

Compartment Review Presentation

Traverse City Forest Management Unit

Compartment 61014 Entry Year 2023 Acreage: 3,293

County Benzie

Management Area: Benzie Outwash

Revision Date: 2021-06-17

Stand Examiner: Tim Webb

Legal Description:

T26N - R14W - Sections 1-3, 8, 10-16

Identified Planning Goals:

This compartment falls within the Benzie Outwash Management Area (MA).

Vegetation management in this MA will provide forest products; maintain or enhance wildlife habitat; protect areas of unique character and threatened, endangered and special concern species; and provide for forest-based recreational uses and Native American noncommercial uses of forest products. Timber management for the next 10 years includes improving the age-class distribution of aspen and red pine. Northern hardwoods management includes continued selective or regeneration harvesting of northern hardwoods to achieve an uneven age-class structure or improve timber quality. Wildlife management objectives include increasing the structural complexity of northern hardwood communities for interior forest species and perpetuating early-successional communities for species adapted to young forests. Expected trends in this 10-year planning period are increased recreational pressure on recreational trails and introduced insect and disease concerns, especially beech bark disease and hemlock wooly adelgid.

Honeysuckle, an invasive species, has increased noticeably in the past 10 years in aspen/hardwood stands on the east side of the compartment. Dormant season harvest of aspen may help accelerate aspen regeneration to at least partly outpace honeysuckle growth and spread.

Mature ash, both white ash in upland hardwood forests and black ash in swamp forests, have been virtually eliminated in this compartment in the past decade. However, there are some areas with ash seedlings. Ash regeneration should continue to be monitored in future re-inventories.

Several stands of over-mature aspen and planted jack pine continue to die off, releasing well-established good quality understory hardwoods.

Soil and topography:

Most of the compartment is level to rolling with some kettle depressions and draws. The valleys of Collison Creek and the Platte River cut through the compartment. Soils are predominantly sand types, including Fogg-Benzonia, Benzonia, Kaleva, and Nessen sands. Muck soils and small areas of loam occur in the river valley.

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

Adjacent lands are mostly private to the west, south, and northeast of the compartment. There is adjoining state land in compartment 13 to the east and compartments 8 and 9 to the north. Within the compartment, there is a large, fairly contiguous block of state land north of U.S. 31; south of the highway the state ownership is more fragmented into smaller parcels. Private lands are mostly dispersed rural residential properties. The Platte River State Fish Hatchery abuts the southeast corner of the compartment; the Village of Honor is on the west side.

Unique Natural Features:

Collison Creek and stretches of the Platte River run through the compartment.

Archeological, Historical, and Cultural Features:

A prehistoric camp/cemetery and woodland mounds are documented in this area. An old, abandoned rail grade follows the river valley in the south part of the compartment.

Special Management Designations or Considerations:

The bluff along the Platte River in section 12 is included in a designated special conservation area to protect riparian values here and extending into adjacent compartment 13.

Watershed and Fisheries Considerations:

Portions of both Collison Creek and the Platte River flow through Compartment 14. Collison Creek is a designated Type 1 trout stream and the Platte River is a designated Type 4 trout stream. Since both of these streams are of high quality their

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trout populations are supported by natural reproduction, and they are not stocked. The Platte River is also the only broodstock source for the State of Michigan's coho salmon production program, and is a back-up broodstock source for the State of Michigan's steelhead production program. To keep these water bodies in good condition it is critical that BMP's and buffers are strictly adhered to. No clear cuts should take place in riparian areas as the shading and recruitment of woody debris to trout streams is highly desirable. Additionally, forest management for young aspen regeneration in the stream corridors should be avoided to discourage beaver activity. Management in the stream corridors should instead be for old-growth coniferous species, or at least for coniferous species.

Wildlife Habitat Considerations:

State lands in sections 15 & 16 fall within a flat, poorly drained lake plain (LTA 6149) along the Platte River floodplain. Allowing these forests to succeed naturally will provide mature riparian forest cover beneficial to species such as winter wren, golden-crowned kinglet, otter, pileated woodpecker, wintering deer, barred owl, gray fox, and wood frog.

The remaining State land in this compartment is predominately on glacial outwash plains of dry sandy soils. Overall, wildfires were a common phenomenon on these dry soils and represent an important natural disturbance. These fires created and sustained a variety of fire driven communities; however parts of this landscape were at times shielded from fire to a degree. Consequently, some management for successionally advanced hardwood/white pine stands is fitting to this compartment. Hardwood treatments should be designed to incorporate the preservation of tree species diversity, the retention of mature mast producing trees, and the protection of den, cavity, and downed trees. Beech was particularly important to wildlife in these drier hardwood types. Efforts should be made to subsidize the loss of beech as a mast tree. Tops should be left onsite, unchipped, and in scattered piles for habitat. Many wildlife species, including broad-winged hawks, wild turkeys, southern flying squirrels, eastern gray squirrels, and Baltimore orioles, are associated with these forest types.

The northeastern part of the compartment has a history of aspen cutting. Such early successional management is appropriate and should be continued in this area, with additional aspen harvests scheduled this inventory cycle in order to increase age class diversity. The incorporation of snags, leave trees, brush piles, and downed logs in these cuts will help to replicate a wildfire-altered forest and increase wildlife use by species like grouse, woodcock, golden-winged warbler, and deer.

Future management of the several pine stands here should consider incorporating small (2-5 acre) islands that are left relatively un-thinned within mature stands to provide winter roosting cover for turkeys.

Openings are an important part of this dry and fire prone landscape. Opening maintenance will continue in the compartment to benefit grassland species and species utilizing the edge component of these openings, such as, cedar waxwing, deer, wild turkey, mourning dove, meadow vole, or red fox.

Mineral Resource and Development Concerns and/or Restrictions

The nearest active sand/gravel pit is one mile to the west, in Honor. There is good potential for sand and lesser amounts of gravel within the compartment. The compartment is northwest of the main Antrim play trend, and the Antrim Shale is thinner here and wells in this area are typically less productive compared to those farther southeast. Several Antrim wells have been completed in the area including some just outside the compartment. However, none have produced to date. Most have sat idle for many years "waiting for pipeline infrastructure". The wells are not economical at the current low price of natural gas, and it is unlikely they will produce anytime soon. Some have been plugged in the last few years. There are some active state oil & gas leases associated with these Antrim wells just outside the compartment. Additional oil & gas leasing in the near future is unlikely for the reasons noted above. There is no known metallic mineral potential in this part of the state.

Vehicle Access:

Access to the dispersed state land parcels south of U.S. 31 is quite limited.

Most of these parcels are either landlocked or are wetlands. Some hardwood parcels desirable for harvesting would only be accessible via private lands. The rest of the compartment north of U.S. 31 has reasonably good access for management and recreation, except for some particular areas where terrain is prohibitive. Some trails on the bluff in section 12 could be closed to prevent erosion.

Survey Needs:

The compartment is adequately monumented.

Recreational Facilities and Opportunities:

Vet's Memorial State Forest Campground is within this compartment, as is the entrance to the Platte River State Forest Campground (the campground itself is just south in adjacent compartment 61015). The Platte River snowmobile trail is also within the compartment. The Platte River is popular for trout fishing. There are good grouse hunting opportunities, trapping and waterfowl hunting in the river bottoms. An old gravel pit along Pioneer Road is a popular local target-shooting site.

Fire Protection:

Wildfire protection for this area is from the Traverse City DNR Office on M-37, at least 20 minutes east of the compartment. Assistance is also available from the Homestead Township Volunteer Fire Department located within the compartment boundary. Road access is fair to poor due to wet low lying areas. Water access for suppression is readily available and should be considered a plus for fire suppression planning. Wildfire occurrences in this compartment have been historically low.

Additional Compartment Information:

A small, isolated parcel in the SW ¼ of section 10 should be considered for disposal.

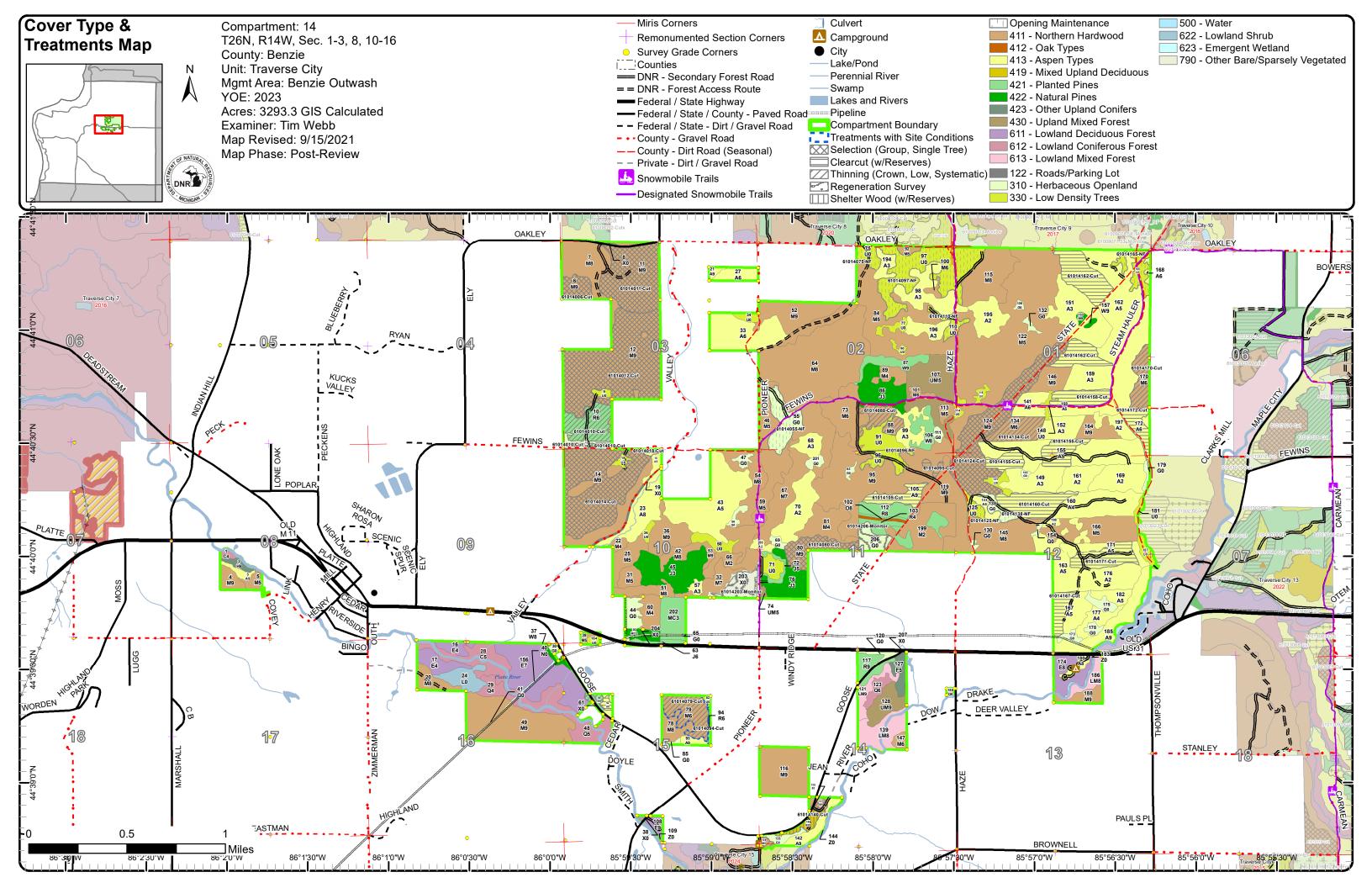
The old gravel pit along Pioneer Road (stand 71) which is used for target shooting may need realignment of shooting lanes to improve public safety.

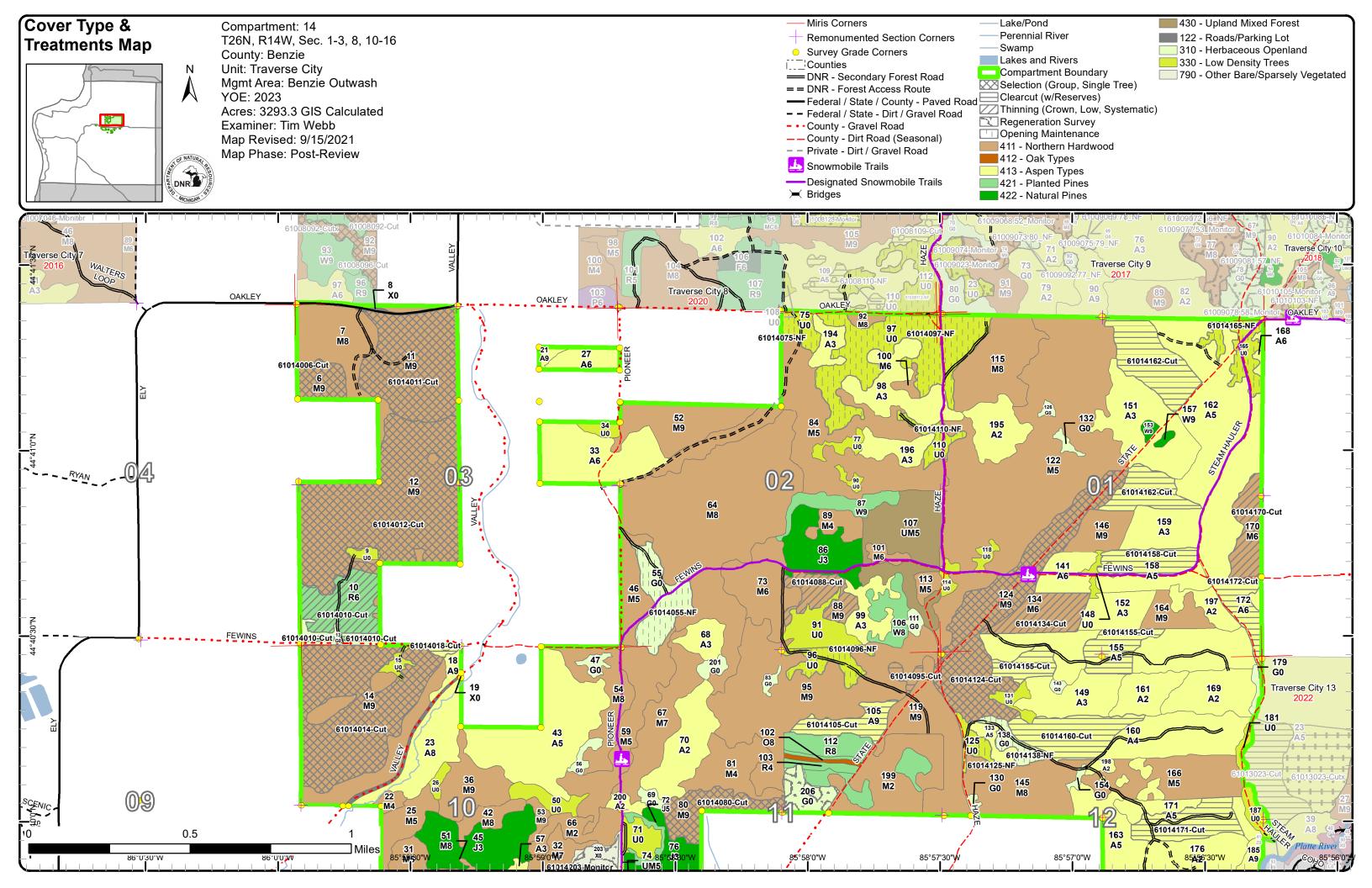
The following reports from the Inventory are attached:

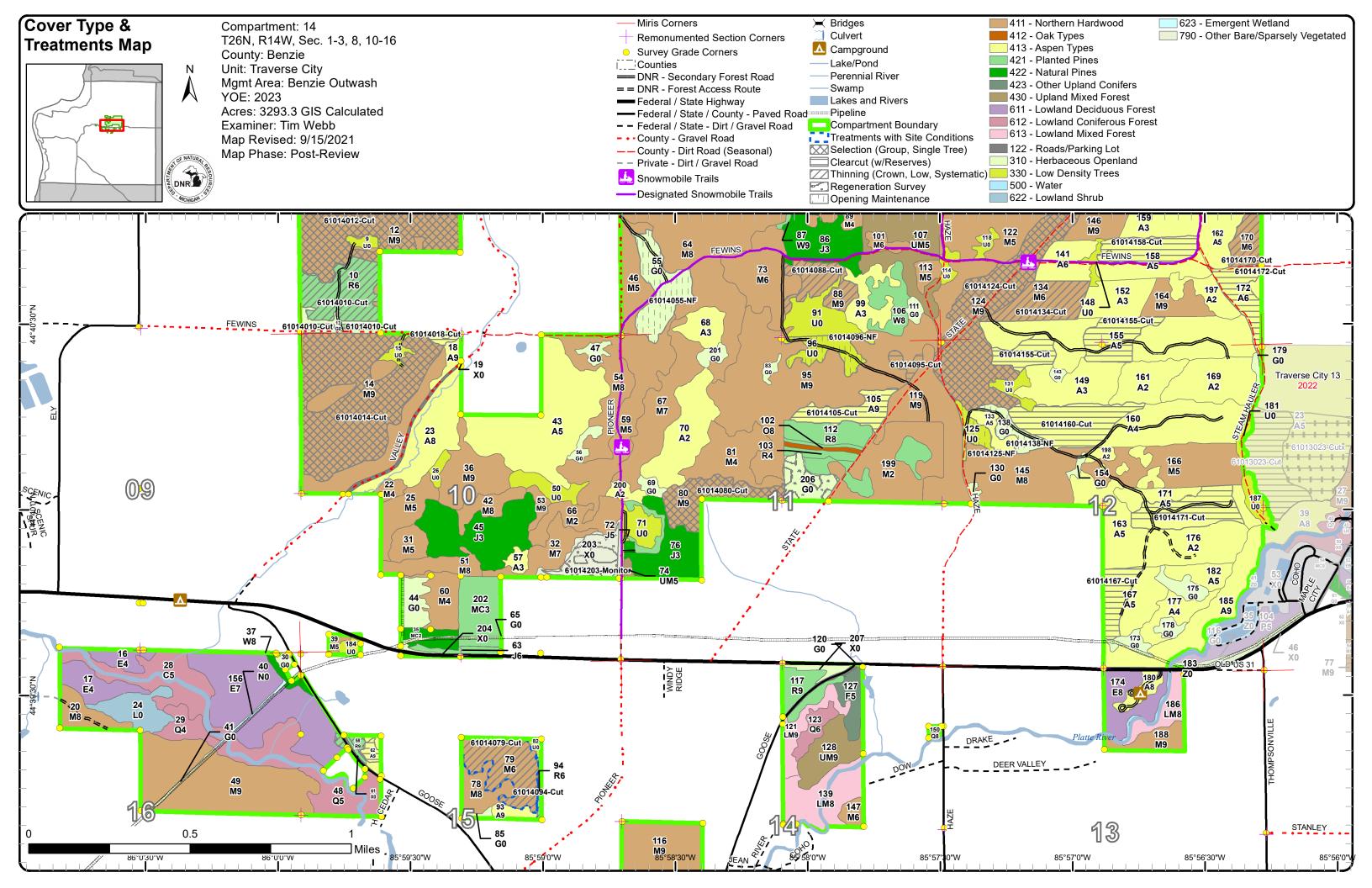
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

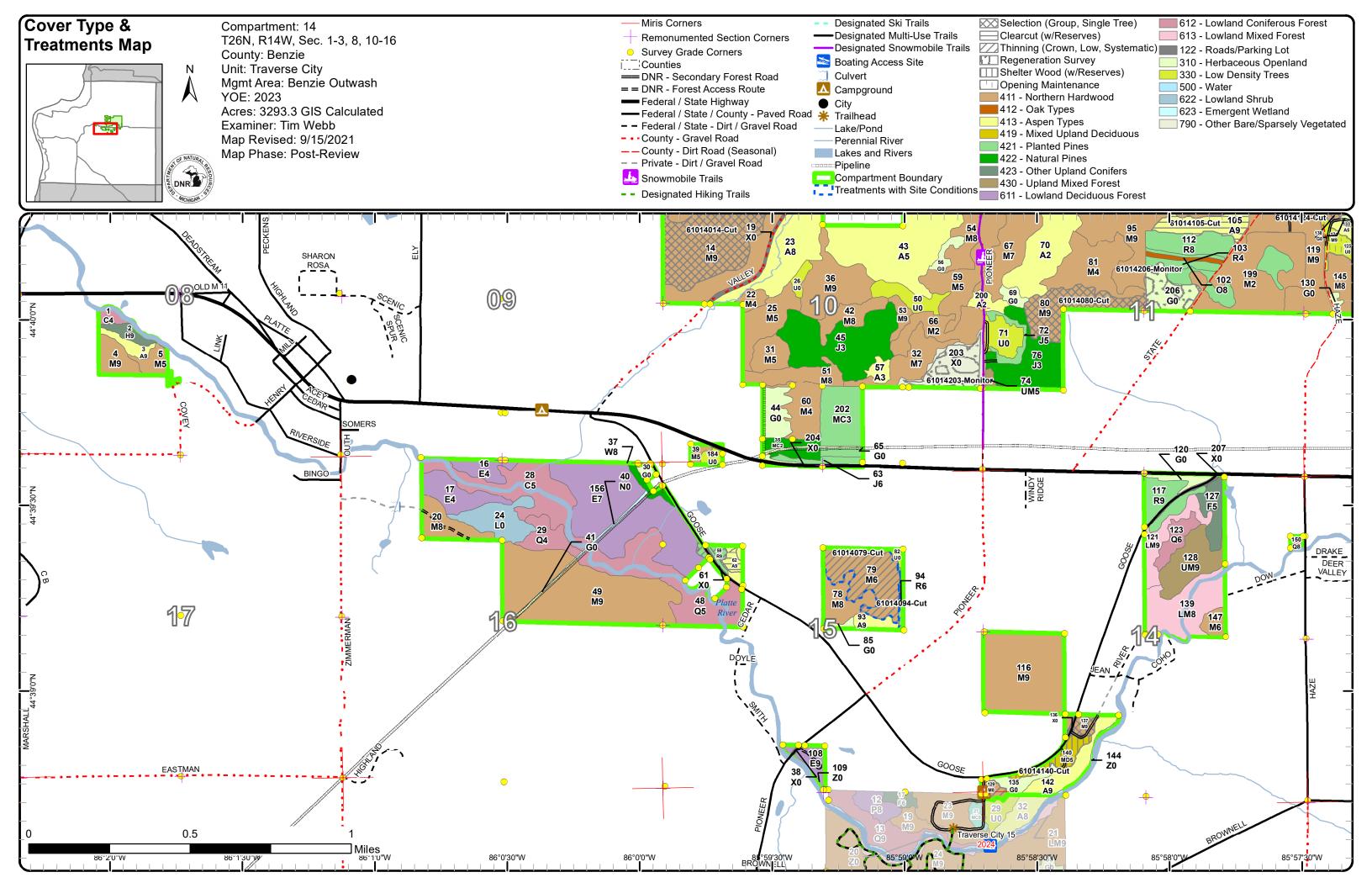
The following information is displayed, where pertinent, on the attached compartment maps:

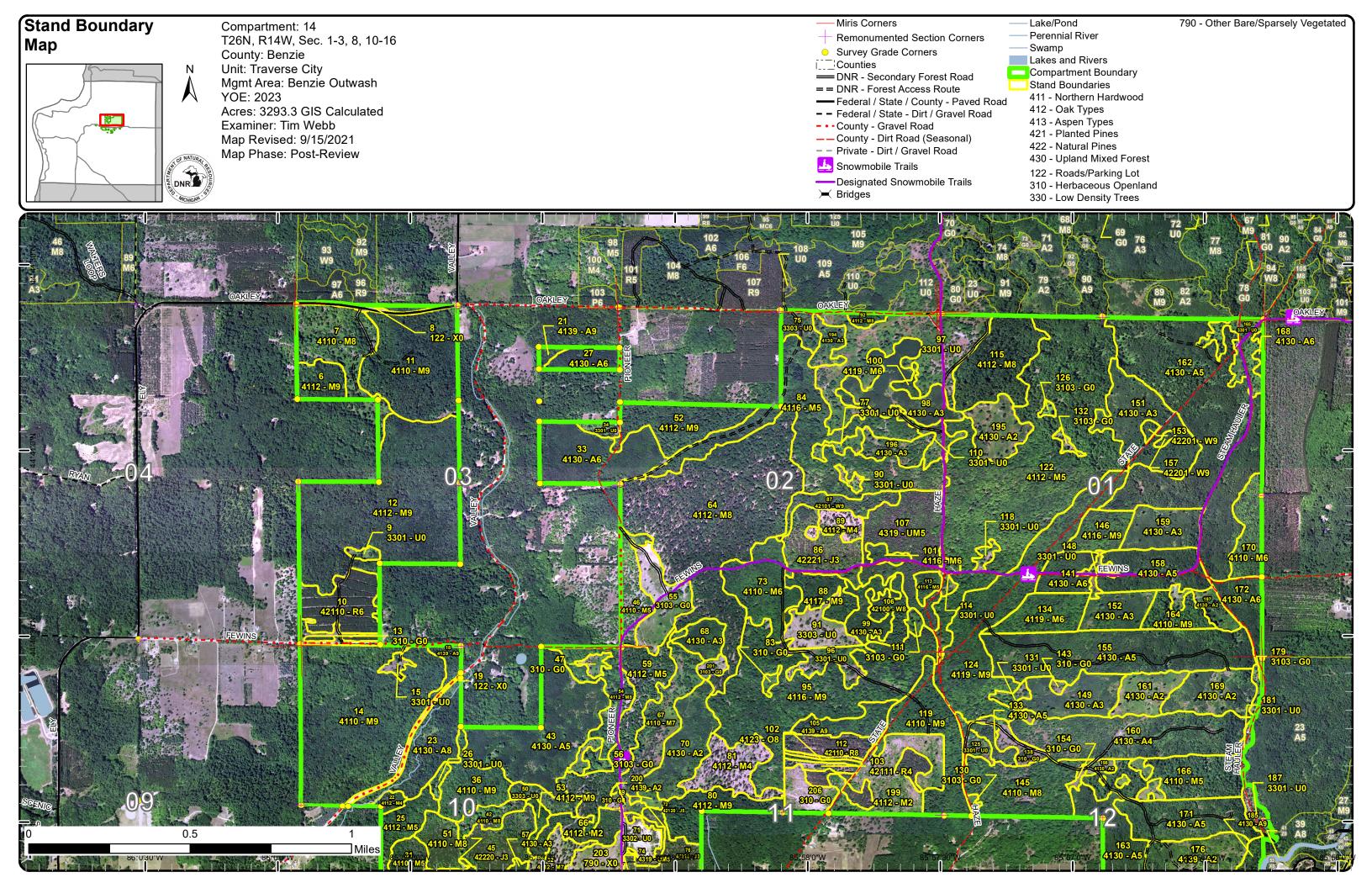
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

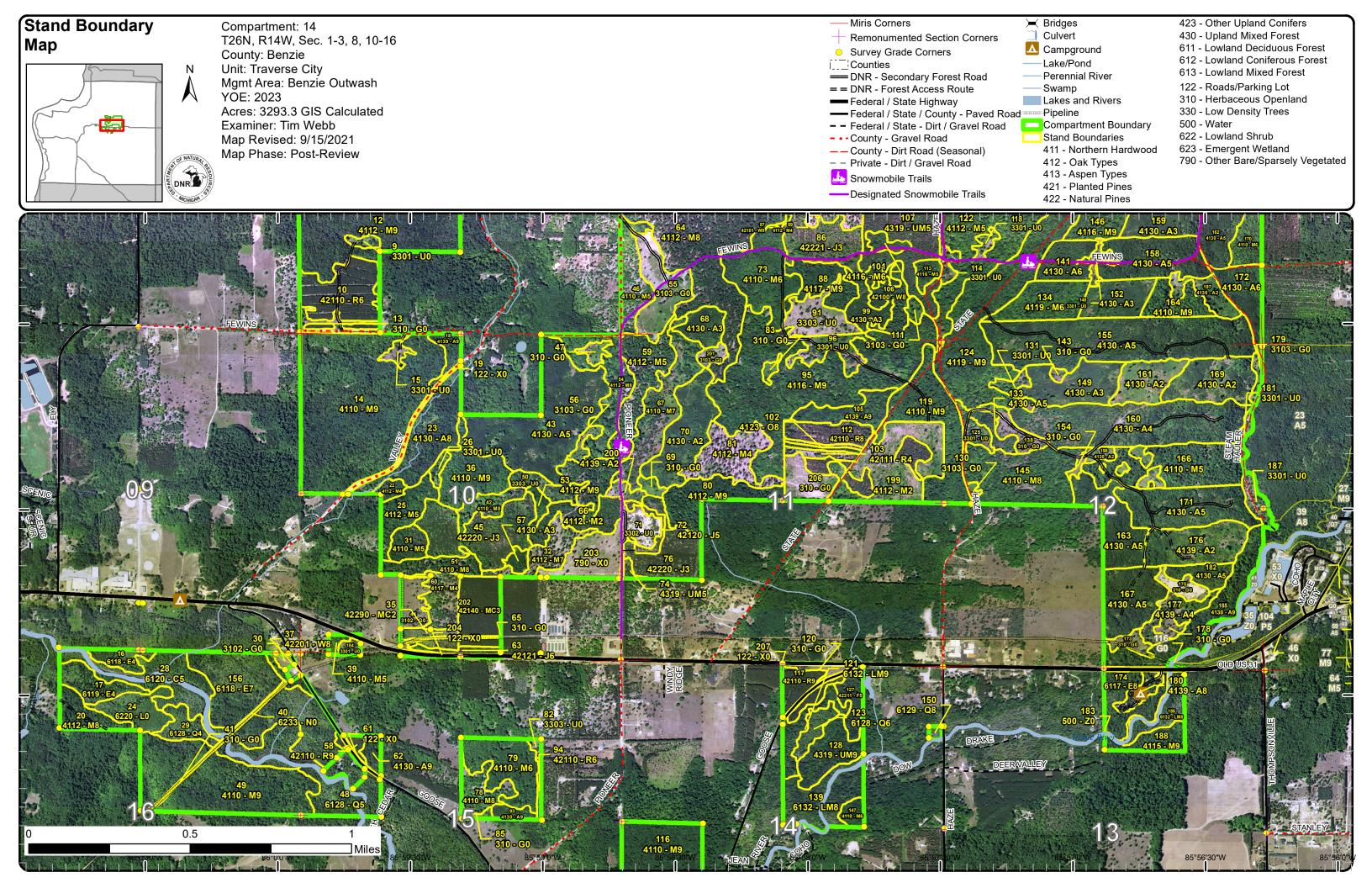


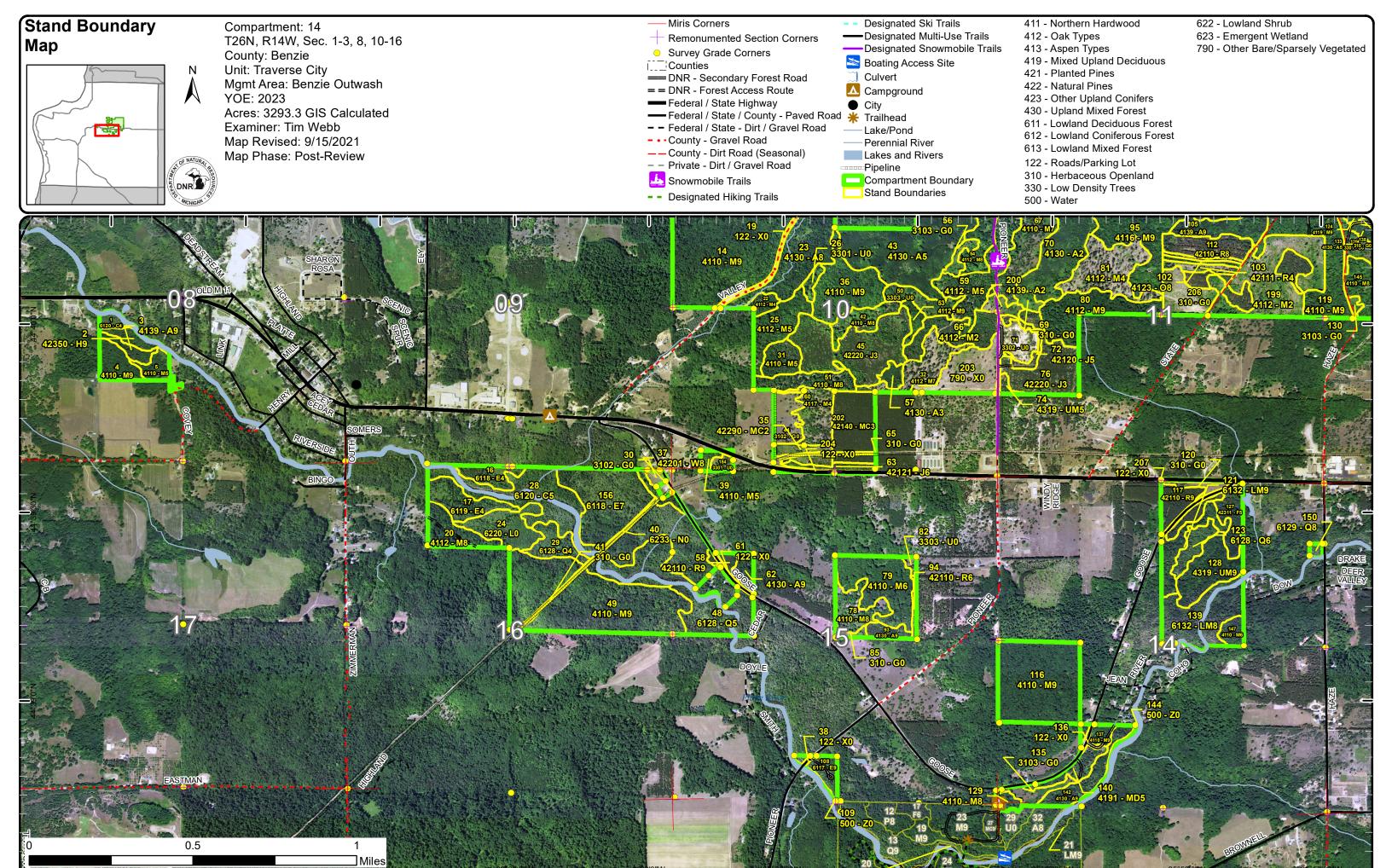


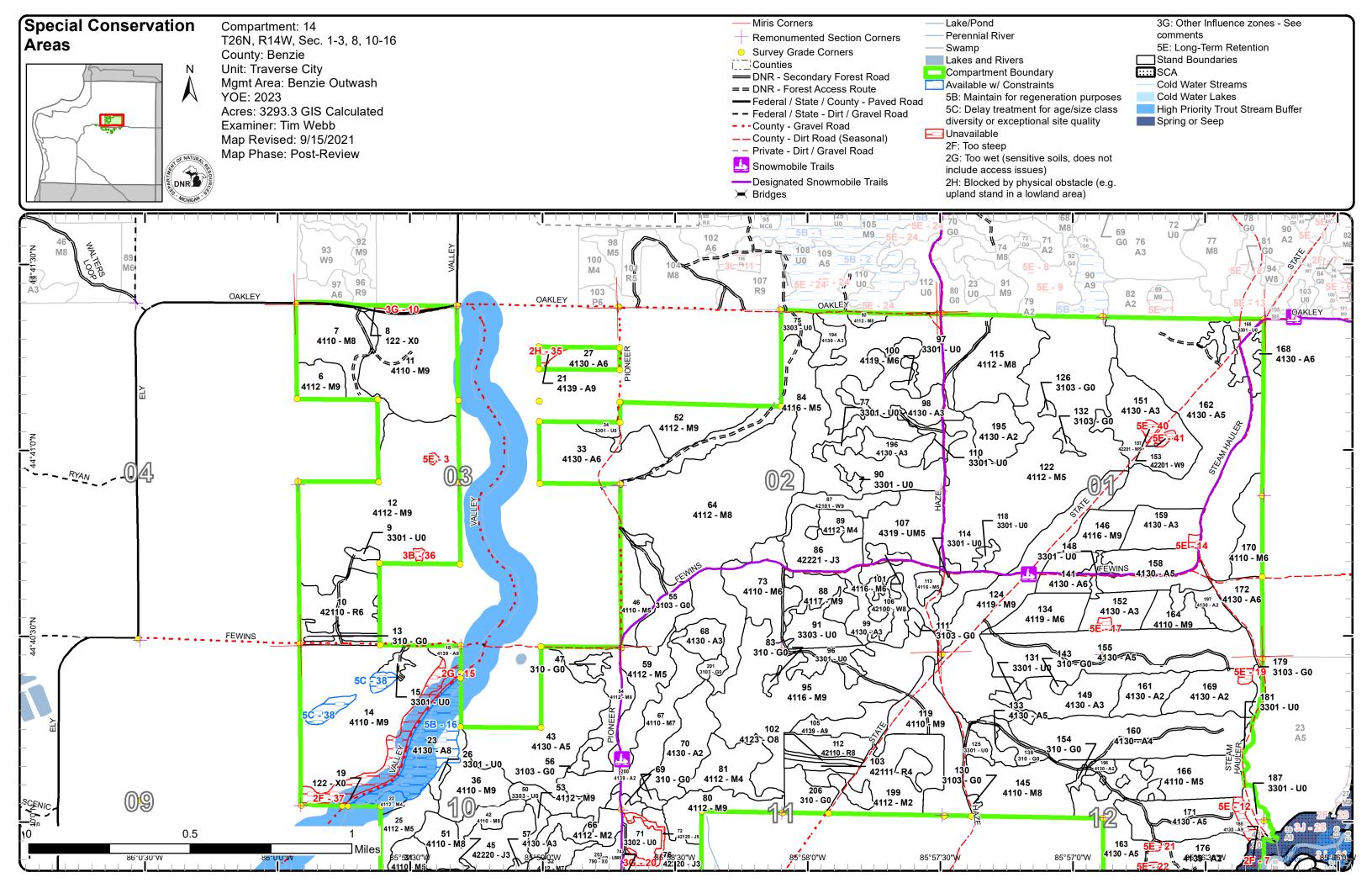


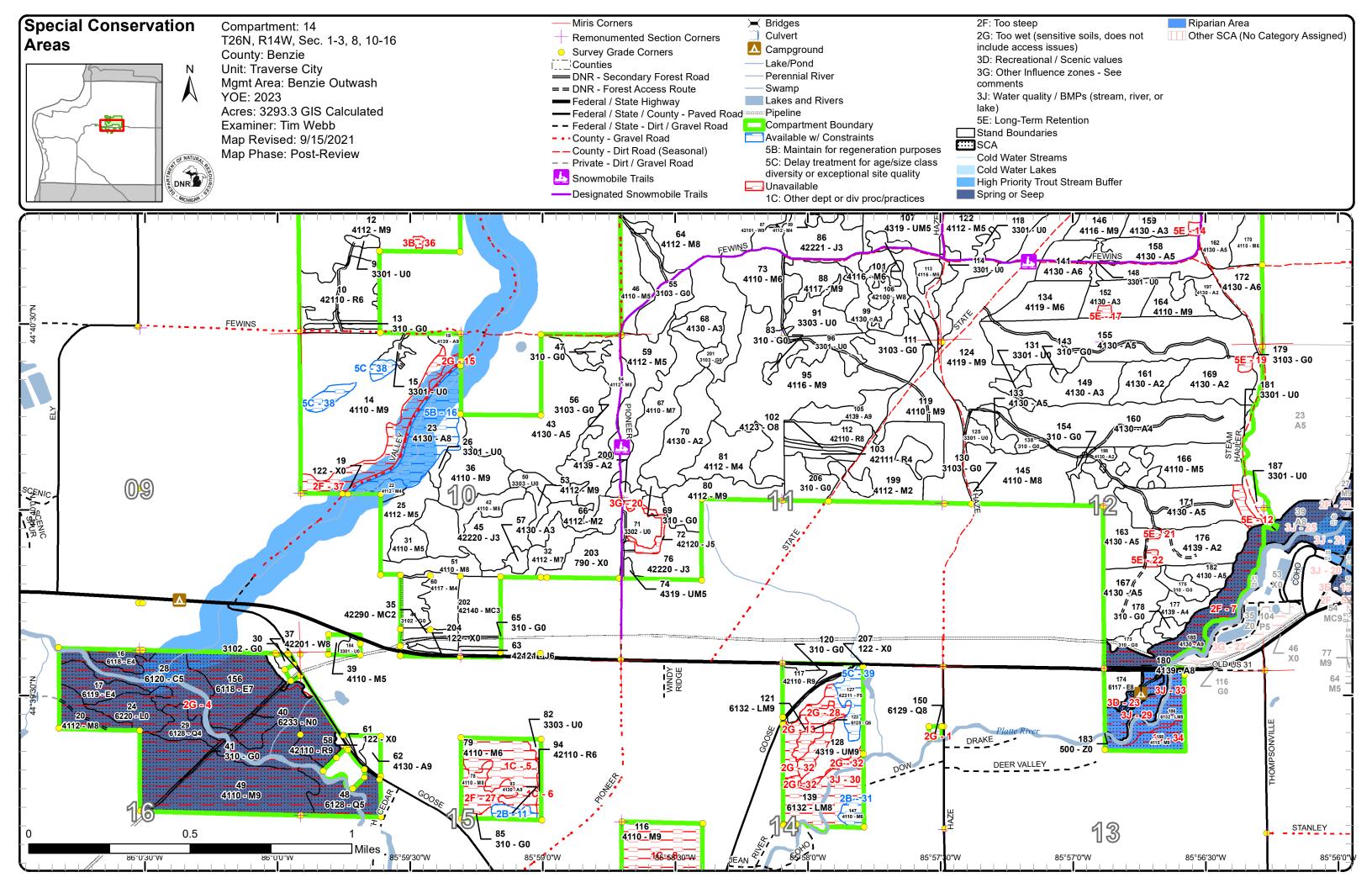


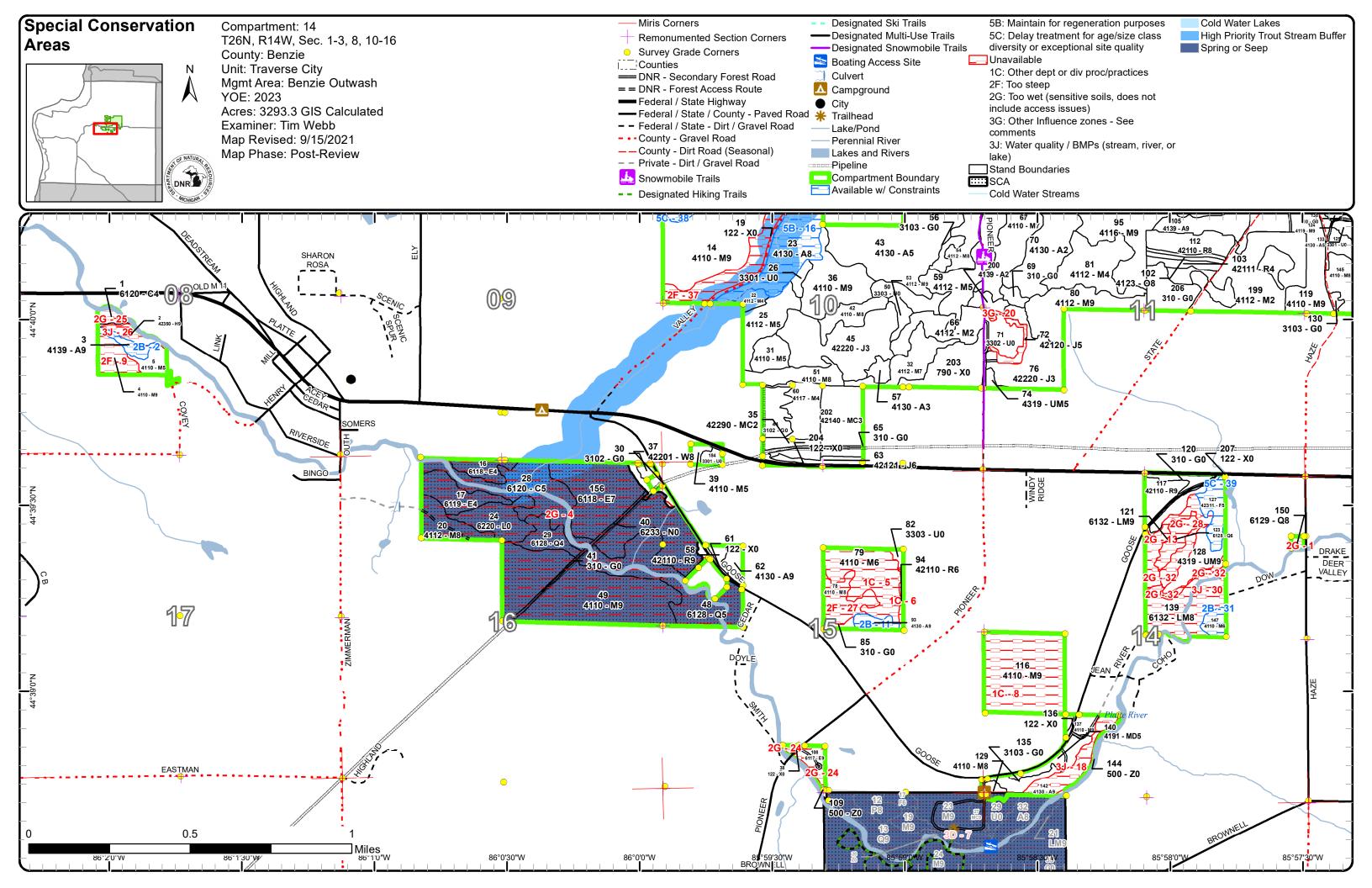












Compartment 14 Year of Entry 2023

Traverse City Mgt. Unit Tim Webb: Examiner



Age Class

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Aspen	0	60	200	139	368	19	2	59	4	0	5	0	0	0	0	0	0	38	892
Bare/Sparsely Vegetated	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	3	46
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	4
Herbaceous Openland	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	98
Jack Pine	0	0	77	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	83
Low-Density Trees	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	168
Lowland Conifers	0	0	0	0	0	0	0	0	0	6	8	0	0	0	17	0	0	1	32
Lowland Deciduous	0	0	0	0	0	0	11	0	15	0	0	0	0	0	0	0	0	65	91
Lowland Mixed Forest	0	0	0	0	0	0	0	0	32	0	9	0	0	0	0	0	0	0	41
Lowland Shrub	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Marsh	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	6
Natural Mixed Pines	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Northern Hardwood	0	34	0	0	0	63	0	4	9	277	300	504	3	0	0	0	0	403	1597
Oak	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	2
Planted Mixed Pines	0	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Red Pine	0	0	0	0	26	2	0	37	2	0	0	0	0	0	0	0	0	0	67
Upland Mixed Forest	0	0	0	0	0	0	0	40	0	1	0	0	0	0	0	0	0	15	56
Upland Spruce/Fir	0	0	0	0	0	0	0	8	0	0	0	0	0	0	0	0	0	0	8
Urban	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	3	0	24	0	0	0	0	0	0	0	0	0	27
Total	317	94	283	157	394	84	22	153	89	284	322	504	51	0	17	0	0	525	3293



Report 2 – Treatment Summary

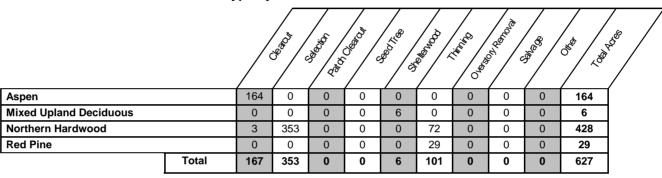
Traverse City Mgt. Unit Year of Entry: 2023

Acres of Harvest

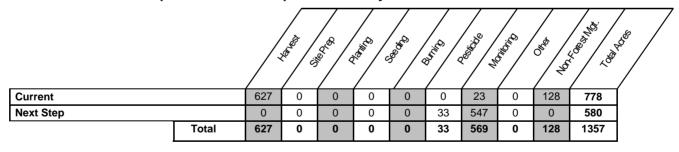
Compartment 14
Total Compartment Acres: 3,293

Commercial Harvest - 603 Harvests with Site Condition - 24 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Traverse City Mgt. Unit

Report 3 -- Treatments

Compartment: 14 Year of Entry: 2023

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Treatment Name

Acres

Stand CoverType

Size Stand Density Age

BA Range **Treatment** Type

Treatment Method

Cover Type Objective

Age Structure Habitat Cut

No

Approved Treatments:

61014006-Cut 10.7 4112 - Maple, Sawtimber 101 81-110 Harvest Single Tree 4112 - Maple, Beech, Cherry Well Selection

Association

Beech. Cherry Association

Association

Uneven-Aged

Prescription Mark for thinning, focusing removal on poorer quality and multi-stemmed trees. Lower BA to 80-90. Retain some cherry, beech for mast

production. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Sugar maple, red maple, cherry and basswood are preferred in regen. gaps, but any mix of northern hardwoods is acceptable. Aspen may <u>Acceptable</u>

Regen: regenerate as well in some patches where mature aspen are removed.

Other Old next step comments: None.

Comment:

Site Condition

Proposed Start Date: 10/1 /2015

42110 - Planted 42110 - Planted Even-Aged 61014010-Cut 26.0Poletimber 39 171-Harvest Systematic Nο

Red Pine Red Pine Well 200 Thinning

Prescription 3rd-row thin. Leave hardwoods uncut as much as possible; but if cut, leave for woody debris.

Specs:

Next Step

Treatments:

Acceptable Regen:

Other

Comment: Site Condition

Proposed Start Date: 10/1 /2022

61014011-Cut 56.0 4110 - Sugar Maple Sawtimber 101 111-Harvest Single Tree 4110 - Sugar Uneven-No 140 Selection Maple Association Well Aged

Prescription Mark for selection; target residual BA of 90.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed northern hardwoods in regen gaps

Regen:

Other Comment:

Site Condition

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Report 3 -- Treatments

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a n d	Treatment Name	Acres	Stand CoverType	Size Stand Density Age	I BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
12	61014012-Cut	115.4	4112 - Maple, Beech, Cherry	Sawtimber 10° Well	1 141- 170	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry	Uneven- Aged	No

Specs:

Prescription Mark for thinning, with a residual BA of 80-90. Marking and sale specs should consider the presence of EAB and beech scale in the stand. Create some regeneration holes. Mark judiciously around existing hemlock to prevent damage and to promote release or regeneration of

additional hemlock.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Sugar maple, red maple, cherry and basswood are preferred in regen. gaps, but any mix of northern hardwoods is acceptable. Aspen may

regenerate as well in some patches where mature aspen are removed. Regen:

Other Old next step comments: None. Mixed hardwood saplings are desired in regeneration holes, although initial dominance of ironwood and

Comment: beech is likely.

Site Condition

Proposed Start Date: 10/1 /2015

61014014-Cut 81.6 4110 - Sugar Maple Sawtimber 100 111-Harvest Single Tree 4110 - Sugar Uneven-No Well 140 Selection Maple Aged Association Association

Prescription Mark for selection harvest; target residual BA of 90. Create some regen gaps centered on aspen clones.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed northern hardwoods and aspen in regen gaps

Regen:

Other Two areas with younger hardwoods are excluded from the sale area, along with the bluff along the SE side of the stand. Size, shape and Comment:

number of excluded areas may change during sale preparation.

Site Condition

Proposed Start Date: 10/1 /2022

61014018-Cut 4139 - Aspen, Clearcut with 4130 - Aspen 1.3 Sawtimber 93 81-110 Harvest Even-Aged No Mixed Deciduous Well Retention

Prescription Clearcut all stems greater than 2" dbh. Leave hemlock uncut.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods

Regen:

Other A small patch of hardwood/hemlock along the north property line will serve as retention.

Comment:

Site Condition

Traverse City Mgt. Unit

Report 3 -- Treatments

Compartment: 14 Year of Entry: 2023

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Treatment Stand BA **Treatment Treatment Cover Type** Acres Stand Size Age Habitat Method Objective Name CoverType Density Age Range Type Structure Cut

55 61014055-NF 20.1 3103 - Rubus-Fern Nonstocked Immatu NonForestMgt **Brush Cutting**

3204 - Mast Producing Shrub

Specs:

Prescription Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.

Next Step Treatments:

Acceptable

Regen: Other

Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

Crown Thinning 42110 - Planted Even-Aged 42110 - Planted 71 201+ 61014058-Cut 1.8 Sawtimber Harvest Nο Red Pine Red Pine

Prescription Mark for thinning, removing about 1/3 of the trees.

Specs:

Next Step **Treatments:**

Acceptable Regen:

Other Comment: Access for harvesting may be difficult. The part of the stand west of Goose Rd, has little room for a landing and may have to be left out of the sale. The part east of the road was previously thinned with access across private land, which may have to be used again if the landowner grants permission. Old next step comments: None.

Site Condition

Proposed Start Date: 10/1 /2012

61014062-Cut 1.9 4130 - Aspen Sawtimber 71 Harvest Clearcut with 4130 - Aspen Even-Aged No Well Retention

Prescription Cut all aspen over 2" dbh. Leave most or all trees of other species for retention.

Specs:

Next Step **Treatments:**

Acceptable Regen:

Other

Combine with adjacent pine thinning on one sale. Access will probably be restricted to adjacent private land. Old next step comments:

Comment: None. Should regenerate adequately with aspen sprouts.

Site Condition

Proposed Start Date: 10/1 /2012

61014075-NF 7.0 3303 - Mixed Low Nonstocked Immatu NonForestMgt 3204 - Mast No 75 **Brush Cutting Density Trees** Producing Shrub

Prescription Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings Specs:

and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.

Next Step

Treatments:

Acceptable

Regen: Other

Comment:

Site Condition

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition Other Dept./Div. Processes

Traverse City Mgt. Unit

Report 3 -- Treatments

Compartment: 14 Year of Entry: 2023 DNR DICHIGAN

а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age Habitat n Method Objective Name CoverType Density Age Range Type Structure Cut d

95 61014095-Cut 2.9 4116 - Mixed N. Sawtimber 81-110 Harvest Clearcut with 4139 - Aspen, Even-Aged Nο Mixed Hardwood - Aspen Well Retention Deciduous

<u>Prescription</u> Cut all trees >2" dbh. Mark a few scattered hardwoods, pines, or aspen cavity trees to retain. Cut and leave 1-2 trees >10" dbh for CWD. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

S

t

Acceptable aspen, mixed hardwoods

Regen:
Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2022

96 61014096-NF 10.7 3301 - Low Density Nonstocked NonForestMgt Brush Cutting 3204 - Mast No Deciduous Trees Producing Shrub

Prescription | Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.

Next Step Treatments:

Acceptable Regen:

<u>Regen.</u>

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2022

97 61014097-NF 57.1 3301 - Low Density Nonstocked Immatu NonForestMgt Brush Cutting 3204 - Mast No Deciduous Trees re Producing Shrub

Prescription Specs:

Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.

Next Step Treatments:

Acceptable

Regen:

Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.

Comment:

Other 4 1

Site Condition

Report 3 -- Treatments

Compartment: 14	
Year of Entry: 2023	

Deciduous

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i	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
(Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Cut
1	05 61014105-Cut	12.6	4139 - Aspen, Mixed Deciduous	Sawtimbe Well	er 62	111- 140	Harvest	Clearcut with Retention	4139 - Aspen, Mixed	Even-Aged	No

<u>Prescription</u> Cut all trees >2" dbh, except retain some scattered patches and/or individual hardwoods and pines totaling about 5% of the area. Cut and Specs: leave 1-2 trees >10" dbh for CWD.

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

Treatments:

S

Acceptable aspen, mixed hardwoods, pine

Regen:
Other
Comment:
Site Condition

Proposed Start Date: 10/1 /2022

110 61014110-NF 6.7 3301 - Low Density Nonstocked Immatu NonForestMgt Brush Cutting 3204 - Mast No Deciduous Trees re Producing Shrub

Prescription Specs:

Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.

Next Step Treatments:

Acceptable Regen:

Other Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

124 61014124-Cut 67.2 4119 - Mixed Sawtimber 106 111-Harvest Single Tree 4119 - Mixed Uneven-No Northern Northern Hardwoods Well 140 Selection Aged Hardwoods

<u>Prescription</u> Mark for selection, residual BA about 90. Harvest most of the aspen and beech. Create some regen holes centered on aspen clones. Avoid <u>Specs:</u> cutting conifers. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed hardwoods, white pine; aspen in regen holes

Regen: Other

Comment:

Site Condition

Report 3 -- Treatments Traverse City Mgt. Unit Compartment: 14 S Year of Entry: 2023 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age Habitat n Method **Objective** Density Structure Name CoverType Age Range Type Cut d 125 61014125-NF 5.4 3301 - Low Density Nonstocked Immatu NonForestMgt **Brush Cutting** 3204 - Mast No **Deciduous Trees** Producing Shrub Prescription Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings Specs: and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source. Next Step Treatments: Acceptable Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 Low Thinning 4110 - Sugar 2.0 4110 - Sugar Maple Sawtimber 105 81-110 Uneven-129 61014129-Cut Harvest Nο Association Medium Maple Aged Association Prescription Mark for selection harvest; target residual BA of 90. Exclude part of stand west of campground access road. Specs: Next Step Treatments: **Acceptable** Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 134 61014134-Cut 18.1 4119 - Mixed Poletimber 90 81-110 Harvest Crown Thinning 4110 - Sugar Uneven-No Northern Hardwoods

Prescription Mark for thinning. Focus removal on aspen and multi-stemmed hardwoods. Residual BA about 90. Specs:

Well

Next Step Treatments:

Acceptable

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

Maple

Association

Aged

S t		Tra	verse City	Mgt. Unit		Repo	rt 3	Treatments	Compartmen Year of Entry		OF NATURAL AND NATURA AND NATURAL AND NATURA AND	
a n d	Treatm Name		Acres	Stand CoverType	Size Density		BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
137	6101413	7-Cut	2.6 4	110 - Sugar Maple Association	Sawtimbe Well	er 115	111- 140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven- Aged	No
Preso Spec		Mark fo	r selection	harvest; target res	idual BA c	of 90. C	ut most o	of the aspen.				
	Step ments:	Monitor	ing, Natura	al Regen (Re-Inven	tory)							
Acce Rege		mixed h	nardwoods	and aspen in reger	n gaps							
Other Comi	-											
Site (Condition	ļ.										
Propo	osed Sta	rt Date:	10/1 /202	22								
138	610141	38-NF	7.0	310 - Herbaceous Openland	Nonstock	ed		NonForestMgt	Brush Cutting	3204 - Mast Producing Shrub)	No
Preso Spec	<u>s:</u>	wildlife	food and c	nd fell) around select cover. Could plant string right string.	site approp	oriate na	ative shru	bs and/or mast p	roducing trees for	wildlife food and	cover. Fertili	
	Step ments:											
Acce Rege	ptable n:											
Other Comi	<u>r</u> ment:											
Site (Condition	l										
Propo	osed Sta	rt Date:	10/1 /202	22								

Prescription Cut all aspen, most of the cherry, pole-sized spruce. Leave maple, larger spruce and white pine. Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any mix of aspen, cherry, maple, spruce, white pine

Regen: **Other**

Comment:

Site Condition

Traverse	City	Mgt.	Unit
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Report 3 -- Treatments

Compartment: 14 Year of Entry: 2023

S t а

Treatment Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Age Objective Structure Name CoverType Density Range Type Cut d 155 61014155-Cut 23.6 4130 - Aspen Poletimber Unspec Harvest Clearcut with 4130 - Aspen Even-Aged Nο Medium Retention ified Prescription Clearcut all trees >2" dbh, except do not cut elm, basswood, white pine, juneberry, or hawthorn. Delineate about 5% within the treatment area for retention islands incorporating areas with more hardwoods and/or hardwood regeneration pockets. Cut and leave 1-2 trees >10" Specs: dbh for CWD. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, mixed hardwoods, white pine Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 38 14.4 4130 - Aspen 4139 - Aspen, 158 61014158-Cut Poletimber Unspec Harvest Clearcut with Even-Aged Nο Medium ified Retention Mixed Deciduous Prescription Clearcut all stems greater than 2" dbh. Leave mixed-species retention islands totaling about 5% of the treatment area. Also retain all conifers. Cut and leave 1-2 trees >10" dbh for CWD. Use pertinent contract specs to protect the snowmobile trail surface and its use during Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable aspen, mixed hardwoods, white pine Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2022 160 61014160-Cut 24.5 4130 - Aspen Poletimber 38 Harvest Clearcut with 4139 - Aspen, No Even-Aged Poor Retention Mixed Deciduous Prescription Clearcut all trees >2" dbh, except do not cut elm, white pine, or juneberry. Delineate about 5% of the treatment area for retention islands, incorporating areas with more hardwoods. Cut and leave 1-2 trees >10" dbh for CWD. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, mixed hardwoods, white pine Regen: Other Consider dormant season harvest to give aspen regeneration an edge over honeysuckle. Comment:

Site Condition

Medium

eatments Compartment: 14
Year of Entry: 2023

Retention

а **Treatment** Stand BA **Treatment Treatment Cover Type** Acres Stand Size Age Habitat n Density Method Name CoverType Age Range Type Objective Structure Cut d 162 61014162-Cut 42.9 4130 - Aspen Poletimber Immatu Harvest Clearcut with 4130 - Aspen Even-Aged Nο

Prescription Specs: Clearcut all stems greater than 2" dbh. Leave mixed-species retention islands totaling about 5% of the stand area. Also retain all conifers. Cut and leave 1-2 trees >10" dbh for CWD. Use pertinent contract specs to protect the snowmobile trail surface and its use during harvest.

<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)

Treatments:

S

t

Acceptable aspen, white pine, mixed hardwoods

Regen: Other

Comment:
Site Condition

D 10: 10: 10

Proposed Start Date: 10/1 /2022

165 61014165-NF 13.8 3301 - Low Density Nonstocked Immatu NonForestMgt Brush Cutting 3204 - Mast No Producing Shrub

Prescription Specs:

Brush hog (or hand fell) around select leave trees and/or patches. Leave scattered mast producing trees and shrubs and/or conifers for wildlife food and cover. Could plant site appropriate native shrubs and/or mast producing trees for wildlife food and cover. Fertilize plantings and protect with wire cages or tubex. Considering establishing herbaceous/forbs ground cover for wildlife food source.

Next Step Treatments:

Acceptable Regen:

Other Use appropriate methods to protect the snowmobile trail surface and its use during project implementation.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

167 61014167-Cut 10.4 4130 - Aspen Poletimber 38 Harvest Clearcut with 4130 - Aspen Even-Aged No Medium Retention

Prescription Clearcut all trees >2" dbh except elm and maple. Leave a couple of small retention areas uncut within the treatment area. Cut and leave 1-

Specs: 2 trees >10" dbh for CWD.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed hardwoods

Regen:

Other Consider dormant season harvest to promote thick, fast regeneration to overcome honeysuckle.

Comment:

Site Condition

Proposed Start Date: 10/1 /2022

17061014170-Cut15.5 4110 - Sugar MaplePoletimber92111-HarvestCrown Thinning4110 - SugarUneven-NoAssociationWell140MapleAgedAssociationAssociation

Prescription Thin to improve hardwood quality and spacing.

Specs: Cut most of the aspen, but leave some for snags/cavity trees. Residual BA about 90.

Next Step Treatments:

Acceptable aspen and mixed hardwoods in canopy gaps

Regen:
Other
Comment:

Site Condition

Traverse City Mgt. Unit Report 3 -- Treatments Compartment: 14 S Year of Entry: 2023 ŧ а **Treatment** Stand BA **Treatment Treatment Cover Type** Acres Stand Size Age Habitat n Method Name CoverType Density Age Range Type Objective Structure Cut d 171 61014171-Cut 19.8 4130 - Aspen Poletimber Unspec Harvest Clearcut with 4130 - Aspen Even-Aged Nο Medium ified Retention Prescription Clearcut all stems greater than 2" dbh. Leave mixed-species retention islands totaling about 3% of the treatment area. Also retain all Specs: conifers and elm. Cut and leave 1-2 trees >10" dbh for CWD. Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, mixed hardwoods Regen: Other Consider dormant season harvest to promote thick, fast regeneration to overcome honeysuckle. Comment: Site Condition Proposed Start Date: 10/1 /2022 172 61014172-Cut 129 4130 - Aspen Poletimber 46 Harvest Clearcut with 4139 - Aspen, Nο Even-Aged Well Retention Mixed Deciduous <u>Prescription</u> Clearcut all stems greater than 2" dbh. Leave a retention island on the east side of the stand with mostly hardwoods. Also retain all conifers and some scattered individual mature hardwoods. Cut and leave 1-2 trees >10" dbh for CWD. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable aspen, mixed hardwoods Regen: A possible retention area has been excluded from the draft treatment area along the east edge of the stand. Other Comment: Site Condition Proposed Start Date: 10/1 /2022 12.5 790 - Other Artificial 42110 - Planted Even-Aged No 203 61014203-Nonstocked Unspec Monitoring Bare/Sparsely Red Pine Monitor ified Regen(1yr) Vegetated Prescription monitor RP planting Specs: Next Step Pesticide, Skidder - Site Prep; ; ; Monitoring, Artificial Regen(3yr) **Treatments:** Acceptable red pine, occasional JP and cherry Regen: Use appropriate methods to protect the snowmobile trail surface and its use during project implementation. Other Comment: Site Condition Proposed Start Date: 10/1 /2021 206 61014206-10.2 310 - Herbaceous Nonstocked Unspec Monitoring Artificial 4211 - Planted Even-Aged No

Openland ified Regen(1yr) Red Pine Monitor

Prescription monitor regen

Specs:

Pesticide, Skidder - Release; Pesticide, Skidder - Site Prep; ; Monitoring, Artificial Regen(3yr) Next Step

Treatments:

Acceptable red pine, occasional cherry & WP

Regen:

Percent to Treat = 100% **Other**

Comment:

Site Condition

Traverse City Mgt. Unit Report 3 -- Treatments Compartment: 14 Year of Entry: 2023 Cover Type Objective Age Structure **Treatment** Acres Stand Size Stand BA Treatment **Treatment** Habitat Name CoverType Density Age Range Type Method Cut

Total Treatment 777.8 Acreage Proposed:

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Compartment: 14

Traverse City Mgt. Unit

Tim Webb : Examiner Year of Entry: 2023

Availa	ability for	Managemer	nt													
Total	Acres	Acres Avail	Acres	ı	Domina	nt Site	e Cond	dition	s							
Acres	Available	With Condition	Not Available		2B	5B	5C	1C	2F	2G	2H	3B	3D	3G	3J	5E
891	803	34	55	Aspen	7	27		0	28	2	2		5		10	8
16	16	0	0	Bare/Sparsely Vegetated												
46	0	0	46	Cedar						46						
4	0	0	4	Hemlock						0					4	
98	97	0	1	Herbaceous Openland	0				0	1					0	
83	80	0	3	Jack Pine										3		
169	169	0	0	Low-Density Trees				0	0					0		
32	0	0	32	Lowland Conifers						32						
91	6	0	84	Lowland Deciduous						76			0		8	
41	0	0	41	Lowland Mixed Forest						9					32	
13	0	0	13	Lowland Shrub						13						
2	0	0	2	Marsh						2						
6	6	0	0	Mixed Upland Deciduous											0	
6	6	0	0	Natural Mixed Pines												
1597	1404	10	183	Northern Hardwood	4	0	7	63	36	72		1		2	9	1
2	2	0	0	Oak												
18	18	0	0	Planted Mixed Pines												
67	66	0	1	Red Pine				1		0						
57	50	0	7	Upland Mixed Forest						7						
8	0	8	0	Upland Spruce/Fir			8			0						
16	16	0	0	Urban		0				0			0			
4	4	0	0	Water						0					0	
27	24	0	3	White Pine						0						3
3,293	2,766	52	475	Total Forested Acres	10	27	15	64	64	260	2	1	5	5	62	12
	84%	2%	14%	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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments:	400000 100400)					

Traverse City Mgt. Unit

Compartment: 14 Year of Entry: 2023 Tim Webb: Examiner

2	Available	2B: Unknown if access through adjacent landowner(s) is possible	3	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
	Comments: Accessing from the	Covey Rd frontage is impraction	cal. Le	t aspen die off, releasing hard	wood understory.		
}	Unavailable	5E: Long-Term Retention	1	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	228	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
		erly listed as a potential old groe along Goose Road.	wth are	ea. Most of this block of state	forest land is lowland/ri	parian area in the Platte Ri	ver valley. Public acce
		9					
5	Unavailable	1C: Other dept or div proc/practices	23	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
5	Comments:	1C: Other dept or div		through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
5	Comments:	1C: Other dept or div proc/practices		through adjacent landowner(s) is possible	Unspecified Unspecified	Unspecified Unspecified	Unspecified

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Tim Webb: Examiner

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7	Unavailable	2F: Too steep	28	3J: Water quality / BMPs (stream, river, or lake)	3B: Threatened, endangered, and special concern species	Unspecified	Unspecified			
	Comments: Steep bluffs along Platte River, across from the Platte Hatchery.									
8	Unavailable	1C: Other dept or div proc/practices	40	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified			
	Comments: Stand could be thinned, but this parcel is landlocked; access would have to be across private land.									
9	Unavailable	2F: Too steep	7	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified			
	Comments: Accessing from the Covey Rd frontage is impractical. Possible access from neighboring private land, but stand is generally too steep to harvest practically.									
10	Unavailable	3G: Other Influence zones - See comments	2	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: Small sliver of stand	d 11 between county road and	private	land; best left uncut for aes	thetics.					
11	Available	2B: Unknown if access through adjacent landowner(s) is possible	3	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments: Fairly steep hillside continues onto adjacent private land, therefore inoperable unless adjacent landowner would also harvest timber simultaneously, which is not likely.									
12	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments:									

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Tim Webb: Examiner

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13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	9	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified	
	Comments: Spring/stream within stand.							
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
16	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
18	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: riparian area							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							

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Year of Entry: 2023

-		t of a larger JP plantation harves	sted ir	n 2006. This residual strip was	purposely left to thwart	illegal ORV use in the adja	acent abandoned grav	
pit. 21 Unavailable 55: Long Term Potentian 1 Unapposition Unapposition Unapposition Unapposition Unapposition								
21	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
23	Unavailable	3D: Recreational / Scenic values	5	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments: Veterans Memoria	l State Forest Campground						
24	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	5	3D: Recreational / Scenic values	Unspecified	Unspecified	Unspecified	
	Comments: Used for Platte Riv	/er access.						
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified	
(Comments: Platte River riparia	2.7000						

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Unspecified Unspecified Unspecified 26 Unavailable 3J: Water quality / BMPs 4 3H: Deer Wintering (stream, river, or lake) Area - habitat is incompatible with harvest at this time Comments: Platte River riparian zone 2F: Too steep Unspecified Unspecified Unspecified 27 Unavailable 10 2B: Unknown if access through adjacent landowner(s) is possible Comments: Unspecified Unspecified Unspecified Unspecified 28 Unavailable 2G: Too wet (sensitive 6 soils, does not include access issues) Comments: 29 3J: Water quality / BMPs 8 3D: Recreational / 2G: Too wet (sensitive Unspecified Unspecified Unavailable (stream, river, or lake) Scenic values soils, does not include access issues) Comments: Platte River riparian zone; adjacent to state forest campground Unspecified Unspecified Unspecified 30 Unavailable 3J: Water quality / BMPs 23 2G: Too wet (sensitive (stream, river, or lake) soils, does not include access issues) Comments: Platte River riparian zone

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Tim Webb: Examiner

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Tim	Webb : Examiner				Year of Entry: 202	23
Available	2B: Unknown if access through adjacent landowner(s) is possible	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: stream runs throug	h the stand; Platte River riparia	n zone	,			
Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Platte River ripariar	n zone					
Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments: Sidehill with high w	ater table; springs & streams. Ir	nacces	ssible.			
Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2	2B: Unknown if access through adjacent landowner(s) is possible	5B: Maintain for regeneration purposes	Unspecified	Unspecified
Comments: Separated from oth hardwoods.	er state land by a flowage. Acc	ess fo	or logging would have to be a	across private land to the we	st. Stand is only 2 acres	, so just let it succeed to
	Available Comments: Stream runs throug Unavailable Comments: Platte River ripariar Unavailable Comments: Sidehill with high was unavailable Comments: Separated from other	through adjacent landowner(s) is possible Comments: Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Stream runs through the stand; Platte River riparian Unavailable 3J: Water quality / BMPs (stream, river, or lake) Comments: Platte River riparian zone Unavailable 3J: Water quality / BMPs (stream, river, or lake) Comments: Sidehill with high water table; springs & streams. In Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Separated from other state land by a flowage. Accessing the possible of th	Available 2B: Unknown if access 4 through adjacent landowner(s) is possible Comments: Unavailable 2G: Too wet (sensitive 7 soils, does not include access issues) Comments: Stream runs through the stand; Platte River riparian zone Unavailable 3J: Water quality / BMPs 9 (stream, river, or lake) Comments: Platte River riparian zone Unavailable 3J: Water quality / BMPs 9 (stream, river, or lake) Comments: Sidehill with high water table; springs & streams. Inaccess Unavailable 2H: Blocked by physical 2 obstacle (e.g. upland stand in a lowland area) Comments: Separated from other state land by a flowage. Access for some state land by a flowage.	Available 2B: Unknown if access through adjacent landowner(s) is possible Comments: Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs 9 2B: Unknown if access through adjacent landowner(s) is possible Comments: Sidehill with high water table; springs & streams. Inaccessible. Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Comments: Separated from other state land by a flowage. Access for logging would have to be a	Available 2B: Unknown if access through adjacent landowner(s) is possible Comments: Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, river, or lake) Sidehill with high water table; springs & streams. Inaccessible. Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) 2 2B: Unknown if access through adjacent landowner(s) is possible Toomments: Separated from other state land by a flowage. Access for logging would have to be across private land to the western and the	Available 2B: Unknown if access through adjacent landowner(s) is possible Comments: Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 3J: Water quality / BMPs (stream, river, or lake) Unavailable 3J: Water quality / BMPs (stream, r

Traverse City Mgt. Unit

Traverse City Mgt. Unit

Compartment: 14 Year of Entry: 2023 Tim Webb: Examiner

36	Unavailable	3B: Threatened, endangered, and special concern species	1	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified	
(Comments:							
37	Unavailable	2F: Too steep	19	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
38	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
40	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
(Comments:							
41	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified	
	Comments:							

Compartment: 014
Year of Entry: 2023



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	Spring Wetlands Riparian Area	Riparian Area	Error	5
Comments	Spring Wetlands Riparian Area	Riparian Area	Error	13
Comments	Spring Wetlands Riparian Area	Riparian Area	Error	17
Comments already reviewed at YOE 201	Spring Wetlands Riparian Area 3 compartment review	Spring Seep	SCA	228
Unspecified Comments	Spring Wetlands Riparian Area	Spring Seep	SCA	33

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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 condi- stocked trout populations and those of other coldwater fish spe- conditions for coldwater fishes may occur in Michigan lakes if t groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheric	ecies to persist from year to year. Suitable hey are relatively deep, have substantial of the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen corstocked trout populations and those of other coldwater fish speyear to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such stream designated as trout resources by Fisheries Order 210.	ecies (e.g., slimy sculpin) to persist from hese conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effectives, habitat, bank stability, timber production, and the	the unique conditions adjacent to lakes, a diversity of plants and wildlife. Riparian fects on water quality and quantity, as well



Stand	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
1	6120 - Lo	wland Ced	ar Po	oletimb	er Poor	2.5	109	1-50	N/A		Stand is in the Platte River floodplain. Some highbush cranberry and rec
С	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	osier dogwood along the river bank.
	Red Maple	5	Pole	7		Northern	White Cedar	Low	Variable	Sapling	
,	Yellow Birch	15	Pole	7		ВІ	ack Ash	High	10 - 20 feet	Sapling	
Q	uaking Aspen	5	Pole	8		Ta	ag Alder	Medium	Variable	Tall Shrub	
	Balsam Fir	10	Pole/Sapling	6				,			•
North	nern White Cedar	55	Pole/Sap/Log	6	109						
	Hemlock	10	Pole	7							
2	42350 - Up	land Hemle	ock Sa	awtimb	er Well	3.9	115	171-200	N/A		Stand is in the Platte River floodplain. Cedar is concentrated along the
С	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	river. Scattered yellow and paper birch present. Hemlock is of exceller quality.
	Red Maple	20	XLog/Log	20		Н	emlock	Low	Variable	Sapling	quanty.
Q	uaking Aspen	10	Log/XLog	17		Н	emlock	Low	>20 feet	Pole	
North	nern White Cedar	7	Pole	7					I		
	White Pine	3	XLog	30							
	Hemlock	60	Log/Pole/XLog	12	115						
3	4139 - Aspen,	Mixed Dec	iduous Sa	awtimb	er Well	3.4	67		N/A		Stand has some aspen blowdown, is succeeding to sugar maple.
С	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	10	Log	16			gar Maple	High	Variable	Sapling	
Q	uaking Aspen	10	Log/Pole	12	1				I		
Bi	igtooth Aspen	40	Log/Pole	13	67						
E	Black Cherry	10	Pole/Log	9							
9	Sugar Maple	30	Pole/Sapling	5							
4	4110 - Sugar N	laple Asso	ociation Sa	awtimb	er Well	7.3	97	111-140	N/A		Good quality sugar maple.
С	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
(Sugar Maple	85	Log/Pole	11	97	Ire	onwood	Low	Variable	Sapling	
	Basswood	10	Log/XLog	15		Sug	gar Maple	Low	< 5 feet	Seeding	
E	Black Cherry	5	Log	14		Sug	gar Maple	Low	>20 feet	Sapling	
5	4110 - Sugar N	/laple Asso	ociation Pole	etimbe	r Mediun	n 4.9	42	51-80	N/A		Hardwoods encroaching into an old field, mainly open-grown cherry wit
С	anopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	maple regeneration under the cherry. There is a patch of mature sugar maple by the road access point in the southeast corner, and scattered
5	Sugar Maple	40	Pole/Log/Sap	8		Sug	gar Maple	High	Variable	Sapling	Scotch pine, white pine, and elm pole trees.
E	Black Cherry	58	Pole	8	42	Stagh	orn Sumac	Trace	5 - 10 feet	Tall Shrub	
	White Pine	2	Pole	8		WI	nite Pine	Low	Variable	Sapling	
		'				Blackbe	rry/Raspberry	Low	< 5 feet	Tall Shrub	
						Autı	ımn Olive	Trace	5 - 10 feet	Tall Shrub	
						Honey	suckle (spp.)	Trace	< 5 feet	Tall Shrub	
						Sco	otch Pine	Trace	Variable	Sapling	

Traverse City Mgt. Unit Report 7 - Stands



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
6	4112 - Maple, Beed	ch, Cherry A	Association			10.8	101	81-110	N/A		Mixed quality, density stand: generally poor, open grown trees, but a little better on hill in NE part of stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	better of thin in the part of stand.
	Sugar Maple	45	Log/Pole	10	101	Sug	ar Maple	Low	Variable	Sapling	
	Red Maple	20	Log/Pole	12		E	Beech	Medium	Variable	Sapling	
	Beech	20	Log/Pole	12		Irc	nwood	Medium	Variable	Sapling	
	Bigtooth Aspen	5	Pole/Log	9							
	Black Cherry	10	Log/Pole	10							
7	4110 - Sugar N	Maple Asso	ciation S	awtimber	Medium	32.9	45	1-50	N/A		2-aged stand, with reasonably well- stocked hardwood saplings under
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	scattered, older open-grown cherry and maple, plus open patches.
	Sugar Maple	55	Pole/Sap/Lo	og 8	45	Sug	ar Maple	Medium	Variable	Sapling	
	Red Maple	5	Log	14		Wh	ite Pine	Low	Variable	Sapling	
	Quaking Aspen	4	Pole	8		Blac	k Cherry	Low	Variable	Sapling	
	Black Cherry	35	Log/Pole	13	96	Irc	nwood	Low	Variable	Sapling	
	White Pine	1	Pole/Log	8		Е	Beech	Low	Variable	Sapling	
8		d/Parking L		Nonsto		2.8	lı	mmature	No		Oakley Road
9	3301 - Low Dens	ity Deciduo	us Trees	Nonsto	скеа	2.2 Sub-Car	nopy Species	Density	No Avg. Height	Size	
							k Cherry	Low	Avg. Height	Pole	
							ar Maple	Low		Pole	
							oth Aspen	Trace		Pole	
							k Cherry	Low		Log	
							ar Maple	Low		Sapling	
10	42110 - Pla			Poletimb		26.1	39	171-200	N/A		2011 SI trees: 7.0" 35', 8.1" 37'. 2021 BAs: 160, 180, 220, 140, 180; mean 176.
	Canopy Species		Size Class		Age						
	Red Pine	97	Pole	8	39						
	Black Cherry	3	Pole	9							
11	4110 - Sugar N	Maple Asso	ciation	Sawtimb		58.0	101	111-140	N/A		Good quality timber. Patchy distribution of sugar maple saplings. There is a flush of ironwood resulting from the last thinning. Small amount of
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	yellow birch. Beech is in decline. 2021 BAs: 120, 150, 140, 100, 100,
	Sugar Maple	60	Log/Pole	11	101	Sug	ar Maple	Low	Variable	Sapling	140, 130; mean 126.
	Red Maple	10	Log	14		Е	Beech	Medium	Variable	Sapling	
	Basswood	5	Log	14		He	emlock	Low	Variable	Pole	
	Beech	5	XLog/Log	18		Irc	nwood	High	Variable	Sapling	
	Black Cherry	20	Log/Pole	13							



Stand	Level 4 C	over Type		Size D	ensity	Acres	Stand Age E	BA Range	Managed \$	Site	General Comments
12	4112 - Maple, Beed					118.3	101	141-170	N/A		Patches of nice hemlock regeneration in the south end of the stand, plus a few older canopy hemlock. Generally good quality timber. RSH
	Canopy Species	% Cover	Size Class		H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	present in SE part of stand.
	Sugar Maple	44	Log/Pole		101		gar Maple	Low	>20 feet	Sapling	
	Red Maple	32	Log/Pole				Beech	High	Variable	Sapling	
	Basswood	2	Log	15		Н	emlock	Low	Variable	Sapling	
	Beech	10	Log	16		Ire	onwood	Medium	Variable	Sapling	
	Bigtooth Aspen	2	Log	12							
	Black Cherry	10	Log	15							
13	310 - Herbac	eous Open	nland	Nonst	ocked	5.0		Immature	No		Stand is parallel to rights-of-way for Fewins Road & an overhead power
						Sub-Ca	nopy Species	Density	Avg. Height	Size	line.
						R	ed Pine	Trace	Variable	Seeding	
						Sug	gar Maple	Low	>20 feet	Pole	
						Com	mon Lilac	Trace	10 - 20 feet	Tall Shrub	
						Decidu	ous Saplings	Low	Variable	Sapling	
						Apı	ole (spp.)	Trace	10 - 20 feet	Tall Shrub	
						Bigto	oth Aspen	Trace	>20 feet	Pole	
						Sug	gar Maple	Low	>20 feet	Log	
						Ва	sswood	Trace	>20 feet	Log	
14	4110 - Sugar N	Maple Asso	ciation	Sawtim	er Well	107.6	100	111-140	N/A		Stand is hilly with a steep, mostly inoperable bluff paralleling Valley
	Canopy Species	% Cover	Size Class	s DB	H Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Road. There are several patches of advanced hardwood regeneration. Density and quality are somewhat variable. Stand includes some small,
	Sugar Maple	75	Log/Pole	10	100	Sug	gar Maple	Low	Variable	Sapling	scattered patches of aspen. 2021 BAs: 100, 140, 120, 140, 130, 180,
	Basswood	15	Log/Pole	13			Beech	High	Variable	Sapling	110, 70, 110, 90; mean 119.
	Beech	3	Log/Pole	12		Н	emlock	Low	Variable	Sapling	
	Bigtooth Aspen	1	Log	14		Ire	onwood	Full	Variable	Sapling	
	Black Cherry	5	Log/Pole	10	T .				1		
	Ironwood	1	Pole	6							
15	3301 - Low Dens	ity Deciduo	us Trees	Nonst	ocked	2.8			No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Honey	suckle (spp.)	Low	5 - 10 feet	Tall Shrub	
						Bla	ck Cherry	Medium	>20 feet	Log	
						Bla	ck Cherry	Low	>20 feet	Pole	
						Sug	gar Maple	Medium	Variable	Sapling	
16	6118 - Lowland D	eciduous w	vith Cedar	Poletim	er Poor	6.2	65		N/A		Note: stand was not visited in 2021. Stand was dominated by black ash per the 2011 inventory, with q. aspen and cedar, plus small amounts of red maple, white pine, paper birch, and black ash saplings in the understory. Mature ash is presumed dead.

Compartment: 14 Year of Entry: 2023



Stand	d Level 4 C	Level 4 Cover Type Size Density 119 - Mixed Lowland Deciduous Forest Poletimber Poor		Acres Stand	d Age BA Range	Managed S	oite	General Comments					
17	6119 - Mixed Lowla			11.2 56	6	N/A		Note: stand was not visited in 2021. Dominated by black ash in 2011 inventory, with some basswood, red maple, yellow birch, cedar and hemlock. Ash now presumed dead.					
18	4139 - Aspen,	4139 - Aspen, Mixed Deciduous Sawtimber Well appropriate Sample Sawtimber Well appropriate Sample Sawtimber Well		5.0 93	3 81-110	N/A Avg. Height Size		The stand is low, seasonally wet along Valley Road, brushy, with numerous blowdowns. Stand is succeeding to hardwoods.					
	Canopy Species			Sub-Canopy S	Species Density	Avg. Height	Size	numerous blowdowns. Stand is succeeding to hardwoods.					
	Sugar Maple	25	Pole/Log	9		Ironwood	d High	Variable	Sapling				
	Red Maple	10	Log/Pole	12		Honeysuckle	(spp.) Low	< 5 feet	Tall Shrub				
	Basswood	2	Log	12		Sugar Map	ple Medium	Variable	Sapling				
	Quaking Aspen	13	Log/Pole	12		Sugar Map	ple Medium	>20 feet	Pole				
	Bigtooth Aspen	40	Log	14	93	Hemlock	k Low	>20 feet	Pole				
	Black Cherry	10	Log/Pole	10									
19	122 - Road	d/Parking L	ot	Nonsto	ocked	3.4		No		Valley Road			
		122 - Road/Parking Lot Nonstocked 112 - Maple, Beech, Cherry Association Sawtimber Mediur anopy Species % Cover Size Class DBH Age							Note: stand was not visited in 2021; data is unchanged from 2011				
20							N/A						
20	Canopy Species	% Cover	Size Class	DBF	l Age	Sub-Canopy S	Species Density	Avg. Height	Size	Note: stand was not visited in 2021; data is unchanged from 2011 inventory but changed to an "edge" call.			
20	Canopy Species Sugar Maple	% Cover 55	Size Class Pole/Log/Sap	DB F		Sub-Canopy S Sugar Map	Species Density ple Medium	Avg. Height Variable	Sapling				
20	Canopy Species Sugar Maple Red Maple	% Cover 55 10	Size Class Pole/Log/Sap Log/Pole	9 12	l Age	Sub-Canopy S Sugar Map Hemlock	Species Density ple Medium k Low	Avg. Height Variable >20 feet	Sapling Pole				
20	Canopy Species Sugar Maple Red Maple Beech	% Cover 55 10 2	Size Class Pole/Log/Sap Log/Pole Log	9 12 18	l Age	Sub-Canopy S Sugar Map	Species Density ple Medium k Low	Avg. Height Variable	Sapling				
20	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen	% Cover 55 10 2 3	Size Class Pole/Log/Sap Log/Pole Log Log	9 12 18 16	l Age	Sub-Canopy S Sugar Map Hemlock	Species Density ple Medium k Low	Avg. Height Variable >20 feet	Sapling Pole				
20	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock	% Cover 55 10 2 3 15	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole	9 12 18 16 14	l Age	Sub-Canopy S Sugar Map Hemlock	Species Density ple Medium k Low	Avg. Height Variable >20 feet	Sapling Pole				
20	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen	% Cover 55 10 2 3	Size Class Pole/Log/Sap Log/Pole Log Log	9 12 18 16	l Age	Sub-Canopy S Sugar Map Hemlock	Species Density ple Medium k Low	Avg. Height Variable >20 feet	Sapling Pole				
21	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock	% Cover 55 10 2 3 15 15	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole Log/Pole	DBH 9 12 18 16 14 14	l Age	Sub-Canopy S Sugar Map Hemlock	Species Density ple Medium k Low d Medium	Avg. Height Variable >20 feet	Sapling Pole				
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry	% Cover 55 10 2 3 15 15 Mixed Deci	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole Log/Pole	9 12 18 16 14 14 awtimb	95 95	Sub-Canopy S Sugar Map Hemlock Ironwood	Species Density ple Medium k Low d Medium	Avg. Height Variable >20 feet Variable	Sapling Pole	inventory but changed to an "edge" call.			
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen,	% Cover 55 10 2 3 15 15 Mixed Deci	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous S	9 12 18 16 14 14 awtimb	95 95 eer Well	Sub-Canopy S Sugar Map Hemlock Ironwood	Species Density ple Medium k Low d Medium 6 111-140 Species Density	Avg. Height Variable >20 feet Variable N/A	Sapling Pole Sapling	inventory but changed to an "edge" call.			
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species	% Cover 55 10 2 3 15 15 Mixed Deci % Cover	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous Size Class	9 12 18 16 14 14 awtimb	95 95 eer Well	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S	Species Density ple Medium k Low d Medium 6 111-140 Species Density	Avg. Height Variable >20 feet Variable N/A Avg. Height	Sapling Pole Sapling	inventory but changed to an "edge" call.			
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species Sugar Maple	% Cover 55 10 2 3 15 15 Mixed Deci % Cover 15	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous Size Class Pole/Log	9 12 18 16 14 14 awtimb DBH	95 95 eer Well	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S Sugar Map	Species Density ple Medium k Low d Medium 6 111-140 Species Density ple Low Low	Avg. Height Variable >20 feet Variable N/A Avg. Height Variable	Sapling Pole Sapling Size Sapling	inventory but changed to an "edge" call.			
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species Sugar Maple Red Maple	% Cover 55 10 2 3 15 15 15 Mixed Deci 15 33	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole Size Class Pole/Log Log	DBH 9 12 18 16 14 14 awtimb DBH 9 14	95 95 eer Well	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S Sugar Map Beech	Species Density ple Medium k Low d Medium 6 111-140 Species Density Low Low d Low	Avg. Height Variable >20 feet Variable N/A Avg. Height Variable Variable	Sapling Pole Sapling Size Sapling Sapling	inventory but changed to an "edge" call.			
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species Sugar Maple Red Maple Bigtooth Aspen	% Cover 55 10 2 3 15 15 15 Mixed Deci 15 33 50 2	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous Size Class Pole/Log Log Log Log	DBI- 9 12 18 16 14 14 14 awtimb DBI- 9 14 15 14	95 95 eer Well	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S Sugar Map Beech Ironwood	Species Density ple Medium k Low d Medium 6 111-140 Species Density ple Low Low d Low k Low	Avg. Height Variable >20 feet Variable N/A Avg. Height Variable Variable Variable Variable	Sapling Pole Sapling Size Sapling Sapling Sapling	A flowage separates this stand from the adjacent aspen stand. This stand was formerly a jack pine plantation. The jack pine is mostly			
21	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species Sugar Maple Red Maple Bigtooth Aspen Yellow Birch	% Cover 55 10 2 3 15 15 Mixed Deci 15 33 50 2 ch, Cherry A	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous Size Class Pole/Log Log Log Log	DBH 9 12 18 16 14 14 2	95 95 eer Well 1 Age 56	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S Sugar Map Beech Ironwood Hemlock	Species Density ple Medium k Low d Medium 6 111-140 Species Density ple Low Low d Low k Low 5 1-50	Avg. Height Variable >20 feet Variable N/A Avg. Height Variable Variable Variable >20 feet	Sapling Pole Sapling Size Sapling Sapling Sapling Pole Size	inventory but changed to an "edge" call. A flowage separates this stand from the adjacent aspen stand.			
21	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species Sugar Maple Red Maple Bigtooth Aspen Yellow Birch 4112 - Maple, Beech Canopy Species Red Maple	% Cover 55 10 2 3 15 15 Mixed Deci 15 33 50 2 ch, Cherry A	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous S Size Class Pole/Log Log Log Log Size Class Pole/Log Log Log Log Log Log Log Log Log Log	DBH 9 12 18 16 14 14 2	er Well See Poor	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S Sugar Map Beech Ironwood Hemlock 3.1 46	Species Density ple Medium k Low d Medium 6 111-140 Species Density ple Low Low d Low k Low 5 1-50 Species Density	Avg. Height Variable >20 feet Variable N/A Avg. Height Variable Variable Variable >20 feet N/A Avg. Height Variable >20 feet	Sapling Pole Sapling Size Sapling Sapling Sapling Pole Size Sapling	A flowage separates this stand from the adjacent aspen stand. This stand was formerly a jack pine plantation. The jack pine is mostly			
21	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Hemlock Black Cherry 4139 - Aspen, Canopy Species Sugar Maple Red Maple Bigtooth Aspen Yellow Birch 4112 - Maple, Beech Canopy Species	% Cover	Size Class Pole/Log/Sap Log/Pole Log Log Log/Pole Log/Pole duous Size Class Pole/Log Log Log Log Size Class Pole/Log Size Class Size Class	DBH 9 12 18 16 14 14 DBH 9 14 15 14 DBH DBH DBH	er Well Solution Solution	Sub-Canopy S Sugar Map Hemlock Ironwood 2.1 56 Sub-Canopy S Sugar Map Beech Ironwood Hemlock 3.1 45 Sub-Canopy S	Species Density ple Medium k Low d Medium 6 111-140 Species Density ple Low Low d Low k Low 5 1-50 Species Density	Avg. Height Variable >20 feet Variable N/A Avg. Height Variable Variable Variable Variable >20 feet N/A Avg. Height	Sapling Pole Sapling Size Sapling Sapling Sapling Pole Size	A flowage separates this stand from the adjacent aspen stand. This stand was formerly a jack pine plantation. The jack pine is mostly			



Stand	d Level 4 C	over Type	S	ize Den	sity	Acres Stand Age B	A Range	Managed 9	Site	General Comments
23	4130	- Aspen	Saw	timber N	Medium	27.1 92	81-110	N/A		Collison Creek runs through the stand. Aspen is mostly overmature, but
	Canopy Species	% Cover	Size Class	DBH A	Age	Sub-Canopy Species	Density	Avg. Height	Size	there appears to be some variation in age. There is a lot of phellinus, and aspen is dying out. Low areas along the creek have saturated soil.
	Sugar Maple	2	Log	12		Red Maple	Medium	>20 feet	Pole	Scattered yellow birch, basswood, black ash.
	Red Maple	25	Pole/Log	8		Red Maple	Medium	Variable	Sapling	
	Quaking Aspen	20	Log/Pole	13		Beech	Low	Variable	Sapling	
	Bigtooth Aspen	50	Log/XLog	16	92	Northern White Cedar	Low	>20 feet	Pole	
	Black Cherry	1	Log	12		Hemlock	Medium	>20 feet	Pole	
	Hemlock	2	Log/XLog	16		Hemlock	Medium	Variable	Sapling	
						Ironwood	Medium	Variable	Sapling	
						Sugar Maple	Low	Variable	Sapling	
24	6220 - A	lder/willow	1	Nonstoc	ked	13.0		No		Note: stand was not visited in 2021; data is unchanged from 2011
						Sub-Canopy Species	Density	Avg. Height	Size	inventory.
						Red Osier Dogwood	Low		Tall Shrub	
						Tag Alder	Low		Tall Shrub	
						Yellow Birch	Trace		Sapling	
						Cattail spp.	Low		Non-Wood	
						Northern White Cedar	Medium		Sapling	
									- 1 3	
						Willow spp.	Medium		Tall Shrub	
						Willow spp.	Medium		Tall Shrub	
 25	4112 - Maple, Beec	ch, Cherry /	Association Pole	etimber N	Medium	Willow spp. Hemlock Paper Birch	Medium Trace	N/A	Tall Shrub Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	4112 - Maple, Beec		Association Pole	etimber N		Willow spp. Hemlock Paper Birch	Medium Trace Trace	N/A Avg. Height	Tall Shrub Sapling	
25				DBH A		Willow spp. Hemlock Paper Birch	Medium Trace Trace 51-80		Tall Shrub Sapling Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species	% Cover	Size Class	DBH A	Age	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species	Medium Trace Trace Trace 51-80 Density	Avg. Height	Tall Shrub Sapling Sapling Size	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species Sugar Maple	% Cover	Size Class Pole/Sap/Log	DBH 8	Age	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood	Medium Trace Trace 51-80 Density High	Avg. Height Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species Sugar Maple Red Maple	% Cover 60 15	Size Class Pole/Sap/Log Pole/Sap/Log	8 8	Age	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood	Medium Trace Trace 51-80 Density High	Avg. Height Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species Sugar Maple Red Maple Basswood	% Cover 60 15	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log	8 8 8 18 8	Age	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood	Medium Trace Trace 51-80 Density High	Avg. Height Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen	% Cover 60 15 1 2	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole	8 8 8 18 8	Age 95	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood	Medium Trace Trace 51-80 Density High	Avg. Height Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine	% Cover 60 15 1 2	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole	8 8 18 8 8 8	Age 95	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood	Medium Trace Trace 51-80 Density High	Avg. Height Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
25	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple	Medium Trace Trace 51-80 Density High	Avg. Height Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is
	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry Ironwood	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8 10 5	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple	Medium Trace Trace 51-80 Density High Medium	Avg. Height Variable Variable	Tall Shrub Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out.
	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry Ironwood	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8 10 5	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple 2.2	Medium Trace Trace 51-80 Density High Medium	Avg. Height Variable Variable No	Tall Shrub Sapling Sapling Size Sapling Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out.
	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry Ironwood	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8 10 5	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple 2.2 In Sub-Canopy Species	Medium Trace Trace 51-80 Density High Medium mmature Density	Avg. Height Variable Variable No Avg. Height	Tall Shrub Sapling Sapling Size Sapling Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out. steep hillside
	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry Ironwood	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8 10 5	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple 2.2 In Sub-Canopy Species Red Maple	Medium Trace Trace 51-80 Density High Medium mmature Density Low	Avg. Height Variable Variable No Avg. Height >20 feet	Sapling Sapling Size Sapling Sapling Size Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out. steep hillside
	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry Ironwood	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8 10 5	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple 2.2 In Sub-Canopy Species Red Maple Witch Hazel	Medium Trace Trace 51-80 Density High Medium mmature Density Low Trace	Avg. Height Variable Variable No Avg. Height >20 feet 10 - 20 feet	Size Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out. steep hillside
	Canopy Species Sugar Maple Red Maple Basswood Quaking Aspen Jack Pine Black Cherry Ironwood	% Cover 60 15 1 2 2 10 10	Size Class Pole/Sap/Log Pole/Sap/Log XLog/Log Pole Pole Log/Pole Pole/Sapling	BH 8 8 8 18 8 8 8 10 5	Age 95 70	Willow spp. Hemlock Paper Birch 12.8 95 Sub-Canopy Species Ironwood Sugar Maple 2.2 In Sub-Canopy Species Red Maple Witch Hazel Scotch Pine	Medium Trace Trace 51-80 Density High Medium mmature Density Low Trace Trace	No Avg. Height Variable No Avg. Height >20 feet 10 - 20 feet >20 feet	Size Sapling Sapling Size Sapling Sapling Sapling Sapling Sapling	Steep hills, inoperable. Remnant of planted JP at the top of the slope is dying out. steep hillside



tand	Level 4 Co	over Type	Si			Acres	Stand Age I				General Comments
27	4130	- Aspen	Ро	letimb	er Well	9.0	27	Immature	N/A		There are a few mature hardwoods along the road.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Quaking Aspen	50	Pole/Sapling	5	27	Suga	ar Maple	High	Variable	Sapling	
	Bigtooth Aspen	40	Pole/Sapling	6	27	Black	k Cherry	Low	Variable	Sapling	
	Black Cherry	5	Sapling/Pole	4		Iro	nwood	Medium	Variable	Sapling	
	Sugar Maple	5	Sapling/Pole	4							-
28	6120 - Lov	wland Ceda	ar Pole	timbe	r Medium	n 43.6	116		N/A		Riparian, along Platte River. Some areas are fairly open with a
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	significant amount of dead or poor condition cedar. Deer winter cover. Note: stand was not visited in 2021; data is unchanged from 2011
	Red Maple	6	Pole/Log	9		Northern	White Cedar	Low	Variable	Sapling	inventory but changed to an "edge" call, and the mature black ash
	Yellow Birch	8	Pole	8		Northern	White Cedar	Medium	>20 feet	Pole	component was deleted.
	Paper Birch	2	Pole	6		He	emlock	Low	Variable	Sapling	
	Quaking Aspen	4	Pole/Log	9		Bla	ck Ash	Low	Variable	Sapling	
No	rthern White Cedar	55	Pole/Log	8	116	Та	g Alder	Medium	10 - 20 feet	Tall Shrub	
	Hemlock	25	Log/Pole	12				-	ı		1
29	6128 - Lowland (Deci	Coniferous, iduous	, Mixed Po	letimb	er Poor	7.8	91		N/A		Note: stand was not visited in 2021. Dominated by black ash in 2011 inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash sanlings were in the
29			, Mixed Po	letimb	er Poor	7.8	91		N/A		inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the
	Deci			letimb		7.8	91		N/A		inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age
30	3102 4110 - Sugar M	- Grass	ciation Pole	Nonsto	ocked r Medium	1.4 n 7.1	40	1-50	No N/A		inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP
30	3102	- Grass	1	Nonsto	ocked r Medium	1.4 n 7.1			No	Size	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age if from cedar.
30	3102 4110 - Sugar M	- Grass	ciation Pole	Nonsto	ocked r Medium	1.4 n 7.1 Sub-Can	40		No N/A	Size Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood
30	3102 4110 - Sugar M Canopy Species	- Grass Taple Assoc	ciation Pole Size Class	Nonsto timbe	ocked r Medium	1.4 n 7.1 Sub-Can	40 nopy Species	Density	No N/A Avg. Height		inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age i from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood
30	3102 4110 - Sugar M Canopy Species Jack Pine	- Grass Apple Assoc Cover	ciation Pole Size Class Pole	Nonsto	ocked r Medium	1.4 1.7.1 Sub-Can Iron Suga	40 nopy Species	Density Low	No N/A Avg. Height Variable	Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age from cedar. Stand occupies a kettle depression with difficult access. Formerly a JF plantation; most of the pine has died, releasing the natural hardwood
30	3102 4110 - Sugar M Canopy Species Jack Pine Black Cherry	- Grass Maple Assoc **Cover* 8	ciation Pole Size Class Pole Log/Pole/XLog Pole/Sapling	Nonsto	r Medium I Age 70 40	1.4 1.7.1 Sub-Can Iron Suga	40 nopy Species nwood ar Maple	Low Medium	No N/A Avg. Height Variable >20 feet	Sapling Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age if from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood understory. Shelterwood cut in fall 2015. Expected to regenerate with mixed
31	3102 4110 - Sugar M Canopy Species Jack Pine Black Cherry Sugar Maple	- Grass faple Assoc Cover 8 12 80 h, Cherry A	ciation Pole Size Class Pole Log/Pole/XLog Pole/Sapling	Nonsto	r Medium I Age 70 40	1.4 7.1 Sub-Can Iroi Suga B 12.4	40 nopy Species nwood ar Maple seech	Low Medium Medium 1-50	No N/A Avg. Height Variable >20 feet Variable	Sapling Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age if from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood understory. Shelterwood cut in fall 2015. Expected to regenerate with mixed hardwoods, becoming 2-aged with time. 2021: filling in reasonably well
31	3102 4110 - Sugar M Canopy Species Jack Pine Black Cherry Sugar Maple 4112 - Maple, Beech	- Grass faple Assoc Cover 8 12 80 h, Cherry A	ciation Pole Size Class Pole Log/Pole/XLog Pole/Sapling Association Sa	Nonsto	r Medium I Age 70 40 er Poor I Age	1.4 7.1 Sub-Can Iron Suga B 12.4 Sub-Can	40 nopy Species nwood ar Maple seech	Low Medium Medium 1-50	No N/A Avg. Height Variable >20 feet Variable N/A	Sapling Sapling Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood understory. Shelterwood cut in fall 2015. Expected to regenerate with mixed hardwoods, becoming 2-aged with time. 2021: filling in reasonably well
30	3102 4110 - Sugar M Canopy Species Jack Pine Black Cherry Sugar Maple 4112 - Maple, Beect Canopy Species	- Grass Apple Associate **Cover** 8	ciation Pole Size Class Pole Log/Pole/XLog Pole/Sapling Association Sa Size Class	Nonsto	r Medium I Age 70 40 er Poor I Age	1.4 1.4 Sub-Can Iroi Suga B 12.4 Sub-Can Pin	40 nopy Species nwood ar Maple deech 100 nopy Species	Low Medium Medium 1-50 Density	No N/A Avg. Height Variable >20 feet Variable N/A Avg. Height	Sapling Sapling Sapling Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age if from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood understory. Shelterwood cut in fall 2015. Expected to regenerate with mixed hardwoods, becoming 2-aged with time. 2021: filling in reasonably well
30 31 32	3102 4110 - Sugar M Canopy Species Jack Pine Black Cherry Sugar Maple 4112 - Maple, Beeck Canopy Species Sugar Maple	- Grass Apple Associate **Cover** **8	ciation Pole Size Class Pole Log/Pole/XLog Pole/Sapling Association Sa Size Class Log/Pole	Nonsto	r Medium I Age 70 40 er Poor I Age	1.4 1.4 Sub-Can Iron Suga B 12.4 Sub-Can Pin Black	40 nopy Species nwood ar Maple seech 100 nopy Species Cherry	Low Medium Medium 1-50 Density Low	No N/A Avg. Height Variable >20 feet Variable N/A Avg. Height 5 - 10 feet	Sapling Sapling Sapling Sapling Size Sapling	inventory, with cedar, quaking aspen, and yellow birch, plus small amounts of hemlock and basswood; cedar and ash saplings were in the understory, and some tag alder. Mature ash now presumed dead. Age i from cedar. Stand occupies a kettle depression with difficult access. Formerly a JP plantation; most of the pine has died, releasing the natural hardwood understory. Shelterwood cut in fall 2015. Expected to regenerate with mixed hardwoods, becoming 2-aged with time. 2021: filling in reasonably well with cherry in many areas, but regen is mostly beech sprouts at this tim



Stand	Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
33	4130	- Aspen	P	oletimb	er Well	37.1	27	Immature	N/A		Stand has some remnant mature trees, mostly along Pioneer Rd.: sugar
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	maple, red maple, black cherry, & quaking aspen.
	Sugar Maple	2	Log	14		Sug	ar Maple	Medium	Variable	Sapling	
	Quaking Aspen	22	Pole/Sapling	5	27	Iro	onwood	High	Variable	Sapling	
	Bigtooth Aspen	45	Pole/Sapling	6	27	Pir	Cherry	Medium	Variable	Sapling	
	Black Cherry	5	Pole/Sapling	7							
	Pin Cherry	20	Pole/Sapling	5							
	Sugar Maple	3	Sapling/Pole	3							
	Red Maple	3	Sapling/Pole	4							
34	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	cked	3.2		Immature	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
							ck Cherry	Low	>20 feet	Log	
							ar Maple	Medium	Variable	Sapling	
							ed Oak	Trace	>20 feet	Pole	
						Re	d Maple	Low	>20 feet	Pole	
							ing Aspen	Trace	>20 feet	Pole	
							ck Cherry	Low	>20 feet	Pole	
						Servicebe	rry (Juneberry) Trace	10 - 20 feet	Tall Shrub	
						Sug	ar Maple	Low	>20 feet	Pole	
35	42290 - Natu	ural Mixed F	Pine S	Sapling N	/ledium	5.6	13	Immature	N/A		Mature planted white pines on the perimeter.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	White Pine	10	Log	16	60	Honeys	suckle (spp.)	Low	5 - 10 feet	Tall Shrub	
	Black Cherry	25	Sapling	2		Wh	nite Pine	Medium	< 5 feet	Seeding	
	White Pine	40	Sapling	1	13						
	Jack Pine	25	Sapling	3							
36	4110 - Sugar M	/laple Asso	ciation S	Sawtimb	er Well	20.5	87	81-110	N/A		BA variable, average about 95.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	80	Log/Pole	10	87	Sug	ar Maple	Low	>20 feet	Sapling	
	Basswood	1	Log	14		E	Beech	Medium	Variable	Sapling	
	Beech	15	Log/Pole/XLog	g 16		Iro	onwood	High	Variable	Sapling	
	Black Cherry	1	Log	16				'			•
	Red Maple	3	Log	16							

Traverse City Mgt. Unit Report 7 -

Report 7 - Stands



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
37	42201 - Natural V Deci	White Pine, duous	Mixed Sav	vtimber	Medium	3.1	50	81-110	N/A		Wolfy open-grown white pine, cherry. Scattered old apple trees, birches.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	White Pine	65	XLog	24	50	Ap	pple (spp.)	Trace	10 - 20 feet	Tall Shrub	
	Quaking Aspen	10	Pole	9		Aut	tumn Olive	Trace	5 - 10 feet	Tall Shrub	
No	rthern White Cedar	5	Pole	8		W	hite Pine	Low	Variable	Sapling	
	Black Cherry	20	Pole/Log	9							
38	122 - Road	/Parking Lo	ot	Nonsto	ocked	0.3	0 U	nspecified	No		Pioneer Road
39	4110 - Sugar M	-			Medium		48	51-80	N/A		This is a small parcel with hardwood poletimber on a steep hillside and an open field at the top of the hill.
	Canopy Species		Size Class		l Age		anopy Species	Density	Avg. Height	Size	
	Sugar Maple	80	Pole/Log/Sap	7	48	lı	ronwood	Medium	Variable	Sapling	
	Basswood	4	Log	14	L		Beech	Low	Variable	Sapling	
	Bigtooth Aspen	10	Pole	8							
	White Pine	2	Pole	8							
	Ironwood	4	Pole	6							
40	6233 - W	et Meadow		Nonsto	cked	1.6	U	nspecified			gas pipeline R.O.W.
						Sub-Ca	anopy Species	Density	Avg. Height	Size	
						W	illow spp.	Trace		Tall Shrub	
						Ca	attail spp.	Low		Non-Wood	
						Т	ag Alder	Medium		Tall Shrub	
41	310 - Herbace	eous Open	land	Nonsto	ocked	1.1	U	nspecified			gas pipeline R.O.W.
42	4110 - Sugar M				Medium	n 7.6	100	51-80	N/A		Stand has mostly low quality, multi-stemmed sugar maple.
	Canopy Species		Size Class		l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Sugar Maple		Log/XLog/Pole		100	Su	gar Maple	Low	Variable	Sapling	
	Jack Pine	10	Pole/Sapling	5			Beech	Medium	Variable	Sapling	
	Black Cherry	10	Log/Pole	12		J	ack Pine	Low	Variable	Sapling	
						lı	ronwood	Low	Variable	Sapling	



Stand	d Level 4 C	over Type		Size De	ensity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
43	4130	- Aspen	Pol	etimbe	r Mediur	n 58.8	27	Immature	N/A		Scattered residual hardwoods, mostly sugar maple.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Sugar Maple	2	Log	14		Black	k Cherry	Low	Variable	Sapling	
	Bigtooth Aspen	60	Pole/Sapling	5	27	Pin	Cherry	Medium	10 - 20 feet	Sapling	
	Black Cherry	15	Sapling/Pole	4	27	Iroi	nwood	Low	Variable	Sapling	
	Sugar Maple	3	Sapling	2		В	eech	Low	Variable	Sapling	
	Ironwood	5	Sapling	2				'			
	Pin Cherry	15	Sapling/Pole	3	27						
44	3102	- Grass		Nonsto	ocked	8.1	L	Inspecified	42111 - Planted Mixed Deci		Mixed pines = jack, white. Trenched fall 2016, planted spring 2017, regen check 2018, per Salo: Cherry and white pine are over 20' tall,
						Sub-Can	opy Species	Density	Avg. Height	Size	concentrated in east 1/2 of the stand. Despite competition, planted RP is growing very well. 2019 regen check: Mostly open west side, fades into
						Black	k Cherry	Low	>20 feet	Pole	partial cover of mostly pole-sized mixed cover. Much of the RP
						Jac	k Pine	Low	>20 feet	Sapling	competition is either healthy advanced WP saplings (acceptable), or pole
						Suga	ar Maple	Low	>20 feet	Pole	sized pine/maple/cherry, which would need to be cut down to remove from competition. These are better just left for diversity; allowing
						Deciduo	us Saplings	Trace	Variable	Sapling	whatever RP can grow up through their shade. 9% mortality on RP
						Re	d Pine	Low	< 5 feet	Seeding	seedlings, 75% free to grow.
						Whi	ite Pine	Low	Variable	Sapling	
						Ju	ıniper	Trace	< 5 feet	Tall Shrub	
45	42220 - Nat	ural Jack F	Pine	Saplino	g Well	32.8	15	Immature	N/A		Dog-hair thick JP regen; small number of JP poles around the rim of a kettle depression in NE part of the stand remaining from original
	Canopy Species	% Cover	Size Class		I Age	Sub-Can	opy Species	Density	Avg. Height	Size	harvested plantation.
	Red Maple	5	Pole/Sapling	5		Black	k Cherry	Low	< 5 feet	Seeding	
	Beech	5	Sapling/Pole	3	L	В	eech	Medium	Variable	Sapling	
	Jack Pine	87	Sapling/Pole	3	15						
	Black Cherry	3	Sapling/Pole	3							
46	4110 - Sugar M	/laple Asso	ciation Pol	etimbe	r Mediur	n 15.1	50	1-50	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	
	Sugar Maple	75	Pole/Sap/Log	5	50	Suga	ar Maple	Medium	Variable	Sapling	
	Red Maple	10	Pole/Log/Sap	7							
	Beech	5	Pole/Log/Sap	6							
	Black Cherry	10	Pole/Log/Sap	7							
47	310 - Herbac	eous Open	land	Nonst	ocked	2.8		Immature	No		frost hole
						Sub-Can	opy Species	Density	Avg. Height	Size	
						Deciduo	us Saplings	Trace	Variable	Sapling	
						Pine	es (spp.)	Trace	Variable	Sapling	
						Black	k Cherry	Low	>20 feet	Pole	
						Red	d Maple	Low	>20 feet	Log	
						Serviceber	ry (Juneberry) Trace	10 - 20 feet	Tall Shrub	



Stand	Level 4 Co	over Type	Si	ize De	ensity	Acres Stand Age E	BA Range	Managed S	Site	General Comments
48	6128 - Lowland (Dec	Coniferous iduous	, Mixed Pole	timbe	r Medium	16.8 130		N/A		Some red pine is on the upland bank along Goose Road; stand slopes downward from there toward the river. Note: stand was not visited in 2021
49	4110 - Sugar M	/laple Asso	ciation Sa	wtimb	er Well	62.4 95	111-140	N/A		Several draws cut through the stand; steep hillsides. Note: stand was not
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	visited in 2021; data is unchanged from 2011 inventory but changed to an edge call, and ash component deleted.
	Sugar Maple	88	Log/Pole	13	95	Sugar Maple	Low	>20 feet	Pole	cago can, and astroomponent deleted.
	Basswood	5	Log/Pole/XLog	15		Sugar Maple	Medium	Variable	Sapling	
	Beech	3	XLog/Log	22		Hemlock	Low	>20 feet	Pole	
	Hemlock	2	Log	17		Ironwood	Low	Variable	Sapling	
	Black Cherry	2	Log	16						
50	3303 - Mixed L	ow Density	Trees N	Nonsto	ocked	7.1	Immature	No		Stand is in a little valley. Mixed hardwoods in patches: mostly sugar
						Sub-Canopy Species	Density	Avg. Height	Size	maple, some cherry, beech. Aspen is scraggly. Filling in with JP and moving to a forested type.
						Jack Pine	Medium	10 - 20 feet	Sapling	Thoving to a forested type.
						Bigtooth Aspen	Low	>20 feet	Pole	
						Deciduous Saplings	Low	Variable	Sapling	
						Jack Pine	Trace	>20 feet	Pole	
						Black Cherry	Low	>20 feet	Log	
							-			{
						Red Maple	Low	>20 feet	Pole	
						Red Maple Honeysuckle (spp.)	Low	>20 feet < 5 feet	Pole Tall Shrub	
<u></u>	4110 - Sugar M	Ларle Asso	ciation Sawl	timbei	r Medium	Honeysuckle (spp.)				Select cut fall 2015.
51			ciation Sawi			Honeysuckle (spp.)	Trace 81-110	< 5 feet		
51	Canopy Species		Size Class	DBH	l Age	Honeysuckle (spp.)	Trace 81-110	< 5 feet	Tall Shrub	
51		% Cover	Size Class Log/Pole/XLog	DB H		Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood	81-110 Density Low	< 5 feet N/A Avg. Height Variable	Size Sapling	
51	Canopy Species Sugar Maple	% Cover	Size Class Log/Pole/XLog Log/Pole/XLog	DBH	l Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species	81-110 Density Low Low	< 5 feet N/A Avg. Height Variable >20 feet	Size Sapling Sapling	
51	Canopy Species Sugar Maple Basswood	% Cover	Size Class Log/Pole/XLog	12 14	l Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple	81-110 Density Low	< 5 feet N/A Avg. Height Variable	Size Sapling	
	Canopy Species Sugar Maple Basswood	% Cover 82 15 3	Size Class Log/Pole/XLog Log/Pole/XLog XLog/Log	12 14 20	1 Age 100	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood	81-110 Density Low Low High	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet	Size Sapling Sapling Seeding	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a
	Canopy Species Sugar Maple Basswood Beech	% Cover 82 15 3 ch, Cherry A	Size Class Log/Pole/XLog Log/Pole/XLog XLog/Log	12 14 20 wtimb	1 Age 100	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech	81-110 Density Low Low High Low 81-110	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable	Size Sapling Sapling Seeding	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but
	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beec	% Cover 82 15 3 ch, Cherry A	Size Class Log/Pole/XLog Log/Pole/XLog XLog/Log XLog/Log	12 14 20 wtimb	1 Age 100 100 er Well	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94	81-110 Density Low Low High Low 81-110	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A	Size Sapling Sapling Seeding Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a
	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beec Canopy Species	% Cover 82 15 3 ch, Cherry A % Cover	Size Class Log/Pole/XLog Log/Pole/XLog XLog/Log Association Sa	DBH 12 14 20 wtimb	1 Age 100 100 er Well	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species	81-110 Density Low High Low 81-110 Density Medium	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height	Size Sapling Sapling Seeding Sapling Sapling Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beecc Canopy Species Sugar Maple	% Cover 82 15 3 3 Ch, Cherry A Cover 25	Size Class Log/Pole/XLog Log/Pole/XLog XLog/Log Association Sa Size Class Pole/Log	DBH 12 14 20 wtimb DBH 9	a Age 100 100 100 100 100 100 100 100 100 10	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple	81-110 Density Low High Low 81-110 Density	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet	Size Sapling Sapling Seeding Sapling Size	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beece Canopy Species Sugar Maple Red Maple	% Cover 82 15 3 3 ch, Cherry A Cover 25 65	Association Sa Pole/Log Log/Pole Association Sa Log/Pole	DBH 12 14 20 wtimb DBH 9 13	a Age 100 100 100 100 100 100 100 100 100 10	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple Beech	81-110 Density Low Low High Low 81-110 Density Medium High	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet Variable	Size Sapling Sapling Seeding Sapling Size Sapling Size Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beece Canopy Species Sugar Maple Red Maple Bigtooth Aspen	% Cover 82 15 3 ch, Cherry A Cover 25 65 5 5	Association Sa Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole	DBH 12 12 12 12 12 12 12	er Well 1 Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple Beech Hemlock	81-110 Density Low High Low 81-110 Density Medium High Low	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet Variable 10 - 20 feet	Size Sapling Seeding Sapling Size Sapling Size Sapling Sapling Sapling Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beece Canopy Species Sugar Maple Red Maple Bigtooth Aspen Black Cherry	% Cover 82 15 3 3 Ch, Cherry A 65 5 5 5 Ch, Cherry A	Association Sa Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole	DBH 12 14 20 wtimb 9 13 12 12 wtimb	er Well 1 Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple Beech Hemlock Ironwood	81-110 Density Low High Low 81-110 Density Medium High Low High Low High S1-110	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet Variable 10 - 20 feet Variable	Size Sapling Seeding Sapling Size Sapling Size Sapling Sapling Sapling Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but predominantly beech and ironwood. 2021 BA about 80.
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beece Canopy Species Sugar Maple Red Maple Bigtooth Aspen Black Cherry 4112 - Maple, Beece	% Cover 82 15 3 3 Ch, Cherry A 65 5 5 5 Ch, Cherry A	Association Sa Log/Pole Log/Pole Association Sa Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Sasociation Sa	DBH 12 14 20 wtimb 9 13 12 12 wtimb	er Well 94 er Well Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple Beech Hemlock Ironwood 3.0 100	81-110 Density Low High Low 81-110 Density Medium High Low High Low High S1-110	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet Variable 10 - 20 feet Variable N/A	Size Sapling Sapling Seeding Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but predominantly beech and ironwood. 2021 BA about 80.
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beece Canopy Species Sugar Maple Red Maple Bigtooth Aspen Black Cherry 4112 - Maple, Beece Canopy Species	% Cover 82 15 3 3 ch, Cherry A 65 5 5 ch, Cherry A 60 ch, Cher	Association Sa Log/Pole Association Sa Pole/Log Log/Pole Log/Pole Log/Pole Association Sa Size Class Pole/Log Log/Pole Log/Pole Log/Pole Size Class	DBH 12 14 20	er Well 1 Age 94 Per Well 1 Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple Beech Hemlock Ironwood 3.0 100 Sub-Canopy Species	81-110 Density Low High Low 81-110 Density Medium High Low High Density 81-110 Density	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet Variable 10 - 20 feet Variable N/A Avg. Height Avg. Height	Size Sapling Sapling Seeding Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but predominantly beech and ironwood. 2021 BA about 80.
52	Canopy Species Sugar Maple Basswood Beech 4112 - Maple, Beece Canopy Species Sugar Maple Red Maple Bigtooth Aspen Black Cherry 4112 - Maple, Beece Canopy Species Sugar Maple	% Cover 82 15 3 3 ch, Cherry A 65 5 5 ch, Cherry A 60 Cover 58	Association Sa Log/Pole Log/Pole Log/Pole Log/Pole Association Sa Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	12	er Well 1 Age 94 Per Well 1 Age	Honeysuckle (spp.) 10.0 100 Sub-Canopy Species Ironwood Sugar Maple Ironwood Beech 27.6 94 Sub-Canopy Species Sugar Maple Beech Hemlock Ironwood 3.0 100 Sub-Canopy Species Beech	81-110 Density Low High Low 81-110 Density Medium High Low High Dow High Medium Medium High Low High Medium Medium Migh Medium Medium Medium Medium	< 5 feet N/A Avg. Height Variable >20 feet < 5 feet Variable N/A Avg. Height >20 feet Variable 10 - 20 feet Variable N/A Avg. Height Variable	Size Sapling Seeding Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	Select cut fall 2015. Thinned in 2009. There are scattered areas with aspen sprouts as a result of the thinning. Also some cherry and maple in regen gaps, but predominantly beech and ironwood. 2021 BA about 80.



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
54	4112 - Maple, Beec					m 22.2	96	81-110	N/A		Patchy distribution of trees, some open gaps, some regen patches. BA quite variable. Generally low quality, many multi-stemmed trees. The
	Canopy Species	% Cover	Size Class		I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	snowmobile trail runs through this stand along Pioneer Road. 2021 BAs:
	Sugar Maple	65	Log/Pole	10	96	Su	gar Maple	Medium	Variable	Sapling	80, 120, 70, 170, 70; mean 102.
	Red Maple	20	Log/Pole	13			Beech	Medium	Variable	Sapling	
	Bigtooth Aspen	5	Log/Pole	12		Ir	onwood	Low	Variable	Sapling	
	Black Cherry	10	Log/Pole	10							
55	3103 - R	Rubus-Fern	ı	Nonsto	ocked	20.1	ļ	mmature	Managed O _l	pening	Formerly low-density trees; whole-tree clearcut in fall 2015 for opening
						Sub-Ca	nopy Species	Density	Avg. Height	Size	maintenance. Some skids of small hemlocks from adjacent hardwood stand were placed at the edge of this opening for wildlife brush piles.
							ed Maple	Low	>20 feet	Log	There has been some ORV damage on slopes.
						Common C	r Ground Junip	er Trace	< 5 feet	Tall Shrub	-
						Pir	ies (spp.)	Trace	Variable	Sapling	
						Bla	ck Cherry	Low	>20 feet	Log	
						Sug	gar Maple	Low	>20 feet	Log	
						Servicebe	erry (Juneberry)	Trace	10 - 20 feet	Tall Shrub	
						Sug	gar Maple	Low	Variable	Sapling	
						Bla	ck Cherry	Low	10 - 20 feet	Sapling	
							Beech	Low	< 5 feet	Seeding	
56	3103 - R	Rubus-Fern	1	Nonsto	ocked	2.9			No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ja	ack Pine	Trace	>20 feet	Pole	
						Qual	king Aspen	Trace	>20 feet	Sapling	
						Bla	ck Cherry	Low	>20 feet	Pole	
						Decidu	ous Saplings	Trace	Variable	Sapling	
57	4130	- Aspen		Sapling	g Well	2.8	15	mmature	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	5	Pole/Sapling	6		Ja	ack Pine	Low	5 - 10 feet	Sapling	
	Bigtooth Aspen	90	Sapling	2	15	Bla	ck Cherry	Medium	Variable	Seeding	
	Black Cherry	5	Sapling/Pole	3	15	Sug	gar Maple	Low	Variable	Sapling	
					<u>'</u>		Beech	Medium	Variable	Sapling	
58	42110 - Pla	nted Red F	Pine S	Sawtimb	er Well	2.4	71	201+	N/A		Part of stand east of road was thinned in 2005. 2021 note: at the time of
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	inventory, this stand was still under an uncompleted sale contract, so the
							nopy opecies	Delibity	, go.g	0.20	stand data was not updated.

Report 7 - Stands Traverse City Mgt. Unit



Stand	Level 4 Co	over Type	Si	ze De	nsity	Acres Stand Age B	A Range	Managed S	ite	General Comments
59	4112 - Maple, Beec						81-110	N/A		Whole-tree thinned in fall 2015. [2011 comments: Low to medium quality timber, numerous multi-stemmed trees. The snowmobile trail runs
	Canopy Species		Size Class		l Age	Sub-Canopy Species	Density	Avg. Height	Size	through this stand on Pioneer Rd.]
	Sugar Maple	53	Pole/Log	9	95	Beech	Low	Variable	Sapling	
	Red Maple	40	Log/Pole	12		Ironwood	Low	Variable	Sapling	
	Quaking Aspen	2	Pole/Log	8	I	Black Cherry	Low	< 5 feet	Seeding	
	Black Cherry	5	Pole/Log	9						
60	4117 - Mixed N.	Hardwood	- Pine Pol	etimb	er Poor	11.6 60	1-50	N/A		Old field filling in with mixed hardwoods and pines.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Sugar Maple	40	Pole/Sap/Log	7	60	Sugar Maple	Low	Variable	Sapling	
	Black Cherry	20	Pole/Log	8		Jack Pine	Low	Variable	Sapling	
	Jack Pine	35	Pole/Sapling	6	32	White Pine	Low	Variable	Sapling	
	White Pine	3	Log/Pole	12		Beech	Low	Variable	Sapling	
	Beech	2	Pole	7			<u> </u>			
61	122 - Road	d/Parking L	ot N	lonsto	ocked	1.3		No		Goose Road
62	4130	- Aspen	Sa	wtimb	er Well	3.6 71		N/A		North end of stand is open hardwoods, steep. 2021 note: at the time of inventory, this stand was still under an uncompleted sale contract, so the
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	stand data was not updated.
	White Ash	2	Pole/Log	8		Ironwood	Medium	Variable	Sapling	
	Quaking Aspen	10	Log/Pole	12		Deciduous Saplings	Low	Variable	Sapling	
	Bigtooth Aspen	0.0	Lea	40						
	9	80	Log	12	71					
	White Pine	5	Log/Pole	12	71					
					71					
63	White Pine Black Cherry 42121 - Planted	5 3	Log/Pole Log/Pole	12 10	er Well	3.4 60	51-80	N/A		
	White Pine Black Cherry 42121 - Planted	5 3 Jack Pine,	Log/Pole Log/Pole	12 10 letimb		3.4 60 Sub-Canopy Species	51-80 Density	N/A Avg. Height	Size	
	White Pine Black Cherry 42121 - Planted Deci	5 3 Jack Pine,	Log/Pole Log/Pole Mixed Pol	12 10 letimb	er Well				Size Sapling	
	White Pine Black Cherry 42121 - Planted Deci Canopy Species	5 3 Jack Pine, iduous % Cover	Log/Pole Log/Pole Mixed Pol Size Class	12 10 letimb	er Well	Sub-Canopy Species	Density	Avg. Height		
	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine	Jack Pine, iduous **Cover** 67	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log	12 10 letimb	er Well	Sub-Canopy Species Sugar Maple	Density Medium	Avg. Height Variable	Sapling	
	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple	Jack Pine, iduous Cover 67 30	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap	12 10 letimb	er Well	Sub-Canopy Species Sugar Maple Beech	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	
63	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple Black Cherry	Jack Pine, iduous **Cover 67 30 1 2	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap Log Log/Pole	12 10 letimb	er Well	Sub-Canopy Species Sugar Maple Beech Ironwood	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	Whole-tree selection harvest fall 2015.
63	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple Black Cherry Red Maple	Jack Pine, iduous **Cover 67 30 1 2 h, Cherry A	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap Log Log/Pole	12 10 letimb DBH 9 8 12 10	er Well	Sub-Canopy Species Sugar Maple Beech Ironwood	Density Medium Medium Low	Avg. Height Variable Variable Variable	Sapling Sapling	Whole-tree selection harvest fall 2015.
63	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple Black Cherry Red Maple 4112 - Maple, Beec	Jack Pine, iduous **Cover 67 30 1 2 h, Cherry A	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap Log Log/Pole Association Sawl	12 10 letimb DBH 9 8 12 10	er Well Age 60 Mediu	Sub-Canopy Species Sugar Maple Beech Ironwood m 132.1 101	Density Medium Medium Low 81-110	Avg. Height Variable Variable Variable N/A	Sapling Sapling Sapling	Whole-tree selection harvest fall 2015.
63	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple Black Cherry Red Maple 4112 - Maple, Beec Canopy Species	Jack Pine, iduous Cover 67 30 1 2 h, Cherry A	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap Log Log/Pole Association Sawl	12 10 letimb DBH 9 8 12 10 timber	er Well Age 60 Medium	Sub-Canopy Species Sugar Maple Beech Ironwood m 132.1 101 Sub-Canopy Species	Density Medium Medium Low 81-110 Density	Avg. Height Variable Variable Variable N/A Avg. Height	Sapling Sapling Sapling	Whole-tree selection harvest fall 2015.
63	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple Black Cherry Red Maple 4112 - Maple, Beec Canopy Species Sugar Maple	5 3 Jack Pine, iduous **Cover* 67 30 1 2 h, Cherry A **Cover* 35 50	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap Log Log/Pole Association Sawl Size Class Log/Pole	12 10 letimb 9 8 12 10 timber	er Well Age 60 Medium Age 101	Sub-Canopy Species Sugar Maple Beech Ironwood m 132.1 101 Sub-Canopy Species Beech	Density Medium Medium Low 81-110 Density High	Avg. Height Variable Variable Variable N/A Avg. Height Variable	Sapling Sapling Sapling Sapling	Whole-tree selection harvest fall 2015.
64	White Pine Black Cherry 42121 - Planted Deci Canopy Species Jack Pine Sugar Maple Black Cherry Red Maple 4112 - Maple, Beec Canopy Species Sugar Maple Red Maple	5 3 Jack Pine, iduous **Cover* 67 30 1 2 h, Cherry A **Cover* 35 50	Log/Pole Log/Pole Mixed Pol Size Class Pole/Log Pole/Log/Sap Log Log/Pole Association Sawl Size Class Log/Pole Log	12 10 letimb 9 8 12 10 timber DBH 10 14	er Well Age 60 Medium Age 101	Sub-Canopy Species Sugar Maple Beech Ironwood m 132.1 101 Sub-Canopy Species Beech Hemlock	Density Medium Medium Low 81-110 Density High Low	Avg. Height Variable Variable Variable N/A Avg. Height Variable 10 - 20 feet	Sapling Sapling Sapling Size Sapling Sapling	Whole-tree selection harvest fall 2015.

4

Sapling/Pole

Report 7 - Stands

Compartment: 14 Year of Entry: 2023



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed \$	Site	General Comments
65	310 - Herbac	eous Open	land	Nonst	cked	2.2			No		Pipeline ROW and highway shoulder.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Ja	ck Pine	Low	< 5 feet	Sapling	
66	4112 - Maple, Beec	h, Cherry A	Association S	Sapling I	Medium	n 13.3	40	1-50	N/A		Former jack pine plantation has mostly died off, releasing the well-
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	stocked red maple understory. The snowmobile trail abuts this stand. Lots of JP snags and slash.
	Jack Pine	5	Pole	8	70	Re	d Maple	Medium	Variable	Sapling	
	Black Cherry	5	Pole/Log	9		E	Beech	Medium	Variable	Sapling	
	Red Maple	80 8	Sapling/Pole/Le	og 4	40						
	Beech	10	Sapling/Pole	4							
67	4110 - Sugar M	laple Asso	ciation S	Sawtimb	er Poo	r 27.4	81	51-80	N/A		Northeast and south parts of original stand were clearcut in 2015, and are now separate stands 200 & 201. [2011 comments: Some scattered
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	red and white pine, honeysuckle; aspen is in scattered clones, mostly at
	Red Maple	5	Log/Pole	10		Blac	ck Cherry	Low	Variable	Sapling	the south end, jack pine also is mainly in the south end. Cherry is open
	Black Cherry	95	Log/Pole	13	81	Servicebe	rry (Juneberry)	Low	10 - 20 feet	Tall Shrub	grown, low quality. Good game habitat.]
						Sug	ar Maple	Low	Variable	Sapling	
						Honeys	suckle (spp.)	Low	< 5 feet	Tall Shrub	
68	4130	- Aspen		Sapling	y Well	8.5	15 I	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Pole/Sapling	5		E	Beech	Low	Variable	Sapling	
	Bigtooth Aspen	50	Sapling	3	15						
	White Pine	1	Log	10							
	Black Cherry	4	Sapling	3							
	Ironwood	3	Sapling/Pole	4							
	Beech	2	Pole/Sapling	5							
	Quaking Aspen	25	Sapling	3	15						
69	310 - Herbac	eous Open	land	Nonst	cked	2.3	I	Immature	No		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blac	ck Cherry	Trace	Variable	Sapling	
						Ja	ck Pine	Low	>20 feet	Pole	
						Blac	ck Cherry	Low	>20 feet	Pole	
						Honeys	suckle (spp.)	Trace	< 5 feet	Tall Shrub	
70	4130	- Aspen	5	Sapling I	Medium	n 25.9	15 I	Immature	N/A		The stand has scattered young jack and red pine, juneberry, and residua
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	red maple saplings and poles. Stand is reasonably well stocked with aspen, but there are some open patches, which may eventually fill in.
	Quaking Aspen	82	Sapling	3	15	E	Beech	Low	5 - 10 feet	Sapling	acpoint, sat there are define open paterios, which may eventually illi ill.
	Black Cherry	15	Sapling/Pole	4		Iro	onwood	Low	Variable	Sapling	
	Red Maple	2	Sapling/Pole								_
					_						

1

Jack Pine



Stand	Level 4 C	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
71	3302 - Low Der	nsity Conife	r Trees	Nonst	cked	8.4	I	mmature	No		Old county gravel pit, furrowed and planted to JP in 2007; fill in planted
						Sub-Ca	anopy Species	Density	Avg. Height	Size	with RP in 2009. Delineated stand includes a stretch of Pioneer Road. This stand has been updated from a field evaluation for a project on free
						Ja	ack Pine	Low	Variable	Pole	to grow red pine.
						Qual	king Aspen	Low	>20 feet	Pole	
						Ja	ack Pine	Medium	Variable	Sapling	
						Qual	king Aspen	Trace	Variable	Sapling	
						R	led Pine	Trace	5 - 10 feet	Sapling	
						Honey	suckle (spp.)	Trace	< 5 feet	Tall Shrub	
						Bla	ick Cherry	Trace	>20 feet	Pole	
72	42120 - Plai	nted Jack F	Pine Pole	etimbe	Mediu	ım 3.4	70		N/A		This stand was part of a larger JP plantation harvested in 2006. This residual strip was purposely left to thwart illegal ORV use in the adjacent
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	abandoned gravel pit. Planted JP is dying out, being replaced by JP
	Jack Pine	95	Pole/Sapling	6	70	Ja	ack Pine	Medium	Variable	Sapling	volunteer saplings.
	Black Cherry	4	Pole/Log	8							
	Red Pine	1	Log	11							
73	4110 - Sugar N	∕laple Asso	ciation Po	oletimb	er Wel	l 27.3	81	81-110	N/A		2021 BAs: 60, 140, 100, 90, 60, 50, 110; mean 87. Scattered older aspen. Some mortality in cherry.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	aspen. Some mortality in cherry.
	Sugar Maple	75	Pole/Log	8	81	Sug	gar Maple	Low	>20 feet	Sapling	
	Red Maple	10	Log/Pole	12		Ir	ronwood	Medium	Variable	Sapling	
	Black Cherry	15	Pole/Log	9			Beech	Low	Variable	Sapling	
74	4319 - Mixed	d Upland Fo	prest Pole	etimbe	Mediu	ım 1.3	80	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	
	Sugar Maple	10	Pole/Sapling	6		Sug	gar Maple	Low	Variable	Sapling	
	Red Pine	30	Pole	7	35	Pir	nes (spp.)	Low	Variable	Sapling	
	Jack Pine	25	Pole	7		Servicebe	erry (Juneberry)	Low	>20 feet	Tall Shrub	
	Black Cherry	35	Log/Pole	10	80	Ар	ple (spp.)	Low	10 - 20 feet	Tall Shrub	



tand	Level 4 Co	over Type	;	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
75	3303 - Mixed Lo	ow Density	/ Trees	Nonsto	cked	7.0		Immature	Managed O	pening	Pines thicker along west side.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blad	ck Cherry	Low	>20 feet	Log	
						Servicebe	erry (Juneberry) Trace	10 - 20 feet	Tall Shrub	
						Decidu	ous Saplings	Low	Variable	Sapling	
						Honeys	suckle (spp.)	Trace	5 - 10 feet	Tall Shrub	
						Blad	ck Cherry	Low	>20 feet	Pole	
						Sug	gar Maple	Low	>20 feet	Log	
						Re	d Maple	Low	>20 feet	Pole	
						R	ed Pine	Low	Variable	Sapling	
						R	ed Pine	Trace	>20 feet	Pole	
						Sco	otch Pine	Low	Variable	Sapling	
						Sco	otch Pine	Trace	>20 feet	Pole	
76	42220 - Nat	ural Jack F	Pine	Sapling	Well	19.9	15	Immature	N/A		Planted to red pine in 2007, but volunteer jack pine is dominating the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	regeneration. Most of the RP is overtopped.
	Sugar Maple	2	Sapling/Pole	4		R	ed Pine	Low	< 5 feet	Sapling	
	Jack Pine	86	Sapling	1	15						
	Black Cherry	2	Log	14							
	Black Cherry	5	Sapling	3	15						
	Red Pine	5	Sapling	2	14						
77	3301 - Low Densi	ity Deciduo	ous Trees	Nonsto	cked	3.8		Immature	No		
78	4110 - Sugar M	/laple Asso		wtimber		m 9.7	98	1-50	N/A		Open grown hardwoods are gradually reforesting this site. Small amount of a red pine plantation on adjacent private land extends into the west
	Canopy Species	% Cover			Age		nopy Species		Avg. Height	Size	edge of this stand.
	Sugar Maple	90	Log/Pole/Sap		98		gar Maple	Medium	Variable	Sapling	
	Red Pine	4	Pole	8			ed Pine	Low	Variable	Sapling	
	Black Cherry	6	Pole/Log	8		Wit	ch Hazel	Trace	5 - 10 feet	Tall Shrub	
79	4110 - Sugar M	/laple Asso	ciation P	Poletimb	er Well	22.5	88	111-140	N/A		Almost totally sugar maple; just a few scattered basswood, pine, and beech.
9	Canopy Species	% Cover	Size Class		Age		nopy Species	Density	Avg. Height	Size	Decon.
					00	Suc	gar Maple	Low	>20 feet	Sapling	
	Sugar Maple	98	Pole/Log	9	88		jai iviapic				
		98	Pole/Log Log/XLog	9	00		Beech	Low	Variable	Sapling	

Traverse City Mgt. Unit Report 7 – Stands

Compartment: 14 Year of Entry: 2023



Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	BA Range	Managed S	Site	General Comments
80	4112 - Maple, Beech	h, Cherry	Association S	Sawtimb	er Well	19.1	100	111-140	N/A		2021 BA about 125.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	20	Log/Pole	11		Su	gar Maple	Low	>20 feet	Sapling	
	Red Maple	60	Log/Pole/XLog	g 14	100		Beech	High	Variable	Sapling	
	Beech	10	Log/XLog	17		Ir	onwood	High	Variable	Sapling	
	White Pine	4	Log	11							
	Black Cherry	6	Log/Pole	13							
81	4112 - Maple, Beech	h, Cherry	Association P	oletimb	er Poor	20.8	100	1-50	N/A		Whole-tree shelterwood cut in fall 2015. [2011 comments: Aspen is in
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	scattered clones. Older maple is of low quality, mostly multi-stemmed.]
	Sugar Maple	10	Log	14		Pi	n Cherry	Medium	Variable	Sapling	
	Red Maple	80	Pole/Sap/Log	9	100	Bla	ck Cherry	Low	Variable	Sapling	
	Black Cherry	10	Log/Pole	13		Bigto	ooth Aspen	Trace	5 - 10 feet	Sapling	
							Beech	Low	Variable	Sapling	
82	3303 - Mixed Lo	ow Density	/ Trees	Nonst	ocked	1.1		Immature	No		
					Ī	Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Bla	ck Cherry	Low	>20 feet	Pole	
						Su	gar Maple	Trace	Variable	Sapling	
						R	ed Pine	Low	>20 feet	Pole	
						Su	gar Maple	Trace	>20 feet	Pole	
						R	ed Pine	Trace	10 - 20 feet	Sapling	
83	310 - Herbace	eous Oper	nland	Nonst	ocked	1.5			No		
					Ī	Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Qua	king Aspen	Low	>20 feet	Pole	
						Decidu	ous Saplings	Trace	Variable	Sapling	
						Bla	ck Cherry	Low	>20 feet	Pole	
						Re	ed Maple	Low	>20 feet	Pole	
84	4116 - Mixed N. I	Hardwood	- Aspen Pol	letimbe	r Mediui	m 77.9	40	51-80	N/A		Stand has patchy aspen clones and scattered mature hardwoods serving
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	as a nurse crop for fairly well-stocked maple regeneration. Aspen has some variation in age, mainly +/- 60, and is declining, maple is taking
	Sugar Maple	30	Pole/Sap/Log			Su	gar Maple	High	Variable	Sapling	over. Hemlock is concentrated in the SW finger of the stand. Cherry is
	Red Maple	30	Pole/Log/Sap	8	40	F	lemlock	Trace	Variable	Sapling	generally old, low quality.
	Quaking Aspen	25	Pole/Log	9	61	Ir	onwood	Medium	Variable	Sapling	
	Bigtooth Aspen	5	Log/Pole	12	66		Beech	Low	Variable	Sapling	
	BI 1 01	4.0	1 /D 1	4.0	T - 1						_

Black Cherry

10

Log/Pole

12



Stand	Level 4 C	over Type	;	Size De	nsity	Acres	Stand Age B	A Range	Managed S	iite	General Comments
85	310 - Herbac	ceous Oper	nland	Nonsto	cked	1.5			No		
					Ī	Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Blac	ck Cherry	Low	>20 feet	Pole	
						Re	ed Pine	Low	10 - 20 feet	Pole	
86	42221 - Natural Dec	Jack Pine,	, Mixed	Sapling	ı Well	23.5	14	1-50	N/A		This former jack pine plantation was cut in 2007 and replanted to red pine in 2008. Residual hardwood saplings and poles cover much of the stand,
	Canopy Species	% Cover	Size Class	DBH	Age						but the long-term intention is for pine. Jack pine is dominating the regeneration. There are 2 inclusions, one in the NW corner of the stand
	Sugar Maple	5	Pole/Sap/Log	6							(immature hardwoods with some mature aspen), and one in the SW
	Red Maple	20	Pole/Sapling	5	48						corner (mature hardwoods).
	Beech	2	Sapling	3							
	White Pine	3	Log	12							
	Black Cherry	5	Pole/Log	9							
	Jack Pine	60	Sapling	2	14						
87	42101 - Planted Dec	White Pine	e, Mixed S	Sawtimb	er Well	11.0	70	111-140	N/A		Stand was thinned in 2007.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	10	Log/Pole	13		E	Beech	High	Variable	Sapling	
	Red Maple	10	Log	16		Wh	nite Pine	Low	< 5 feet	Seeding	
	White Pine	70	Log	14	70			,			-
	Black Cherry	10	Log	15							
88	4117 - Mixed N	l. Hardwood	d - Pine S	Sawtimb	er Well	14.0	81	111-140	N/A		White pine patches were thinned in 2007; thick red maple regen in some
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	thinned areas. 2021 BAs: 180, 180, 140, 150, 120, 70, 120, 120; mean 135.
	Sugar Maple	10	Pole/Log	9		E	Beech	Medium	Variable	Sapling	
	Red Maple	45	Log/Pole	13	81	Iro	onwood	Low	Variable	Sapling	
	Bigtooth Aspen	3	Log	14		Sug	ar Maple	Low	Variable	Sapling	
	White Pine	30	Log/Pole	13	70	Re	d Maple	Low	Variable	Sapling	
	Black Cherry	12	Log/Pole	13							
89	4112 - Maple, Beed	ch, Cherry	Association P	oletimb	er Poor	7.4	98	1-50	N/A		Shelterwood cut fall 2015, starting to fillin. Stand may develop into a 2-
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	aged or multi-aged structure, with aspen, mixed hardwoods, and white pine regeneration. [2011 comments: The stand is a mosaic of mature
	Sugar Maple	75	Pole/Log/Sap		98		ck Cherry	Trace	10 - 20 feet	Sapling	aspen, older hardwoods, and younger patches of sapling/pole maple.
	Red Maple	20	Log	14		E	Beech	Low	< 5 feet	Seeding	Much of the older maple is multi-stemmed, lower quality.]
	White Pine	3	Log	12		Blac	ck Cherry	Low	< 5 feet	Seeding	
	Black Cherry	2	Log	14		Quak	ing Aspen	Low	5 - 10 feet	Sapling	
						Wh	nite Pine	Low	< 5 feet	Seeding	
						Ja	ck Pine	Trace	Variable	Sapling	
					-						=



Stand	d Level 4 C	over Type	S	ize De	nsity	Acres Stand Age I	BA Range	Managed S	ite	General Comments
90	3301 - Low Dens	ity Deciduo	us Trees	Nonsto	cked	1.7	Immature	No		
						Sub-Canopy Species	Density	Avg. Height	Size	
						Quaking Aspen	Trace	>20 feet	Pole	
						Black Cherry	Low	>20 feet	Pole	
						Sugar Maple	Trace	>20 feet	Log	
						Deciduous Saplings	Medium	Variable	Sapling	
						White Pine	Low	Variable	Sapling	
						Sugar Maple	Low	>20 feet	Pole	
91	3303 - Mixed L	ow Density	Trees	Nonsto	cked	13.6	Immature	No		Clearcut fall 2015; scattered mature cherry and maple sapling clumps
					Γ	Sub-Canopy Species	Density	Avg. Height	Size	retained. Filling in naturally with JP, red maple, pin and black cherry, and some aspen. Maple is heavily browsed, but a few are making it past the
						Black Cherry	Trace	>20 feet	Log	deer.
						Red Maple	Low	>20 feet	Pole	
						Aspen (spp.)	Trace	5 - 10 feet	Sapling	
						Red Maple	Low	< 5 feet	Seeding	
						Jack Pine	Medium	< 5 feet	Seeding	
						Pin Cherry	Medium	< 5 feet	Seeding	
						1 111 0110119			00009	
						Black Cherry	Low	Variable	Sapling	
92	4112 - Maple, Beed	ch, Cherry A	Association Saw			Black Cherry n 2.7 100	Low 81-110	Variable N/A		Generally low quality hardwoods, numerous multi-stemmed trees.
92	Canopy Species	ch, Cherry A	Size Class	DBH	Age	Black Cherry	Low 81-110	Variable	Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
92				DBH		Black Cherry n 2.7 100	Low 81-110	Variable N/A	Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
92	Canopy Species	% Cover	Size Class	DBH	Age	Black Cherry n 2.7 100 Sub-Canopy Species	81-110 Density	Variable N/A Avg. Height	Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
92	Canopy Species Sugar Maple	% Cover 45	Size Class Log/Pole	13 13 20	Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech	81-110 Density High	Variable N/A Avg. Height Variable	Sapling Size Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
92	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen	% Cover 45 45	Size Class Log/Pole Log/Pole	13 13	Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood	81-110 Density High Medium	Variable N/A Avg. Height Variable Variable	Sapling Size Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
92	Canopy Species Sugar Maple Red Maple Beech	% Cover 45 45 3	Size Class Log/Pole Log/Pole XLog	13 13 20	Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood	81-110 Density High Medium	Variable N/A Avg. Height Variable Variable	Sapling Size Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
92	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry	% Cover 45 45 3 4	Size Class Log/Pole Log/Pole XLog Log Log Log/XLog	13 13 20 15 16	Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood	81-110 Density High Medium	Variable N/A Avg. Height Variable Variable	Sapling Size Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry	% Cover 45 45 3 4 3	Size Class Log/Pole Log/Pole XLog Log Log Sa	DBH 13 13 20 15 16	Age 100	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple	B1-110 Density High Medium Low	Variable N/A Avg. Height Variable Variable Variable	Sapling Size Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130	% Cover	Size Class Log/Pole Log/Pole XLog Log Log Sa	DBH 13 13 20 15 16	Age 100 er Well	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61	B1-110 Density High Medium Low	Variable N/A Avg. Height Variable Variable Variable N/A	Sapling Size Sapling Sapling Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130 Canopy Species	% Cover	Size Class Log/Pole Log/Pole XLog Log Log Size Class	DBH 13 13 20 15 16 awtimb	Age 100 er Well Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61 Sub-Canopy Species	B1-110 Density High Medium Low Density	Variable N/A Avg. Height Variable Variable Variable N/A Avg. Height	Sapling Size Sapling Sapling Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130 Canopy Species Sugar Maple	% Cover	Size Class Log/Pole Log/Pole XLog Log Log Size Class Pole/Log	DBH 13 13 20 15 16 awtimb DBH 9	Age 100 er Well Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61 Sub-Canopy Species Sugar Maple	B1-110 Density High Medium Low Density Medium	Variable N/A Avg. Height Variable Variable Variable N/A Avg. Height Variable	Sapling Size Sapling Sapling Sapling Sapling Sapling	Generally low quality hardwoods, numerous multi-stemmed trees.
	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130 Canopy Species Sugar Maple	% Cover	Size Class Log/Pole XLog Log Log Log/XLog Size Class Pole/Log Log/Pole	DBH	Age 100 er Well Age	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61 Sub-Canopy Species Sugar Maple Ironwood	B1-110 Density High Medium Low Density Medium Medium Medium	Variable N/A Avg. Height Variable Variable Variable N/A Avg. Height Variable Variable	Sapling Size Sapling Sapling Sapling Size Sapling Sapling Sapling	This stand is a private land plantation that extends onto state land; 8-9
93	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130 Canopy Species Sugar Maple Bigtooth Aspen	% Cover	Size Class Log/Pole XLog Log Log Log/XLog Sa Size Class Pole/Log Log/Pole	DBH	er Well er Well er Well	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61 Sub-Canopy Species Sugar Maple Ironwood Beech	B1-110 Density High Medium Low Density Medium Medium Medium Medium Medium	Variable N/A Avg. Height Variable Variable Variable N/A Avg. Height Variable Variable Variable Variable	Sapling Size Sapling Sapling Sapling Size Sapling Sapling Sapling	
93	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130 Canopy Species Sugar Maple Bigtooth Aspen	% Cover	Size Class Log/Pole XLog Log Log Log/XLog Sa Size Class Pole/Log Log/Pole	DBH	er Well Age 61	Black Cherry n 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61 Sub-Canopy Species Sugar Maple Ironwood Beech 1.5 45	B1-110 Density High Medium Low Density Medium Medium Medium Medium Medium	Variable N/A Avg. Height Variable	Sapling Size Sapling Sapling Sapling Size Sapling Sapling Sapling Sapling	This stand is a private land plantation that extends onto state land; 8-9
93	Canopy Species Sugar Maple Red Maple Beech Bigtooth Aspen Black Cherry 4130 Canopy Species Sugar Maple Bigtooth Aspen 42110 - Pla Canopy Species	% Cover	Size Class Log/Pole XLog Log Log Log/XLog Size Class Pole/Log Log/Pole Tine Pole Size Class	DBH	er Well er Well Age 61 er Well Age	Black Cherry 1 2.7 100 Sub-Canopy Species Beech Ironwood Sugar Maple 3.3 61 Sub-Canopy Species Sugar Maple Ironwood Beech 1.5 45 Sub-Canopy Species	B1-110 Density High Medium Low Density Medium Medium Medium Medium Medium Density	Variable N/A Avg. Height Variable Variable	Sapling Size Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling Sapling	This stand is a private land plantation that extends onto state land; 8-9



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
95	4116 - Mixed N.	Hardwood	- Aspen	Sawtimb		93.9	90	81-110	N/A		This stand is a mosaic of aspen patches, some with advanced maple regeneration, and patches of mature hardwoods, much of which is multi-
	Canopy Species	% Cover	Size Class		Age	Sub-Car	nopy Species	Density	Avg. Height	Size	stemmed. There are some mature white pines in the east end of the
	Sugar Maple	20	Log/Pole	13	90	Iro	nwood	High	Variable	Sapling	stand.
	Red Maple	40	Log/Pole	11	90	Sug	ar Maple	Medium	Variable	Sapling	
	Quaking Aspen	15	Pole/Log	9	54	E	Beech	Low	Variable	Sapling	
	Bigtooth Aspen	10	Log/Pole	13	54						
	Black Cherry	10	Log/Pole	12							
	Beech	5	Log/Pole	12							
96	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	cked	10.7			No		
						Sub-Car	nopy Species	Density	Avg. Height	Size	
						Blac	k Cherry	Low	>20 feet	Pole	
						Servicebe	rry (Juneberry)	Trace	10 - 20 feet	Tall Shrub	
						Pine	es (spp.)	Trace	Variable	Sapling	
						Sug	ar Maple	Trace	>20 feet	Sapling	
						Quak	ing Aspen	Trace	>20 feet	Pole	
						Blac	k Cherry	Trace	>20 feet	Log	
						Deciduo	us Saplings	Trace	Variable	Sapling	
					L	200.440				- Gapining	
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1	lı	mmature	Managed Op	pening	26 acres (south of Oakley, west of Haze Rd.) had mature deciduous trees commercially harvested in spring 2014 (except s. maple over 10"
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	cked	57.1 Sub-Car	nopy Species	mmature Density	Managed Op	pening Size	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car	lopy Species k Cherry	Density Trace	Managed Op Avg. Height >20 feet	Size Log	trees commercially harvested in spring 2014 (except s. maple over 10"
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blac Servicebe	Inopy Species k Cherry rry (Juneberry)	Density Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet	Size Log Tall Shrub	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blace Servicebe Blace	Inopy Species k Cherry rry (Juneberry) k Cherry	Density Trace Trace Low	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet	Size Log Tall Shrub	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blact Servicebe Blact Sug	nopy Species k Cherry rry (Juneberry) k Cherry ar Maple	mmature Density Trace Trace Low Low	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet	Size Log Tall Shrub Pole Log	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blact Servicebe Blact Sug Blackber	Innopy Species k Cherry rry (Juneberry) k Cherry ar Maple rry/Raspberry	mmature Density Trace Trace Low Low Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet	Size Log Tall Shrub Pole Log Tall Shrub	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blac Servicebe Blac Sug Blackber Quak	In nopy Species It Cherry It (Juneberry) It Cherry It (Apple or Maple It (Apple or Maple) It (Apple or Map	mmature Density Trace Trace Low Low Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet >20 feet >20 feet >20 feet	Size Log Tall Shrub Pole Log Tall Shrub Pole	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blac Servicebe Blac Sug Blackber Quak Sug	Innopy Species k Cherry rry (Juneberry) k Cherry ar Maple rry/Raspberry ing Aspen ar Maple	mmature Density Trace Low Low Trace Trace Low Low Trace Low Trace Low	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet >20 feet < 5 feet >20 feet Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blact Servicebe Blact Sug Blackber Quak Sug Pine	In nopy Species In the Kenny (Juneberry) In th	mmature Density Trace Trace Low Low Trace Trace Low Trace Trace Low Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet >20 feet Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blace Servicebe Blace Sug Blackber Quak Sug Pine	In nopy Species In the Kenny of	mmature Density Trace Trace Low Trace Trace Trace Trace Trace Trace Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet >20 feet Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blace Servicebe Blace Sug Blackber Quak Sug Pine	Innopy Species In Achieve American Maple In Apple American Maple In Apple American Maple In Apple American Maple In Apple In In Apple In I	mmature Density Trace Trace Low Low Trace Trace Low Trace Trace Trace Trace Trace Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable >20 feet	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ccked	57.1 Sub-Car Blace Servicebe Blace Sug Blackber Quak Sug Pine E	In nopy Species It Cherry It (Juneberry) It Cherry It (Juneberry) It Cherry It (Apple It (Apple) It	mmature Density Trace Trace Low Low Trace Trace Low Trace Trace Low Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable Variable Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97	3301 - Low Densi	ity Deciduo	us Trees	Nonsto	ocked	57.1 Sub-Car Blace Servicebe Blace Sug Blackber Quak Sug Pine E	Innopy Species In Achieve American Maple In Apple American Maple In Apple American Maple In Apple American Maple In Apple In In Apple In I	mmature Density Trace Trace Low Low Trace Trace Low Trace Trace Trace Trace Trace Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable >20 feet	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump
97		- Aspen		Sapling	ı Well	57.1 Sub-Car Blace Servicebe Blace Sug Blackber Quak Sug Pine E	In nopy Species k Cherry (Juneberry) k Cherry ar Maple ry/Raspberry ing Aspen ar Maple es (spp.) seech d Maple k Cherry ing Aspen	mmature Density Trace Trace Low Low Trace Trace Low Trace Trace Low Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable Variable Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump sprouts.
	4130 Canopy Species	- Aspen	us Trees	Sapling		57.1 Sub-Car Blace Servicebee Blace Sug Blackber Quak Sug Pine E Rec Blace Quak	In nopy Species k Cherry (Juneberry) k Cherry ar Maple ry/Raspberry ing Aspen ar Maple es (spp.) seech d Maple k Cherry ing Aspen	mmature Density Trace Trace Low Low Trace Low Trace Trace Low Trace Low Trace Trace Low Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable Variable Variable Variable Variable Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump sprouts.
	4130 Canopy Species Quaking Aspen	- Aspen **Cover** 5		Sapling DBH	y Well Age	57.1 Sub-Car Blace Servicebee Blace Sug Blackber Quak Sug Pine E Rec Blace Quak	In nopy Species k Cherry (Juneberry) k Cherry ar Maple ry/Raspberry ing Aspen ar Maple es (spp.) seech d Maple k Cherry ing Aspen	mmature Density Trace Trace Low Low Trace Low Trace Trace Low Trace Low Trace Trace Low Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable Variable Variable Variable Variable Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump sprouts.
	4130 Canopy Species	- Aspen % Cover	Size Class	Sapling DBH 3 3	ı Well	57.1 Sub-Car Blace Servicebee Blace Sug Blackber Quak Sug Pine E Rec Blace Quak	In nopy Species k Cherry (Juneberry) k Cherry ar Maple ry/Raspberry ing Aspen ar Maple es (spp.) seech d Maple k Cherry ing Aspen	mmature Density Trace Trace Low Low Trace Low Trace Trace Low Trace Low Trace Trace Low Trace Trace Trace	Managed Op Avg. Height >20 feet 10 - 20 feet >20 feet >20 feet < 5 feet >20 feet Variable Variable Variable Variable Variable Variable Variable Variable	Size Log Tall Shrub Pole Log Tall Shrub Pole Sapling Sapling Sapling Pole Sapling	trees commercially harvested in spring 2014 (except s. maple over 10" dbh) for opening maintenance, resulting in numerous cherry stump sprouts.



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age I	BA Range	Managed S	ite	General Comments
99	4130	- Aspen	;	Sapling	Well	11.4	25	Immature	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	5	Pole/Sapling	5		В	Beech	Low	5 - 10 feet	Sapling	
	Quaking Aspen	58	Sapling/Pole	4	25	Blac	k Cherry	High	Variable	Sapling	
	Bigtooth Aspen	15	Sapling/Pole	4	25	Iro	nwood	Low	Variable	Sapling	
	White Pine	5	Log/Pole	11				'			_
	Jack Pine	2	Sapling	4							
	Black Cherry	15	Sapling	3	25						
100	4119 - Mixed No	orthern Hard	dwoods Po	oletimb	er Wel	2.3	62	81-110	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	10	Log/Pole	10		Suga	ar Maple	Medium	Variable	Sapling	
	Red Maple	65	Pole/Log/Sap	8	62	В	Beech	Low	Variable	Sapling	
	Quaking Aspen	2	Pole	9		Iro	nwood	High	Variable	Sapling	
	Bigtooth Aspen	15	Log/Pole	12							1
	Black Cherry	3	Log/Pole	12							
	Ironwood	5	Pole/Sapling	5							
101	4116 - Mixed N.		- Aspen Po	oletimb	er Wel		40	51-80	N/A	Size	1
	Canopy Species Sugar Maple		Pole/Log/Sap	8	Age			Low	Avg. Height Variable	Sapling	
	Red Maple	15 50	Pole/Sap/Log	6	40		ar Maple d Maple		Variable	Sapling	
	Quaking Aspen	23	Pole	8	60		a Maple Beech	Medium Low	Variable	Sapling	
	Black Cherry	5	Log	12	00		nwood	High	Variable	Sapling	
	Ironwood	5	Sapling/Pole	4		110	niwood	riigii	variable	Saping	
	White Pine	2	Log	12							
102		Red Oak		vtimber	Mediu	m 2.0	69	81-110	N/A		Successful red oak plantation, good quality. Thinned in 2013.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Oak	96	Log/Pole	10	69	В	Beech	Medium	5 - 10 feet	Sapling	
	Red Pine	4	Pole	8	69	Re	ed Pine	Medium	10 - 20 feet	Sapling	
03	42111 - Planted Deci	Red Pine, iduous	Mixed Po	oletimb			69	1-50	N/A		Stand was a mature JP plantation, cut in 2013 following major storm damage in March, 2012. Scattered oak and red pine were retained.
	Canopy Species		Size Class		Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Pine	70	Pole/Log/Sap	8	69		ck Pine	Medium	5 - 10 feet	Sapling	
	Red Oak	30	Log/Pole	10	69	В	Beech	High	Variable	Sapling	
						Sco	tch Pine	Trace	Variable	Sapling	
						Blac	k Cherry	Trace	Variable	Sapling	

Traverse City Mgt. Unit Report 7 - Stands

0.7

Nonstocked

Compartment: 14 Year of Entry: 2023



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
105	4139 - Aspen, I	Mixed Deci	duous Sa	awtimb	er Well	12.6	62	111-140	N/A		Stand is a patchy mix of hardwoods and good quality bigtooth aspen.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	15	Log/Pole	10		Sug	ar Maple	Medium	Variable	Sapling	
	Red Maple	25	Log/Pole	13	81	Irc	nwood	Medium	Variable	Sapling	
	Beech	2	XLog/Log	18							•
	Bigtooth Aspen	58	Log	13	62						
106	42100 - Plan	ted White F	Pine Saw	vtimbe	Mediun	n 10.3	70	51-80	N/A		There are a few mature hardwoods along the edge.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	2	Log	15		Sug	ar Maple	Full	Variable	Sapling	
	White Pine	96	Log/Pole	13	70	Е	Beech	Low	Variable	Sapling	
	Black Cherry	2	Log	14		Blac	k Cherry	Low	Variable	Sapling	
						Wh	ite Pine	Trace	< 5 feet	Seeding	
107	4319 - Mixed	•			Mediun		69	51-80	N/A	0:	White pine is mostly in a single clump. Hardwood understory varies in density.
107	Canopy Species	% Cover	Size Class	DBF	Mediun	Sub-Car	nopy Species	Density	Avg. Height	Size	. , , , , , , , , , , , , , , , , , , ,
107	Canopy Species Sugar Maple	% Cover 20	Size Class Pole/Sap/Log	DB F		Sub-Car Sug	nopy Species ar Maple	Density Medium	Avg. Height Variable	Sapling	. , , , , , , , , , , , , , , , , , , ,
107	Canopy Species Sugar Maple White Pine	% Cover 20 2	Size Class Pole/Sap/Log Log	6 13	I Age	Sub-Car Sug Re	nopy Species ar Maple d Maple	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	. , , , , , , , , , , , , , , , , , , ,
107	Canopy Species Sugar Maple White Pine Jack Pine	% Cover 20 2 50	Size Class Pole/Sap/Log Log Pole	DBH 6 13 8		Sub-Car Sug Re	nopy Species ar Maple	Density Medium	Avg. Height Variable	Sapling	. , , , , , , , , , , , , , , , , , , ,
107	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry	% Cover 20 2 50 8	Size Class Pole/Sap/Log Log Pole Log/Pole	6 13 8 12	I Age	Sub-Car Sug Re	nopy Species ar Maple d Maple	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	. , , , , , , , , , , , , , , , , , , ,
107	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry Red Maple 6117 - Lowland	% Cover 20 2 50 8 20	Size Class Pole/Sap/Log Log Pole Log/Pole Pole/Sapling	DBH 6 13 8 12 5	69 er Well	Sub-Car Sug Re	nopy Species ar Maple d Maple Beech	Density Medium Medium	Avg. Height Variable Variable	Sapling Sapling	. , , , , , , , , , , , , , , , , , , ,
	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry Red Maple 6117 - Lowland	% Cover 20 2 50 8 20 Deciduous, iferous	Size Class Pole/Sap/Log Log Pole Log/Pole Pole/Sapling	DBH 6 13 8 12 5 awtimb	69	Sub-Car Sug Re E	nopy Species ar Maple d Maple Beech	Density Medium Medium Medium	Avg. Height Variable Variable Variable	Sapling Sapling Sapling	density.
	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry Red Maple 6117 - Lowland I Coni Canopy Species Red Maple	% Cover 20 2 50 8 20 Deciduous, iferous	Size Class Pole/Sap/Log Log Pole Log/Pole Pole/Sapling Mixed Sa	DBH 6 13 8 12 5 awtimb DBH 12	69 er Well	Sub-Car Sug Rec 5.0	nopy Species ar Maple d Maple Beech	Density Medium Medium Medium Medium	Avg. Height Variable Variable Variable N/A	Sapling Sapling Sapling Sapling Sapling	density.
	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry Red Maple 6117 - Lowland I Coni Canopy Species	% Cover 20 2 50 8 20 Deciduous, iferous % Cover 30 10	Size Class Pole/Sap/Log Log Pole Log/Pole Pole/Sapling Mixed Sa Size Class Log Log/Pole	DBH 6 13 8 12 5 eawtimb	69 er Well	Sub-Car Sug Red 5.0 Sub-Car Northern	nopy Species ar Maple d Maple Beech 113 nopy Species	Density Medium Medium Medium Medium Medium Density	Avg. Height Variable Variable Variable N/A Avg. Height Variable >20 feet	Sapling Sapling Sapling	density.
108	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry Red Maple 6117 - Lowland I Coni Canopy Species Red Maple Yellow Birch Quaking Aspen	% Cover 20 2 50 8 20 Deciduous, iferous % Cover 30	Size Class Pole/Sap/Log Log Pole Log/Pole Pole/Sapling Mixed Sa Size Class Log	DBH 6 13 8 12 5 Sewtimb 12 12 12 12 12	69 er Well	Sub-Car Sug Ree 5.0 Sub-Car Northern	nopy Species ar Maple d Maple Beech 113 nopy Species White Cedar	Density Medium Medium Medium Medium Medium Density Low	Avg. Height Variable Variable Variable N/A Avg. Height Variable	Sapling Sapling Sapling Size Sapling Pole Sapling	density.
108	Canopy Species Sugar Maple White Pine Jack Pine Black Cherry Red Maple 6117 - Lowland I Coni Canopy Species Red Maple Yellow Birch	% Cover 20 2 50 8 20 Deciduous, iferous % Cover 30 10	Size Class Pole/Sap/Log Log Pole Log/Pole Pole/Sapling Mixed Sa Size Class Log Log/Pole	DBH 6 13 8 12 5 eawtimb	69 er Well	Sub-Car Sug Red 5.0 Sub-Car Northern He He	nopy Species ar Maple d Maple Beech 113 nopy Species White Cedar	Density Medium Medium Medium Medium 141-170 Density Low Low	Avg. Height Variable Variable Variable N/A Avg. Height Variable >20 feet	Sapling Sapling Sapling Sapling Size Sapling Pole	density.

No

Platte River

109

500 - Water



Stand	Level 4 C	over Ty	/ре	Size De	nsity	Acres Stand	Age BA	Range	Managed S	Site	General Comments
110	3301 - Low Densi	ity Deci	duous Trees	Nonsto	cked	6.7	In	nmature	No		
						Sub-Canopy S	pecies	Density	Avg. Height	Size	
						Black Cher	ry	Low	>20 feet	Pole	
						Blackberry/Ras	pberry	Trace	< 5 feet	Tall Shrub	
						Black Cher	ry	Low	>20 feet	Log	
						Sugar Map	le	Low	>20 feet	Log	
						Quaking Asp	oen	Trace	>20 feet	Pole	
						Serviceberry (Jur	neberry)	Trace	10 - 20 feet	Tall Shrub	
						Deciduous Sar	olings	Medium	Variable	Sapling	
						White Pine	е	Trace	10 - 20 feet	Pole	
111	3103 - R	Rubus-F	ern	Nonsto	cked	2.1	In	nmature	Managed O _l	pening	
						Sub-Canopy S	pecies	Density	Avg. Height	Size	
						Red Maple	Э	Low	>20 feet	Log	
						Deciduous Sap	olings	Low	Variable	Sapling	
						Black Cher	ry	Low	>20 feet	Log	
						Quaking Asp	pen	Low	>20 feet	Pole	
						Sugar Map	le	Low	>20 feet	Log	
						White Pine	е	Low	Variable	Sapling	
						Jack Pine)	Trace	Variable	Sapling	
112	42110 - Pla	nted Re	ed Pine S	awtimbe	· Mediu	ım 21.7 69	1	11-140	N/A		Big, old sugar maple is concentrated along State Rd. 2010 SI trees: 7.5" 72', 9.1" 71', 9.2" 78'. This 3-part stand was part of a larger plantation
	Canopy Species	% Co	ver Size Class		l Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	that had heavy storm damage in 2012. These patches were thinned after
	Sugar Maple	1	XLog	36		Sugar Map	le	Medium	Variable	Sapling	the storm in 2013 to remove damaged and vulnerable trees; the
	White Pine	2	Pole	9	69	Beech		Medium	Variable	Sapling	remainder of the original plantation area was more heavily damaged and was clearcut. 2021 BA about 130.
	Red Pine	95	Log/Pole	10	69	Black Cher	ry	Low	Variable	Sapling	was clearcul. 2021 BA about 130.
	Black Cherry	2	Pole/Log	9		White Pine	е	Low	Variable	Sapling	
						Scotch Pin	ie	Trace	10 - 20 feet	Sapling	
113	4116 - Mixed N.	Hardwo	<u>'</u>	oletimbe				51-80	N/A		Poor quality quaking aspen.
	Canopy Species	% Co			l Age	Sub-Canopy S	pecies	Density	Avg. Height	Size	
	Sugar Maple	15	Pole/Log/Sa	p 9	98	Sugar Map	le	High	Variable	Sapling	
	Quaking Aspen	25	Pole/Log	9	60	Red Maple	Э	Medium	Variable	Sapling	
	Bigtooth Aspen	10	Log	14		Beech		Low	Variable	Sapling	
	Black Cherry	10		12		Ironwood		Low	Variable	Sapling	
	Beech	2		7							
	Red Maple	35	Pole/Sapling	g 6	40						
	White Pine	3	Pole	7							



tand	Level 4 Co	over Type	S	ize De	пэщ	Acres Stand Age	BA Range	Managed S	site	General Comments
114	3301 - Low Densi	ty Deciduo	us Trees 1	Nonsto	cked	2.9	Immature	No		Mature hardwoods: black cherry, sugar maple, red maple, basswood;
					•	Sub-Canopy Specie	s Density	Avg. Height	Size	sapling hardwoods: sugar maple, ironwood, red maple.
						Deciduous Saplings	Medium	Variable	Sapling	
						Quaking Aspen	Trace	>20 feet	Pole	
						Serviceberry (Juneberr	/) Trace	10 - 20 feet	Tall Shrub	
						Sugar Maple	Low	>20 feet	Log	
						Black Cherry	Low	>20 feet	Log	
						White Pine	Low	Variable	Sapling	
						Jack Pine	Low	Variable	Sapling	
15 4	4112 - Maple, Beec	h, Cherry A	Association Saw	/timbei	Mediu	m 34.5 95	81-110	N/A		Stand was thinned in winter 2014. 2021 BA about 90.
(Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	
	Sugar Maple	30	Pole/Log	9		Sugar Maple	Low	Variable	Sapling	
	Red Maple	50	Log/Pole	13	95	Beech	High	Variable	Sapling	
	Beech	5	XLog	24		Ironwood	High	Variable	Sapling	
C	Quaking Aspen	3	Log	11						•
	Black Cherry	12	Log/Pole	12						
16	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well		111-140	N/A		Stand has occassional hemlock, beech, and elm. Good quality timber. 2021 BAs: 120. 130. 100. 110. 120. 130. 120: mean 119.
16	4110 - Sugar M	laple Asso	ciation Sa	awtimb DBH	Age	Sub-Canopy Specie	Density	Avg. Height	Size	Stand has occassional hemlock, beech, and elm. Good quality timber 2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple	Maple Asso Cover	ciation Sa Size Class Log/Pole	DBH 12	Age	Sub-Canopy Specie	Density Low	Avg. Height 10 - 20 feet	Sapling	
16	4110 - Sugar M Canopy Species Sugar Maple Basswood	Maple Asso Cover 85	ciation Sa Size Class Log/Pole XLog/Log	DBH 12 18	Age	Sub-Canopy Specie Ironwood Beech	Low Low	Avg. Height 10 - 20 feet Variable	Sapling Sapling	
16	4110 - Sugar M Canopy Species Sugar Maple	Maple Asso Cover	ciation Sa Size Class Log/Pole	DBH 12	Age	Sub-Canopy Specie Ironwood Beech Black Cherry	Low Low Low	Avg. Height 10 - 20 feet Variable 5 - 10 feet	Sapling Sapling Sapling	
16	4110 - Sugar M Canopy Species Sugar Maple Basswood	Maple Asso Cover 85	ciation Sa Size Class Log/Pole XLog/Log	DBH 12 18	Age	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash	Low Low Low Medium	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet	Sapling Sapling Sapling Seeding	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple Basswood	Maple Asso Cover 85	ciation Sa Size Class Log/Pole XLog/Log	DBH 12 18	Age	Sub-Canopy Specie Ironwood Beech Black Cherry	Low Low Low	Avg. Height 10 - 20 feet Variable 5 - 10 feet	Sapling Sapling Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple Basswood	faple Asso Cover 85 6 9	ciation Sa Size Class Log/Pole XLog/Log Log/XLog	DBH 12 18 16	108 108 er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood	Low Low Low Medium	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet	Sapling Sapling Sapling Seeding	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry	Maple Asso Cover 85 6 9	ciation Sa Size Class Log/Pole XLog/Log Log/XLog	DBH 12 18 16	108	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood	Low Low Low Medium Trace	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet	Sapling Sapling Sapling Seeding Tall Shrub	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar	Maple Asso Cover 85 6 9	ciation Sa Size Class Log/Pole XLog/Log Log/XLog	DBH 12 18 16	108 108 er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech	Low Low Low Medium Trace	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A	Sapling Sapling Sapling Seeding Tall Shrub	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species	flaple Asso Cover 85 6 9 nted Red F	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class	DBH 12 18 16 2 2 3 4 4 4 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	108 108 er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie	Low Low Low Medium Trace 141-170 S Density	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A Avg. Height	Sapling Sapling Sapling Seeding Tall Shrub	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
16	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species Red Pine	flaple Asso Cover 85 6 9 nted Red F Cover 97	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class Log/Pole	DBH 12 18 16 2 2 3 4 4 4 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	108 108 er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech	Low Low Low Medium Trace 141-170 Density Low	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A Avg. Height Variable	Sapling Sapling Sapling Seeding Tall Shrub Size Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119.
117	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species Red Pine	Asso Cover 85 9 9 nted Red F Cover 97 3	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class Log/Pole Log/Pole/XLog	DBH 12 18 16 2 2 3 4 4 4 5 6 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8	er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech Sugar Maple	Low Low Low Medium Trace 141-170 Density Low Low Low Low Low Low Low	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A Avg. Height Variable Variable	Sapling Sapling Sapling Seeding Tall Shrub Size Sapling Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119. Stand was thinned in March 2017. Deciduous trees: mostly sugar maple with some black cherry, red map
117	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species Red Pine Black Cherry	Asso Cover 85 9 9 nted Red F Cover 97 3	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class Log/Pole Log/Pole/XLog	DBH 12 18 16 16 11 16	er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech Sugar Maple Black Cherry	Low Low Low Medium Trace 141-170 S Density Low Low Medium	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A Avg. Height Variable Variable Variable	Sapling Sapling Sapling Seeding Tall Shrub Size Sapling Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119. Stand was thinned in March 2017.
117	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species Red Pine Black Cherry	Asso Cover 85 9 9 nted Red F Cover 97 3	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class Log/Pole Log/Pole/XLog	DBH 12 18 16 16 11 16	er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech Sugar Maple Black Cherry 2.4	Low Low Low Medium Trace 141-170 S Density Low Low Medium	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A Avg. Height Variable Variable Variable No	Sapling Sapling Sapling Seeding Tall Shrub Size Sapling Sapling Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119. Stand was thinned in March 2017. Deciduous trees: mostly sugar maple with some black cherry, red map
117	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species Red Pine Black Cherry	Asso Cover 85 9 9 nted Red F Cover 97 3	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class Log/Pole Log/Pole/XLog	DBH 12 18 16 16 11 16	er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech Sugar Maple Black Cherry 2.4 Sub-Canopy Specie	Low Low Medium Trace 141-170 S Density Low Low Medium Medium	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet < 5 feet N/A Avg. Height Variable Variable Variable No Avg. Height	Sapling Sapling Sapling Seeding Tall Shrub Size Sapling Sapling Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119. Stand was thinned in March 2017. Deciduous trees: mostly sugar maple with some black cherry, red map
16	4110 - Sugar M Canopy Species Sugar Maple Basswood Black Cherry 42110 - Plar Canopy Species Red Pine Black Cherry	Asso Cover 85 9 9 nted Red F Cover 97 3	ciation Sa Size Class Log/Pole XLog/Log Log/XLog Pine Sa Size Class Log/Pole Log/Pole/XLog	DBH 12 18 16 16 11 16	er Well	Sub-Canopy Specie Ironwood Beech Black Cherry White Ash Leatherwood 10.3 65 Sub-Canopy Specie Beech Sugar Maple Black Cherry 2.4 Sub-Canopy Specie White Pine	Low Low Low Medium Trace 141-170 S Density Low Low Medium S Density Low Medium	Avg. Height 10 - 20 feet Variable 5 - 10 feet < 5 feet N/A Avg. Height Variable Variable Variable Variable No Avg. Height 5 - 10 feet	Sapling Sapling Sapling Seeding Tall Shrub Size Sapling Sapling Sapling Sapling Sapling	2021 BAs: 120, 130, 100, 110, 120, 130, 120; mean 119. Stand was thinned in March 2017. Deciduous trees: mostly sugar maple with some black cherry, red map



Stand	,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,,	nsity	Acres	Stand Age E	A Range	Managed S	Site	General Comments			
119	4110 - Sugar M	laple Asso	ciation §	Sawtimb	er Well	33.4	96	81-110	N/A		Scattered red maple, hemlock. 2021 BAs: 110, 110, 120, 50, 90, 100;
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mean 97.
	Sugar Maple	75	Log/Pole	10	96	Sug	gar Maple	Low	Variable	Sapling	
	Basswood	10	Log/Pole	12			Beech	Low	Variable	Sapling	
	Beech	10	Log	14		Н	emlock	Low	>20 feet	Pole	
	Black Cherry	5	Log/Pole	13		Ire	onwood	Full	Variable	Sapling	
120	310 - Herbac	eous Open	land	Nonsto	cked	2.5			No		Open road side along U.S. 31 and Goose Road; overhead utility line.
					Ī	Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Decidu	ous Saplings	Trace		Tall Shrub	
121	6132 - Mixed Lowla	nd Forest	with Cedar S	Sawtimb	er Well	9.4	94	201+	N/A		Good deer winter cover, but little browse.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	40	Log/Pole/XLo	g 14	94	Northerr	White Cedar	High	>20 feet	Pole	
	Yellow Birch	5	Log	14		Н	emlock	Low	Variable	Sapling	
	Quaking Aspen	3	Log/Pole	11		Н	emlock	Low	>20 feet	Pole	
No	rthern White Cedar	20	Log/Pole	12							
	White Pine	2	XLog	30							
	Hemlock	30	Log/Pole/XLo	0							
122	4112 - Maple, Beec						83	81-110	N/A		Low quality timber, many multi-stemmed trees. Aspen is unevenly distributed. 2021 BAs: 160, 70, 100, 130, 90, 100, 140, 120, 80, 60;
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	mean 105.
	Sugar Maple	45	Pole/Log	9	83		gar Maple	Low	>20 feet	Sapling	
	Red Maple Beech	35	Log/Pole	13			Beech nite Pine	Low	Variable Variable	Sapling	
	Quaking Aspen	5	Log/Pole Pole/Log	13			onwood	Low	Variable	Sapling Sapling	
	Bigtooth Aspen	2	Log	14	<u> </u>	110	Jiwood	підп	variable	Sapility	
	White Pine	3	Log	15							
	Black Cherry	4	Log/Pole	11							
	Ironwood	2	Pole	8							
	Basswood	1	Log	12							
123	6128 - Lowland (Coniferous duous	, Mixed F	Poletimb	er Well	6.0	85	201+	N/A		Streams run through the stand. Stand has scattered super-canopy whi pines, 30"dbh.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Red Maple	15	Log/Pole	12			White Cedar	Medium	>20 feet	Pole	
	Yellow Birch	5	Log/Pole	12		Н	emlock	Low	Variable	Sapling	
							0				
No	rthern White Cedar	30	Pole/Log	8						1 0	1



Stand	and Level 4 Cover Type		over Type Size Density		ensity	Acres Stand Age I	BA Range	Managed S	Site	General Comments
124	4119 - Mixed No	orthern Har	rdwoods Sav	wtimb	er Well	67.2 106	111-140	N/A		2021 BAs: 140, 100, 140, 140, 120, 120, 130; mean 127. Scattered
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	yellow birch and black cherry.
	Sugar Maple	48	Pole/Log	9	106	Sugar Maple	Low	Variable	Sapling	
	Red Maple	20	Log	14		Beech	High	Variable	Sapling	
	Basswood	10	Log	14		Hemlock	Low	Variable	Pole	
	Beech	8	Log/XLog	16		Ironwood	Low	>20 feet	Pole	
	Bigtooth Aspen	12	Log/Pole/XLog	16		Ironwood	Medium	Variable	Sapling	
	White Pine	2	XLog/Log	20		White Pine	Low	Variable	Sapling	
125	3301 - Low Densi	ity Deciduo	ous Trees N	Nonst	ocked	5.4	Immature	No		The stand has black cherry, sugar maple, ironwood, elm, juneberry,
						Sub-Canopy Species	Density	Avg. Height	Size	hawthorn, and honeysuckle.
						Black Cherry	Low	>20 feet	Pole	
						Mixed Fruiting Shrubs	Low		Non-Wood	
						Deciduous Saplings	Medium	Variable	Sapling	
						White Pine	Trace	>20 feet	Log	
						VVIIILO I IIIO	Hace	/20 ICCI	Log	
						Sugar Maple	Low	>20 feet	Pole	
126	3103 - R	Rubus-Fern	ı N	Nonsto	ocked	Sugar Maple White Pine	Low	>20 feet	Pole	
126	3103 - R	Rubus-Fern) N	Nonsto	ocked	Sugar Maple White Pine	Low Trace	>20 feet < 5 feet	Pole	
126	3103 - R	Rubus-Fern	n N	Vonsto	ocked	Sugar Maple White Pine	Low Trace	>20 feet < 5 feet No	Pole Sapling	
126	3103 - R	Rubus-Fern	ı N	Vonsto	ocked	Sugar Maple White Pine 1.1 Sub-Canopy Species	Low Trace Immature Density	>20 feet < 5 feet No Avg. Height	Pole Sapling Size	
126	3103 - R	Rubus-Fern	ı N	Nonsto	ocked	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry	Low Trace Immature Density Low	>20 feet < 5 feet No Avg. Height >20 feet	Pole Sapling Size Log	
126	3103 - R	Rubus-Fern	n N	Nonsto	ocked	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple	Low Trace Immature Density Low Low	>20 feet < 5 feet No Avg. Height >20 feet >20 feet	Pole Sapling Size Log Log	
126	42311 - Plante				ocked r Mediur	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple Red Maple Deciduous Saplings	Low Trace Immature Density Low Low Trace	>20 feet < 5 feet No Avg. Height >20 feet >20 feet >20 feet	Pole Sapling Size Log Log Pole	Valley/pond in the northeast corner of the stand. Spruce are quite variable in diameter. Stand was thinned in March 2017. Scattered
	42311 - Plante	d Spruce,	Mixed Polet	timbe		Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple Red Maple Deciduous Saplings	Low Trace Immature Density Low Low Trace Trace 111-140	>20 feet < 5 feet No Avg. Height >20 feet >20 feet >20 feet Variable	Pole Sapling Size Log Log Pole	
127	42311 - Plante Dec	d Spruce, iduous	Mixed Polet	timbe	r Mediur	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple Red Maple Deciduous Saplings m 7.9 61	Low Trace Immature Density Low Low Trace Trace 111-140	>20 feet < 5 feet No Avg. Height >20 feet >20 feet >20 feet Variable N/A	Pole Sapling Size Log Log Pole Sapling	variable in diameter. Stand was thinned in March 2017. Scattered
127	42311 - Plante Dec Canopy Species	d Spruce, iduous % Cove l	Mixed Polet	timbe	r Mediur	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple Red Maple Deciduous Saplings m 7.9 61 Sub-Canopy Species	Low Trace Immature Density Low Low Trace Trace 111-140 Density	>20 feet < 5 feet No Avg. Height >20 feet >20 feet >20 feet Variable N/A Avg. Height	Pole Sapling Size Log Log Pole Sapling	variable in diameter. Stand was thinned in March 2017. Scattered
127	42311 - Plante Dec Canopy Species Quaking Aspen	d Spruce, iduous % Cove	Mixed Polet Size Class Log/Pole	timbe	r Mediur	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple Red Maple Deciduous Saplings 7.9 61 Sub-Canopy Species White Spruce	Low Trace Density Low Low Trace Trace 111-140 Density Low	>20 feet < 5 feet No Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable	Pole Sapling Size Log Log Pole Sapling Size Sapling	variable in diameter. Stand was thinned in March 2017. Scattered
127	42311 - Plante Dec Canopy Species Quaking Aspen White Spruce	d Spruce, iduous **Cover** 15 65	Mixed Polet r Size Class Log/Pole Pole/Log	DBH 13 9	r Mediur	Sugar Maple White Pine 1.1 Sub-Canopy Species Black Cherry Sugar Maple Red Maple Deciduous Saplings 7.9 61 Sub-Canopy Species White Spruce	Low Trace Density Low Trace Trace Trace 111-140 Density Low	>20 feet < 5 feet No Avg. Height >20 feet >20 feet Variable N/A Avg. Height Variable	Pole Sapling Size Log Log Pole Sapling Size Sapling	variable in diameter. Stand was thinned in March 2017. Scattered



Stand	tand Level 4 Cover Type		S	Size Density			Acres Stand Age BA Range			Site	General Comments		
128	4319 - Mixed	Upland Fo	orest Sa	awtimb	er Well	15.4	97	81-110	N/A		Good deer winter cover, but little browse. A stream runs through the stand. Planted white spruce is in scattered patches. Trace amounts of		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	basswood. About 2/3 of the stand was thinned in March 2017.		
	Sugar Maple	5	Log/Pole	12		F	lemlock	Low	>20 feet	Pole			
	Red Maple	35	Log/Pole/XLog	15	97	F	lemlock	Medium	Variable	Sapling			
	Yellow Birch	3	Log	16		Ir	onwood	Low	>20 feet	Pole			
	Bigtooth Aspen	1	Log	14		Bla	ck Cherry	Trace	5 - 10 feet	Sapling			
	White Spruce	5	Log/Pole	10									
	Hemlock	30	Log/Pole/XLog	16									
	Black Cherry	10	Log	14									
	Quaking Aspen	1	Log/Pole	12									
No	rthern White Cedar	10	Log/Pole	10									
129	4110 - Sugar M	laple Asso	ociation Sav	wtimber	· Mediur	m 2.2	105	81-110	N/A		Small stand, adjacent to campground entrance.		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size			
	Sugar Maple	93	Log/Pole	12	105	Su	gar Maple	Low	Variable	Sapling			
	Black Cherry	5	Log/Pole	12		W	hite Ash	Low	Variable	Sapling			
	Ironwood	2	Pole	6		Ir	onwood	High	Variable	Sapling			
130	3103 - R	tubus-Fern	1	Nonsto	ocked	1.1			No				
						Sub-Ca	nopy Species	Density	Avg. Height	Size			
						Bla	ck Cherry	Trace	>20 feet	Log			
						Blackbe	erry/Raspberry	Low	< 5 feet	Tall Shrub			
						Decidu	ous Saplings	Low	Variable	Sapling			
						W	hite Pine	Low	>20 feet	Pole			
						R	ed Pine	Trace	>20 feet	Pole			
131	3301 - Low Densi	ity Deciduo	ous Trees	Nonsto	ocked	4.2	ı	Immature	No				
						Sub-Ca	nopy Species	Density	Avg. Height	Size			
						Su	gar Maple	Low	>20 feet	Log			
						Sug	gar Maple	Low	>20 feet	Pole			
						W	hite Pine	Low	Variable	Sapling			
						Decidu	ous Saplings	Low	Variable	Sapling			
						Bla	ck Cherry	Low	>20 feet	Log			
							asswood	Trace	>20 feet	Log			
					-	Honey	suckle (spp.)	Trace	< 5 feet	Tall Shrub			
							hite Pine	Trace	>20 feet	Log			
							lemlock	Trace	>20 feet	Log			
							king Aspen	Trace	>20 feet	Pole			
					L	~~~	g , .op o		, 20 .001	. 5.5			

Report 7 - Stands Traverse City Mgt. Unit



nd	Level 4 Co	S	Size Density		Acres Stand Age B	Range Managed Site		Site	General Comments	
2	3103 - R	lubus-Fern	ı	Nonst	ocked	1.6 I	mmature	No		Trees: basswood, black cherry, sugar maple, ironwood, quaking asp
						Sub-Canopy Species	Density	Avg. Height	Size	multing strubs, juneberry, nawthorn, autumn olive.
						Deciduous Saplings	Trace	Variable	Sapling	
						Mixed Fruiting Shrubs	Trace		Non-Wood	
						White Pine	Low	5 - 10 feet	Sapling	
						Basswood	Trace	>20 feet	Pole	
						Black Cherry	Low	>20 feet	Log	
						Quaking Aspen	Trace	>20 feet	Log	
						Ironwood	Trace	>20 feet	Pole	
3	4130	- Aspen	Pole	etimbe	r Mediu	ım 4.9 43		N/A		
Ca	anopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Su	ugar Maple	3	Pole/Sapling	7		Black Cherry	Medium	Variable	Sapling	
Am	merican Elm	3	Pole	7		Ironwood	Medium	Variable	Sapling	
В	Basswood	2	Log	15		Serviceberry (Juneberry)	Low	Variable	Tall Shrub	
	aking Aspen	50	Pole	6	43	Honeysuckle (spp.)	Medium	< 5 feet	Tall Shrub	
Qua	iditiing / topon					Comer Mente	Low	Variable	Sapling	
	gtooth Aspen	20	Pole	7		Sugar Maple	LOW	variable	Sapility	
Bigt		20	Pole Log	7		Sugar Maple	LOW	variable	Sapility	
Bigt W	gtooth Aspen					Sugar Maple	LOW	vanable	Saping	
Bigt W Bla	otooth Aspen White Pine lack Cherry 4119 - Mixed No	2 20 orthern Hard	Log Pole/Log/Sap dwoods Po	14 7	per Wel	I 18.1 90	81-110	N/A		Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Ca	gtooth Aspen White Pine llack Cherry 4119 - Mixed No anopy Species	2 20 orthern Hard % Cover	Log Pole/Log/Sap dwoods Po	14 7 Detimb	l Age	I 18.1 90 Sub-Canopy Species	81-110 Density	N/A Avg. Height	Size	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla	gtooth Aspen White Pine lack Cherry 4119 - Mixed No anopy Species lugar Maple	2 20 orthern Hard % Cover 55	Log Pole/Log/Sap dwoods Po Size Class Pole/Log	14 7 Deletimb		I 18.1 90 Sub-Canopy Species Ironwood	81-110 Density High	N/A Avg. Height Variable	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Can Su	gtooth Aspen White Pine lack Cherry 4119 - Mixed No anopy Species lugar Maple Red Maple	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole/Log Size Class Pole/Log Log/Pole	14 7 Dletimb 9 12	l Age	I 18.1 90 Sub-Canopy Species	81-110 Density	N/A Avg. Height	Size	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla	gtooth Aspen White Pine lack Cherry 4119 - Mixed No anopy Species sugar Maple Red Maple Basswood	2 20 orthern Hard 55 10 20	Log Pole/Log/Sap dwoods Pole/Log Log/Pole Log/Pole	14 7 Dletimb 9 12 12	l Age	I 18.1 90 Sub-Canopy Species Ironwood	81-110 Density High	N/A Avg. Height Variable	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla	gtooth Aspen White Pine llack Cherry 4119 - Mixed No anopy Species lugar Maple Red Maple Basswood laking Aspen	2 20 orthern Hard % Cover 55 10 20 3	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole	14 7 DBH 9 12 12	90	I 18.1 90 Sub-Canopy Species Ironwood	81-110 Density High	N/A Avg. Height Variable	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Car Su R B Qua Bigt	gtooth Aspen White Pine lack Cherry 4119 - Mixed No anopy Species fugar Maple Red Maple Basswood laking Aspen gtooth Aspen	2 20 orthern Hard % Cover 55	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Log/Pole	14 7 DBH 9 12 12 12 12	l Age	I 18.1 90 Sub-Canopy Species Ironwood	81-110 Density High	N/A Avg. Height Variable	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Car Su R B Qua Bigt	gtooth Aspen White Pine llack Cherry 4119 - Mixed No anopy Species lugar Maple Red Maple Basswood laking Aspen	2 20 orthern Hard % Cover 55 10 20 3	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole	14 7 DBH 9 12 12	90	I 18.1 90 Sub-Canopy Species Ironwood	81-110 Density High	N/A Avg. Height Variable	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Car Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 orthern Hard % Cover 55	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 DBH 9 12 12 12 12	90 90 61	Sub-Canopy Species Ironwood Sugar Maple	81-110 Density High	N/A Avg. Height Variable	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	Sub-Canopy Species Ironwood Sugar Maple	81-110 Density High Low	N/A Avg. Height Variable >20 feet	Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	I 18.1 90 Sub-Canopy Species Ironwood Sugar Maple 4.4	81-110 Density High Low	N/A Avg. Height Variable >20 feet	Size Sapling Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	Sub-Canopy Species Ironwood Sugar Maple 4.4 Sub-Canopy Species	81-110 Density High Low mmature Density	N/A Avg. Height Variable >20 feet No Avg. Height	Size Sapling Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	I 18.1 90 Sub-Canopy Species Ironwood Sugar Maple 4.4 I Sub-Canopy Species Black Cherry	81-110 Density High Low mmature Density Low	N/A Avg. Height Variable >20 feet No Avg. Height	Size Sapling Sapling Size Sapling	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	Sub-Canopy Species Ironwood Sugar Maple 4.4 Sub-Canopy Species Black Cherry Bracken Fern	81-110 Density High Low mmature Density Low Full	N/A Avg. Height Variable >20 feet No Avg. Height Variable	Size Sapling Sapling Size Sapling Non-Wood	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	Sub-Canopy Species Ironwood Sugar Maple 4.4 Sub-Canopy Species Black Cherry Bracken Fern Red Maple	81-110 Density High Low mmature Density Low Full Trace	N/A Avg. Height Variable >20 feet No Avg. Height Variable >20 feet	Size Sapling Sapling Size Sapling Non-Wood Log	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	1 18.1 90 Sub-Canopy Species Ironwood Sugar Maple 4.4 Sub-Canopy Species Black Cherry Bracken Fern Red Maple Rock Elm	81-110 Density High Low mmature Density Low Full Trace Trace	N/A Avg. Height Variable >20 feet No Avg. Height Variable >20 feet >20 feet	Size Sapling Sapling Size Size Sapling Non-Wood Log Pole	Some phellinus in aspen. 2021 BAs: 120, 130, 110, 50; mean 103. Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	Sub-Canopy Species Ironwood Sugar Maple 4.4 Sub-Canopy Species Black Cherry Bracken Fern Red Maple Rock Elm Scotch Pine	mmature Density Low Density Low Trace Trace Trace	N/A Avg. Height Variable >20 feet No Avg. Height Variable >20 feet >20 feet Variable	Size Sapling Size Sapling Size Sapling Non-Wood Log Pole Sapling	Scattered white pine.
Bigt W Bla 4 Cal Su R B Qua Bigt	gtooth Aspen White Pine White Pine Water Pin	2 20 20 20 20 20 20 20 20 20 20 20 20 20	Log Pole/Log/Sap dwoods Pole Size Class Pole/Log Log/Pole Log/Pole Log/Pole Log/Pole Pole	14 7 Dletimb 9 12 12 12 12 7	90 90 61	4.4 Sub-Canopy Species Ironwood Sugar Maple 4.4 Sub-Canopy Species Black Cherry Bracken Fern Red Maple Rock Elm Scotch Pine Black Cherry	81-110 Density High Low Market State Sta	N/A Avg. Height Variable >20 feet No Avg. Height Variable >20 feet Variable >20 feet >20 feet Variable >20 feet	Size Sapling Sapling Size Sapling Non-Wood Log Pole Sapling Pole	Scattered white pine.

Quaking Aspen

White Spruce

Black Cherry

Sugar Maple

White Pine

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35

30

30

4

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Report 7 - Stands

Compartment: 14 Year of Entry: 2023



	nd Level 4 Cover Type									Year of Entry: 2023	
tand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
36	122 - Road	d/Parking Lot		Nonsto	Nonstocked			Immature	No		Goose Road and connecting dirt road
37	4110 - Sugar N	Maple Asso	ciation	Sawtimber Well		3.4	3.4 115 1		N/A		2021 BA = 110.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	80	Log/Pole	11	115	Sug	gar Maple	Medium	>20 feet	Sapling	
	Basswood	5	Log	16		Н	emlock	Low	>20 feet	Pole	
	Bigtooth Aspen	10	Log/XLog	16		Irc	onwood	Medium	Variable	Sapling	
	Black Cherry	5	Log/Pole	11		E	Beech	Low	Variable	Sapling	
38	310 - Herbac	eous Open	land	Nonsto	cked	7.0			No		Shrubs include black cherry, juneberry, honeysuckle, and hawthorn.
						Sub-Ca	nopy Species	Density	Avg. Height	Size	
						Mixed Fr	ruiting Shrubs	Low		Non-Wood	
						Blac	ck Cherry	Low	>20 feet	Pole	
						Common O	r Ground Junip	er Trace	< 5 feet	Tall Shrub	
						Ro	ock Elm	Trace	>20 feet	Pole	
						Re	d Maple	Trace	>20 feet	Pole	
						Ame	erican Elm	Trace	>20 feet	Pole	
39	6132 - Mixed Lowla	and Forest	with Cedar S	awtimber	ber Mediı	m 22.8	76	141-170	N/A		The Platte River and an old RR grade run through the stand. There is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	small opening along the east side of the river with a lot of autumn oliv and some pole-sized white spruce. Small amounts of balsam poplar,
	Red Maple	5	Pole/Log	9		Northern	Nhite Cedar	Medium	>20 feet	Pole	cherry, sugar maple and super canopy white pine. Good deer winter
	Quaking Aspen	45	Log/Pole	13	76	H	emlock	Low	Variable	Sapling	cover, but little browse. QA in decline.
Noi	rthern White Cedar	25	Pole/Log	8	107	Autu	umn Olive	Low	5 - 10 feet	Tall Shrub	
	Hemlock	20	Pole/Log	9		Н	emlock	Low	>20 feet	Pole	
	Bigtooth Aspen	2	Log	14		Та	ag Alder	Low	5 - 10 feet	Tall Shrub	
	White Pine	3	XLog/Log	22							-
40	4191 - Mixed Upla Co	and Decidu onifer	ous with P	oletimber	Mediu	m 6.1	57	81-110	N/A		Mostly aspen to SW, spruce is concentrated to NE, young maple at S tip. Scattered old apple trees and fruiting shrubs: juneberry, autumn
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	olive, hawthorn, sumac.
	.,,,						. , .				1

Low

Low

Low

Low

Variable

>20 feet

5 - 10 feet

Variable

8

12

8

5

18

57

Black Cherry

Sugar Maple

Deciduous Shrubs

White Spruce

Pole

Log/Pole

Pole/Log/Sap

Pole/Sapling

XLog

Sapling

Sapling

Tall Shrub

Sapling

Traverse City Mgt. Unit Report 7 - Stands



Stand	Level 4 C	over Type	S	Size De	nsity	Acres	Stand Age	BA Range	Managed	Site	General Comments
141	4130	- Aspen	Po	oletimb	er Wel	12.2	38	Unspecified	N/A		The snowmobile trail runs through this stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	
	Sugar Maple	10	Pole/Sapling	6		Su	gar Maple	Low	Variable	Sapling	
	Red Maple	3	Pole/Sapling	6		lı	ronwood	High	Variable	Sapling	
	Quaking Aspen	33	Pole/Sapling	6	38	W	hite Pine	Low	Variable	Sapling	
	Bigtooth Aspen	40	Pole/Sapling	7	38						
	White Pine	10	Log/Pole/XLog	15							
	Black Cherry	2	Pole	7							
	Ironwood	2	Pole/Sapling	5							
142	4130	- Aspen	Sa	awtimb	er Well	9.6	60	81-110	N/A		Riparian area: Platte River floodplain. Stand has scattered elm, red pine
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	s Density	Avg. Height	Size	white pine. Cedar and hemlock are concentrated along the river.
	Red Maple	20	Pole/Log	9		R	ed Maple	Medium	Variable	Sapling	
	Quaking Aspen	60	Log/Pole	11	60	V	/hite Ash	Low	Variable	Sapling	
No	rthern White Cedar	8	Log/Pole	12		Norther	n White Cedar	r Medium	>20 feet	Pole	
	Hemlock	3	Log/Pole	11		Т	ag Alder	Low	5 - 10 feet	Tall Shrub	
	Black Cherry	8	Pole/Log	8		Mixed F	Fruiting Shrubs	Low	Unspecified	Non-Wood	
	White Ash	1	Pole	6							
143	310 - Herbac	eous Oper	nland	Nonsto	cked	1.1		Immature	No		
					•	Sub-Ca	anopy Specie	s Density	Avg. Height	Size	
						Honey	/suckle (spp.)	Low	< 5 feet	Tall Shrub	
						Bla	ack Cherry	Trace	Variable	Sapling	
						Bla	ack Cherry	Low	>20 feet	Pole	
144	500 -	- Water		Nonsto	cked	1.7			No		Platte River
145	4110 - Sugar N			vtimber		m 36.0	80	81-110	N/A		Stand has medium to low quality timber; some small openings; scattered elm, white pine and red maple; and some good patches of sugar maple
	Canopy Species		Size Class		Age		anopy Specie	s Density	Avg. Height	Size	regeneration. 2021 BAs: 90, 100, 140, 60, 90, 90; mean 95.
	Sugar Maple	60	Log/Pole	10	80	Su	gar Maple	Medium	Variable	Sapling	
	Basswood	33	Log/Pole	13		lı	ronwood	High	Variable	Sapling	
	Quaking Aspen	2	Log	11							
	Black Cherry	5	Log	14							



146	Stand	nd Level 4 Cover Type		e Size Density			Acres Stand Age BA	Managed S	Site	General Comments	
Sugar Maple	146	4116 - Mixed N.	Hardwood	- Aspen	Sawtimb	er Well	12.8 90	81-110	N/A		2021 BAs: 80, 110, 110, 130; mean 108.
Red Maple 5 LogPole 10 Variable Sugar Maple Low Variable Sapling White Pine Low Variable Sapling Variable Sapling Variable Sapling Variable Sapling Variable		Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Basswood 20 LogPole 10 10 White Pine Low Variable Sapling		Sugar Maple	46			90		High		Sapling	
Clasking Aspan 5		Red Maple	5	Log/Pole	10		Sugar Maple	Low	>20 feet	Sapling	
Bighorth Aspen		Basswood	20	Log/Pole	10		White Pine	Low	Variable	Sapling	
White Pine		Quaking Aspen	5	Log/Pole	11	54					
Black Cherry 2 Log/Pole 10 Ironwood 2 Pole 6 Ironwood 2 Pole 6 Ironwood		Bigtooth Aspen	15	Log/Pole	13	54					
147		White Pine	5	Log/Pole	13						
Auto- Sugar Maple Association Poletimber Well 3.6 60 81-110 N/A Sub-Canopy Species Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Ironwood Low Variable Sapling Size Sapling		Black Cherry	2	Log/Pole	10						
Canopy Species Year Cover Size Class DBH Age Sub-Canopy Species Sugar Maple 72 Pole/Log 9 60 12 15 17 17 17 18 18 19 19 19 19 19 19		Ironwood	2	Pole	6						
Supersided Sup	147	4110 - Sugar N	Maple Asso	ciation	Poletimb	er Well	3.6 60	81-110	N/A		
Sugar Maple 72		Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Bigtooth Aspen 15			72	Pole/Log			Ironwood	Low	Variable	Sapling	diameters increased slightly.
148 3301 - Low Density Deciduous Trees		Red Maple	3	Pole	9					1	
3301 - Low Density Deciduous Trees Nonstocked 2.9 Immature No Deciduous trees = ironwood, maple, cherry, and aspen.		Bigtooth Aspen	15	Log/Pole	12						
Sub-Canopy Species Density Avg. Height Size Low Variable Sapling Sapli		Black Cherry	10	Log	15						
Black Cherry Trace >20 feet Pole	148	3301 - Low Dens	ity Deciduo	us Trees	Nonst	оскеа	Sub-Canopy Species		Avg. Height	_	Deciduous trees = ironwood, mapie, cherry, and aspen.
White Pine Trace >20 feet Log Quaking Aspen Low >20 feet Pole Deciduous Saplings Low Variable Sapling Sapling Low Sugar Maple Low Sub-Canopy Species Density Avg. Height Size Sapling Size Sapling Sugar Maple Low Sugar Maple Sugar Maple Low Sugar Maple Sugar Maple Low Sugar Maple Sugar Maple Sugar Maple Sugar Maple Sugar Maple Sugar Maple Low Sugar Maple Sug							White Pine	Low	Variable	Sapling	
Quaking Aspen							•	Trace		Pole	
Deciduous Saplings Low Variable Sapling Basswood Trace >20 feet Log Sugar Maple Low >20 feet Log 149 4130 - Aspen Sapling Well 21.5 17 Immature N/A Canopy Species % Cover Size Class DBH Age Sugar Maple 2 Log/Pole 12 Black Cherry Medium 5 - 10 feet Sapling Quaking Aspen 55 Sapling 3 17 Bigtooth Aspen 35 Sapling 3 17 Black Cherry 8 Sapling 5 Fole 7 Northern White Cedar Low Variable Sapling Northern White Cedar Low Variable Sapling Northern White Cedar Low 10 - 20 feet Tall Shrub								Trace		_	
Basswood Trace >20 feet Log								Low			
Sugar Maple Low >20 feet Log 149 4130 - Aspen Sapling Well 21.5 17 Immature N/A Canopy Species % Cover Size Class DBH Age Sub-Canopy Species Density Avg. Height Size Sugar Maple 2 Log/Pole 12 Black Cherry Medium 5 - 10 feet Sapling Quaking Aspen 55 Sapling 3 17 Honeysuckle (spp.) Low < 5 feet Tall Shrub Bigtooth Aspen 35 Sapling 3 17 Ironwood Low Variable Sapling Black Cherry 8 Sapling 3 17 Black Cherry Medium 5 - 10 feet Sapling Avg. Height Size N/A Small access site at Platte River x Haze Rd. Canopy Species % Cover Size Class DBH Age Red Maple 5 Pole 7 Northern White Cedar Low Variable Sapling Northern White Cedar 40 Pole/Log 8 Hemlock Medium Variable Sapling Northern White Cedar 40 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub											
149 4130 - Aspen Sapling Well 21.5 17 Immature N/A Canopy Species % Cover Size Class DBH Age Sugar Maple 2 Log/Pole 12 Black Cherry Medium 5 - 10 feet Sapling Honeysuckle (spp.) Low < 5 feet Tall Shrub Sapling Black Cherry 8 Sapling 3 17 Ironwood Low Variable Sapling Black Cherry 8 Sapling 3 17 B150 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 N/A Small access site at Platte River x Haze Rd. Canopy Species % Cover Size Class DBH Age Red Maple 5 Pole 7 Northern White Cedar 40 Pole/Log 8 Hemlock Medium Variable Sapling Tag Alder Low 10 - 20 feet Tall Shrub Sapling Size Tag Alder Low 10 - 20 feet Tall Shrub Sapling Sapling Tag Alder Low 10 - 20 feet Tall Shrub Sapling Tag Alder Low 10 - 20 feet Tall Shrub								Trace		Log	
Canopy Species % Cover Size Class DBH Age Sugar Maple							Sugar Maple	Low	>20 feet	Log	
Sugar Maple 2 Log/Pole 12 Black Cherry Medium 5 - 10 feet Sapling Quaking Aspen 55 Sapling 3 17 Honeysuckle (spp.) Low < 5 feet Tall Shrub Bigtooth Aspen 35 Sapling 3 17 Black Cherry 8 Sapling 3 17 Black Cherry 8 Sapling 3 17 T50 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 N/A Small access site at Platte River x Haze Rd. Canopy Species % Cover Size Class DBH Age Red Maple 5 Pole 7 Northern White Cedar Low Variable Sapling Northern White Cedar 40 Pole/Log 8 Hemlock Medium Variable Sapling Tag Alder Low 10 - 20 feet Tall Shrub	149	4130	- Aspen		Saplin	g Well	21.5 17 In	nmature	N/A		
Quaking Aspen 55 Sapling 3 17 Bigtooth Aspen 35 Sapling 3 17 Black Cherry 8 Sapling 3 17 To 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 Canopy Species % Cover Size Class DBH Age Red Maple 5 Pole 7 Northern White Cedar 5 Pole/Log 8 Northern White Cedar 40 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub Sapling Honeysuckle (spp.) Low < 5 feet Tall Shrub Sapling Now Variable Sapling Northern White Cedar Low Variable Sapling Northern White Cedar 40 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub		Canopy Species	% Cover	Size Class		l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Bigtooth Aspen 35 Sapling 3 17 Black Cherry 8 Sapling 3 17 150 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 Canopy Species 6 Cover Size Class DBH Age Red Maple 5 Pole 7 Northern White Cedar Low Variable Sapling Northern White Cedar 40 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub		Sugar Maple		Log/Pole	12		Black Cherry	Medium	5 - 10 feet	Sapling	
Black Cherry 8 Sapling 3 17 150 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 N/A Small access site at Platte River x Haze Rd. Canopy Species 6 Cover Size Class DBH Age Red Maple 5 Pole 7 Northern White Cedar Low Variable Sapling Yellow Birch 5 Pole/Log 8 Hemlock Medium Variable Sapling Northern White Cedar 40 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub		Quaking Aspen	55	Sapling	3	17	Honeysuckle (spp.)	Low	< 5 feet	Tall Shrub	
150 6129 - Mixed Coniferous Lowland Forest Sawtimber Medium 1.0 125 N/A Small access site at Platte River x Haze Rd. Canopy Species		Bigtooth Aspen	35	Sapling	3	17	Ironwood	Low	Variable	Sapling	
Canopy Species% Cover Size ClassDBH AgeSub-Canopy SpeciesDensityAvg. HeightSizeRed Maple5Pole7Northern White CedarLowVariableSaplingYellow Birch5Pole/Log8HemlockMediumVariableSaplingNorthern White Cedar40Pole/Log8Tag AlderLow10 - 20 feetTall Shrub		Black Cherry	8	Sapling	3	17					
Red Maple5Pole7Northern White CedarLowVariableSaplingYellow Birch5Pole/Log8HemlockMediumVariableSaplingNorthern White Cedar40Pole/Log8Tag AlderLow10 - 20 feetTall Shrub	150	6129 - Mixed Conif	erous Lowl	and Forest S	Sawtimbe	r Mediur	m 1.0 125		N/A		Small access site at Platte River x Haze Rd.
Yellow Birch5Pole/Log8HemlockMediumVariableSaplingNorthern White Cedar40Pole/Log8Tag AlderLow10 - 20 feetTall Shrub		Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Northern White Cedar 40 Pole/Log 8 Tag Alder Low 10 - 20 feet Tall Shrub		Red Maple	5	Pole	7		Northern White Cedar	Low	Variable	Sapling	
		Yellow Birch	5	Pole/Log	8		Hemlock	Medium	Variable	Sapling	
Hemlock 50 Log/Pole 12 125	No	rthern White Cedar	40	Pole/Log	8		Tag Alder	Low	10 - 20 feet	Tall Shrub	
		Hemlock	50	Log/Pole	12	125					•



Stand	,,			Size De	e Density Acres Stand A			BA Range	Managed S	Site	General Comments	
151	4130	- Aspen		Sapling	y Well	37.3	17	Immature	N/A		2-storied stand: residual white pine over aspen regeneration.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Maple	2	Log/Pole	11		Iro	onwood	High	Variable	Sapling		
	Quaking Aspen	70	Sapling	2	17	Blac	ck Cherry	Low	Variable	Sapling		
	Bigtooth Aspen	16	Sapling	3	17	I	Beech	Low	Variable	Sapling		
	White Pine	10	Log/Pole	12								
	Black Cherry	2	Sapling	3	17							
152	4130	- Aspen		Sapling	y Well	14.5	17	Immature	N/A		There are some open patches with only ironwood seedlings, but the rest	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	of the stand is well stocked with aspen regeneration. Scattered residuals: mixed hardwoods and white pine. The small patch of older	
	Sugar Maple	2	Log/Pole	12		Iro	onwood	High	< 5 feet	Seeding	timber along the south edge of the stand was intended to be left long-	
	Quaking Aspen	12	Sapling	2	17	Blac	ck Cherry	Low	Variable	Sapling	term as a residual cover patch for grouse and other wildlife as the	
	Bigtooth Aspen	80	Sapling	3	17						surrounding stands are harvested (site condition 5E-17).	
	White Pine	2	Log/Pole	12								
	Ironwood	4	Sapling	1								
153		iduous	•	awtimb		1.4	75	141-170	N/A		This stand is a cover island left as retention for the surrounding stand cut in 2004.	
	Canopy Species		Size Class		l Age		nopy Species		Avg. Height	Size		
	Sugar Maple	10	Log/Pole	10			ar Maple	Low	Variable	Sapling		
	Basswood	10	Log/Pole	10	L	Iro	onwood	Medium	Variable	Sapling		
	Quaking Aspen	10	Log/Pole	13								
	White Pine	65	Log/Pole/XLog		75							
	Black Cherry	5	Log/Pole	12								
154	310 - Herbac	eous Open	land	Nonsto	cked	1.2			No			
							nopy Species	Density	Avg. Height	Size		
						Mixed F	ruiting Shrubs	Trace		Non-Wood		
						Decidu	ous Saplings	Trace		Sapling		
155	4130	- Aspen	Pol	etimbei	Medium	n 71.6	38 l	Jnspecified	N/A		The stand has scattered elm, basswood, white pine, juneberry, and hawthorn.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	nawnom.	
	Sugar Maple	4	Pole/Sap/Log			Sug	jar Maple	Low	Variable	Sapling		
	Red Maple	2	Pole/Sap/Log	7		Iro	onwood	High	Variable	Sapling		
	Quaking Aspen	30	Pole	7	38							
	Bigtooth Aspen	55	Pole	7	38							
	Black Cherry	6	Pole	7								
	Ironwood	2	Pole/Sapling	5								
	Basswood	1	Log/Pole	10								



Stand	I Level 4 C	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
156	6118 - Lowland D	eciduous w	rith Cedar	Sawtimb	er Poor	53.9	65	51-80	N/A		There are some old apple trees in the SE lobe of the stand. Patchy
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	distribution of timber, lots of mortality.
	Red Maple	2	Pole/Log	9		Northerr	White Cedar	Low	Variable	Sapling	
	Yellow Birch	2	Log/Pole	12		Northerr	White Cedar	Medium	>20 feet	Pole	
	Basswood	1	Log	13		Ta	ag Alder	Medium	10 - 20 feet	Tall Shrub	
	Quaking Aspen	55	Log/Pole	11	65						
No	rthern White Cedar	25	Pole/Log	9	126						
	Hemlock	4	Log/Pole	12							
	Balsam Poplar	10	Pole/Log	8	44						
	White Pine	1	Log	12							
157	42201 - Natural Dec	White Pine iduous	, Mixed	Sawtimb	er Well	1.1	75	141-170	N/A		This stand is a cover island left as retention for the surrounding stand cut in 2004.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	5	Log/Pole	10		WI	nite Pine	Low	Variable	Sapling	
	Basswood	10	Log/Pole	11		Ire	onwood	High	Variable	Sapling	
	Quaking Aspen	5	Log	12							
	Bigtooth Aspen	10	Log/Pole	11							
	White Pine	65	Log/Pole	13	75						
	Black Cherry	5	Pole/Log	9							
158	4130	- Aspen	Po	oletimbe	r Medium	n 26.1	38 U	nspecified	N/A		The snowmobile trail runs through this stand. Scattered white pine.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	3	Pole/Sap/Lo	g 7		Bla	ck Cherry	Low	5 - 10 feet	Sapling	
	Red Maple	2	Pole	6		Ire	onwood	High	Variable	Sapling	
	Quaking Aspen	28	Pole/Sapling	g 7	38	Ma	ole (spp.)	Low	Variable	Sapling	
	Bigtooth Aspen	60	Pole	7	38						
	Black Cherry	5	Pole/Sapling	g 7							
	Ironwood	2	Pole/Sapling	g 5							
159	4130	- Aspen		Saplin	g Well	18.1	17 I	mmature	N/A		Most of the stand is well stocked. The small patch of older timber in the
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	SE corner is intended to be left long-term as a residual cover patch for grouse and other wildlife as surrounding stands are harvested (site
	Sugar Maple	2	Log	12			onwood	Low	Variable	Sapling	condition 5E-14).
	Quaking Aspen	16	Sapling	2	17			-			,
	Bigtooth Aspen	80	Sapling	3	17						
	White Pine	2	Log	14							
			<u> </u>								



Stand	Level 4 Co	over Type	s	ize De	nsity	Acres	Stand Age I	BA Range	Managed \$	Site	General Comments
160	4130	- Aspen	Po	oletimb	er Poor	57.1	38		N/A		Poorly stocked, brushy.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	5	Pole/Sapling	6		Blac	k Cherry	Medium	Variable	Sapling	
	American Elm	2	Pole	8		Honeys	suckle (spp.)	High	5 - 10 feet	Tall Shrub	
(Quaking Aspen	63	Pole/Sapling	7	38	Hawth	norn (spp.)	Low	5 - 10 feet	Tall Shrub	
ı	Bigtooth Aspen	10	Pole	8	38	Suga	ar Maple	Low	Variable	Sapling	
	Black Cherry	20	Pole/Sapling	7							
161	4130	- Aspen	Sa	apling I	Medium	14.2	7	Immature	N/A		Clearcut in spring of 2014; scattered residual trees: mostly sugar maple,
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	but also some cherry, basswood, red maple, white pine.
	Bigtooth Aspen	20	Sapling	1	7	Iro	nwood	Medium	< 5 feet	Seeding	
	Black Cherry	10	Sapling	1	7	Honeys	suckle (spp.)	Low	< 5 feet	Tall Shrub	
	Sugar Maple	3	Log	12							1
(Quaking Aspen	67	Sapling	1	7						
162	4130	- Aspen	Pole	etimbe	r Mediur	m 130.4	34	Immature	N/A		Variable density; some frost pockets.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Sugar Maple	2	Pole	7			k Cherry	High	Variable	Sapling	
(Quaking Aspen	33	Pole	6	34	Iro	nwood	Medium	Variable	Sapling	
	Bigtooth Aspen	55	Pole	7	34	Wh	ite Pine	Low	Variable	Sapling	
	White Pine	4	Log/Pole	13	<u> </u>						1
	Black Cherry	4	Pole	7							
	Ironwood	2	Pole/Sapling	6							
163	4130	- Aspen	Pole	etimbe	Mediur	m 21.9	25	Immature	N/A		Much of the stand is well stocked with maple. Consider managing parts
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	Density	Avg. Height	Size	of the stand long-term for hardwoods.
	Sugar Maple	7	Sapling/Pole	3			ar Maple	Medium	Variable	Sapling	
(Quaking Aspen	40	Pole/Sapling	5	25	Blac	k Cherry	Medium	Variable	Sapling	
	Bigtooth Aspen	45	Pole/Sapling	6	25	Iro	nwood	High	Variable	Sapling	
	Black Cherry	6	Sapling/Pole	4		Servicebe	rry (Juneberry		Variable	Tall Shrub	
	Ironwood	2	Sapling	3			uckle (spp.)	Low	5 - 10 feet	Tall Shrub	
164	4110 - Sugar M	laple Assoc	ciation Sa	awtimb	er Well	10.8	90	81-110	N/A		2021 BA about 90.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Car	nopy Species	S Density	Avg. Height	Size	
	Sugar Maple	50	Log/Pole	10	90		ar Maple	Low	Variable	Sapling	
	Red Maple	5	Log/Pole	11			nwood	Full	Variable	Sapling	
	Basswood	33	Log/Pole	11						, , ,	
(Quaking Aspen	5	Log/Pole	12							
(Quaking Aspen Black Cherry	5	Log/Pole Pole/Log	12							

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Compartment: 14 Year of Entry: 2023 DNR DNR

General Comments Stand **Level 4 Cover Type** Size Density Acres Stand Age BA Range **Managed Site** 3301 - Low Density Deciduous Trees Nonstocked 13.8 **Immature** No The snowmobile trail runs through this stand. 165 **Sub-Canopy Species** Avg. Height Size **Density** Hawthorn (spp.) 5 - 10 feet Tall Shrub Trace Sugar Maple Trace >20 feet Pole Quaking Aspen Medium >20 feet Pole White Pine Low >20 feet Loa >20 feet Pole Black Cherry Low Bigtooth Aspen Trace >20 feet Loa Low Variable Sapling Aspen (spp.) Ironwood Trace >20 feet Pole Black Cherry Low Variable Sapling 4110 - Sugar Maple Association Poletimber Medium 31.5 98 51-80 N/A This stand is a mosaic of mature quaking aspen, older hardwoods, and 166 hardwood regeneration patches. East end is on a steep slope. Size **DBH Age Canopy Species** % Cover Size Class **Sub-Canopy Species** Density Avg. Height Sugar Maple 60 Pole/Sap/Log 7 98 Sugar Maple High Variable Sapling 2 8 American Elm Pole/Loa Ironwood High Variable Sapling Basswood 15 Log/Pole 13 Quaking Aspen 10 Pole/Log 9 64 Black Cherry 8 11 Log/Pole 5 5 Ironwood Pole/Sapling 4130 - Aspen 22.0 38 N/A 167 Poletimber Medium The stand has scattered American elm, sugar maple, red maple and rock elm pole-sized trees. **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species** Density Avg. Height Size Quaking Aspen Pole/Sapling 7 38 Sugar Maple Variable Sapling 90 Low Bigtooth Aspen 5 Pole 8 38 **Black Cherry** High Variable Sapling 7 Black Cherry 3 Pole Honeysuckle (spp.) High 5 - 10 feet Tall Shrub Rock Elm 2 Pole 7 Autumn Olive 5 - 10 feet Tall Shrub Trace White Ash Low Variable Sapling 4130 - Aspen 168 Poletimber Well 1.8 34 **Immature** N/A **Canopy Species** % Cover Size Class **DBH Age Sub-Canopy Species Density** Avg. Height Size Quaking Aspen Pole 6 34 Black Cherry Medium Variable Sapling 5 Bigtooth Aspen 90 Pole 6 34 Ironwood Low Variable Sapling White Pine 2 12 Log/Pole White Pine Low Variable Sapling 3 7 Black Cherry Pole



Stand		over Type		Size De	ensity	Acres Sta	nd Age B	A Range	Managed 9	Site	General Comments
169	4130	- Aspen	;	Sapling I	Medium	21.4	17 I	mmature	N/A		Bigtooth aspen is doing better than quaking aspen. Black cherry is
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canop	y Species	Density	Avg. Height	Size	slowly filling in areas devoid of aspen regeneration. The small patch of older timber in the NE corner is intended to be left long-term as a residual
	Sugar Maple	3	Log	12		Black C	nerry	Medium	< 5 feet	Seeding	cover patch for grouse and other wildlife as surrounding stands are
	Quaking Aspen	35	Sapling	2	17	Ironwo	ood	Medium	Variable	Sapling	harvested (site condition 5E-19).
	Bigtooth Aspen	50	Sapling	3	17	Honeysuck	le (spp.)	Low	< 5 feet	Tall Shrub	
	Black Cherry	12	Sapling	2	1						
170	4110 - Sugar M	laple Assoc	ciation	Poletimb	er Well	15.5	92	111-140	N/A		Fair to good quality sugar maple & basswood; aspen is old and
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canop	y Species	Density	Avg. Height	Size	declining. Stand has small amounts of red maple, beech, and ironwood. 2021 BA about 110, variable.
	Sugar Maple	70	Pole/Log	8	92	Sugar N	laple	Medium	Variable	Sapling	2021 Britabout 110, variable.
	Basswood	20	Log/Pole	13		Ironwo	od	Low	>20 feet	Pole	
	Bigtooth Aspen	8	Log	14		Ironwo	od	High	Variable	Sapling	
	Black Cherry	2	Pole	7							
171	4130	- Aspen	Po	oletimbe	r Mediui	m 30.5	38 U	nspecified	N/A		Small amounts of elm and white pine in the stand.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canop	y Species	Density	Avg. Height	Size	
	Sugar Maple	5	Sapling/Pole	e 4		Sugar N	laple	Medium	Variable	Sapling	
	Quaking Aspen	55	Pole	7	38	Black C	nerry	Medium	Variable	Sapling	
	Bigtooth Aspen	15	Pole	8	38	Ironwo	ood	High	Variable	Sapling	
	Black Cherry	20	Pole/Sapling	g 7		Serviceberry (Juneberry)	Low	Variable	Tall Shrub	
	Ironwood	5	Sapling/Pole	e 4		Honeysuck	e (spp.)	Low	< 5 feet	Tall Shrub	
172	4130	- Aspen	!	Poletimb	er Well	14.1	46		N/A		Much of the stand is on a sidehill. The top of the hill has more
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Canop	y Species	Density	Avg. Height	Size	hardwoods, the slope and base have more aspen.
	Sugar Maple	15	Pole/Sapling	g 6		Sugar N	laple	Medium	Variable	Sapling	
	Red Maple	5	Pole/Sapling	g 7		Ironwo	od	High	Variable	Sapling	
	Quaking Aspen	15	Pole/Log	8		Red M	aple	Low	Variable	Sapling	
	Bigtooth Aspen	55	Pole/Log	8	46					1	
	Black Cherry	5	Pole	8							
	Ironwood	5	Sapling/Pole	e 4							
173	310 - Herbac	eous Open	land	Nonsto	ocked	3.8			No		Shrubs include hawthorn, juneberry, honeysuckle, black cherry, and
						Sub-Canop	y Species	Density	Avg. Height	Size	autumn olive.
					Ī	Rock I	-Im	Trace	>20 feet	Log	
					l	Missa al Enstitu	01 1	1		NI VAII	
					I	Mixed Fruitir	g Snrubs	Low		Non-Wood	



	Stand Level 4 Cover Type		Si	ze De	nsity	Acres Stand Age B	A Range	Managed S	Site	General Comments	
174	6117 - Lowland [Conit	Deciduous ferous	, Mixed Saw	timbei	· Mediu	m 14.6 77		N/A		This stand surrounds the Veterans Memorial campground. Riparian area, along the Platte river. Stand is transitional between upland along	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	the highway and lowland along the river floodplain. Scattered yellow birch, white pine, black willow.	
	Sugar Maple	15	Log/Pole	12		Northern White Cedar	Low	>20 feet	Pole	blioti, write pine, black willow.	
	American Elm	1	Pole	7		Black Ash	Medium	Variable	Sapling		
	Red Maple	35	Log/Pole	10	77	Black Cherry	Low	Variable	Sapling		
	Basswood	8	Log/Pole/XLog	11		Sugar Maple	Low	Variable	Sapling		
	Quaking Aspen	15	Pole/Log	9		Tag Alder	Low	5 - 10 feet	Tall Shrub		
No	orthern White Cedar	15	Pole/Log	8		Beech	Low	Variable	Sapling		
	Hemlock	10	Log/Pole/XLog	12		Hemlock	Medium	>20 feet	Pole		
	Black Cherry	1	Log	12		Hawthorn (spp.)	Trace	5 - 10 feet	Tall Shrub		
175	310 - Herbace	eous Open	land N	Nonsta	ocked	5.0 lı	mmature	No		This is an abandoned borrow pit, rather sterile. Aspens are of very poor	
					,	Sub-Canopy Species	Density	Avg. Height	Size	form. Site was furrowed then planted to JP by volunteers, but survival was poor.	
						Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub	was poor.	
						Balsam Poplar	Low	Variable	Seeding		
						Common Or Ground Junipe	er Trace	< 5 feet	Tall Shrub		
						Quaking Aspen	Low	Variable	Sapling		
						Scotch Pine	Trace	10 - 20 feet	Pole		
						Jack Pine	Low	Variable	Sapling		
176	4139 - Aspen, N	/lixed Deci	duous Sa	nlina I	Иedium	ı 23.2 17 lı	mmature	N/A		The stand is moderately stocked, slowly filling in. Open patches that did	
		initod Door	uuous Ja	P9 .				14// (
	Canopy Species		Size Class		l Age	Sub-Canopy Species	Density	Avg. Height	Size	not regenerate with aspen are filling in with black cherry seedlings and	
					l Age	Sub-Canopy Species Honeysuckle (spp.)	Density Low		Size Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black	
	Canopy Species	% Cover	Size Class	DBH	Age			Avg. Height	1	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches	
	Canopy Species Sugar Maple	% Cover	Size Class Log	DB H		Honeysuckle (spp.)	Low	Avg. Height < 5 feet	Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and	
	Canopy Species Sugar Maple Quaking Aspen	% Cover 2 40	Size Class Log Sapling	DBH 16	17	Honeysuckle (spp.)	Low	Avg. Height < 5 feet	Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches	
	Canopy Species Sugar Maple Quaking Aspen Black Cherry	% Cover 2 40 40	Size Class Log Sapling Sapling	DBH 16 2 2	17	Honeysuckle (spp.)	Low	Avg. Height < 5 feet	Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches	
177	Canopy Species Sugar Maple Quaking Aspen Black Cherry Sugar Maple Bigtooth Aspen	% Cover 2 40 40 8 10	Size Class Log Sapling Sapling Sapling Sapling Sapling	DBH 16 2 2 2 2 2	17	Honeysuckle (spp.) Autumn Olive	Low	Avg. Height < 5 feet	Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested. This stand is a heterogenous mix of aspen poles, older open-grown	
177	Canopy Species Sugar Maple Quaking Aspen Black Cherry Sugar Maple Bigtooth Aspen	% Cover 2 40 40 8 10	Size Class Log Sapling Sapling Sapling Sapling Sapling	DBH 16 2 2 2 2 2 letimb	17 17 17	Honeysuckle (spp.) Autumn Olive	Low	Avg. Height < 5 feet 5 - 10 feet	Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested. This stand is a heterogenous mix of aspen poles, older open-grown hardwoods, and open patches. Poor timber, very brushy, good game	
177	Canopy Species Sugar Maple Quaking Aspen Black Cherry Sugar Maple Bigtooth Aspen 4139 - Aspen, N	% Cover 2 40 40 8 10	Size Class Log Sapling Sapling Sapling Sapling Sapling Description	DBH 16 2 2 2 2 2 letimb	17 17 17 er Poor	Honeysuckle (spp.) Autumn Olive	Low Trace	Avg. Height < 5 feet 5 - 10 feet N/A	Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested. This stand is a heterogenous mix of aspen poles, older open-grown	
177	Canopy Species Sugar Maple Quaking Aspen Black Cherry Sugar Maple Bigtooth Aspen 4139 - Aspen, N	% Cover 2 40 40 8 10 Mixed Deci	Size Class Log Sapling Sapling Sapling Sapling duous Po Size Class	DBH 16 2 2 2 2 2 Detimb	17 17 17 er Poor	Honeysuckle (spp.) Autumn Olive 9.3 38 Sub-Canopy Species	Low Trace	Avg. Height < 5 feet 5 - 10 feet N/A Avg. Height	Tall Shrub Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested. This stand is a heterogenous mix of aspen poles, older open-grown hardwoods, and open patches. Poor timber, very brushy, good game habitat. There are some scattered basswood, rock elm, and balsam	
177	Canopy Species Sugar Maple Quaking Aspen Black Cherry Sugar Maple Bigtooth Aspen 4139 - Aspen, N Canopy Species Sugar Maple	% Cover 2 40 40 8 10 Mixed Deci % Cover 8	Size Class Log Sapling Sapling Sapling Sapling duous Po Size Class Log	DBH 16 2 2 2 2 1 2 1 1 1 1 1 1 1 1 1 1 1 1	17 17 17 er Poor	Honeysuckle (spp.) Autumn Olive 9.3 38 Sub-Canopy Species Black Cherry	Low Trace Density Low	Avg. Height < 5 feet 5 - 10 feet N/A Avg. Height Variable	Tall Shrub Tall Shrub Size Sapling	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested. This stand is a heterogenous mix of aspen poles, older open-grown hardwoods, and open patches. Poor timber, very brushy, good game habitat. There are some scattered basswood, rock elm, and balsam	
177	Canopy Species Sugar Maple Quaking Aspen Black Cherry Sugar Maple Bigtooth Aspen 4139 - Aspen, N Canopy Species Sugar Maple American Elm	% Cover 2 40 40 8 10 Mixed Deci 8 5	Size Class Log Sapling Sapling Sapling Sapling duous Po Size Class Log Pole	DBH 16 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1	17 17 17 er Poor	Honeysuckle (spp.) Autumn Olive 9.3 38 Sub-Canopy Species Black Cherry Honeysuckle (spp.)	Low Trace Density Low High	Avg. Height < 5 feet 5 - 10 feet N/A Avg. Height Variable 5 - 10 feet	Tall Shrub Tall Shrub Size Sapling Tall Shrub	stump sprouts. Remnant trees include scattered sugar maple, black cherry and white pine. The small patches of older timber in the SW and NW corners are intended to be left long-term as residual cover patches for grouse and other wildlife as surrounding stands are harvested. This stand is a heterogenous mix of aspen poles, older open-grown hardwoods, and open patches. Poor timber, very brushy, good game habitat. There are some scattered basswood, rock elm, and balsam poplar.	



178	Stand	Level 4 Co	e Si	ize De	ensity	Acres Stand Age E	BA Range	Managed 9	Site	General Comments	
Honeysuckle (spp.) Low 5 - 10 feet Tall Shruk	178	310 - Herbac	nland N	Nonst	ocked	2.7		No			
Black Cherry							Sub-Canopy Species	Density	Avg. Height	Size	
Rock Elm							Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub	
Serviceberry (Juneberry) Trace 10 - 20 feet Tall Shrub							Black Cherry	Low	>20 feet	Pole	
Sub-Canopy Species Sub-Canopy Species Density Avg. Height Size Black Cherry Low 2.0 feet Log Red Maple Trace Variable Sapling Mixed Fruiting Shrubs Low Non-Wood Non							Rock Elm	Trace	>20 feet	Pole	
Sub-Canopy Species Blackberry/Raspberry Low < 5 feet Tall Shrut Size Tall Shrut Size Sockhory Low < 20 feet Log Log Sockhory Low < 20 feet Log Sockhory Sockhory Low Sockhory Sockhory Low Sockhory Sockhory Low Sockhory S							Serviceberry (Juneberry) Trace	10 - 20 feet	Tall Shrub	
Blackberry/Raspherry Low	179	3103 - R	ubus-Fer	n i	Nonst	ocked	2.1		No		Fruiting shrubs include juneberry, honeysuckle, and hawthorn.
Blackberry/Raspherry Low <5 feet Tall Shrub Deciduous Saplings Low Variable Sapling Black Cherry Low >20 feet Log Red Maple Trace >20 feet Pole Scotch Pine Trace Variable Sapling Mixed Furting Shrubs Low Non-Wood Quaking Aspen Low >20 feet Pole Scotch Pine Trace Variable Sapling Mixed Furting Shrubs Low Non-Wood Quaking Aspen Low >20 feet Pole Sugar Maple 10 Log/Pole 12 Sugar Maple 10 Log/Pole 11 Log/Pole 1 International Pole							Sub-Canopy Species	Density	Avg. Height	Size	
Black Cherry Low >20 feet Log Red Maple Trace >20 feet Pole Scotch Pine Trace Variable Sapling Mixed Fruiting Shrubs Low Non-Wood Quaking Aspen Low >20 feet Pole										Tall Shrub	
Red Maple Trace Societ Pole Scotch Pine Trace Sophing Saphing Saphing Societ Pole Scotch Pine Trace Sophing Sub- Non-Wood Quaking Aspen Low Southern White Cedar Sugar Maple 10 Log/Pole 12 Sugar Maple 15 Log/Pole 11 Inonwood Low Variable Saphing Saphing Saphing Sub- Canopy Species Density Avg. Height Size Sugar Maple Sub- Canopy Species Density Saphing Saphing Sub- Sabhing Sabhing Sabhing Sabhing Sub- Sabhing							Deciduous Saplings	Low	Variable	Sapling	
Scotch Pine Trace Variable Sapling Non-Wood								Low	>20 feet		
Mixed Fruiting Shrubs Low Non-Wood							Red Maple	Trace	>20 feet	Pole	
Augusting Aspen Low >20 feet Pole							Scotch Pine	Trace	Variable	Sapling	
180							Mixed Fruiting Shrubs	Low		Non-Wood	
Canopy Species							Quaking Aspen	Low	>20 feet	Pole	
Sugar Maple 10 Log/Pole 12 Sugar Maple Medium Variable Sapling American Elm 2 Pole 7 Northern White Cedar Low >20 feet Pole Itonwood Low Variable Sapling Basswood 7 Log/Pole/XLog 15 White Ash Low Variable Sapling White Spruce 6 Log/Pole 11 Northern White Cedar 5 Log 10 Honeysuckle (spp.) Trace < 5 feet Tall Shrub 181 3301 - Low Density Deciduous Trees Nonstocked Subscription or Ground Juniper Trace Subscription or Ground Juniper Trace Size Tall Shrub Size Size Tall Shrub Size Size Tall Shrub Size Siz	180	4139 - Aspen, I	Mixed De	ciduous Saw	timbe	r Medi	um 4.9 60	51-80	N/A		Veteran's Memorial Campground
American Elm 2 Pole 7 Northern White Cedar Low >20 feet Pole Red Maple 15 Log/Pole 11 Ironwood Low Variable Sapling Basswood 7 Log/Pole/XLog 15 White Ash Low Variable Sapling Quaking Aspen 50 Pole/Log 8 60 White Spruce 6 Log/Pole 11 Northern White Cedar 5 Log 10 Black Cherry 5 Pole/Log 9 181 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size White Pine Trace <5 feet Tall Shrub Sub-Canopy Species Density Avg. Height Size White Pine Trace <5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling Scattered juneberry & hawthorn.	С	anopy Species	% Cove	r Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple 15 Log/Pole 11 Ironwood Low Variable Sapling Basswood 7 Log/Pole/XLog 15 White Ash Low Variable Sapling Quaking Aspen 50 Pole/Log 8 60 White Spruce 6 Log/Pole 11 Northern White Cedar 5 Log 10 Black Cherry 5 Pole/Log 9 181 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size White Pine Trace < 5 feet Tall Shrub Blackberry/Raspberry Low < 5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling White Ash Low Variable Sapling Honeysuckle (spp.) Trace < 5 feet Tall Shrub Blackberry/Raspberry Low < 5 feet Tall Shrub Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood	5	Sugar Maple	10	Log/Pole	12		Sugar Maple	Medium	Variable	Sapling	
Basswood 7 Log/Pole/XLog 15 White Ash Low Variable Sapling Quaking Aspen 50 Pole/Log 8 60 White Spruce 6 Log/Pole 11 Northern White Cedar 5 Log 10 Black Cherry 5 Pole/Log 9 181 3301 - Low Density Deciduous Trees Nonstocked Sub-Canopy Species Density Avg. Height Size White Pine Trace > 20 feet Log Common Or Ground Juniper Trace < 5 feet Tall Shrub Blackberry/Raspberry Low < 5 feet Tall Shrub Black Cherry Medium > 20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood	Α	merican Elm	2	Pole	7		Northern White Cedar	Low	>20 feet	Pole	
Quaking Aspen 50 Pole/Log 8 60 White Spruce 6 Log/Pole 11 Northern White Cedar 5 Log 10 Black Cherry 5 Pole/Log 9 Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size White Pine Trace <5 feet Tall Shrub White Pine Trace <5 feet Tall Shrub White Pine Trace <5 feet Tall Shrub Blackberry/Raspberry Low <5 feet Tall Shrub Blackberry/Raspberry Low <5 feet Tall Shrub Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood		Red Maple	15	Log/Pole	11		Ironwood	Low	Variable	Sapling	
White Spruce 6 Log/Pole 11 Northern White Cedar 5 Log 10 Black Cherry 5 Pole/Log 9 181 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size White Pine Trace >20 feet Log Common Or Ground Juniper Trace < 5 feet Tall Shrub Blackberry/Raspberry Low < 5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood		Basswood	7	Log/Pole/XLog	15		White Ash	Low	Variable	Sapling	
Northern White Cedar 5 Log 10 Black Cherry 5 Pole/Log 9 181 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size	Q	uaking Aspen	50	Pole/Log	8	60	Honeysuckle (spp.)	Trace	< 5 feet	Tall Shrub	
Black Cherry 5 Pole/Log 9 181 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size	V	Vhite Spruce	6	Log/Pole	11						
181 3301 - Low Density Deciduous Trees Nonstocked 2.5 Immature No Scattered juneberry & hawthorn. Sub-Canopy Species Density Avg. Height Size White Pine Trace >20 feet Log Common Or Ground Juniper Trace < 5 feet Tall Shrub Blackberry/Raspberry Low < 5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood	North	nern White Cedar	5	Log	10						
Sub-Canopy SpeciesDensityAvg. HeightSizeWhite PineTrace>20 feetLogCommon Or Ground JuniperTrace< 5 feet	E	Black Cherry	5	Pole/Log	9						
White Pine Trace >20 feet Log Common Or Ground Juniper Trace <5 feet Tall Shrub Blackberry/Raspberry Low <5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood	181	3301 - Low Densi	ty Decidu	ous Trees N	Nonst	ocked	2.5	Immature	No		Scattered juneberry & hawthorn.
Common Or Ground Juniper Trace < 5 feet Tall Shrub Blackberry/Raspberry Low < 5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood							Sub-Canopy Species	Density	Avg. Height	Size	
Blackberry/Raspberry Low < 5 feet Tall Shrub Deciduous Saplings Trace Variable Sapling Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood							White Pine	Trace	>20 feet	Log	
Deciduous Saplings Trace Variable Sapling Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood							Common Or Ground Junip	er Trace	< 5 feet	Tall Shrub	
Black Cherry Medium >20 feet Pole Mixed Fruiting Shrubs Trace Non-Wood							Blackberry/Raspberry	Low	< 5 feet	Tall Shrub	
Mixed Fruiting Shrubs Trace Non-Wood							Deciduous Saplings	Trace	Variable	Sapling	
							Black Cherry	Medium	>20 feet	Pole	
Quaking Aspen Low >20 feet Pole							Mixed Fruiting Shrubs	Trace		Non-Wood	
							Quaking Aspen	Low	>20 feet	Pole	



Stand	Level 4 Co	over Type	Size Density			Acres Stand Age I	BA Range	Managed S	Site	General Comments
182	4130	- Aspen	Pol	letimber	Mediu	m 7.5 38		N/A		Stand has scattered elm, maple, ash and white pine.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
	Quaking Aspen	80	Pole	7	38	Black Cherry	Low	Variable	Sapling	
	Bigtooth Aspen	10	Pole/Sapling	7	38	Ironwood	Low	Variable	Sapling	
	Black Cherry	7	Pole	7	38	Honeysuckle (spp.)	High	5 - 10 feet	Tall Shrub	
	Red Maple	3	Pole	7		Sugar Maple	Low	Variable	Sapling	
						Serviceberry (Juneberry) Low	10 - 20 feet	Sapling	
183	500 -	Water		Nonsto	cked	2.0		No		Platte River
184	3301 - Low Densi	ty Deciduo	ous Trees	Nonsto	cked	1.8 0	Immature	No		
						Sub-Canopy Species	Density	Avg. Height	Size	
						Black Locust	Low	10 - 20 feet	Sapling	
						Black Locust	Medium	>20 feet	Pole	
						Autumn Olive	Low	5 - 10 feet	Tall Shrub	
						Honeysuckle (spp.)	Low	5 - 10 feet	Tall Shrub	
						Juniper	Low	< 5 feet	Tall Shrub	
						American Elm	Trace	>20 feet	Pole	
						Sugar Maple	Trace	>20 feet	Pole	
						Basswood	Trace	>20 feet	Log	
185		4130 - Aspen			er Well			N/A		Stand is on a steep bluff along the west side of the Platte River. South 2/3 mostly aspen, north 1/3 mostly hardwood. Scattered elm, juneberry,
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	q. Aspen. Some cedar along the river.
	Sugar Maple	10	Log/Pole	12		Sugar Maple	Low	>20 feet	Sapling	
	Red Maple	15	Log/Pole	13	94	Sugar Maple	Low	>20 feet	Pole	
	Basswood	5	Log/Pole	12		White Pine	Low	Variable	Sapling	
	Bigtooth Aspen	67	Log/Pole	13	65	Ironwood	Medium	Variable	Sapling	
	White Pine	3	Log/XLog/Pole	9 14		Beech	Low	Variable	Sapling	
186	6132 - Mixed Lowla	nd Forest	with Cedar Sa			m 8.8 79		N/A		Riparian - along Platte River. Sparser with standing dead trees in middle part of stand. Note: stand was not field visited for 2021 inventory. 2011
	Canopy Species		Size Class		Age	Sub-Canopy Species		Avg. Height	Size	data was retained, but switched to "edge" call, and ash component
	Red Maple	15	Log/Pole	10		Northern White Cedar	Medium	>20 feet	Pole	deleted.
	Yellow Birch	6	Pole/Log	8		Hemlock	Medium	Variable	Sapling	
	Quaking Aspen	35	Log/Pole	10	79	Deciduous Saplings	Low	Variable	Sapling	
No	rthern White Cedar	32	Pole/Log	8		Tag Alder	Low	10 - 20 feet	Tall Shrub	
	White Pine	2	Log	16						
	Hemlock	10	Log/Pole	12						



Stand	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age	BA Range	Managed 9	Site	General Comments
187	3301 - Low Densi	ity Deciduo	ous Trees I	Nonsto	cked	5.2		Immature	No		
						Sub-Ca	anopy Specie	es Density	Avg. Height	Size	
						Serviceb	erry (Juneber	rry) Trace	10 - 20 feet	Tall Shrub	
						Bla	ack Cherry	Low	Variable	Sapling	
						V	hite Pine	Low	>20 feet	Log	
						Blackb	erry/Raspberr	ry Trace	< 5 feet	Tall Shrub	
						Bla	ack Cherry	Medium	>20 feet	Pole	
						Common (Or Ground Jui	niper Trace	< 5 feet	Tall Shrub	
						Au	tumn Olive	Trace	5 - 10 feet	Tall Shrub	
						Su	gar Maple	Low	Variable	Sapling	
						R	ed Maple	Trace	Variable	Sapling	
						W	itch Hazel	Trace	5 - 10 feet	Tall Shrub	
188	4115 - Y.Birc	h, Hemloc	k NH Sa	awtimb	er We	ll 8.7	77	141-170	N/A		Sidehill with high water table; springs & streams. Note: stand was not
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Specie	es Density	Avg. Height	Size	field visited for 2021 inventory. 2011 data was retained, but switched to "edge" call, ash component deleted, and some diameters increased
	Red Maple	35	Log/Pole	10	77	Norther	n White Ceda	ar Low	>20 feet	Pole	slightly.
	Yellow Birch	25	Pole/Log	9		ŀ	Hemlock	Low	>20 feet	Pole	
	Basswood	5	Pole	9		ŀ	Hemlock	Medium	Variable	Sapling	
Nort	hern White Cedar	15	Log	14	93			'		•	•
	Hemlock	20	Log	14							
194	4130	- Aspen	5	Sapling	Well	7.1	7	Immature	N/A		Clearcut in spring 2014. Patches of advanced sugar maple regeneration
	Canopy Species	% Cover	Size Class	DBH	Age						were retained, as well as scattered mature and pole-sized trees.
Е	Bigtooth Aspen	50	Sapling	1	7						
(Quaking Aspen	10	Sapling	1	7						
	Red Maple	25	Pole/Sap/Log	6							
	Sugar Maple	12	Sapling/Pole	3							
	Black Cherry	3	Sapling/Pole/Log	g 3							
195	4130	- Aspen	Sa	pling N	/lediur	n 17.3	7	Immature	N/A		Clearcut in spring 2014. Scattered mature trees were retained. Mostly
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Specie	es Density	Avg. Height	Size	filling in, but there are some open areas.
(Quaking Aspen	65	Sapling	1	7		Beech	Medium	< 5 feet	Seeding	
Е	Bigtooth Aspen	25	Sapling	1	7	Bla	ack Cherry	Medium	< 5 feet	Seeding	
	Red Maple	2	Log/Pole	12		I	ronwood	Medium	< 5 feet	Seeding	
	Black Cherry	5	Sapling	1	7	1		1		1	1
	Beech	1	Log	10							



Stand	Level 4 C	rel 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments						
196	4130		Sapling Well		9.7	7	Immature	N/A		Clearcut in spring 2014. Patches of advanced sugar maple regeneration were retained, as well as scattered mature trees.	
	Canopy Species	% Cover	Size Class	DBH	Age						were retained, as well as scattered mature trees.
	Bigtooth Aspen	65	Sapling	1	7						
	Sugar Maple	30	Sapling/Pole/Lo	g 3							
	Black Cherry	5	Sapling	1							
197	4130	- Aspen	S	apling N	/ledium	8.5	7	Immature	N/A		Clearcut in spring of 2014; scattered residual trees, including numerous
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	small hemlocks. West lobe is poorly stocked.
	Hemlock	5	Pole	7		Ire	onwood	Medium	Variable	Sapling	
	Red Maple	2	Pole/Log	9						1	-
	Black Cherry	5	Sapling	2	7						
	Quaking Aspen	50	Sapling	1	7						
	Bigtooth Aspen	37	Sapling	1	7						
	Black Cherry	1	Log	10							
198	4130	- Aspen	S	apling N	/ledium	6.9	7	Immature	N/A		Clearcut in spring of 2014; scattered residual trees. Patch clearcut, 5
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	patches. Aspen regeneration in the NE patch is good, fair in SE and SW patches, poor in the center and NW. Failed areas are filling in with
	Bigtooth Aspen	60	Sapling	1	7	Ire	onwood	High	< 5 feet	Seeding	ironwood and cherry.
	Sugar Maple	5	Sapling	2		Bla	ck Cherry	Medium	< 5 feet	Seeding	,
	Quaking Aspen	15	Sapling	1	7	Autı	ımn Olive	Trace	5 - 10 feet	Tall Shrub	
	Black Cherry	10	Sapling	1	7						1
	Ironwood	10	Sapling	1	7						
199	9 4112 - Maple, Beech, Cherry Association Sapling Medium					33.9	6	1-50	N/A		Big, old sugar maple is concentrated along State Rd. This was a mature
	Canopy Species	% Cover	Size Class	DBH	Age						RP plantation that was clearcut in 2013 after massive March, 2012 snowstorm damage. Stand has numerous RP snags and down logs.
	Sugar Maple	50	Sapling	1	6						2018 regen check (Anna Ellis): Majority of site has healthy hardwoods.
	Beech	15	Sapling	1	6						Many dense areas. Where site is more bare, hardwoods have begun
	Black Cherry	20	Sapling	1	6						seeding in. Small amount of healthy red pine growing near retained patches. Sugar maple is dominant; ironwood, cherry, aspen, beech, oak
	Sugar Maple	2	XLog	24							and ash are also present.
	Red Oak	1	Sapling	1							•
	Ironwood	5	Sapling	1							
	Quaking Aspen	5	Sapling	1	6						
	Black Cherry	2	Log	10							
200	4139 - Aspen,	Mixed Dec	Sapling Medium		3.3	5	Immature	N/A		Clearcut in Sept. 2016. Some dead/dying JP remains, and some	
	Canopy Species	% Cover	Size Class	DBH	Age		nopy Species	Density	Avg. Height	Size	scattered cherry/maple retention, but mostly cleared for aspen regeneration. 2021: some patches of aspen suckers and scatter cherry
	Black Cherry	3	Log	14		Ja	ck Pine	Trace	< 5 feet	Sapling	sprouts, but parts failed to regenerate, especially west of road.
	Red Maple	2	Pole/Sapling	7		Honey	suckle (spp.)	Trace	< 5 feet	Tall Shrub	
	Quaking Aspen	45	Sapling	1	5						
	Black Cherry	50	Sapling	1	5						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age B	A Range	Managed Site		General Comments	
201	3103 - Rubus-Fern	Nonstocked	2.9	0 1	Immature	4139 - Aspen Deciduo		Clearcut in Oct. 2015, with some maple and cherry retained.	
			Sub-Ca	nopy Species	Density	Avg. Height	Size		
			Re	ed Maple	Low	>20 feet	Log		
			Bla	ck Cherry	Trace	>20 feet	Log		
			Suç	gar Maple	Low	>20 feet	Log		
			Ir	onwood	Low	< 5 feet	Seeding		
			Qual	king Aspen	Low	5 - 10 feet	Sapling		
			Bla	ck Cherry	Low	Variable	Sapling		
				Beech		< 5 feet	Sapling		
202	42140 - Planted Mixed Pine	Sapling Well	17.6	25	1-50	N/A		Planted red pine is starting to overtop the volunteer jack pine.	
C	Canopy Species % Cover Size Clas	s DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Red Pine 50 Sapling/P	ole 4 25	Bla	ck Cherry	Low	Variable	Sapling		
	Jack Pine 50 Sapling/P	ole 3 25		Beech	Trace	10 - 20 feet	Sapling		
203	790 - Other Bare/Sparsely Vegetated	Nonstocked	16.1	0 U	nspecified	4211 - Planted	Red Pine	Clearcut in 2015. Scattered maple/cherry retained. 2018: cherry and J volunteers. Dropped roller chopping for JP volunteer control, as this	
			Sub-Canopy Species Red Maple			Avg. Height	Size	proved ineffective on other sites. Moved to site prep herbicide spray,	
					Low	>20 feet	Pole	then trench and plant to RP. Herbicide sprayed 9/9/2019, trenched 2020.	
				ck Cherry	Low	>20 feet	Pole	Planted April 2021.	
			Ja	ack Pine	Low	< 5 feet	Sapling		
204	122 - Road/Parking Lot	2.2			No		U.S. 31		
206	310 - Herbaceous Openland	Nonstocked	10.6	10.6 0 U		4211 - Planted Red Pine		This was a mature RP plantation that was clearcut in 2013 after massive March, 2012 storm damage. Stand has numerous RP snags and down	
				nopy Species		Avg. Height	Size	logs. Roller chopping completed June 2019, trenched in summer 2019.	
			Decidu	ous Saplings	Trace	5 - 10 feet	Sapling	Planted April 2021.	
207	122 - Road/Parking Lot	4.9 No					U.S. 31 and Goose Road		