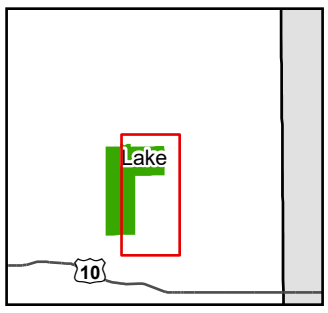

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Special Conservation Areas & Site Conditions Map

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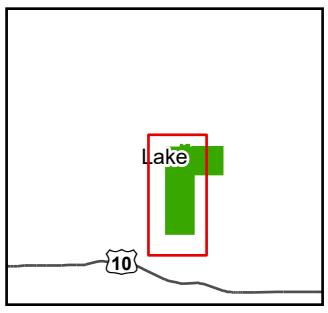

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- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer

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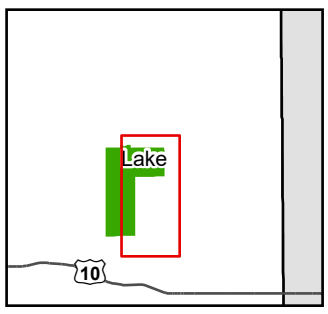

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S FRANK SMITH RD
E 24TH ST
E NIEMITALO DR
E ZUIDEMA DR
E 32ND ST
S CLEARWATER RD
BAR X RD
E 40TH ST

0 0.25 0.5 1 Miles

Report 1 – Total Acres by Cover Type and Age Class

Cadillac Mgt. Unit **Compartment 23** **Year of Entry 2028**

James Park : Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	199	95	175	264	0	17	0	0	0	0	0	0	0	0	0	0	0	**750**
Cropland	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Herbaceous Openland	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**17**
Lowland Aspen/Balsam Poplar	4	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**30**
Marsh	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**30**
Mixed Upland Deciduous	0	0	227	142	0	10	0	13	0	0	0	0	0	0	0	0	0	0	**391**
Natural Mixed Pines	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	**7**
Northern Hardwood	0	141	60	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**201**
Oak	0	0	3	166	0	21	0	0	0	0	0	134	267	0	0	0	0	0	**591**
Planted Mixed Pines	0	0	0	0	0	88	34	0	0	0	0	0	0	0	0	0	0	0	**122**
Red Pine	57	0	0	0	0	0	15	35	0	0	0	0	0	0	0	0	0	0	**107**
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	68	0	0	0	0	0	**68**
Urban	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**38**
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**17**
White Pine	0	0	0	0	8	39	16	102	0	0	0	0	0	0	0	0	0	0	**164**
Total	**168**	**340**	**411**	**483**	**272**	**158**	**89**	**150**	**0**	**0**	**0**	**134**	**335**	**0**	**0**	**0**	**0**	**0**	**2538**

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 2 – Treatment Summary

Cadillac Mgt. Unit
Year of Entry: 2028

Acres of Harvest

Compartment 23
Total Compartment Acres: 2,535

Commercial Harvest - 201
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	17	0	0	0	0	0	0	0	0	**17**
Oak	0	0	0	0	0	0	0	0	0	**39**
Red Pine	0	0	0	0	0	35	0	0	0	**35**
White Pine	0	0	0	0	0	0	0	0	0	**27**
Total	**17**	**0**	**0**	**0**	**0**	**35**	**0**	**0**	**0**	**117**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	117	0	0	0	151	0	0	0	4	**289**
Next Step	0	0	0	2	0	0	233	0	0	**473**
Total	**117**	**0**	**0**	**2**	**151**	**0**	**233**	**0**	**4**	**763**

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

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Proposed Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
421	63023 Foodplot	15.5	3105 - Mixed Upland Herbaceous	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Plant forage and brood rearing herbaceous species. Till, fertilize, and plant annually. May transition to perennial mix.

Next Step Treatments: Openings Mgmt., Farming/Food Plot; Openings Mgmt., Farming/Food Plot; Openings Mgmt., Farming/Food Plot; Openings Mgmt., Farming/Food Plot; Openings Mgmt., Farming/Food Plot; Openings Mgmt., Idle/Fallow; Openings Mgmt., Idle/Fallow; Openings

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
1	63023001-Burn	99.2	4112 - Maple, Beech, Cherry Association	2	4	Immature	Burn	Prescribed Burn	412 - Oak Types	Planting Record	No

Prescription Specs: Rx burn to promote oak regeneration and set back red maple.

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

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
10	63023010-Cut	16.7	4133 - Aspen, Mixed Pine	6	57	81-110	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No

Prescription Specs: Clearcut with island retention. Remove all trees 2 inches or greater at dbh regardless of merchantability, except do not cut red pine or white oak trees. Use oak wilt with exceptions. Use grouse drumming log spec.

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

Acceptable Regen: Aspen spp., maple spp., black cherry, pine spp., oak spp.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
25	63023025-Cut	22.2	42110 - Planted Red Pine	6	69	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No

Prescription Specs: Mark to remove approximately 1/3 of this stand down to a residual basal area of 110-120 BA. Focus on suppressed trees first and then crown spacing.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
28	63023028-Cut	12.8	42110 - Planted Red Pine	6	69	171-200	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No

Prescription Specs: Mark to remove approximately 1/3 of this stand down to a residual basal area of 110-120 BA. Focus on suppressed trees first and then crown spacing. Include trail protection specs.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
48	63023048-Burn	51.4	4199 - Other Mixed Upland Deciduous	2	15	1-50	Burn	Prescribed Burn	412 - Oak Types	Planting Record	No

Prescription Specs: Prescribe burn to set back red maple.

Next Step Treatments: Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Oak with mixed upland species.

Other Comment: FTP #C63-617

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
61	63023061-Cut	26.8	42200 - Natural White Pine	6	60	171-200	Harvest	Strip/Patch Cut	4310 - Pine, Oak Mix	Cutting Record	No

Prescription Specs: Harvest stand using a leave 25 foot wide strip and cut a 25 foot wide strip. Remove all tress 2 inches and up within the designated removal strips. Use oak wilt with no exceptions. Mark to reserve at least 2 white pine trees per acre in the cut rows. Th

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

Acceptable Regen: Pine spp., oak spp., red maple, aspen spp., black cherry.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
62	63023062-Cut	38.6	4126 - White, Black, N. Pin Oak	9	112	111-140	Harvest	Strip/Patch Cut	4199 - Other Mixed Upland Deciduous	Cutting Record	No

Prescription Specs: Harvest 1/3 of this stand using a strip/patch cut. Cut all trees 2"dbh or greater except do not cut white pine greater than 12"dbh or any red pine trees. Use oak wilt with no exceptions. Use grouse drumming log spec and brush pile spec.

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

Acceptable Regen: Oak spp., aspen spp., maple spp., black cherry, pine spp.

Other Comment: Survey needed.Removal strips should be 50-100 feet wide.

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
72	63023072-Opening	1.4	3102 - Grass	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Keep Open.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
401	63023401-Opening	0.8	3105 - Mixed Upland Herbaceous	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Keep open

Next Step Treatments: Openings Mgmt., Herbicide; Seeding, Machine Seed; Openings Mgmt., Mowing; Seeding, Machine Seed; Openings Mgmt., Brush Mgmt.; Openings Mgmt., Mowing; Openings Mgmt., Interseeding; Openings Mgmt., Disking/Plowing; Openings Mgmt., Herbicide;

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
463	63023463-NFx	3.9	2113 - Forage Crops	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No

Prescription Specs: Plant forage and brood rearing herbaceous species annually.

Next Step Treatments:

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2027

Total Treatment Acreage Proposed: 289.3

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Report 4 – Site Conditions

Cadillac Mgt. Unit

James Park: Examiner

Compartment: 23

Year of Entry: 2028

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions 5E
669	666	*0*	3	**Aspen**	3
5	5	*0*	0	**Cropland**	
17	17	*0*	0	**Herbaceous Openland**	
30	30	*0*	0	**Lowland Aspen/Balsam Poplar**	
30	30	*0*	0	**Marsh**	
391	391	*0*	0	**Mixed Upland Deciduous**	
7	7	*0*	0	**Natural Mixed Pines**	
201	201	*0*	0	**Northern Hardwood**	
577	576	*0*	1	**Oak**	1
121	121	*0*	0	**Planted Mixed Pines**	
77	76	*0*	2	**Red Pine**	2
68	68	*0*	0	**Upland Conifers**	
38	38	*0*	0	**Urban**	
17	17	*0*	0	**Water**	
164	164	*0*	0	**White Pine**	
2,411	2,406		6	Total Forested Acres	6
	100%		0%	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		**Available**	**2I: Survey needed**	117	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:							
6		**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:							

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

11	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	**Unavailable**	**5E: Long-Term Retention**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	**Unavailable**	**5E: Long-Term Retention**	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres

Comments

If you need assistance with this report, please email DNR-Forestry@michigan.gov or call 517-284-5900

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4112 - Maple, Beech, Cherry Association	Sapling Medium	44.7	4	Immature	N/A	Stand burned 2nd time per FTP #C63-734 in June of 2015, and 1st time per FTP #C63-615 in April of 2009. Stand treated timber sale #63-208-98-01, "Tree Fort Oak".

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Sapling	1	
Red Oak	5	Sapling	1	
White Oak	5	Log	12	110
White Oak	5	Sapling	1	
White Pine	1	Sapling	1	
Black Cherry	40	Sapling	1	4
Sassafras	1	Sapling	1	
Beech	8	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
2	42200 - Natural White Pine	Poletimber Medium	20.0	40	51-80	N/A	Sale closed 04/21/2015. Previous comments: White pine released in 1990. Large white pine scattered throughout stand. Cut all sawlog wp, mark to thin pulp. Open up around areas of oak seedlings/saplings. Do not cut red pine.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	85	Pole	8	40
Red Pine	2	Log/Pole	10	
White Oak	7	Pole	8	
Red Oak	3	Pole	6	
Red Maple	3	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
White Oak	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
3	4126 - White, Black, N. Pin Oak	Sapling Well	46.4	26	1-50	N/A	Stand treated timber sale #63-028-99-01, "Downhome Mixed Wood". White pine was not cut during sale, some jack pine pulp left also.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	45	Sapling/Pole	4	26
White Oak	20	Sapling/Pole	3	
Jack Pine	10	Sapling/Pole	4	
White Pine	5	Sapling/Pole	4	
Black Cherry	10	Sapling/Pole	4	
Red Maple	10	Sapling/Pole	4	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
4	4124 - Red with White Oak	Sapling Well	18.5	26	Immature	N/A	Stand treated timber sale #63-028-99-01, "Downhome Mixed Wood". Previous comments: Understory M2 = red maple. Stand in process of regeneration. Moderate to heavy amount of oak seedlings beginning to enter sapling stage. Moderate amount of red pine seedlings.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	50	Sapling	2	26
White Oak	20	Sapling	2	
Jack Pine	10	Sapling	2	
Black Cherry	10	Sapling	2	
Red Maple	10	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	4211 - Planted Red Pine	Unspecifed	30.8	4	Immature		Stand thinned per timbersale #63-048-08-01, "Casting Bones". Previous Comments: Understory M2 = red maple. Stand is a Red Pine plantation (FTP #8, October 1957). Stand thinned t-sale 63-028-99-01, "Downhome Mixed Wood". Final harvest completed per timbersale #63-006-18, "24th Red Pine". Next step: Trench and replant. Stand was initial planted in spring of 2023.

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	4126 - White, Black, N. Pin Oak	Sawtimber Poor	14.0	100	1-50	N/A	Stand was treated in summer 2022 with timber sale # "63-042-18-01", "Frank's Oak and Aspen".

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	70	Log/Pole	12	100
White Oak	30	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	Variable	Variable
White Pine	Low	Variable	Variable
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
Red Maple	High	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4130 - Aspen	Sapling Well	46.2	5	Immature	N/A	Stand was treated in fall 2021 with timber sale # "63-042-18-01", "Frank's Oak and Aspen". Stand treated timber sale #16-72 and 18-72 in 1973.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Sapling	1	5
Black Cherry	15	Pole	6	
Black/Red (Hybrid) Oak	10	Sapling	1	
White Oak	5	Sapling	1	
White Pine	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	4131 - Aspen, Oak	Poletimber Medium	33.0	38	51-80	N/A	Occasional black oak. Some quaking aspen. Stand treated previously however the paperwork could not be found. Appears that aspen and black oak were removed.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	40	Pole/Log	6	38
White Oak	25	Pole/Sap/Log	6	
Black Cherry	17	Pole/Sap/Log	6	
White Pine	3	Pole/Sap/Log	8	
Black/Red (Hybrid) Oak	15	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	5 - 10 feet
Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet
White Oak	Medium	Variable	Variable
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Medium	Variable	Variable
Black Cherry	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	4211 - Planted Red Pine	Unspecifed	26.1	4	Immature		Stand final harvested in summer of 2019 as part of "ORV Pine" sale number 63-029-18 (1) replant to red pine. 10/2021- Trenched (B. Tweedale) Stand was initial planted in spring of 2023.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	4133 - Aspen, Mixed Pine	Poletimber Well	16.7	57	81-110	N/A	Small amount of mature white oak, mixed oak, and red maple sawlogs. One white oak sawlog = 22".

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	60	Pole/Log	9	57
White Pine	20	Pole/Log	8	
Red Maple	15	Pole/Log	8	
White Oak	2	Log/Pole	12	
Black/Red (Hybrid) Oak	3	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet
Black Cherry	High	Variable	Variable
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Medium	Variable	Variable

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	33.6	58	81-110	N/A	Stand treated timber sale #63-218-98-01. White pine underplanted FTP #131, May 1967.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	55	Pole	8	58
Black/Red (Hybrid) Oak	15	Pole/Log	9	
White Oak	5	Pole	7	
Black Cherry	10	Pole/Log	7	
Red Maple	8	Pole/Log	8	
Red Pine	2	Pole	8	
White Pine	3	XLog	18	
Red Pine	2	XLog	20	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	High	Variable	Variable
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Oak	High	Variable	Variable
White Pine	Medium	Variable	Variable
Black Cherry	Medium	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	4124 - Red with White Oak	Sawtimber Well	13.1	110	111-140	N/A	High quality red oak stand.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	5	Pole/Log	8	
Bigtooth Aspen	10	Log/Pole	10	
Red Maple	15	Log/Pole	10	
White Oak	30	Log/Pole	10	
Red Oak	40	Log/Pole	12	110

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	5 - 10 feet	5 - 10 feet
White Pine	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	4112 - Maple, Beech, Cherry Association	Sapling Medium	82.4	5	1-50	N/A	Stand was treated in spring 2021 with timber sale # "63-042-18-01", "Frank's Oak and Aspen". Stand thinned per timber sale #63-208-98-01.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Log/Pole	13	115
White Oak	5	Log/Pole	10	
White Pine	5	Pole/Log	8	
Red Maple	65	Sapling	1	5
Black Cherry	20	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	< 5 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable
Red Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	4139 - Aspen, Mixed Deciduous	Poletimber Well	72.9	36	1-50	N/A	Stand treated sale #020-88-01. Some black cherry brush. Some quaking aspen in stand. Occasional white birch.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	50	Pole/Sapling	5	36
Black/Red (Hybrid) Oak	5	Sapling/Pole	4	
White Oak	14	Sapling/Pole	3	
Red Maple	10	Pole/Sapling	5	
White Pine	9	Pole/Sap/Log	6	
Jack Pine	2	Sapling/Pole	3	
Black Cherry	8	Sapling/Pole	3	
Red Pine	2	Log/Pole/Sap	14	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	4123 - Red Oak	Sawtimber Medium	10.4	111	51-80	N/A	Stand treated timber sale #63-035-08-01, "North V South".

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	65	Log/Pole	15	111
Red Maple	15	Pole/Log	8	
White Oak	15	Log/Pole	11	
Bigtooth Aspen	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	Variable	Variable
Ironwood	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
16	4131 - Aspen, Oak	Sapling Well	50.7	2	1-50	N/A	Low, wet area on west side.Stand was final harvested in 2024 as part of "Pony Aspen" timbersale #63-026-22 (1). Some white oak left behind.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	80	Sapling	1	2
White Oak	20	Pole	5	46

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
17	4199 - Other Mixed Upland Deciduous	Poletimber Medium	12.6	65	51-80	N/A	Nice pocket of hawthorn in stand. Small creek separates this from the stand to the north.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	20	Pole/Log	9	65
Black/Red (Hybrid) Oak	25	Log/Pole	10	
White Oak	20	Pole/Log	9	
Red Maple	25	Log/Pole	10	65
Black Cherry	5	Pole/Log/Sap	7	
Hemlock	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Musclewood/Hornbeam	High	5 - 10 feet	5 - 10 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Cherry	High	5 - 10 feet	5 - 10 feet
Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet
Willow spp.	Medium	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	42141 - Planted Mixed Pine, Mixed Deciduous	Poletimber Well	87.7	44	81-110	N/A	Stand planted per FTP # C-63-210, in May 1982. Red pine planted to the north of stand, jack pine planted in the south of stand. Area of red pine planting being overtopped by natural jack pine.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	50	Pole/Sapling	6	44
Red Pine	20	Pole/Sapling	5	
Black/Red (Hybrid) Oak	15	Pole/Sapling	5	
White Oak	13	Sapling/Pole	4	
Bigtooth Aspen	2	Pole/Sapling	6	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4117 - Mixed N. Hardwood - Pine	Sapling Poor	14.3	5	Immature	N/A	Stand thinned per timber sale #63-048-08-01, "Casting Bones". Stand planted per FTP #12, Sept. 1957. Stand final harvested in summer of 2019 as part of timber sale "ORV Pine" sale # 63-029-18 (1) This stand was not replanted.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	30	Sapling	1	
Red Maple	30	Sapling	1	5
Black/Red (Hybrid) Oak	10	Sapling	1	
White Oak	10	Sapling	1	
White Pine	15	Sapling	1	
Red Pine	5	Sapling	1	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	141.9	28	1-50	N/A	Stand treated timber sale #63-011-98-01.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	25	Sapling	3	28
White Oak	15	Sapling/Pole	2	
Red Maple	15	Sapling/Pole	3	
Black Cherry	10	Sapling	1	
White Pine	10	Sapling	2	
Bigtooth Aspen	5	Sapling/Pole	3	
Red Pine	5	Log	12	
Black/Red (Hybrid) Oak	10	Log	10	98
White Pine	5	Log	10	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
21	4125 - Black, N. Pin Oak	Sapling Medium	2.9	16	1-50	N/A	OPIC - FMD: Stand treated timber sale #63-048-08-01, "Casting Bones". Previous Year of Origin: 1959.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	60	Sapling/Pole	3	16
Black Cherry	15	Sapling	3	
White Pine	10	Sapling/Pole	4	
Red Maple	10	Sapling/Pole	3	
Jack Pine	5	Sapling/Pole	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	4130 - Aspen	Sapling Well	10.0	15	Immature	N/A	Stand treated timber sale #63-039-09-01, "24th Training".

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	65	Sapling	3	15
Red Maple	15	Sapling	2	
Black/Red (Hybrid) Oak	10	Sapling	1	
White Oak	5	Sapling	1	
White Pine	5	Sapling/Pole	2	

Sub-Canopy Species	Density	Avg. Height	Size
Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4130 - Aspen	Sapling Medium	51.3	15	Immature	N/A	Stand treated timber sale #63-035-08-01, "North V South".

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	10	Sapling	2	
Black Cherry	10	Sapling	2	
Red Maple	10	Sapling	3	
Bigtooth Aspen	70	Sapling	3	15

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Low	>20 feet	>20 feet
White Pine	Low	>20 feet	>20 feet
White Pine	Medium	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Low	>20 feet	>20 feet
Jack Pine	Low	< 5 feet	< 5 feet
Black Cherry	Low	< 5 feet	< 5 feet
White Oak	Low	< 5 feet	< 5 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	4130 - Aspen	Sapling Medium	4.9	12	Immature	N/A	Stand treated timber sale #63-009-09-01, "C23 Mix".

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	65	Sapling	1	12
Red Maple	25	Sapling	1	
Black Cherry	10	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	42110 - Planted Red Pine	Poletimber Well	22.2	69	171-200	N/A	Stand treated timber sale #63-048-08-01, "Casting Bones". Red pine planted per FTP #11, Sept. 1957.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	85	Log/Pole	10	69
Black/Red (Hybrid) Oak	10	Log/Pole	10	
Jack Pine	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	< 5 feet	< 5 feet
Black Cherry	Low	< 5 feet	< 5 feet
Red Maple	High	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	35.7	15	Immature	N/A	Stand treated timber sale #63-035-09-01, "Dusyt Trails", completed 10/2011.

Canopy Species	% Cover	Size Class	DBH	Age
Jack Pine	20	Sapling	1	15
Black/Red (Hybrid) Oak	35	Sapling	1	15
White Oak	15	Sapling	1	
Black Cherry	15	Sapling	1	
Red Maple	15	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
27	4131 - Aspen, Oak	Sapling Well	53.8	26	Immature	N/A	Stand treated timber sale #63-021-98-01, "Wicked Witch Hdwds".

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	55	Sapling/Pole	3	26
Black/Red (Hybrid) Oak	20	Sapling	3	
White Oak	5	Sapling	2	
Black Cherry	5	Sapling/Pole	3	
Black/Red (Hybrid) Oak	5	Log	12	
White Oak	5	Log	10	
White Pine	5	Pole/Log	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
28	42110 - Planted Red Pine	Poletimber Well	12.8	69	171-200	N/A	Stand treated timber sale #63-048-08-01, "Casting Bones". Red pine planted per FTP #4, 08-15-1957.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	85	Pole/Log	9	69
White Oak	5	Pole/Log/Sap	7	
Black Cherry	8	Pole	8	
Jack Pine	2	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	< 5 feet	< 5 feet
Red Maple	High	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	4126 - White, Black, N. Pin Oak	Poletimber Well	42.0	28	1-50	N/A	Stand treated timber sale #63-021-98-01, "Wicked Witch Hdwds".

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	30	Pole/Sapling	5	28
Black/Red (Hybrid) Oak	25	Sapling	4	
White Oak	10	Sapling	3	
Black Cherry	10	Sapling/Pole	3	
Black/Red (Hybrid) Oak	15	Log/XLog	14	100
White Oak	10	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Jack Pine	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4126 - White, Black, N. Pin Oak	Sapling Well	59.1	28	Immature	N/A	2016: Merged two previous stands due to same stand type. Previous two stands were treated per timber sales #63-019-98-01 and #63-020-98-01.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	40	Sapling	4	28
White Oak	15	Sapling	3	
Black Cherry	10	Sapling/Pole	3	
Red Maple	10	Sapling/Pole	4	
Bigtooth Aspen	5	Sapling/Pole	4	
Red Pine	5	Log/Pole	12	
White Pine	5	Log/Pole	12	
Black/Red (Hybrid) Oak	5	Log	11	
White Oak	5	Log	11	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
31	6112 - Lowland Aspen	Sapling Well	6.2	11	1-50	N/A	Stand treated via Wildlife habitat cut. Occasional cedar and hemlock in stand.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	90	Sapling	1	11
White Pine	10	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet
Musclewood/Hornbeam	Medium	5 - 10 feet	5 - 10 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
32	4199 - Other Mixed Upland Deciduous	Sapling Medium	9.2	15	Immature	N/A	Stand treated timber sale #63-048-08-01, "Casting Bones". Previous Year of Origin on oak was 1916.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	35	Sapling	2	15
Bigtooth Aspen	30	Sapling	3	
White Oak	10	Sapling	2	
Black Cherry	5	Sapling	2	
Red Maple	10	Sapling	2	
Red Oak	5	Log	10	
White Oak	5	Log	10	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	122 - Road/Parking Lot	None	4.0			No	Frank Smith Road

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
34	4199 - Other Mixed Upland Deciduous	Sapling Medium	8.9	10	1-50	N/A	Stand treated timber sale #63-025-09-01, "C23 Oak & Pine". Cut in 2013. Year of origin on oak is 1910.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	38	Sapling	2	10
White Oak	5	Log/Pole	12	
Bigtooth Aspen	30	Sapling	2	
Black/Red (Hybrid) Oak	10	Log/Pole	12	116
Black Cherry	15	Sapling	1	
White Pine	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Medium	< 5 feet	< 5 feet
White Oak	Medium	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
35	4130 - Aspen	Sapling Well	51.5	6	Unspecified	N/A	Stand was clearcut in Spring/Summer 2020 with sale # "63-030-18", "Habitat Aspen". Stand also treated timber sale #63-002-66-A, cut in 1970.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	1	
Bigtooth Aspen	70	Sapling	1	6
Black/Red (Hybrid) Oak	5	Sapling	1	
Black Cherry	10	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
36	4130 - Aspen	Poletimber Well	11.0	37	Unspecified	N/A	Stand treated timber sale in 1989.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	65	Pole/Sapling	6	37
Red Maple	20	Pole/Sapling	5	
Black/Red (Hybrid) Oak	10	Sapling/Pole	4	
White Oak	5	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Blackberry/Raspberry	Low	< 5 feet	< 5 feet
Black Cherry	Medium	5 - 10 feet	5 - 10 feet
White Oak	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site
37	429 - Mixed Upland Conifers	Sawtimber Well	43.7	110	111-140	N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Log/Pole	10	
Red Maple	20	Pole/Log	9	
Yellow Birch	5	Pole/Log/Sap	7	
White Pine	20	Pole/Log	8	
Hemlock	25	Pole/Log	8	
Northern White Cedar	25	Log/Pole	10	110

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	4199 - Other Mixed Upland Deciduous	Sapling Well	45.5	16	1-50	N/A	Stand treated timber sale #63-025-09-01, "C23 Oak & Pine".

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log	13	110
White Oak	5	Log/Pole	10	
Red Maple	5	Log/Pole	10	
Red Pine	5	Log/Pole	12	
Bigtooth Aspen	10	Sapling	2	
Black/Red (Hybrid) Oak	30	Sapling	2	16
Red Maple	25	Sapling	2	
Black Cherry	10	Sapling	2	
White Oak	5	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	< 5 feet	< 5 feet
White Oak	Low	< 5 feet	< 5 feet
Red Maple	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	4130 - Aspen	Sapling Medium	50.1	6	Unspecified	N/A	Stand was clearcut in Spring/Summer 2020 with sale # "63-030-18", "Habitat Aspen". Stand also treated timber sale #63-039-09-01, "24th Training". Previous Year of Origin: 1975.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Sapling	1	
Bigtooth Aspen	65	Sapling	1	6
Black/Red (Hybrid) Oak	10	Sapling	1	
White Oak	5	Sapling	1	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
40	6230 - Cattail	None	17.5			No	Sanborn Creek floodplain and swamp.Occasionalcedar, hemlock, and white pine.

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Medium	Not Applicable	Not Applicable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
41	42200 - Natural White Pine	Poletimber Medium	18.9	40	51-80	N/A	Stand treated timber sale #63-009-09-01, "C23 Mix". Sale closed 04/21/2015. White pine released in 1990.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	85	Pole/Sapling	7	40
Red Oak	8	Log/Pole	10	
Red Maple	2	Pole/Log	8	
White Oak	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
White Oak	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
42	6230 - Cattail	None	12.5			No	Sanborn Creek floodplain and swamp.Occasional cedar, hemlock, andwhite pine.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Cattail spp.	Medium	Not Applicable	Not Applicable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
43	4199 - Other Mixed Upland Deciduous	Sapling Medium	24.4	15	1-50	N/A	Stand treated timber sale #63-009-09-01, "C23 Mix". Occasional R/B oak, red maple,and white oak L-P.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	5	Log	16	110
White Oak	5	Log	12	
Black/Red (Hybrid) Oak	25	Sapling	2	15
Red Maple	30	Sapling	2	15
White Oak	20	Sapling	2	
Black Cherry	15	Sapling	2	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	4131 - Aspen, Oak	Poletimber Well	137.3	36	Unspecified	N/A	Autumn olive planted around wildlife opening. Occasional jack pine and black cherry. Excellent hawthorn regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	60	Pole/Sapling	5	36
Red Maple	15	Pole/Sapling	5	
Black/Red (Hybrid) Oak	10	Sapling/Pole	3	
White Oak	10	Sapling/Pole	3	
White Pine	5	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Autumn Olive	Low	5 - 10 feet	5 - 10 feet
Hawthorn (spp.)	Medium	5 - 10 feet	5 - 10 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	4130 - Aspen	Sapling Well	51.4	25	Immature	N/A	Stand treated timber sale #63-207-98-01 in 2001.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	60	Sapling/Pole	3	25
Red Maple	10	Sapling/Pole	3	
Black/Red (Hybrid) Oak	10	Sapling	2	
White Oak	5	Sapling	2	
Black Cherry	5	Sapling	2	
White Pine	10	Log/Pole/Sap	16	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
47	4119 - Mixed Northern Hardwoods	Sapling Poor	59.9	15	1-50	N/A	Stand treated timber sale #63-053-10-01, "Big Rock Oak".

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	10	Log/Pole	14	118
White Oak	5	Log/Pole	10	
Red Maple	60	Sapling	3	15
White Pine	10	Pole/Log	8	
Black Cherry	5	Sapling	2	
Red Oak	5	Sapling	2	
White Oak	5	Sapling	2	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable
Red Maple	Medium	Variable	Variable
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
48	4199 - Other Mixed Upland Deciduous	Sapling Medium	88.5	15	1-50	N/A	Stand treated timber sale #63-009-09-01, "C23 Mix". Stand has an rx burn scheduled. The lines for the burn have been plowed out. Stand data will change post burn.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	5	Log	15	120
White Oak	5	Log/Pole	10	
Red Maple	2	Log/Pole	10	
White Pine	7	Pole/Log	9	
Red Maple	35	Sapling	2	15
Bigtooth Aspen	11	Sapling	2	
White Pine	5	Sapling	2	
Black Cherry	10	Sapling	2	
Red Oak	15	Sapling	1	
White Oak	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	10 - 20 feet	10 - 20 feet
Red Maple	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	4130 - Aspen	Sapling Well	6.4	16	Immature	N/A	Stand treated timber sale #630390801, "32nd Street Mix". Cut summer of 2010. Previous year of origin = 1916 (on oak).

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	80	Sapling	2	16
Red Maple	10	Sapling	2	
Black/Red (Hybrid) Oak	5	Sapling	1	
White Oak	5	Sapling	1	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
50	4131 - Aspen, Oak	Sapling Well	16.7	25	Immature	N/A	Stand treated timber sale #63-207-98-01 in 2001.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	60	Sapling	3	25
Black/Red (Hybrid) Oak	20	Sapling	2	
White Oak	5	Sapling	2	
Red Maple	5	Sapling	2	
Black Cherry	5	Sapling	2	
White Pine	5	Sapling	3	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
51	42100 - Planted White Pine	Poletimber Medium	13.7	64	81-110	N/A	Stand was treated in Spring/Summer 2020, sale # "63-031-18", "White Pine Thinning". Cut two leave two pattern. White pine planted per FTP# 63-85 in May 1962.

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	95	Pole/Log	8	64
Black/Red (Hybrid) Oak	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
52	4131 - Aspen, Oak	Poletimber Well	23.0	25	Immature	N/A	Stand treated timber sale #63-207-98-01, "Sanborn Creek Aspen".

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	65	Pole/Sapling	6	25
Black/Red (Hybrid) Oak	15	Sapling/Pole	3	
White Oak	5	Sapling/Pole	2	
Red Maple	10	Sapling/Pole	4	
White Pine	5	Pole/Log	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
53	4131 - Aspen, Oak	Sapling Well	22.7	16	Immature	N/A	Stand treated timber sale #630390801, 32nd Street Mix. Cut summer of 2010. Previous year of origin = 1949.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	55	Sapling	2	16
Red Maple	20	Sapling	2	
Black/Red (Hybrid) Oak	15	Sapling	2	
White Oak	5	Sapling	1	
Black/Red (Hybrid) Oak	5	Log	10	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
54	4199 - Other Mixed Upland Deciduous	Sapling Poor	6.5	16	Immature	N/A	Stand treated timber sale #630390801, "32nd Street Mix". Cut summer of 2010. Previous year of origin = 1957 on red pine.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	10	Sapling	2	
White Pine	10	Sapling	2	
Bigtooth Aspen	30	Sapling	2	
Red Maple	50	Sapling	2	16

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
55	42100 - Planted White Pine	Poletimber Medium	60.8	64	81-110	N/A	Stand was treated in Spring/Summer 2020, sale # "63-031-18", "White Pine Thinning". Cut two leave two pattern.Areas of red pine (1957) interplanted with white pine (1962). RP FTP #5, Sept. 1957. WP FTP #84, May 1962. Occasional black and white oak, Red mapleand aspen.2026: White pine and oak types filling in nicely.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Pole/Log/Sap	7	
Black/Red (Hybrid) Oak	5	Pole/Log/Sap	8	
Bigtooth Aspen	5	Pole/Log/Sap	6	
Red Pine	25	Pole/Log/Sap	8	
White Pine	60	Pole/Log	9	64

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	Variable	Variable
White Pine	High	< 5 feet	< 5 feet
White Oak	Medium	>20 feet	>20 feet
Red Maple	Low	Variable	Variable
Black/Red (Hybrid) Oak	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	4139 - Aspen, Mixed Deciduous	Sapling Well	29.7	25	Immature	N/A	Stand treated 2001 sale #63-207-98-01.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Sapling	2	
Black/Red (Hybrid) Oak	10	Sapling	3	
Red Maple	35	Sapling/Pole	3	
Bigtooth Aspen	50	Sapling/Pole	4	25

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
57	4124 - Red with White Oak	Sawtimber Medium	119.6	106	51-80	N/A	Stand treated timbersale #63-009-09-01, "C23 Mix". Occasionaloverstory white and Red Pine L-P.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	10	
White Oak	20	Log/Pole	10	
Red Oak	65	Log/Pole	12	106
Red Pine	2	Log/Pole	10	
White Pine	3	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Oak	Low	< 5 feet	< 5 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	< 5 feet	< 5 feet

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
58	4125 - Black, N. Pin Oak	Poletimber Well	4.6	45	1-50	N/A	Note from 2016: Timber sale for firewood done between 1965 - 1977. Good stump sprouts as well as single stem regen.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Sapling/Pole	4	
White Pine	3	Pole/Sap/Log	9	
Red Maple	12	Pole/Sapling	5	
White Oak	15	Pole/Sapling	5	
Black/Red (Hybrid) Oak	65	Pole/Sapling	6	45

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	123 - Other High Intensity Urban	None	10.1			No	Powerline

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	42200 - Natural White Pine	Poletimber Well	15.5	56	81-110	N/A	Stand treated timber sale #63-025-09-01, "C23 Oak & Pine".

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Pole/Sapling	5	
Red Maple	5	Pole/Log/Sap	6	
Black/Red (Hybrid) Oak	8	Pole/Log/Sap	6	
White Pine	80	Pole/Log/Sap	9	56
Red Pine	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	< 5 feet	< 5 feet
Black Cherry	Low	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Medium	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
61	42200 - Natural White Pine	Poletimber Well	26.8	60	171-200	N/A	Stand treated sale#63-218-98-01. Released heavy stocked understory of white pine.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	1	Pole/Log	8	
Red Maple	2	Pole/Log	8	
Bigtooth Aspen	2	Pole/Sap/Log	8	
White Oak	5	Pole/Sapling	6	
Black/Red (Hybrid) Oak	5	Pole/Sapling	7	
White Pine	85	Log/Pole	10	60

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Medium	Variable	Variable
Black/Red (Hybrid) Oak	Medium	Variable	Variable
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	4126 - White, Black, N. Pin Oak	Sawtimber Well	117.1	112	111-140	N/A	Stand treated timber sale #63-209-98-01 in 2001.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole/Log	9	
White Oak	20	Log/Pole	11	
Black/Red (Hybrid) Oak	65	Log/Pole	14	112
Bigtooth Aspen	5	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	10 - 20 feet	10 - 20 feet
White Oak	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
63	429 - Mixed Upland Conifers	Poletimber Well	24.0	110	111-140	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Log/Pole	10	
Red Maple	20	Pole/Log	9	
White Pine	20	Pole/Log	8	
Hemlock	25	Pole/Log	8	
Northern White Cedar	30	Pole/Log	9	110

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	6112 - Lowland Aspen	Sapling Poor	20.2	15	1-50	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	5	Pole/Log	8	
Northern White Cedar	5	Pole/Log	8	
Red Maple	30	Sapling	2	
Bigtooth Aspen	60	Sapling	2	15

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	6112 - Lowland Aspen	Unspecifed	4.0	10	Immature		Wildlife habitat cut for lowland aspen.

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
66	42250 - Pine, Oak	Poletimber Well	7.0	50	111-140	N/A	Stand treated sale# 63-220-98-01.

Canopy Species	% Cover	Size Class	DBH	Age
Red Pine	5	Log/Pole	10	
Red Maple	5	Pole/Log	8	
White Oak	10	Log/Pole	10	
Black/Red (Hybrid) Oak	20	Log/Pole	12	
White Pine	60	Pole/Log	8	50

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	Variable	Variable
White Oak	Medium	Variable	Variable
Black/Red (Hybrid) Oak	Medium	Variable	Variable
Red Maple	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	4124 - Red with White Oak	Sawtimber Well	54.4	110	81-110	N/A	Stand was originally part of Stand 1, but was split post-harvest (Sale name Oak Burn 63-028-18). Dense red maple understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	70	Log/XLog	17	110
White Oak	20	Log/Pole	12	
White Pine	5	Pole/Log	8	
Black Cherry	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	Low	< 5 feet	< 5 feet
Red Maple	High	Variable	Variable
Black Cherry	Medium	< 5 feet	< 5 feet
Red Oak	Low	< 5 feet	< 5 feet
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Sassafras	Low	Variable	Variable
White Pine	Low	5 - 10 feet	5 - 10 feet

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	4126 - White, Black, N. Pin Oak	Sawtimber Well	2.6	110	111-140	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	8	
White Oak	30	Log/Pole	12	
Black/Red (Hybrid) Oak	65	Log/Pole/XLog	14	110

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	4126 - White, Black, N. Pin Oak	Poletimber Well	10.9	115	51-80	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Pole/Log	9	
Red Maple	20	Pole/Log/Sap	7	
White Oak	30	Pole/Log	8	
Black/Red (Hybrid) Oak	45	Pole/Log	9	115

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak	Low	< 5 feet	< 5 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	4130 - Aspen	Sapling Well	9.8	38	Unspecified	N/A	Stand treated timber sale#163-012-88-01.Small diameter aspen for the age.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	5	Sapling	2	
White Oak	5	Sapling	3	
Black/Red (Hybrid) Oak	5	Sapling	3	
Red Maple	15	Sapling/Pole	4	
Bigtooth Aspen	70	Sapling/Pole	4	38

Sub-Canopy Species	Density	Avg. Height	Size
Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
Witch Hazel	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	110 - Low Intensity Urban	None	23.9			No	Powerline. Runs the full length of the compartment on the western edge.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
72	3102 - Grass	None	1.4			No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
73	4124 - Red with White Oak	Sawtimber Well	0.9	115	81-110	N/A	Stand thinned per timber sale #63-208-98-01.

Canopy Species	% Cover	Size Class	DBH	Age
Red Oak	55	Log/Pole	12	115
White Oak	30	Log/Pole	10	
Red Maple	10	Log/Pole	10	
White Pine	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	< 5 feet	< 5 feet
Red Maple	High	Variable	Variable
Red Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
74	42101 - Planted White Pine, Mixed Deciduous	Poletimber Well	7.9	36	111-140	N/A	White pine released in 1990 per timber sale #63.218-98-01. Stand planted per FTP #131 in May 1967.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	5	Pole/Sapling	7	
Black/Red (Hybrid) Oak	15	Pole/Log	8	
Jack Pine	5	Pole/Log	8	
Red Maple	10	Pole/Log/Sap	6	
White Pine	65	Pole/Sap/Log	8	36

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Medium	< 5 feet	< 5 feet
Black/Red (Hybrid) Oak	Medium	Variable	Variable
Red Maple	Medium	Variable	Variable
White Oak	Medium	< 5 feet	< 5 feet
White Pine	High	Variable	Variable

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
76	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	14.7	55	111-140	N/A	Stand is mostly on steep side slope and loggers were not able to cut this area in adjacent timber sale. Pocket of overstory white pine, red pine, and white oak. Occasional jack pine pulp.

Canopy Species	% Cover	Size Class	DBH	Age
White Oak	10	Pole/Log	9	
Black/Red (Hybrid) Oak	10	Log/Pole	10	
White Pine	15	Log/Pole	10	
Red Pine	65	Pole/Log	9	55

Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
77	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.9	45	51-80	N/A	Stand treated timber sales #16-72 and 18-72 in 1973. Oak sapling ~3" dbh = 24 rings.

Canopy Species	% Cover	Size Class	DBH	Age
Black/Red (Hybrid) Oak	40	Pole/Sapling	6	45
White Oak	15	Pole/Sapling	5	
Jack Pine	25	Pole/Log	8	
Quaking Aspen	10	Pole	8	
Black Cherry	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Oak	High	Variable	Variable
Black Cherry	Medium	Variable	Variable
Witch Hazel	Medium	5 - 10 feet	5 - 10 feet
Hawthorn (spp.)	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak	High	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
82	4126 - White, Black, N. Pin Oak	Sawtimber Well	57.6	118	111-140	N/A	Occasional white pine in the overstory. Understory white pine is heavier in the northern portion of thestand. Oak quality increases in the northern portion of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	5	Pole/Log	9	
Red Maple	15	Pole/Log/Sap	9	
White Oak	30	Log/Pole	11	
Black/Red (Hybrid) Oak	50	Log/Pole	13	118

Sub-Canopy Species	Density	Avg. Height	Size
Witch Hazel	Low	5 - 10 feet	5 - 10 feet
Red Maple	High	5 - 10 feet	5 - 10 feet
White Pine	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
83	500 - Water	None	11.1			No	Sanborn Creek floodplain and swamp.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
84	500 - Water	None	5.5			No	Sanborn Creek flooding.Active beaver lodge.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
85	4199 - Other Mixed Upland Deciduous	Sapling Well	7.6	16	1-50	N/A	Stand treated timber sale #63-035-08-01, "North V South". Overstory red oak, white oak, red maple, andwhite pine scattered throughoutstand.

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	30	Sapling	2	
Red Maple	40	Sapling	2	16
White Oak	5	Log	14	
Red Oak	10	Log	16	111
Black Cherry	10	Sapling	2	
White Pine	5	Sapling	2	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
97	4125 - Black, N. Pin Oak	Poletimber Well	16.8	47	81-110	N/A	

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	
Black Cherry	10	Pole/Sapling	5	
Bigtooth Aspen	15	Pole	6	
White Oak	15	Sapling/Pole	4	
Black/Red (Hybrid) Oak	55	Pole/Sapling	5	47

401	3105 - Mixed Upland Herbaceous	None	0.8				Vacated exploratory well site. Created in the summer of 2006.
412	3105 - Mixed Upland Herbaceous	None	3.0			Yes	Maintained Wildlife Opening
421	3105 - Mixed Upland Herbaceous	None	5.5			Yes	Maintained Wildlife Opening
441	2113 - Forage Crops	None	1.2			Yes	Maintained Wildlife Opening
442	3105 - Mixed Upland Herbaceous	None	2.1			Yes	Maintained Wildlife Opening
443	3105 - Mixed Upland Herbaceous	None	4.1			Yes	Maintained Wildlife Opening
463	2113 - Forage Crops	None	3.7			Yes	Maintained Wildlife Opening

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