

Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61116 Entry Year 2026 Acreage: 2,058 County Kalkaska Management Area: Kalkaska Sandy Moraines

Stand Examiner: Thomas Peterson III

Legal Description:

T27N R5W Sections 21, 22, 23, and 24

Identified Planning Goals:

Compartment 116 is part of the Grayling Ice Contact management area. Management will strive to sustainably produce various forest products; enhance game and non-game wildlife habitat; protect areas of unique character; and provide for forest-based recreational uses. Expected trends within this 10-year planning period are increased recreational pressure, managing oil and gas development, introduced pests and diseases and the difficulty in regenerating oak. Much of the topography in this management area was sculpted by melting glaciers that dissected some of the ice-contact ridges into steep ridges with flat sandy outwash plains between. These ice contact ridges now support northern hardwood and oak stands while jack pine, red pine and mixed stands can be found on the plains. Specifically, forest management will aim to balance the age classes of aspen on suitable sites, thin northern hardwood stands, balance age classes of red pine and jack pine, and regenerate the aging oak resource. Much of Sections 23 and 24 are comprised of good quality northern hardwood and/or fair quality oak stands. Similar stands in the compartment to the north recently experienced a period of maple decline, stemming from being thinned then stressed by drought and multiple years of insect defoliation. There is evidence of some maple and oak mortality in the northern part of this compartment and the hardwood stands will be monitored for evidence of similar decline.

Soil and topography:

With the exception of the Black Creek corridor and other isolated depressions which have muck soils, the entire compartment is sandy soils. Slightly better soils are found in Sections 23 and 24. The topography in this compartment ranges from flat to slightly rolling. There are scattered kettle depressions, some of which are wet or seasonally wet.

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

This compartment is mostly surrounded by State land with a few exceptions. The entire west and north boundary of Section 21 adjoins private lands. Much of the west boundary is seasonal residences along Lake Valley Road. Some of the private land in Section 21 has been managed for timber. Much of the north boundary of Section 21 is shared with Camp Gan Israel, a 600-acre children's camp affiliated with a congregation in Walled Lake, MI. Section 21 SESW adjoins undeveloped private property to the south. Section 23 SESW and SWSE join private property to the south, which is multiple year-round and seasonal residences accessed from North Forest Trail.

Unique Natural Features:

There are two observations of Hill's thistle (state SC) and most of the compartment is potential habitat for the Massasauga rattlesnake.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Section 24 is part of the long-term lease with Camp Grayling for military training. As a tributary of the Manistee River, Black Creek and its tributaries are protected by Natural Rivers designation.

Watershed and Fisheries Considerations:

South Black Lake is partially within the compartment and Black Creek, a tributary of the upper Manistee River, flows through the compartment. Black Creek is a Designated Trout Stream that contained brook trout at one time. Recent fish surveys have failed to find any trout. Beavers have had a significant impact on Black Creek and may have destroyed any potential trout habitat. There are two small kettle lakes in Section 21.

Wildlife Habitat Considerations:

The bulk of compartment 116 encompasses two ice contact ridge complexes. Also, there is a narrow north/south band of outwash plain through section 21 near the west end of the compartment. State land in this compartment is contiguous with the only private land being concentrated at the west end.

The ridges and hills in this compartment are generally steep with a sandy, dry soil. Northern hardwoods are the dominate 7/3/2024 3:56:09 PM - Page 1 of 2 SAJJ

community of this glacial landform. However, in this portion of state forest you can also find aspen, oak, grassland, shrubland, as well as several red pine plantations. Final harvests of deciduous species should leave residuals of conifers and/or mast producing vegetation, either in clumps or scattered, for the benefit of wildlife. The shrub and grass communities can be found in the draws and gullies between the ridges where wildfires were more apt to occur. These "open" communities should be maintained by periodic burning. Wildlife species likely to be found in these hilly forests and open ravines could include white-tailed deer, northern flicker, rose-breasted grosbeak, hog-nosed snake, and broadwinged hawk.

The outwash plain follows Black Creek, which drains the Black Lakes into the Manistee River. Open water, marshes, lowland brush, and stands of lowland conifers can be found along this riparian corridor. No activities are proposed in these communities, for several reasons, including limited access because of high water tables and stream crossings, lack of necessity for treatment, and the fragile nature of these wetland communities. The natural dynamics of these systems will be left to their own schedule.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and post-glacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have an economic use. A gravel pit is located one mile to the south and potential is considered good. This area is located four miles south of Niagaran reef trend and the Antrim Shale gas play, but potential is limited for these plays. There are no State leases at this time.

Vehicle Access:

There is sufficient vehicle access throughout the compartment, although many of the seasonal county roads (Forest Trail and Black Lake Road) are in poor condition and could not support truck traffic. Black Creek flows through a culvert under Black Lake Road and this culvert needs attention before supporting truck traffic.

Survey Needs:

There are no survey needs at this time.

Recreational Facilities and Opportunities:

The Kalkaska ORV trails runs through Sections 22 and 24. This ORV trail is 50 inches in width, designed for ATV and motorcycle use. Appropriate trail protection specifications should be used to protect the trail where treatments are prescribed. Snowmobile use is relatively high along the Blue Lake Road corridor and coming off the pipeline in the east half of Section 24. (T.M.N. 5/15/14).

Fire Protection:

The potential for catastrophic wildfire in this compartment is relatively low due to its timber types. Open spaces, sparser canopies in mixed stands, and northern hardwood stands would also serve as natural firebreak. Numerous fire-scarred stumps and tree trunks throughout the compartment, however, suggest that past fire was critical in shaping its current composition. Fire protection would be provided by the Kalkaska FRD office and the Bear Lake Fire Department.

Additional Compartment Information:

OI noted evidence of old settlements and fruit trees in Section 23 and there are multiple old railroad grades.

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

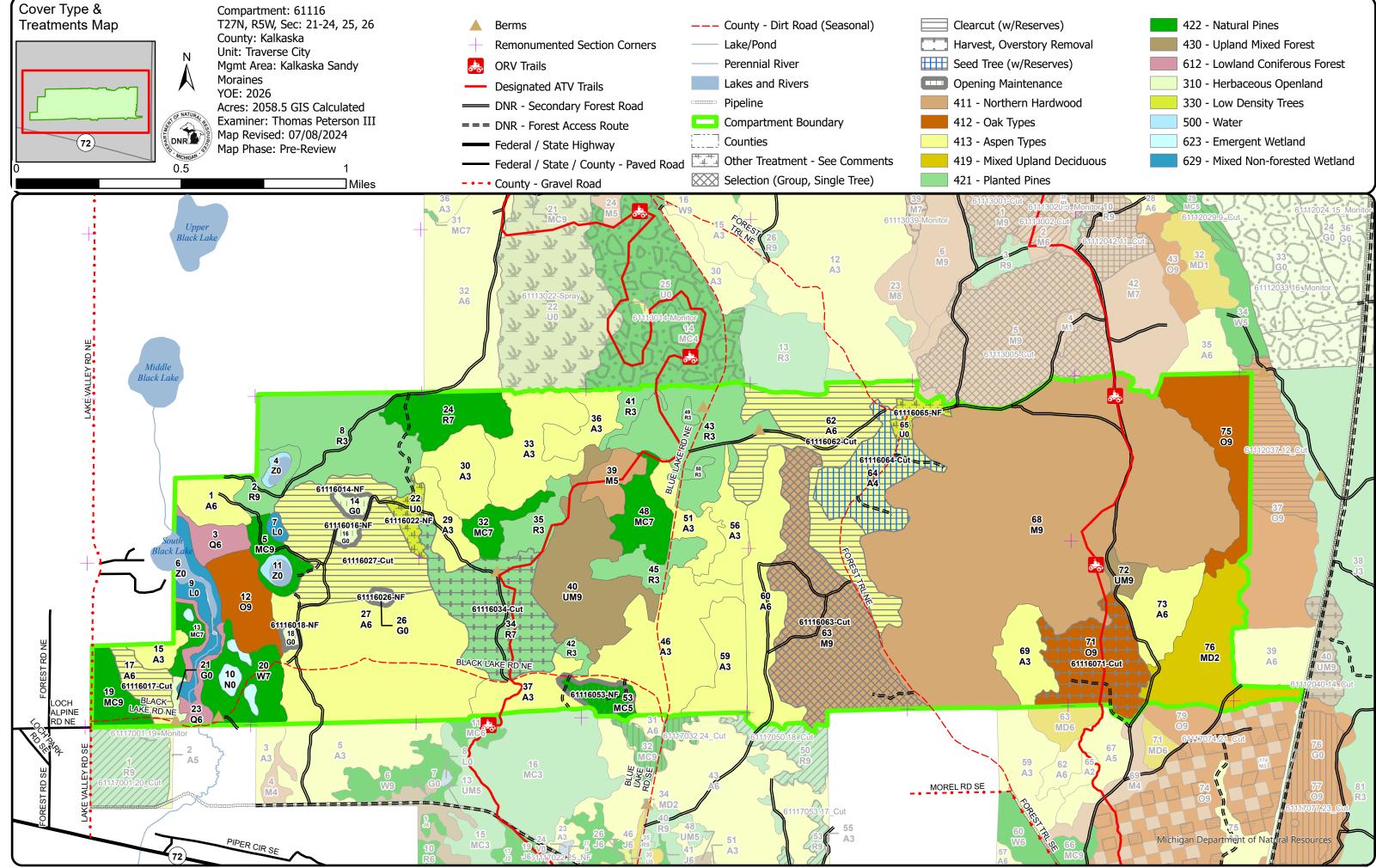
The following information is displayed, where pertinent, on the attached compartment maps:

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

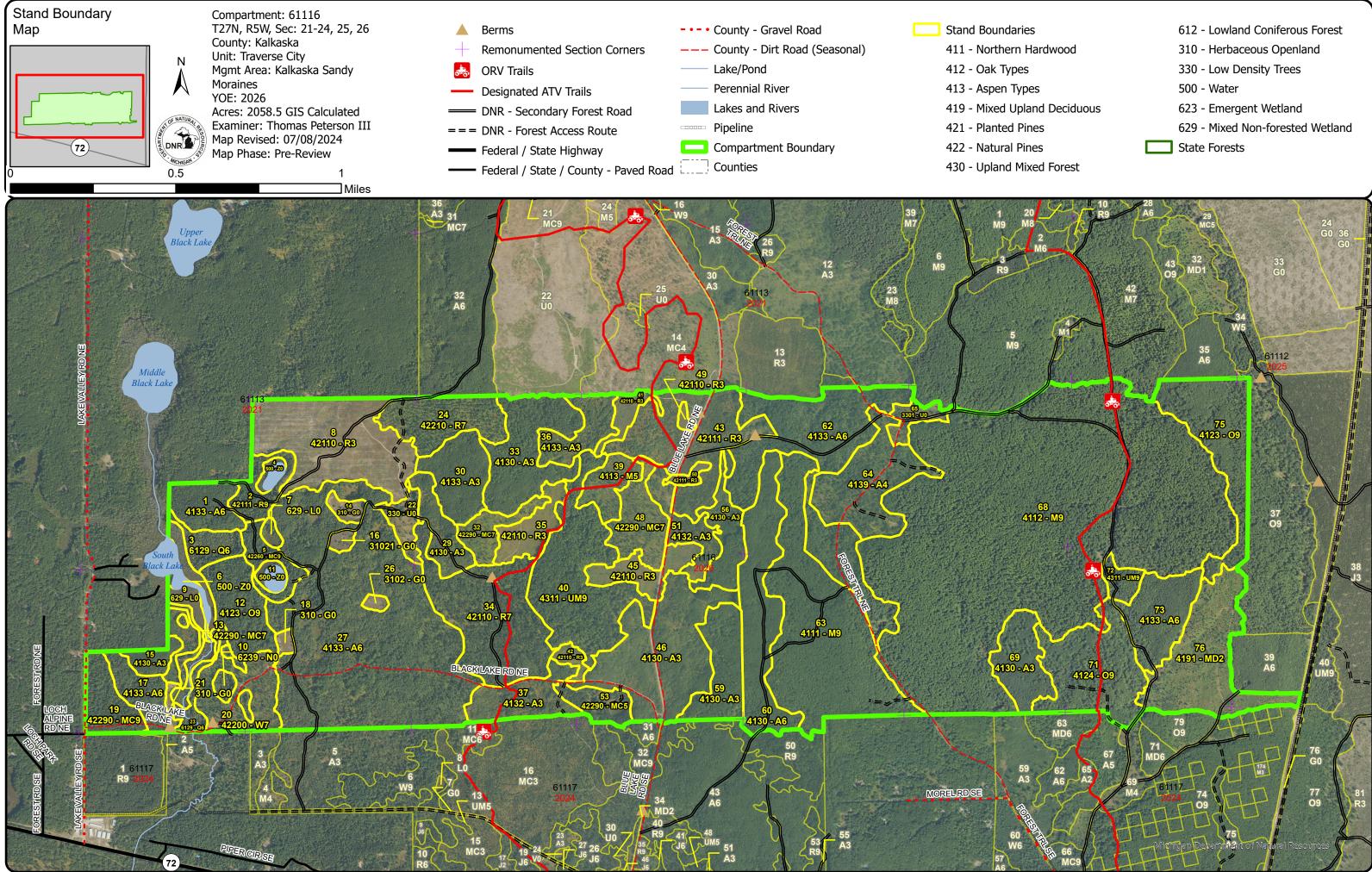
Proposed treatments

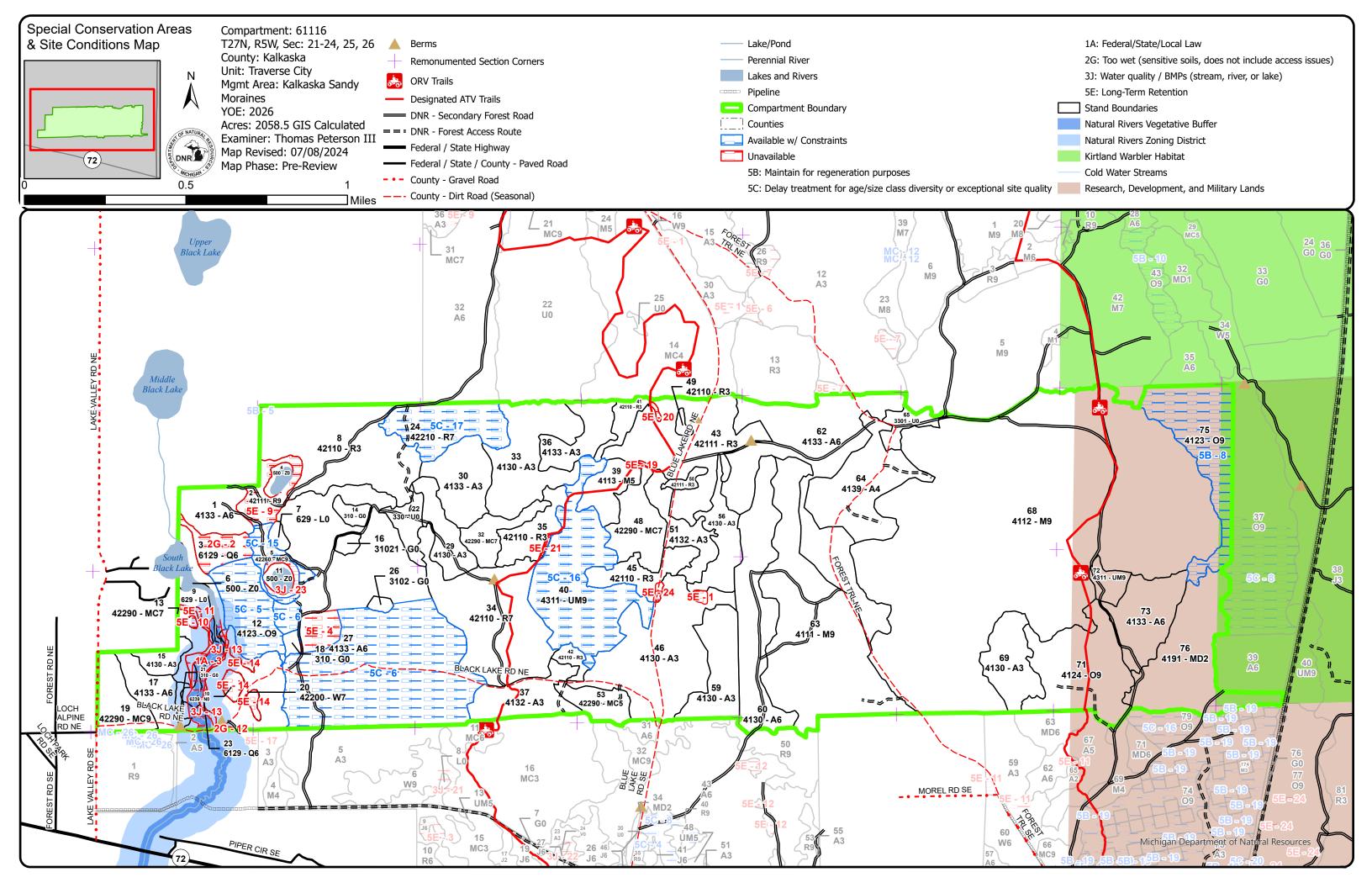
Site condition boundaries

Details on the road access system

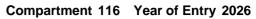


Reserves)	422 - Natural Pines
rstory Removal	430 - Upland Mixed Forest
/Reserves)	612 - Lowland Coniferous Forest
ntenance	310 - Herbaceous Openland
rn Hardwood	330 - Low Density Trees
pes	500 - Water
Types	623 - Emergent Wetland
Upland Deciduous	629 - Mixed Non-forested Wetland





Thomas Peterson III : Examiner





Age Class

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Aspen	0	0	145	119	108	356	15	0	0	0	0	0	0	0	0	0	0	0	742
Herbaceous Openland	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Low-Density Trees	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	11	10	0	0	0	0	0	0	0	0	0	21
Lowland Shrub	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	58	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	58
Natural Mixed Pines	0	0	0	0	0	0	0	12	0	38	35	0	0	0	0	0	0	0	85
Northern Hardwood	0	0	0	0	0	0	0	0	14	0	550	0	0	0	0	0	0	0	564
Oak	0	0	0	0	0	0	0	0	0	51	75	0	0	0	0	0	0	0	126
Red Pine	0	119	58	0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	288
Upland Mixed Forest	0	0	0	0	0	0	7	0	0	69	0	0	0	0	0	0	0	0	75
Water	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
White Pine	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	0	29
Total	71	177	203	119	108	356	22	52	24	269	660	0	0	0	0	0	0	0	2059



Traverse City Mgt. Unit
Year of Entry: 2026

Acres of Harvest Commercial Harvest - 449 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

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Aspen		177	0	0	44	0	0	0	0	0	221	[
Northern Hardwood		0	109	0	0	0	0	0	0	0	109	
Oak		0	0	0	0	0	0	51	0	0	51	
Red Pine		0	0	0	0	0	0	67	0	0	67	
	Total	177	109	0	44	0	0	118	0	0	449	

Proposed and Next Step Treatments by Method

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Current		449	0	0	0	0	0	0	0	39	487	
Next Step		0	436	109	0	0	109	330	218	0	1203	
	Total	449	436	109	0	0	109	330	218	39	1690	

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S t										Year of Entr	y: 2026	DNR .
a n d	Treati Nar		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18	3 61116	018-NF	2.3 3	310 - Herbaceous Openland	Nonstocke	əd	Unspec ified	NonForestMgt	Herbaceous/Crop /Grass Planting	3105 - Mixed Upland Herbaceous		No
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	escription becs:	and/or	conifers for	wildlife food and	cover. Plar	nt site ap	opropriate	anative shrubs a	inity. Leave scatter ind/or mast produci in native grasses a	ng trees for wildli		
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	escription becs:	should		for early spring a					native seed mixes a uch as mowing, fert			
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Report 3 -- Treatments

Compartment: 116



dNameCoverTypeDensityAgeRangeTypeMethodO2761116027-Cut75.04133 - Aspen, Mixed PinePoletimber4951-80HarvestClearcut with Retention41Prescription Specs.Clearcut around 1/3 to 1/2 of stand 27.Standard area retention is mapped out in MIF1 around two unique them. In addition to standard area retention mark to leave less than one tree per acre scattered while pin legacy trees within stand for vertical structure / seed source for stand. Add Drumming log spec to sale du Next Step.Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Regen:Fully stocked stand of aspen, with any component of pine or mixed deciduousRegen: Comment:07.23461116034-Cut67.28461116034-Cut67.292Acceptable Red PinePrescription Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one specs:Specs: equipment in them during harvest.Next Step Treatments:Acceptable Regen:Fully Stocked Stand of Aspen, with Pockets of Jack pine.State Condition Proposed Start Date;1011/2025535361116053-NF10.042290 - Natural Mixed PinePrescription Comment:Site Condition Proposed Start Date;1011/2025535361116053-NF10.042290 - Natural Mixed PinePoletimber Medium<	pine, white oa	ak in addition to	
Mixed Pine Well Retention Prescription Specs: Clearcut around 1/3 to 1/2 of stand 27. Standard area retention is mapped out in MIFI around two unique them. In addition to standard area retention mark to leave less than one tree per acre scattered while pin legacy trees within stand for vertical structure / seed source for stand. Add Drumming log spec to sale do Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable Regen: Fully stocked stand of aspen, with any component of pine or mixed deciduous Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 34 61116034-Cut 67.2 42110 - Planted Sawtimber 85 1-50 Harvest Prescription Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable to equipment in them during harvest. Next Step. Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Other Comment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered mixed Pine Prescription Selectively fell woody encroachment	que kettle hole pine, white oa	es in order to pro ak in addition to	otect
Specs: them. In addition to standard area retention mark to leave less than one tree per acre scattered white pin legacy trees within stand for vertical structure / seed source for stand. Add Drumming log spec to sale du Next Step. Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable. Acceptable. Fully stocked stand of aspen, with any component of pine or mixed deciduous Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 34 61116034-Cut 67.2 42110 - Planted Sawtimber 85 1-50 Harvest Overstory 413 Red Pine Poor Removal J Prescription Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable fequences. Next Step. Treatments: Acceptable. Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Poletimber 60 51-80 NonForestMgt Brush Cutting 32/2	pine, white oa	ak in addition to	
Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 34 61116034-Cut 67.2 42110 - Planted Sawtimber 85 1-50 Harvest Overstory 413 Red Pine Poor Removal J Prescription Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable tequipment in them during harvest. Next Step Treatments: Acceptable Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Poletimber 60 51-80 NonForestMgt Brush Cutting 32/U Mixed Pine Medium Medium 60 51-80 NonForestMgt Brush Cutting 32/U Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m Specs. and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tor			
Proposed Start Date: 10/1 /2025 34 61116034-Cut 67.2 42110 - Planted Sawtimber 85 1-50 Harvest Overstory 413 Red Pine Poor 1-50 Harvest Overstory 413 Removal J Prescription Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable tequipment in them during harvest. Next Step. Treatments: Acceptable Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Omment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Poletimber 60 51-80 NonForestMgt Brush Cutting 32/2 Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing the appropriate native shrubs and/or mast producing the structure of the struct			
34 61116034-Cut 67.2 42110 - Planted Red Pine Sawtimber Poor 85 1-50 Harvest Removal Overstory Removal 413 Semoval Prescription Specs: Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable te equipment in them during harvest. Next Step Treatments: Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Mixed Pine Medium Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tree			
Red Pine Poor Removal J Prescription Specs: Remove overstory from stand. Cut all trees greater than 4.5 inches in DBH that you can get at least one area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable to equipment in them during harvest. Next Step Treatments: Image: Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Mixed Pine Medium 60 51-80 NonForestMgt Brush Cutting Up 32/Up Prescription Specs: Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tree			
Specs: area retention in stand. Protect all advance regeneration during harvest. Pockets with no merchantable to equipment in them during harvest. Next Step Treatments: Image: Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Poletimber 60 51-80 NonForestMgt Brush Cutting 324 Up Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tree	4132 - Aspen, Jack Pine	Even-Aged	No
Treatments: Acceptable Regen: Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Mixed Pine Poletimber 60 51-80 NonForestMgt Brush Cutting Up 32 Up Prescription Specs: Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tree			
Acceptable Regen: Fully Stocked Stand of Aspen, with Pockets of Jack pine. Stand can have any mixture of red pine, white Regen: Other Comment: Site Condition Site Condition Proposed Start Date: 10/1 /2025 53 61116053-NF 10.0 42290 - Natural Mixed Pine Poletimber 60 51-80 NonForestMgt Brush Cutting Up 32 Up Prescription Specs: Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m Specs: Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m			
Mixed Pine Medium Up Prescription Selectively fell woody encroachment to maintain upland brush/grassland community. Leave scattered m Up Specs: and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tree			
Specs: and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing tre	3205 - Mixed Upland Shrub		No
need to fertilize plantings and protect with wire cages or tubex. Could also seed in native grasses and fo	trees for wildli		
Treatments: Acceptable Regen:			
Other Part of stand 53 was an upland brush stand but woody encroachment has continued in the absence of op Comment: Other		ntenance or nati	ural
Site Condition			
Proposed Start Date: 10/1 /2025			

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Report 3 -- Treatments

Compartment: 116



a Treatment Name Area Stand CoverType Size Density Size Mage Stand Range Treatment Type Treatment Method Cover Type Objective Age Structure 62 61116062-Cut Mixed Pine 86.9 4133-Aspen Mixed Pine Poletimber Weil 48 51-80 Harvest Clearcut with Retention 413-Aspen Mixed Pine Ever-Aged Mixed Pine Prescription Clear cut stand with standard area retention. Write up. Monitoring, Natural Regen (Re-Inventory) Ever-Aged Mixed Pine Nonkinoring, Natural Regen (Re-Inventory) Exact Step Mixed Pine Monitoring, Natural Regen (Re-Inventory) Itesting Comment: Step Step Step Condition Fully to moderately stocked stand of aspen, with pine and cak component. Essen: Essen: State Condition Proposed Stan Date: 101 / 2025 State Mixed Pine Yei Mixed Pine Response Weil 170 Harvest Single Tree Mixed Pine 411 - Northern Two-Aged Hardwood State Condition Presciption Mark stand down to average baseal area of 90. Use hardwood marking guidelines to mark stand. Selection Harvest Selection Harvest <th>S t</th> <th></th> <th></th> <th></th> <th></th> <th>-</th> <th></th> <th></th> <th></th> <th>Year of Entr</th> <th>y: 2026</th> <th></th>	S t					-				Year of Entr	y: 2026	
Mixed Pine Well Retention Mixed Pine Prescription Clear cut stand with standard area retention. Mark to leave Less than one tree per acre, these trees species should consist of while pine or oak trees. Protect all red pine, while pine and oak under 5 inches in DBH during harvest. Add Drumming log spec to sale or write up. Next Step Mixed Pine Well Retention Mixed Pine Acceptable, Fully to moderately stocked stand of aspen, with pine and oak component. Regen: Comment: Other Comment: Site Condition Prescription Next Step Mixed Pine Yell Yell Fromosed Start Date: 10/1 / 2025 63 61116063-Cut 109.1 111 - SMaple, Sawtimber 92 141 - Harvest Single Tree 411 - Northern Two-Aged Hard Mast Well To To start are no smaller than 1 acre in size are bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep. Planting, Hardwood - Sapling: Other, Pre-Commercial Thinning - Hand; SitePrep, Teneching: SiteP Treatments: Next Step Acceptable Any Combination of sugar maple, as associator, role, useny means necessary to get them to desirable regenera	n Treati		Acres								-	Habitat Cut
Specs: red pine or cak trees. Protect all red pine, white pine and oak under 5 inches in DBH during harvest. Add Drumming log spec to sale of write up. Next Step. Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable. Acceptable. Fully to moderately stocked stand of aspen, with pine and oak component. Regen: Comment: Site Condition Proposed Start Date: 10/1 /2025 63 61116063-Cut 109.1 411 - S.Maple, Sawtimber 92 141- Harvest Single Tree 411 - Northern Two-Aged Hard Meast Well 170 Selection Hard Monod Selection Prescription Mark stand down to average basal area of 90. Use hardwood marking guidelines to mark stand. Selection Hard wood Specs: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size ar bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step. Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Regen: Other If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes b Commerci	62 611160	062-Cut	86.9			er 48	51-80	Harvest			Even-Aged	No
Treatments: Constraint Acceptable, Fully to moderately stocked stand of aspen, with pine and oak component. Regen: Comment: Site Condition Proposed Stant Date: 10/1 /2025 63 61116063-Cut 109.1 4111 - S.Maple, Sawtimber 92 141- Harvest Single Tree 411 - Northern Two-Aged Hard Mast Well 170 Selection Hardwood Hardwood Prescription Mark stand down to average basal area of 90. Use hardwood marking stand add 10 gaps that are no smaller than 1 acre in size ar bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep; Planting, Hardwood - Sapling; Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching; SitePrep, Roller Chopping, SitePrep, Other - Specify: Other, Pre-Commercial Thinning - Hand; Acceptable Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Regen: Other H gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes b Comment: Not Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Regen: H gaps fail to regenerate to acceptable regeneration, use any means necessary to get		red pine										
Regen: Other Comment: Site Condition Proposed Start Date: 109.1 4111 - S.Maple, Sawtimber 92 141- Harvest Single Tree 411 - Northern Two-Aged Hard Mast Well 170 Narvest Selection 411 - Northern Two-Aged HardWast Well 170 Narvest Selection 411 - Northern Two-Aged HardWood Association Vell 170 Narvest Stelection 411 - Northern Two-Aged HardWood Association Vell 170 Narvest Stelection 411 - Northern Two-Aged Spess: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size are solver there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep. Planting, Hardwood - Sapling; Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching; SiteP Teatments: Scarification; SitePrep, Roller Chopping; SitePrep, Other - Specify; Other, Pre-Commercial Thinning - Hand; Hardwood, oak, pine), sprayin kill unwanted species, or TSI cut to remove unwanted species. Other If gaps fail to regenerate to acceptable segeneration,		Monitorin	ig, Natura	al Regen (Re-Inver	ntory)							
Comment: Site Condition Proposed Start Date: 10/1 /2025 63 61116063-Cut 109.1 4111 - S.Maple, Sawtimber 92 141 Harvest Single Tree 411 - Northern Two-Aged Basciation Well 170 Mark stand down to average basal area of 90. Use hardwood marking guidelines to mark stand. Specs: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size ar bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep: Planting, Hardwood - Sapling: Other - Pre-Commercial Thinning - Hand: SitePrep, Trenching: SitePrep, Roller Chopping: SitePrep, Other - Specify: Other - Pre-Commercial Thinning - Hand: Acceptable Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Regen: If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes b Comment: Inf Limited to: scaffication, trenching, mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayin kill unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date: 10/1 /2025 64 61116064-Cut 43.9 4139 - Aspen, Poor </td <td>Regen:</td> <td>Fully to n</td> <td>noderatel</td> <td>y stocked stand of</td> <td>f aspen, wit</td> <td>h pine a</td> <td>and oak co</td> <td>omponent.</td> <td></td> <td></td> <td></td> <td></td>	Regen:	Fully to n	noderatel	y stocked stand of	f aspen, wit	h pine a	and oak co	omponent.				
Proposed Start Date: 10/1 / 2025 63 61116063-Cut 109.1 4111 - S.Maple, Association Sawtimber 92 141- Well Harvest Single Tree Selection 411 - Northern Hardwood Two-Aged Hardwood Prescription Mark stand down to average basal area of 90. Use hardwood marking guidelines to mark stand. Specs: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size ar bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep: Planting, Hardwood - Sapling: Other, Pre-Commercial Thinning - Hand; Scarification; SitePrep, Roller Chopping; SitePrep, Other - Specify; Other, Pre-Commercial Thinning - Hand; Acceptable Regen: Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Scarification; sitePrep, Tenching; mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayit kill unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date; 10/1 / 2025 64 61116064-Cut 43.9 4139 - Aspen, Poletimber 46 1-50 Harvest Seed Tree with 4133 - Aspen, Even-Aged Mixed Deciduous Proor Prescription Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area r												
Hard Mastr Well 170 Selection Hardwood Prescription Specs: Mark stand down to average basal area of 90. Use hardwood marking guidelines to mark stand. Selection Hardwood Specs: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size ar bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep, Planting, Hardwood - Sapling; Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching; SitePrep, Rother - Specify; Other, Pre-Commercial Thinning - Hand; Acceptable Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Regen: If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes b Comment: Incidentification, trenching, mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayin kill unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date; 10/1/2025 64 61116064-Cut 43.9 4139 - Aspen, Poletimber 46 1-50 Harvest Seed Tree with 4133 - Aspen, Even-Aged Mixed Deciduous Poor Prescription Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Speces.			10/1 /202	25								
Specs: Leave larger sugar maple as seed source for stand. In addition to marking stand add 10 gaps that are no smaller than 1 acre in size ar bigger than 1.5 acres in size. Target gap areas where there is sugar maple regeneration present or where there is beech in overstory. Next Step Pesticide, Skidder - Site Prep; Planting, Hardwood - Sapling; Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching; SiteP rep, Treatments: Acceptable Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Regen: If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes be comment: Not limited to: scarification, trenching, mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayin will unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date: 10/1 /2025 64 61116064-Cut 43.9 4139 - Aspen, Poletimber 46 1-50 Prescription Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand.	63 611160	063-Cut	109.1	Hard Mast		r 92		Harvest	•		Two-Aged	No
Next Step Treatments: Pesticide, Skidder - Site Prep; Planting, Hardwood - Sapling; Other, Pre-Commercial Thinning - Hand; SitePrep, Trenching; SiteP Treatments: Scarification; SitePrep, Roller Chopping; SitePrep, Other - Specify; Other, Pre-Commercial Thinning - Hand; Acceptable Regen: Any Combination of sugar maple, red maple, basswood, cherry, oak, or pine. Other If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes bind the to exartification, trenching, mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayit kill unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date; 10/1 /2025 64 61116064-Cut 4.3.9 4139 - Aspen, Poletimber 46 1-50 Harvest Seed Tree with 4133 - Aspen, Mixed Pine Pen-Aged Mixed Pine Prescription Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Species: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Regen: Other Other Comment:		Leave la	ger suga	r maple as seed s	ource for st	and. In	addition to	o marking stand	d add 10 gaps that a			
Regen: Other comment: If gaps fail to regenerate to acceptable regeneration, use any means necessary to get them to desirable regeneration. This includes be not limited to: scarification, trenching, mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayin kill unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date: 10/1 /2025 64 61116064-Cut 43.9 4139 - Aspen, Poletimber 46 1-50 Harvest Seed Tree with this and this and the price of the price		Pesticide	, Skiddei	r - Site Prep; Plar	nting, Hardv	vood - S	Sapling; (Other, Pre-Com	mercial Thinning - H	Hand; SitePrep,		-
Comment: not limited to: scarification, trenching, mastication, roller chopping, burning, planting (of species such has hardwood, oak, pine), sprayin kill unwanted species, or TSI cut to remove unwanted species. Site Condition Proposed Start Date: 10/1 /2025 64 61116064-Cut 43.9 4139 - Aspen, Poletimber 46 1-50 Harvest Seed Tree with Mixed Pine Aspen, Even-Aged Mixed Deciduous Prescription Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Specs: Nonitoring, Natural Regen (Re-Inventory) Treatments: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Other Comment: Other		Any Com	bination	of sugar maple, re	ed maple, ba	asswood	d, cherry,	oak, or pine.				
Proposed Start Date: 10/1 /2025 64 61116064-Cut 43.9 4139 - Aspen, Mixed Deciduous Poor 46 1-50 Harvest Seed Tree with Mixed Pine Even-Aged Mixed Pine Prescription Specs: Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Specs: Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Other Comment: Other		not limite	d to: sca	rification, trenching	g, masticati	on, rolle	er choppin					
64 61116064-Cut 43.9 4139 - Aspen, Mixed Deciduous Poor 46 1-50 Harvest Seed Tree with Retention 4133 - Aspen, Mixed Pine Even-Aged Mixed Pine Prescription Specs: Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Specs: Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Other Comment: Other	Site Conditio	<u>on</u>										
Mixed Deciduous Poor Retention Mixed Pine Prescription Specs: Leave all pine and oak in stand as seed source. Cut all other tree species down to 2 inches in DBH. Leave standard area retention in Specs: Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Other Comment: Other	Proposed St	art Date:	10/1 /202	25								
Specs: Next Step Treatments: Monitoring, Natural Regen (Re-Inventory) Acceptable Regen: Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Other Comment:	64 611160	064-Cut				er 46	1-50	Harvest			Even-Aged	No
Acceptable Moderately Stocked stand of aspen, black cherry with pine component. Trying to expand aspen clones in stand. Regen: Other Comment: Comment:		Leave all	pine and	l oak in stand as s	eed source	. Cut al	ll other tre	e species dowr	n to 2 inches in DBH	I. Leave standard	d area retentio	n in stand.
Regen: Other Comment:		Monitorin	ig, Natura	al Regen (Re-Inver	ntory)							
Comment:		Moderate	ely Stocke	ed stand of aspen,	black cher	ry with p	oine comp	onent. Trying to	o expand aspen clor	nes in stand.		
Site Condition												
	Site Conditio	<u>on</u>										
Proposed Start Date: 10/1 /2025	Proposed St	art Date:	10/1 /202	25								
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	S t	Tı	averse Cit	y Mgt. Unit		Repor	rt3	Treatments		Compartmen Year of Entry		OF NATURAL PLANE
Deciduous Trees re Planting Producing Shrub Prescription Specs: and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could also seed in native grasses and forbs. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Proposed Start Date; 10/1 /2025 71 61116071-Cut 51.2 4124 - Red with White Oak Well 88 81-110 Harvest Removal Averstory Mixed Deciduous Prescription Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance severptions and ORV trail protection spec in timber sale contract. Nark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak.			Acres								•	Habitat Cut
Specs: and/or conifers for wildlife food and cover. Plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. May need to fertilize plantings and protect with wire cages or tubex. Could also seed in native grasses and forbs. Next Step Treatments: Acceptable Regen: Other Ownent: Site Condition Proposed Start Date: Proposed Start Date: 10/1 /2025 71 61116071-Cut 51.2 4124 - Red with Sawtimber 88 81-110 Harvest Overstory 4139 - Aspen, Even-Aged No Mixed Decidous Prescription Removal Mixed Decidous Prescription Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance exemptions and ORV trail protection spec in timber sale contract. Next Step regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Regen: Other Other Comment:	65	61116065-NF	7.9 3	,	Nonstocke	ed		NonForestMgt)	No
Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2025 71 61116071-Cut 51.2 4124 - Red with Sawtimber 88 81-110 Harvest Overstory 4139 - Aspen, Even-Aged No White Oak Well Prescription Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance Specs: Specs: regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Acceptable Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Regen: Other Comment: Cother	<u>Spec</u> <u>Next</u>	<u>s:</u> and/o need	r conifers fo	or wildlife food and o	cover. Plan	t site ap	opropriate	e native shrubs a	nd/or mast produci	ing trees for wildli		
Comment: Site Condition Proposed Start Date: 10/1 /2025 71 61116071-Cut 51.2 4124 - Red with Sawtimber 88 81-110 Harvest Overstory Removal Mixed Deciduous 4139 - Aspen, Even-Aged No Mixed Deciduous No Prescription Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance specs: regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Acceptable Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Regen: Other Other Comment:												
Proposed Start Date: 10/1 /2025 71 61116071-Cut 51.2 4124 - Red with Sawtimber 88 81-110 Harvest Overstory Removal Mixed Deciduous Prescription Specs: Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance sexemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Acceptable Regen: Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak.		-										
71 61116071-Cut 51.2 4124 - Red with Well Sawtimber 88 81-110 Harvest Removal Overstory Removal 4139 - Aspen, Even-Aged No Mixed Deciduous Prescription Specs: Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Acceptable Regen: Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Other Comment: Other	Site (<u>Condition</u>										
White Oak Well Removal Mixed Deciduous Prescription Specs: Remove Overstory of Stand with standard area retention left along ORV trail. Cut all trees greater than 6 inches in DBH. Protect advance regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Acceptable Regen: Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Other Comment: Other	Prop	osed Start Dat	<u>e:</u> 10/1/20	25								
Specs: regeneration during harvest. Do not cut any pine during harvest. Mark less than 1 white oak per acre for seed source. Use oak wilt spec no exemptions and ORV trail protection spec in timber sale contract. Next Step Treatments: Acceptable Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Other Other Comment: Other	71	61116071-Cu	t 51.2			r 88	81-110	Harvest	,	Mixed	Even-Ageo	d No
Treatments: Acceptable Regen: Fully to Moderately stocked stand of aspen, with component of red maple, pine and oak. Regen: Other Other Comment:		<u>s:</u> regen	eration duri	ng harvest. Do not	cut any pir	e during	g harvest	. Mark less than				
Regen: Other Comment:												
Comment:			to Moderate	ly stocked stand of	aspen, wit	n compo	onent of I	red maple, pine a	ind oak.			
Site Condition		-										
	Site (<u>Condition</u>										
Proposed Start Date: 10/1 /2025	Prop	osed Start Dat	<u>e:</u> 10/1/20	25								

Total Treatment Acreage Proposed: 487.3

Compartment: 116 Year of Entry: 2026

Thomas Peterson III: Examiner

Availability for Management

Total	Acres	Acres Avail	Acres	1	Domina	nt Site	e Con	dition	s	
Acres	Available	With Condition	Not Available		5B	5C	1A	2G	3J	5E
743	610	123	10	Aspen		123				10
13	13	0	0	Herbaceous Openland			0			0
17	17	0	0	Low-Density Trees						
22	1	0	20	Lowland Conifers			5	11	2	3
19	14	0	5	Lowland Shrub			5			
7	0	0	7	Marsh						7
58	58	0	0	Mixed Upland Deciduous						
84	72	9	3	Natural Mixed Pines		9			3	1
564	564	0	0	Northern Hardwood						0
126	51	75	0	Oak	47	28			0	0
287	242	31	14	Red Pine		31				14
76	7	68	0	Upland Mixed Forest		68				0
13	12	0	0	Water			0			
29	29	0	0	White Pine			0	0	0	0
2,058	1,691	306	61	Total Forested Acres	47	259	10	12	5	34
	82%	15%	3%	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.

Sit No	e Dominant Site b. Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report	4 – Site	Conditions
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Compartment: 116 Year of Entry: 2026

Thomas Peterson III : Examiner

Traverse City Mgt. Unit

3	Unavailable	1A: Federal/State/Local Law		3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Natural Rivers buff	er					
4	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	28	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	123	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Available	5B: Maintain for regeneration purposes	48	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
9	Unavailable	5E: Long-Term Retention	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Compartment: 116 Year of Entry: 2026

Thomas Peterson III : Examiner

11

12

13

14

15

16

Traverse City Mgt. Unit

Unavailable	5E: Long-Term Retention	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Small bogs.						
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Available	5C: Delay treatment for age/size class diversity or exceptional site quality	68	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						

		se City Mgt. Unit son III : Examiner		Report 4 – Site Cor	ditions	Compartment: 116 Year of Entry: 2026		
17	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	31	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
21	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
23	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	3	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
24	Unavailable	5E: Long-Term Retention	1	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

Compartment: 116 Year of Entry 2026

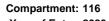


Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* 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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions stocked trout populations and those of other coldwater fish spect conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	ies to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish spec year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for include the 5,847 acre Forest Fire Experiment Station, the 12,00 Area, the Beaver Islands Archipelago Wildlife Research Area (th High and Hog Islands, all state owned land on Beaver, South Fo Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Re Nursery, and over 144,000 acres of Military Lands.	0 acre Houghton Lake Wildlife Research at includes most of Garden Island, all of x and North Fox Islands), the Cusino
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and coop U.S. Fish and Wildlife service for the recovery of threatened and 365, Endangered Species Protection, of the Natural Resources a PA 451, and the Federal Endangered Species Act of 1973. This species plans in various stages of review. As of now only two ex Plover Habitat.	endangered species, as governed by Part and Environmental Protection Act, 1994 is an active program, with proposed
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10	s Zoning District is a 400 foot buffer for

Report 7 – Stands



Year of Entry: 2026

DN

tan	d Level 4 C	over Type	:	Size De	nsity	Acres Stand Age E	BA Range	Managed S	Site	General Comments				
1	4133 - Aspe	en, Mixed P	Pine P	oletimb	er Well	17.8 46	51-80	N/A		2024 - Stand has larger pine with aspen growing under it. Clearcut stand 1 in 10 years.				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	1978 - Stand was harvested.				
	Red Maple	3	Pole	6		White Oak	Low	Variable	Sapling	-				
	Red Oak	5	Log	14		Red Oak	Low	10 - 20 feet	Sapling					
	Bigtooth Aspen			46	White Pine	Low	10 - 20 feet	Sapling						
	White Pine	20	Log/Pole	10										
	Red Pine	20	Log	12										
	White Oak	2	Log	14										
2	42111 - Planteo Dec	d Red Pine, iduous	Mixed S	awtimb	er Well	12.8 85	111-140	N/A		2024 - Stand was left as retention for stand 8 to protect wet kettle hole. Steep drop off to kettle hole and rolling terrain throughout stand.				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	1939 - Stand was planted to red and Jack Pine.				
	Red Maple	10	Log/Pole	8		Bigtooth Aspen	Medium	10 - 20 feet	Sapling					
	White Pine	10	Log/XLog	16		White Pine	High	Variable	Sapling					
	Red Pine	60	Log/Pole	10	85	Red Maple	Low	10 - 20 feet	Sapling					
	Red Oak	10	Log	14		Black Cherry	Low	10 - 20 feet	Sapling					
	Bigtooth Aspen	10	Pole/Log	8		Red Pine	Medium	>20 feet	Sapling					
3	6129 - Mixed Conif	- Mixed Coniferous Lowland Forest Poletimber Well 11.		11.3 64	51-80	N/A		2024 - Small depression between 2 ridges. Very wet ground with						
	Canopy Species	opy Species % Cover Size Class DBH		Age	Sub-Canopy Species	Density	Avg. Height	Size	leatherleaf. More red pine along edges and slopes, including some pockets that appear very old. Portions of stand are lowland shrub with n					
	Red Maple	5	Pole/Sapling	4		Northern White Cedar	Low	10 - 20 feet	Pole	trees in it at this time.				
	White Pine	30	Log/Pole	12		Black Spruce	Medium	Variable	Sapling					
	Tamarack	15	Pole/Sapling	4		Red Maple	Medium	>20 feet	Sapling					
	Red Pine	10	Log/Pole	8		Tag Alder	Low	5 - 10 feet	Tall Shrub					
	Black Spruce	40	Pole	6	64									
4	500	- Water		Nonsto	ocked	3.6 L	Inspecified	No		2024 - Kettle lake with steep banks down to lakes edge. Water in stand during inventory. Lowland shrub surrounds small lake with pines growir on steep banks.				
5	42260 - Natural Pi	ne, Mixed [, Mixed Deciduous Sawtimber			11.5 93	111-140	N/A		2024 - Unique stand, drops down into kettle lake and kettle bog areas. 1 stand is on slope. most of stand would not be able to be harvested due				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	bmp guidelines.				
	White Pine	35	Log/Pole	12	93	Red Maple	Medium	5 - 10 feet	Sapling					
	Bigtooth Aspen	20	Pole	8		Red Pine	Low	< 5 feet	Sapling					
	Red Pine	25	Log/Pole	12		Jack Pine	Low	< 5 feet	Sapling					
	Red Maple	20	Pole	8		Bigtooth Aspen	Medium	Variable	Sapling					
6	500	- Water		Nonsto	ocked	4.5 L	Inspecified	No		2024 - Part of South Black Lake 2014 - This is a tributary of the Manistee River, subject to Natural River regulations.				
	629 - Mixed non-forested wetland Nonstocked			2.5 L	Inspecified	No		2024 - Two kettle-like depressions. No visible water in stand. Mostly						

Report 7 – Stands



42110 - Plar anopy Species Red Pine 629 - Mixed non 6239 - Mixed En 500 -	% Cover	Size Class Sapling	Sapling DBH 1	Age 4	69.7 17.0 6.6	4	Immature	N/A No		 2023 - Year 3 Regeneration survey was completed 10/12/2023. There are currently 768 trees per acre and stand is 99% Free to Grow at this time. 11/9/2021 - Year 1 regeneration survey completed. Stand has approximately 813 trees per acre. Stand is free to grow at this time no herbicide treatment is currently recommended. 5/3/2021 - Stand was planted to red pine. 794 Trees per acre at time of planting. WWGD Red Pine, 61-157-16-01. FTP -C62-879 2020 - Stand was site prep sprayed. 2019 - Stand was Roller chopped in June and Trenched last summer 2019. 2024 - Corridor for Black Creek, which is a tributary of the Manistee River. 	
629 - Mixed non 6239 - Mixed En	-forested w	retland	Nonsto	ocked			Unspecified	No		 11/9/2021 - Year 1 regeneration survey completed. Stand has approximately 813 trees per acre. Stand is free to grow at this time no herbicide treatment is currently recommended. 5/3/2021 - Stand was planted to red pine. 794 Trees per acre at time or planting. WWGD Red Pine, 61-157-16-01. FTP -C62-879 2020 - Stand was site prep sprayed. 2019 - Stand was Roller chopped in June and Trenched last summer 2019. 2024 - Corridor for Black Creek, which is a tributary of the Manistee 	
6239 - Mixed E	mergent W						Unspecified	No			
	0	etland	Nonsto	cked	6.6					1/1761.	
500 -	Watar				0.0	0	Unspecified	No		2024 - Stand all contain vernal pools, with lowland shrubs and pine surrounding them. These stands were left as retention for stand 20 shelterwood harvest. 2014 - Vernal pool areas excluded from treatment on Stand 20.	
	water		Nonsto	cked	4.5		Unspecified	No		2024 - Kettle lake with steep banks to water's edge. Stand has lowland shrubs surrounding it.	
4123 -	Red Oak	S	Sawtimbe	er Well	27.6	95	81-110	N/A		2024 - Stand has heavy understory of white pine, could use white pine nurse crop for oak during harvest. Stand is hilly drops into black lake /	
anopy Species		Size Class		Age	Sub-Ca	nopy Specie		Avg. Height	Size	black creek on one side and kettle hole with standing water on other	
Red Pine									1 0	side. Stand does have some oak showing signs of die back.	
		0	-		Wh	nite Pine	High	Variable	Sapling	1996 - Stand was harvested under sale Stand 8 Oak, sale 61-062-96-0 completed 12/1996. Removed bigtooth aspen, thinned oak and cut som	
		0								red maple and red pine. Heavy white pine or aspen understory in place	
Red Oak	70	Log/Pole	12	95						Stand is on a north-south ridge. West side slopes down to creek o relatively steep incline. North end is local high spot. More red and pine at bottom of slope near wetter areas. Residual BA is variable.	
42290 - Natu	ral Mixed P	Pine S	Sawtimbe	er Poor	7.1	88	51-80	N/A		2024 - Stand was thinned 8 years ago, understory starting to fill back in	
anopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Consider removing the top in 10 years. 2018 - Stand was thinned as part of sale Honeymoon Cabin Mix 61-14	
Red Pine	35	Log/Pole	12	88	Wh	nite Pine	Low	Variable	Sapling	16	
White Oak	10	Log/Pole	10		Blac	ck Cherry	Low	Variable	Pole	2014 - Transitional stand between upland and lowland along creek.	
thern Pin Oak	3	Log/Pole	8		Quak	ing Aspen	Low	< 5 feet	Sapling	Mostly upland but slopes towards water and may contain isolated wet spots. Variable stand; parts are almost all white pine in canopy and ot	
White Pine	50	Pole/Sap/Log	9 6	88	Northern	White Ceda	r Low	10 - 20 feet	Sapling	parts are almost all red pine. Short-lived species (paper birch, aspen)	
Balsam Fir	2	Pole	6		Re	d Maple	Low	Variable	Sapling	used to be part of canopy. Evidence of past fire.	
					Ba	lsam Fir	Medium	5 - 10 feet	Sapling		
N F R N	/hite Pine /hite Oak Red Oak 42290 - Natu nopy Species Red Pine /hite Oak hern Pin Oak /hite Pine alsam Fir	/hite Pine15/hite Oak5Red Oak7042290 - Natural MixedFhopy Species% CoverRed Pine35/hite Oak10hern Pin Oak3//hite Pine50alsam Fir2	/hite Pine 15 Log /hite Oak 5 Log/Pole Red Oak 70 Log/Pole 42290 - Natural Mixed Pine Size Class Red Pine State 35 Log/Pole 10 /hite Oak 3 Log/Pole /hite Oak 3 Log/Pole	/hite Pine 15 Log 10 /hite Oak 5 Log/Pole 12 Red Oak 70 Log/Pole 12 42290 - Natural Mixed Pine Sawtimber hopy Species % Cover Size Class DBH Red Pine 35 Log/Pole 12 /hite Oak 10 Log/Pole 12 /hite Oak 3 Log/Pole 12 /hite Oak 50 Pole/Sap/Log 6 alsam Fir 2 Pole 6	/hite Pine 15 Log 10 /hite Oak 5 Log/Pole 12 Red Oak 70 Log/Pole 12 95 42290 - Natural Mixed Pine Sawtimber Poor nopy Species % Cover Size Class DBH Age Red Pine 35 Log/Pole 10 10 10 /hite Oak 10 Log/Pole 10 10 10 10 /hite Oak 10 Log/Pole 8 10 10 10 10 /hite Pine 50 Pole/Sap/Log 6 88 10 <td>/hite Pine 15 Log 10 Wh /hite Oak 5 Log/Pole 12 Wh Red Oak 70 Log/Pole 12 95 42290 - Natural Mixed Pine Sawtimber Poor 7.1 nopy Species % Cover Size Class DBH Age Sub-Ca Red Pine 35 Log/Pole 12 88 Wh /hite Oak 10 Log/Pole 12 88 Wh /hite Oak 10 Log/Pole 10 Blac /hite Pine 50 Pole/Sap/Log 6 88 Northerr alsam Fir 2 Pole 6 Ba</td> <td>/hite Pine 15 Log 10 White Pine /hite Oak 5 Log/Pole 12 White Pine Red Oak 70 Log/Pole 12 95 42290 - Natural Mixed Pine Sawtimber Poor 7.1 88 nopy Species % Cover Size Class DBH Age Red Pine 35 Log/Pole 12 88 /hite Oak 10 Log/Pole 12 88 /hite Oak 10 Log/Pole 12 88 /hite Oak 10 Log/Pole 10 Black Cherry nern Pin Oak 3 Log/Pole 8 Quaking Aspen /hite Pine 50 Pole/Sap/Log 6 88 Red Maple Balsam Fir 2 Pole 6 Balsam Fir</td> <td>Inite Pine15Log10White PineHighInite Oak5Log/Pole12Image: Second Seco</td> <td>Inite Pine15Log10White PineHighVariableInite Oak5Log/Pole12IWhite PineHighVariableRed Oak70Log/Pole1295VariableVariableN/A42290 - Natural Mixed PineSawtimber Poor7.18851-80N/Anopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightRed Pine35Log/Pole1288White PineLowVariable/hite Oak10Log/Pole10Black CherryLowVariable/hite Pine50Pole/Sap/Log688Northern White CedarLow10 - 20 feetalsam Fir2Pole6Blasam FirMedium5 - 10 feet</td> <td>Interprise15Log10White PineHighVariableSaplingInterprise5Log/Pole12Image: Second Secon</td>	/hite Pine 15 Log 10 Wh /hite Oak 5 Log/Pole 12 Wh Red Oak 70 Log/Pole 12 95 42290 - Natural Mixed Pine Sawtimber Poor 7.1 nopy Species % Cover Size Class DBH Age Sub-Ca Red Pine 35 Log/Pole 12 88 Wh /hite Oak 10 Log/Pole 12 88 Wh /hite Oak 10 Log/Pole 10 Blac /hite Pine 50 Pole/Sap/Log 6 88 Northerr alsam Fir 2 Pole 6 Ba	/hite Pine 15 Log 10 White Pine /hite Oak 5 Log/Pole 12 White Pine Red Oak 70 Log/Pole 12 95 42290 - Natural Mixed Pine Sawtimber Poor 7.1 88 nopy Species % Cover Size Class DBH Age Red Pine 35 Log/Pole 12 88 /hite Oak 10 Log/Pole 12 88 /hite Oak 10 Log/Pole 12 88 /hite Oak 10 Log/Pole 10 Black Cherry nern Pin Oak 3 Log/Pole 8 Quaking Aspen /hite Pine 50 Pole/Sap/Log 6 88 Red Maple Balsam Fir 2 Pole 6 Balsam Fir	Inite Pine15Log10White PineHighInite Oak5Log/Pole12Image: Second Seco	Inite Pine15Log10White PineHighVariableInite Oak5Log/Pole12IWhite PineHighVariableRed Oak70Log/Pole1295VariableVariableN/A42290 - Natural Mixed PineSawtimber Poor7.18851-80N/Anopy Species% CoverSize ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightRed Pine35Log/Pole1288White PineLowVariable/hite Oak10Log/Pole10Black CherryLowVariable/hite Pine50Pole/Sap/Log688Northern White CedarLow10 - 20 feetalsam Fir2Pole6Blasam FirMedium5 - 10 feet	Interprise15Log10White PineHighVariableSaplingInterprise5Log/Pole12Image: Second Secon	

Report 7 – Stands



tand	Level 4 Cover Type Size Density		Density Acres Stand Age BA Range Managed Site					General Comments						
15	4130	- Aspen	S	Sapling Well		7.2	28 Ui	nspecified	N/A		2024 - Stand is fully stocked sapling aspen stand.			
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cano	py Species	s Density	Avg. Height	Size	1996 - Stand was final harvested under sale Lake Valley Road Aspen sale 61-006-96-01. Removed everything > 2" DBH> Good regeneratio			
E	Bigtooth Aspen	95	Sapling	3	28	White	e Pine	Low	< 5 feet	Sapling	Fully stocked aspen stand, with a few pole-sized oak left and scattered			
No	orthern Pin Oak	5	Sapling/Pole	4						1	advanced oak saplings. A few small openings along the edges. Eviden of beaver chewing on the east edge of stand. Old railroad grade runs through the western part of stand.			
16	31021 - Cool	Season G	rass N	Nonsto	ocked	2.8	U	nspecified	Managed O	pening	2024 - Wildlife planted opening.			
17	4133 - Aspe	en, Mixed F	'ine Po	letimb	er Well	15.4	56	51-80	N/A		2024 - Stand has variable size aspen from sapling to Log size. Stand			
(Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Cano	py Species	Density	Avg. Height	Size	has a lot of white pine in understory.			
	Bigtooth Aspen	70	Pole/Sap/Log	7	56		e Pine	High	10 - 20 feet	Sapling				
	Balsam Fir	2	Pole/Sapling	5		Black	Cherry	Low	5 - 10 feet	Sapling				
	White Pine	19	Pole/Log	8			Maple	Low	10 - 20 feet	Sapling				
No	orthern Pin Oak	2	Pole	6			•							
	De el Marala	0	Dula	6										
	Red Maple	2	Pole	0										
	Red Maple Red Pine 310 - Herbac	5 eous Oper	Log Iland N	10 Nonsto		2.3		nspecified	Managed O	pening	2024 - Wildlife Managed Opening			
19	Red Pine 310 - Herbac 42290 - Natu	eous Oper ural Mixed	Log Iland N Pine Sa	10 Nonsto	er Well	18.0	86	81-110	N/A		2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches			
19	Red Pine 310 - Herbac 42290 - Natu Canopy Species	eous Oper ural Mixed	Log Iland N Pine Sa Size Class	10 Nonsto awtimb DBH		18.0 Sub-Cano	86 py Species	81-110 Density	N/A Avg. Height	Size	2024 - Stand has fully stocked understory of aspen at this time.			
19	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine	ural Mixed 40	Log Iland N Pine Sa Size Class Log/Pole	10 Nonsto awtimb DBH 10	er Well I Age	18.0 Sub-Cano Red I	86 py Species Maple	81-110 Density Medium	N/A Avg. Height 5 - 10 feet	Size Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches			
	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine	5 eous Oper ural Mixed % Cover 40 45	Log Iland M Pine Sa Size Class Log/Pole Log/Pole	10 Nonstona awtimb DBH 10	er Well	18.0 Sub-Cano Red I White	86 py Species Maple Pine	81-110 Density Medium Low	N/A Avg. Height 5 - 10 feet Variable	Size Sapling Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches			
19	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine Bigtooth Aspen	5 eous Oper ural Mixed % Cover 40 45 10	Log Iland M Pine Sa Size Class Log/Pole Log/Pole Pole	10 Nonsto awtimb DBH 10 10 6	er Well I Age	18.0 Sub-Cano Red I White Bigtoot	86 py Species Maple Pine h Aspen	81-110 Density Medium Low High	N/A Avg. Height 5 - 10 feet Variable Variable	Size Sapling Sapling Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches			
19	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine	5 eous Oper ural Mixed % Cover 40 45	Log Iland M Pine Sa Size Class Log/Pole Log/Pole	10 Nonstona awtimb DBH 10	er Well I Age	18.0 Sub-Cano Red I White Bigtoot	86 py Species Maple Pine	81-110 Density Medium Low	N/A Avg. Height 5 - 10 feet Variable	Size Sapling Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches			
19 (8	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine Bigtooth Aspen Red Oak 42200 - Natu	solution of the second	Log Iland N Pine Sa Size Class Log/Pole Log/Pole Pole Pole	10 Nonstr awtimb DBH 10 10 8 wtimb	er Well Age 86 er Poor	18.0 Sub-Cano Red I White Bigtoott Red 29.1	86 py Species Maple Pine h Aspen Oak 64	81-110 Density Medium Low High Low 51-80	N/A Avg. Height 5 - 10 feet Variable Variable < 5 feet N/A	Size Sapling Sapling Sapling Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches DBH under sale Lake Valley Red, sale # 61-078-06-01. 2018 - Stand was shelterwood harvested under sale - Honeymoon Cab			
19 (B	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine Bigtooth Aspen Red Oak 42200 - Natu Canopy Species	source of the second se	Log Iland N Pine Sa Size Class Log/Pole Log/Pole Pole Pole Pole Size Class	10 awtimb DBH 10 10 6 8 wtimb DBH	er Well Age 86	18.0 Sub-Cano Red I White Bigtoot Red 29.1 Sub-Cano	86 py Species Maple Pine Aspen Oak 64 py Species	81-110 Density Medium Low 51-80 Density	N/A Avg. Height 5 - 10 feet Variable Variable < 5 feet N/A Avg. Height	Size Sapling Sapling Sapling Sapling Size	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches DBH under sale Lake Valley Red, sale # 61-078-06-01. 2018 - Stand was shelterwood harvested under sale - Honeymoon Cab Mix 61-147-161986 - Part cut as Upper Black Creek Sale, 61-025-86- 01, removed all aspen plus marked white pine, red pine and jack pine.			
19 (B	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine Bigtooth Aspen Red Oak 42200 - Natu Canopy Species White Oak	solution of the second state of the second sta	Log Iland N Pine Sa Size Class Log/Pole Pole Pole Pole Pole Pole Size Class Log/Pole	10 awtimb DBH 10 10 6 8 wtimb DBH 12	er Well Age 86 er Poor Age	18.0 Sub-Cano Red I White Bigtoott Red 29.1 Sub-Cano Red	86 py Species Maple Pine Aspen Oak 64 py Species Oak	81-110 Density Medium Low High Low 51-80 Density Low	N/A Avg. Height 5 - 10 feet Variable Variable < 5 feet N/A Avg. Height Variable	Size Sapling Sapling Sapling Sapling Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches DBH under sale Lake Valley Red, sale # 61-078-06-01. 2018 - Stand was shelterwood harvested under sale - Honeymoon Cat Mix 61-147-161986 - Part cut as Upper Black Creek Sale, 61-025-86- 01, removed all aspen plus marked white pine, red pine and jack pine. Slopes toward creek on west side of stand. Has some low and/or wet			
19 (8	Red Pine 310 - Herbac 42290 - Natu Canopy Species Red Pine White Pine Bigtooth Aspen Red Oak 42200 - Natu Canopy Species White Oak Red Pine	5 eous Oper ural Mixed % Cover 40 45 10 5 ural White % Cover 10 25	Log Iland N Pine Sa Size Class Log/Pole Log/Pole Pole Pole Pole Size Class Log/Pole Log/Pole/XLog	10 Nonsto 2007 10 10 6 8 wtimb 06 8 00 12 12	er Well Age 86 er Poor Age 64	18.0 Sub-Cano Red I White Bigtoott Red 29.1 Sub-Cano Red Red	86 py Species Maple Pine Aspen Oak 64 py Species Oak Pine	81-110 Density Medium Low High Low 51-80 Density Low Medium	N/A Avg. Height 5 - 10 feet Variable Variable < 5 feet N/A Avg. Height Variable Variable	Size Sapling Sapling Sapling Sapling Sapling Size Sapling Sapling	2024 - Stand has fully stocked understory of aspen at this time. 2008 - Stand has all red pine removed that was greater than 12 Inches DBH under sale Lake Valley Red, sale # 61-078-06-01. 2018 - Stand was shelterwood harvested under sale - Honeymoon Cat Mix 61-147-161986 - Part cut as Upper Black Creek Sale, 61-025-86- 01, removed all aspen plus marked white pine, red pine and jack pine. Slopes toward creek on west side of stand. Has some low and/or wet areas, especially north central part of stand and along eastern border.			
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10

10

Sapling

Sapling

1

1

Red Maple

Black Cherry

	Travers	se City Mg	gt. Unit				Rep	ort 7 – Sta	ands	Compartment: 116 Year of Entry: 2026			
Stan	d Level 4 Co	over Type	S	Size Do	ensity	Acres	Stand Age B	BA Range	Managed	Site	General Comments		
22	330 - Low-Density Trees Nonst				ocked	9.3	I	Immature	Managed Opening		2024 - Giant kettle hole with some scattered black cherry and jack pine in it.		
23	6129 - Mixed Conife				oer Well	10.4	78	51-80	N/A		2024 - Stand adjacent to Black creek		
	Canopy Species		Size Class		H Age		nopy Species		Avg. Height	Size	River. This southern part of the corridor is more forested than the		
	Black Spruce	10	Pole/Sapling	4			White Cedar	Medium	5 - 10 feet	Sapling	northern part closer to the beaver dams. Understory is thick with tag alder and shrub trees. It appears that the culvert where the creek flows under		
	Tamarack	20	Pole/Sapling	4			ig Alder	High	5 - 10 feet	Tall Shrub	Black Lake Road may have been crushed.		
	White Pine	20	Log	12			Isam Fir	Medium	>20 feet	Sapling			
	Hemlock	2	Pole	6		Re	d Maple	Low	10 - 20 feet	Sapling			
	Red Maple	8	Pole/Sapling	4									
	Balsam Fir	5	Pole/Sapling	4									
	Paper Birch	5	Pole/Sapling	4									
No	orthern White Cedar	30	Pole	6	78								
24	42210 - Nat	ural Red P	line Sa	awtimt	per Poor	30.9	87	1-50	N/A		2024 - Old shelter wood cut. Remove pine and release aspen in 10 years.		
	Canopy Species	% Cover	Size Class	DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Red Pine	60	Log/XLog/Pole	12	87	Bigto	oth Aspen	Medium	Variable	Sapling	2014 - Western portion has the red maple in canopy and a more diverse		
	White Pine	40	Log/Pole	12	87	Wit	ch Hazel	Low	5 - 10 feet	Tall Shrub	understory (heavy soft maple, beech, cherry oak, white pine). BA is		
						R	ed Oak	Low	Variable	Sapling	slightly lower in treated part (130, 140). Pine is mediocre quality. 1997 - Eastern 2/3 (Section 22) treated as Halloween Pines, 61-012-96-01		
						Re	d Maple	Medium	Variable	Sapling			
						Wh	nite Pine	Low	Variable	Sapling			
26	3102	- Grass		Nonst	ocked	1.9	U	Inspecified	Managed C	pening	2024 - Wildlife Managed Opening.		
27	4133 - Aspe	n, Mixed F	Pine Po		ber Well	207.2	49	51-80	N/A		2024 - Stand is poor quality aspen ranging from sapling to log size depending on what area of stand you are in. Aspen seems to be a little		
	Canopy Species		Size Class		- Age						higher quality at north end of stand.		
	Black Cherry	2	Pole/Sapling	6							1975 - Stand was final harvested.		
	Red Pine	10	Log/Pole/Sap	12									
	Jack Pine	3	Pole/Sapling	6									
	White Pine	10	Log/Pole/Sap	12									
	Bigtooth Aspen	70	Pole/Sap/Log	8	49								
	Red Maple	5	Pole/Sap/Log	6									
29	4130 -	- Aspen		Saplin	g Well	16.6	16	Immature	N/A		2024 - Fully stocked sapling aspen stand		
	Canopy Species	% Cover	Size Class	DBł	- Age						2008 - Stand was final harvested under sale Blue Lake M72 Pine, 61-084- 06-01. Small depression on southwest side.		
	Northern Pin Oak	2	Sapling	1							טייט ז. שוומו עברובטוטו טון שטעווושבשל שעב.		
	Bigtooth Aspen	75	Sapling	2	16								
	White Pine	3	Sapling	2									
L			. 0	_									

Report 7 – Stands

Stand	Level 4 Cover Type			Size Density		Acres	Stand Age	BA Range	Managed S	ite	General Comments				
30	4133 - Aspe	en, Mixed P	ine	Sapling We		Sapling Well		25.9	37	1-50	N/A		2024 - Stand has turned to poles size stand this year of entry.		
	Canopy Species	% Cover	Size Class	DBH	Age						2014 - Good regeneration, some trees just starting to reach pole size. Scattered overstory red and white pine, left as residual. Relatively flat				
	Red Maple	5	Sapling	2	_						terrain.				
	White Pine	10	Log	10							1987 - Middle Black Lake Sale, 61-031-86-01, clearcut completed 7/1987				
	Red Pine	10	Log	10											
	Quaking Aspen	75	Pole/Sapling	6	37										
32	42290 - Natu	ural Mixed F	Pine Sa	awtimb	er Poor	12.9	87	1-50	N/A		2024 - Stand has fully stocked aspen and red maple understory. Not				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sure if there is enough overstory pine to go after. 2017 - Stand was Crown Thinned Under Sale - No Red Pine Left Behind				
	Red Maple	25	Pole/Log	8		Bigto	oth Aspen	High	Variable	Sapling	61-133-16.				
	Red Pine	35	Log/XLog/Pole	12	87	Blac	ck Cherry	Low	Variable	Sapling					
	White Pine	40	Log/Pole	10	87	E	Beech	Medium	Variable	Sapling					
						WI	nite Oak	Low	Variable	Sapling					
						R	ed Oak	Low	Variable	Sapling					
						Ja	ick Pine	Trace	Variable	Seeding					
							Red Maple		Variable	Sapling					
33	4130	4130 - Aspen Sapling Well			g Well	42.9	26	Immature	N/A		2024 - Fully stocked aspen stand with some larger scattered pine				
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	1998 - Stand was final harvested under sale number 61-113-96-01.				
	Red Oak	7	Sapling/Pole	3		R	ed Pine	Low	< 5 feet	Sapling					
	Red Pine	2	Log/Pole	10		E	Beech	Low	< 5 feet	Sapling					
	White Pine	6	Log/Pole	10											
	Red Maple	20	Sapling	3											
	Bigtooth Aspen	65	Sapling	3	26										
34	42110 - Pla	nted Red P	ine Sa	awtimb	er Poor	67.2	85	1-50	N/A		2024 - A lot of red pine left during last harvest. remove red pine to				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	releases aspen and jack pine. 1997 - Stand was final harvested under sale Blind Porky Jack Pine, 61-				
	Red Pine	80	Log/XLog	14	85	Ja	ck Pine	Medium	Variable	Sapling	064-96-01, completed 6/1997. Removed all jack pine except for a 50'				
	Red Oak	5	Log/Pole	10		Re	d Maple	Low	Variable	Sapling	wide buffer along the ORV trail. This stand is a mixture of pure regeneration and patchy areas with higher residual. ORV trail runs				
	Red Maple	5	Pole/Log	8		Bigto	oth Aspen	High	Variable	Sapling	through stand.				
	White Pine	10	Log/Pole	10		Blac	ck Cherry	Low	Variable	Sapling	1939 - Planting Records shows stand was planted				
35	42110 - Pla	nted Red P	ine	Sapling	g Well	16.2	4	Immature	N/A		2024 - Aspen and red maple on edges of stand encroaching. some				
	Canopy Species	% Cover	Size Class	DBH	Age						scattered jack pine and oak growing in main part of red pine stand. Red pine planting was completed under - FTP C62-878. Trenched				
	Red Pine	100	Sapling	1	4						summer 2017. Planted May 2018. 1-year regen survey 10/24/2018. 28% mortality. 63% FTG. Recommend release. Release spray was requested but not completed due to higher priorities. Regen survey 9/21/20. 33% mortality. 632 surviving TPA. 87% FTG. Contractor recommends no replant and no release. Primary competition oaks & red maple.				

Report 7 – Stands

Stand	d Level 4 C	over Type		Size De	ensity	Acres Stand Age B		BA Range	Managed Site		General Comments		
36	4133 - Aspen, Mixed Pine Canopy Species % Cover Size Class			Sapling	g Well I Age	17.8	16	Immature	N/A		2024 - Stand does have trenches and appears to be planted red pine. However, at this time red pine is almost all out competed by aspen.		
	Bigtooth Aspen	50	Sapling	2	16						Portions of stand the red pine has not survived. 2014 - Stand Also contains scattered taller oak, red maple, cherry and		
	Red Oak	3	Sapling	2							aspen. Red maple (up to 2" dbh) is fairly heavy and aspen is thick in		
	Red Pine	32	Sapling	2	16						places. May need release.		
	Black Cherry	5	Sapling	2							2013 - Stand was replanted 2008 - Stand was planted to red pine 2008		
	Red Maple	10	Sapling	2							2007 - Stand was trenched 2007 Under FTP C62-750		
	-										2007 - Stand was final harvest under sale - Blue Lake M72 Pine, 61-084 06-01,		
37	4132 - Asp	en, Jack Pi	ne	Saplinę	g Well	23.2	16	Immature	N/A		2024 - Some open areas in stand, but stand has regenerated to aspen		
	Canopy Species	% Cover	Size Class	DBH	I Age						with Jack Pine Clumps scattered throughout it. 2008 - Stand was final harvested under sale, Blue Lake - M72 Pine.		
	Red Maple	10	Sapling	1							2006 - Stand was final harvested under sale, Blue Lake - M/2 Pine.		
	Bigtooth Aspen	50	Sapling	1	16								
	Jack Pine	25	Sapling	1									
	Northern Pin Oak	5	Sapling	1									
	Black Cherry	10	Sapling	1									
39	4113 - R.Maple, Conifer F			oletimbe	r Mediur	m 14.2	75	1-50	N/A		2024 - Stand is filling with aspen, not enough timber to go after. Stand		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	2017 - Stand was thinned under contract - No Red Pine Left Behind 61-		
	White Pine	40	Log	10		Re	ed Maple	Low	Variable	Sapling	133-16. It was cut winter 2016. There was scattered maple and pine Le		
	Red Maple	60	Pole/Log	8	75	W	nite Pine	Low	Variable	Sapling			
							ack Pine	Trace	Variable	Sapling			
						0	oth Aspen	High	Variable	Sapling			
						Beech		Low	Variable	Sapling			
40	4311 - Pin	e, Aspen M	Sawtimber Well		68.5	85	111-140	N/A		2024 - Red Pine in stand is clearly planted in rows. Stand has aspen \Box clones scattered throughout it. Basal area is variable throughout stand			
	Canopy Species	% Cover	Size Class		I Age	Sub-Ca	nopy Species	s Density	Avg. Height	Size	depending if you are in denser pine portion or aspen / red maple pocket		
	Red Maple	15	Log/Pole	12			Beech	Medium	5 - 10 feet	Sapling	1939 - Planting Records show stand was planted to pine in 1939.		
	Bigtooth Aspen	20	Log/Pole	10	68		nite Pine	Medium	Variable	Sapling	_		
	Red Pine	35	Log/XLog	16	85	Re	ed Maple	Low	10 - 20 feet	Sapling			
	Red Oak	8	Log/Pole	12									
	Jack Pine	2	Pole	8									
	White Pine	20	Log/Pole	12									
	42110 - Planted Red Pine			Sapling Well		7.4	4	Immature	N/A		2024 - Stand appears to be in good shape at this time2021 - Stand was released sprayed. 2018 - 1-year regen survey 10/23/2018. 2018 -		
41													
41	Canopy Species	% Cover	Size Class	DBH	l Age						Stand was planted to red pine2017 - Stand was trenched FTP C62-		

Report 7 – Stands

Stanc	Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Site		General Comments		
42	42110 - Pla Canopy Species Red Pine		Pine Size Class Sapling	Sapling DBH	Well Age 4	4.2	4	Immature	N/A		 2021 - Stand was released sprayed. 2018 - Year 1 regen survey - 10/24/2018 by Armstrong & Crigier. 28% mortality. 57% FTG. Recommend release. 2018 - Stand was planted to red pine. 2017 - Stand was trenched. 2016 - Cut winter 2016-17. T 		
43	42111 - Planted Dec	l Red Pine, iduous	Mixed	Sapling	Well	57.5	16	Immature	N/A		2024 - Stand is fully stocked with a lot of competition competing with red pine at this time.		
	Canopy Species	% Cover	Size Class	DBH	Age						2013 - Stand was replanted 2008 - Stand was planted to red pine 2008		
	Jack Pine	10	Sapling	1							2007 - Stand was branted to red pine 2008 2007 - Stand was trenched 2007 Under FTP C62-750		
	Red Maple	10	Sapling	1							2007 - Stand was final harvest under sale - Blue Lake M72 Pine, 61-084-		
	Red Pine	60	Sapling	1	16						06-01,		
	Black Cherry	5	Sapling	1									
	Red Oak	5	Sapling	1									
45	42110 - Planted Red Pine		line	Sapling Well		16.5	4	Immature	N/A		2024 - Fully stocked planted red pine with some oak and jack pine		
	Canopy Species	% Cover	Size Class	DBH	Age						scattered throughout it. East side of blue lake road has aspen clone established in it.		
	Bigtooth Aspen	8	Sapling	1							2021 - Stand was released sprayed.		
	Red Pine	77	Sapling	1	4						2020 - Contract regen survey 9/21/20. 576 surviving TPA, 62% FTG.		
	Jack Pine	10	Sapling	1							Primary competition oak + secondary cherry. Contractor recommends release. Contradictory data about replant.		
	Red Oak	5	Sapling	1							2018 - 10/24/2018 by Armstrong & Crigier. 22% mortality and 55% FTG.		
											Recommend release. Primary competition is aspen 2018 - Planted to red pine 2017 - Stand was trenched.		
46	4130 - Aspen			Sapling Well		69.9	16	Immature	N/A		2024 - Fully stocked aspen stands with some pockets of Jack Pine		
	Canopy Species	% Cover	Size Class	DBH	Age						Throughout it.2014 - Good aspen regeneration, although it is somewhat patchy and not many overstory red pine are left. A few pockets of denser		
	Bigtooth Aspen	70	Sapling	2	16						jack pine and scattered advanced oak regeneration. 2007 - Stand was		
	Black Cherry	10	Sapling	2							final harvested under sale Blue Lake Road Aspen, Sale #\$61-062-06-01.		
	Red Oak	5	Sapling	2							The sale was clearcut and chipped, with scattered pine left.		
	Jack Pine	15	Sapling	2									
48	42290 - Nati	ural Mixed I	Pine	Sawtimb	er Pool	r 22.6	93	1-50	N/A		2024 - Stand is boarder lined whether the pine overstory should be taken		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	5 Density	Avg. Height	Size	off (enough wood to go after). Stand has several aspen clones scattered throughout it. Stand does have some rolling hills throughout it.		
	Red Pine	42	Log/Pole	12		R	ed Oak	Low	Variable	Sapling	2017 Stand was thinned under sale - No Red Pine Left Behind 61-133-		
	Red Oak	3	Log	12		Ja	ck Pine	Low	Variable	Sapling	16.		
	White Pine	52	Log/Pole	12	93	Wł	nite Oak	Low	Variable	Sapling			
	White Oak	3	Log/Pole	12		Re	d Maple	Medium	Variable	Sapling			
						Bigto	oth Aspen	Full	Variable	Sapling			
						Re	ed Pine	Low	Variable	Sapling			

Report 7 – Stands

DNR MICHIGAN
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Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age	BA Range	Managed Si	ite	General Comments			
49	42110 - Pla Canopy Species Red Pine		Pine Size Class Sapling	Sapling DBH	Well Age 4	1.7	4	Immature	N/A		 2024 - Stand is in good shape at this time. 2021 - Release Spray completed. 2020 - 3 Year Regeneration 25% survival. 50-75% FTG. Recommend release. Primary competition = oak. Fall 2018 - Year 1 Regeneration 20-25% survival. 50-75% FTG. 2018 - Planted May 2017 - Trenched summer 2016 - Stand was final harvested under sale - No Red Pine Left Behind 61-133-16 			
50	42111 - Plantec Dec	l Red Pine, iduous	, Mixed	Sapling	Well	2.9	4	Immature	N/A		2024 - Small planted red pine stand, red pine seedlings are doing good. 2021 - Release Spray completed.			
	Canopy Species	% Cover	Size Class	DBH	Age						2020 - 3 Year Regeneration 25% survival. 50-75% FTG. Recommend			
	Red Pine	80	Sapling	1	4						release. Primary competition = oak. Fall 2018 - Year 1 Regeneration 20-25% survival. 50-75% FTG.			
	Black Cherry	10	Sapling	1							2018 - Planted May			
	White Oak	10	Sapling	1							2017 - Trenched summer 2016 - Stand was final harvested under sale - No Red Pine Left Behind			
											61-133-16			
51	51 4132 - Aspen, Jack P		Jack Pine Sapling			1 / 5 -		Well	17.0	17	Immature	N/A		2024- Aspen is dominant species in stand at this time. Stand could slowly
	Canopy Species	% Cover	Size Class	DBH	Age						convert to Mixed Pine stand depending how pine and aspen compete in the future.			
	Red Maple	10	Sapling	2							2007 Stand was clearcut under sale Blue Lake M72 Pine, Sale # 61-084-			
	Jack Pine	20	Sapling	2							06-01.			
	Black Cherry	5	Sapling	2										
	Bigtooth Aspen	40	Sapling	2	17									
	Red Pine	20	Sapling	2	17									
	Red Oak	5	Sapling	2										
53	42290 - Nati				Medium		60	51-80	N/A		2024 - Stand has kettle hole with wetland in bottom of it. Stand has steep terrain going to down to kettle hole. Pine is slowly filling in stand.			
	Canopy Species		Size Class		Age		nopy Species		Avg. Height	Size				
	Red Pine	30	Log/Pole	10	60	Ja	ck Pine	Low	< 5 feet	Sapling				
	Black Cherry	20	Pole/Sapling		00									
	Jack Pine	45	Pole	6	60									
	Bigtooth Aspen	5	Pole/Sapling	j 6										
56	4130	- Aspen		Sapling	Well	18.4	28	Immature	N/A		2024 - Stand should covert to pole size next year of entry. 1996 - Sale was final harvested under sale Big Doe Aspen sale, 61-009-			
	Canopy Species	% Cover	Size Class	DBH	Age						96-01.			
	Red Maple	5	Sapling	2										
	Quaking Aspen	35	Sapling	3										
	Bigtooth Aspen	60	Sapling	3	28									

Report 7 – Stands



Stan	d Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed	Site	General Comments
59	4130 - Aspen S			Sapling	g Well	26.6	28 I	mmature	N/A		2024 - Fully Stocked Aspen Stand. Stand should convert to pole size
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	next year of entry. 1996 - Sale was final harvested under sale Big Doe Aspen sale, 61-009-
	Red Oak	10	Pole/Log/Sap	8		Wit	tch Hazel	Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	60	Sapling/Pole	2	28	WI	hite Pine	Low	< 5 feet	Sapling	Good regeneration. Scattered overstory oak of decent quality and
	Jack Pine	5	Sapling/Pole	4		Re	ed Maple	Low	< 5 feet	Sapling	condition and a few pines. Gentle slope with western aspect.
	Quaking Aspen	10	Sapling	2						·	-
	Red Pine	10	Pole	6							
	Red Maple	5	Sapling	2							
60	4130	- Aspen	Po	oletimb	er Wel	52.7	37	1-50	N/A		2024- Stand is pole sized fully stocked aspen stand.
	Canopy Species % Cover Size Class		DBH	Age						1987 Stand was final harvested under sale Regeneration Sale, 61-001-8 01.	
	White Pine	5	Pole/Log	8	_						
	Pin Cherry	5	Sapling	4							
	Bigtooth Aspen	80	Pole/Sapling	6	37						
	Red Maple	10	Pole/Sapling	6							
62	4133 - Aspen, Mixed Pine Po		oletimb	er Wel	86.9	48	51-80	N/A		2024 - Aspen is variable in stand. Aspen ranges from log size to sapling	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	size. Aspen is poor quality at best. There is pine scattered throughout sale. With rolling hills and some opening throughout stand.
	Red Pine	15	Log	14		Re	ed Maple	Low	Variable	Sapling	
	Bigtooth Aspen	50	Sapling/Pole	4	48	Bigto	Bigtooth Aspen		Variable	Sapling	
	Black Cherry	5	Pole/Log	8		Ba	alsam Fir	Low	5 - 10 feet	Sapling	
	White Pine	12	Pole/Log	8		Wit	tch Hazel	Low	5 - 10 feet	Tall Shrub	
	Jack Pine	5	Sapling/Pole	4		R	ed Oak	Low	< 5 feet	Sapling	
	Red Maple	13	Log/Pole	10		WI	hite Pine	Low	Variable	Sapling	
63	4111 - S.Maple, Ha	ard Mast As	ssociation Sa	awtimb	er Wel	109.1	92	141-170	N/A		2024 - Stand contain small amounts of sugar maple in its understory.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	average basal area is around 145 at this time. 1996 - Stand 36 Hardwoods, sale 61-065-96-01, thinning completed
	Bigtooth Aspen	5	Pole/Log	8		Sug	gar Maple	Medium	Variable	Sapling	January 1998. Contains a small pocket of healthy hemlock just north and
	Sugar Maple	65	Log/Pole/XLog	14	92		Beech	Medium	5 - 10 feet	Sapling	west of North Forest Trail and two-track intersection. Northeastern edge
	Red Maple	15	Log/Pole	10		Ire	onwood	Low	Variable	Sapling	is aspen that used to be typed as U0.
	Beech	10	Log/Pole	12		Bla	ck Cherry	Low	5 - 10 feet	Sapling	
	Red Oak	5	Log	14		Re	ed Maple	Medium	Variable	Sapling	
64	4139 - Aspen, I	Mixed Deci	duous Po	letimb	er Poo	r 43.9	46	1-50	N/A		2024 - Stand is open area filling in. Could cut aspen and try expanding
	Canopy Species	% Cover	Size Class	DBH	Age						aspen clones. Stand has rolling hills, with some open areas still scattered throughout it.
	Red Maple	5	Pole/Sapling	7							
	Red Maple Black Cherry	5 35	Pole/Sapling Pole/Sapling	7 6	46						
				_	46						
	Black Cherry	35	Pole/Sapling	6	46						

	Traver	se City Mg	ıt. Unit				Rep	ort 7 – Sta	ands		Compartment: 116 Year of Entry: 2026		
Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments		
65	3301 - Low Dens	ity Deciduo	us Trees	Nonsto	ocked	7.9		Immature	No		2024 - Opening with scattered pole/log cherry trees and some shrubby red maple.		
68	4112 - Maple, Beed	ch, Cherry A	Association	Sawtimb	er Well	441.2	93	81-110	N/A		2024 - Stand has typical heavy beech understory after the harvest. Basal area is currently right around 82 square feet this year of entry.		
	Canopy Species	% Cover	Size Class	5 DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	2017 - Stand was Thinned January 2017-November 2017 under sale		
	Sugar Maple	70	Log/Pole	12	93	Bigto	ooth Aspen	Low	Variable	Sapling	Deja Vu Hardwoods 61-102-16. Southeast part of stand had the most		
	Red Oak	5	Log	14		Ir	ronwood	Medium	Variable	Sapling	oak and beech, most of which was removed. BA will be lower there.		
	Black Cherry	5	Pole	6		Serviceb	erry (Juneberry) Low	Variable	Sapling	1996 - Comp 16 Hardwoods, sale 61-181-96-01, cut 7/1998-8/2000. Some very good quality hardwood, especially sugar maple. Some		
	Red Maple	20	Log/Pole	10		Su	gar Maple	Low	10 - 20 feet	Sapling	mortality in north part of stand, north of 2-track and west of ORV trail,		
							Beech	High	Variable	Sapling	similar to salvage sales in Compartment 113. Part of northeast part of		
						Re	ed Maple	Medium	5 - 10 feet	Sapling	stand was marked but not cut. ORV trail runs through stand.		
						Bla	ack Cherry	Low	5 - 10 feet	Sapling			
69	69 4130 - Aspen S				g Well	23.6	28	Immature	N/A		2024 - Should transition into pole stand next year of entry. 1996 - Part of Section 23 Aspen sale, 61-003-96-01. Removed everything		
	Canopy Species	% Cover	Size Class	DBH	l Age						except oak and hemlock in April 1996 with in interest in getting birch		
	White Pine	5	Sapling	2							regeneration. That does not appear to have happened. Hemlock from		
	Black Cherry	5	Sapling	1							previous stand has all but died out. This part of treatment responded very		
	Red Oak	10	Log	12	86						differently from east half, perhaps due to more overstory oak in east half.		
	Red Maple	15	Sapling	2									
	Bigtooth Aspen	65	Sapling	3	28								
71	4124 - Red	with White (Dak	Sawtimb	er Well	51.2	88	81-110	N/A		2024- Typical species removal from past. Stand understory full of aspen $_{\Box}$ and red maple. Some beech in area, and an oak seedling here and there		
	Canopy Species	% Cover	Size Class		Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	mostly white oak seedlings if any.		
	White Oak	20	Log	13		W	hite Pine	Low	Variable	Sapling	1996 - Portion of stand west of ORV trail was harvested under sale		
	Red Oak	80	Log	13	88	F	Red Oak	Low	Variable	Sapling	Section 23 Aspen sale, 61-003-96-01. Removed everything except oak and hemlock in April 1996 with in interest in getting birch regeneration.		
							Beech	Low	5 - 10 feet	Sapling	That does not appear to have happened. Hemlock from previous stand		
						W	/hite Oak	Low	Variable	Sapling	has all but died out. This part of treatment responded very differently from		
						Re	ed Maple	High	10 - 20 feet	Sapling	west half, perhaps due to more overstory oak here. Stand is two-storied:		
								Medium	Variable	Sapling	older oak over mixed regeneration. ORV trail runs through the stand.		
72		e, Aspen M	lix	Sawtimb			52	111-140	N/A		2024 - Larger pine scattered throughout stand		
	Canopy Species		Size Class		Age		anopy Species	Density	Avg. Height	Size			
	Red Oak	10	Log	12			ed Maple	Low	10 - 20 feet	Sapling			
	White Pine	50	Log/Pole	10	52	W	hite Pine	High	Variable	Sapling			
		~~~											

Bigtooth Aspen

Red Maple

20

20

8

10

Pole

Log

# Report 7 – Stands

Compartment: 116 Year of Entry: 2026 OF NATURAL PRODUCT

Stan	d Level 4 C	over Type	Si	ze De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments
73	4133 - Aspe	en, Mixed F	Pine Pol	letimb	er Well	29.8	38	1-50	N/A		2024 - Stand has transitioned into pole stand this year of entry. Stand
	Canopy Species	% Cover	Size Class	DBH	Age						has larger scattered pine. 1986 - Habitat cut in 1986. White pine is mostly in discrete patches.
	Red Maple	10	Pole/Sapling	6							
	White Pine	30	Pole/Log	8							
	Bigtooth Aspen	60	Pole/Sapling	6	38						
<b>75</b> 4123		Red Oak	Sa	Sawtimber Well		47.5 91 8		81-110	N/A		2024 - Very steep terrian, top of stand is flat dropping off to Jack Pine
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	KW grounds. Some spots might be too steep to operate. Not much oak almost fully stocked undetstory
	Bigtooth Aspen	15	Log/Pole	12		W	ite Pine I	Low	Variable	Sapling	
	White Oak	10	Log/Pole	12		Re	ed Maple	High	Variable	Sapling	
	Hemlock	5	Log/Pole	12		I	Beech	Medium	Variable	Sapling	
	Red Oak	70	Log/XLog	14	91						-
76	4191 - Mixed Upla Co	and Decidu onifer	uous with Sap	oling I	Medium	58.1	7	Immature	N/A		2024 - Scattered large oak, parts of stand open otherws are fully stocke Lots of deer browse issues 2017 - Stand was clearcut under sale -
	Canopy Species % Co		Size Class	e Class DBH Age		Sub-Ca	nopy Species	Density	Avg. Height	Size	Obata Oak, 61-152-16-01. Left ~1 oak/acre and scattered pine and all white pine and oak less than 4" DBH.2014 - Some oak is fairly good
	White Oak	10	Pole/Log	8		Witch Hazel		Low	5 - 10 feet	Tall Shrub	
	Bigtooth Aspen	30	Sapling	1	7						southeast end. O1997 - Everything except oak and hemlock removed in
	Red Pine	3	Sapling	2							1997 as part of 61-010-95-01 (with Comp 112).
	Red Maple	25	Sapling/Pole/Log	3							