



Compartment Review Presentation

Shingleton Forest Management Unit

Compartment 41179

Entry Year 2024

Acreage: 1,641

County Alger

Management Area: Cusino Complex

Stand Examiner: Scott Kentner

Legal Description:

T47N R17W Sections 21, 28 and 33

Identified Planning Goals:

Timber management goals focus on managing upland deciduous forest types such as all-aged northern hardwoods and aspen, with emphasis on features such as species and size/age-class diversity, wildlife habitat, etc. The grassy openings and lowland forest types maintain variety in the ecosystem.

Soil and topography:

Terrain varies from flat areas to short ridges. Soils are mostly Munising-Yalmaer-Frohling Complex, Carbondale series mucks, Escanaba-Graylock series and Kalkaska Series Sands.

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

State forest lands surrounded by either state or private timber company lands in the neighboring compartments, with one parcel owned by The Forest Land Group land included within the compartment boundary and one private residence across highway H-58.

Unique Natural Features:

There is a Rich Conifer Swamp to the northwest, also butterwort to the northeast and Loons to the east and northeast. Potential for red shoulder hawk and goshawk in mature hardwood stands and for goshawk in pine stands. There is potential for wood turtle along creek. Potential for rare plants of rich mesic forests: Carex assiniboinensis, showy orchis, Ginseng, green spleenwort, Goblin Fern. Potential for beauty sedge, calypso bulbosa, ram's head in cedar stands.

Archeological, Historical, and Cultural Features:

There are some old railroad grades as well as some remnant openings from past farming in the area.

Special Management Designations or Considerations:

There are no special management designations in this area.

Watershed and Fisheries Considerations:

This compartment contains Star Creek. Star Creek is a designated Type 1 trout stream less than 50' width with a predicted mean July temperature of 60.4 °F (cold stream). A 300' buffer is recommended for Star Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is located in the Grand Marias Sandy End Moraine Outwash sub-subsection. The average growing season is approximately 120 days. The extreme winter temperature generally reaches approximately -35o F. Snowfall in this compartment averages 200 inches or more annually. The compartment falls within the Cusino Complex Management Area which highlights the following Featured Species: American Marten, moose, black bear, gray jay, northern goshawk and white-tailed deer. General Land Office (GLO) Surveyor notes show a fairly even distribution of sugar maple, beech, yellow birch and balsam fir in the uplands. Hemlock, elm, ironwood, white pine, white birch, and red maple were also present in lesser amounts. Lowlands were dominated by cedar, but also contained black ash, tamarack, spruce and alder. Windthrow and beaver ponding were likely the major forms of natural disturbance within the compartment. Current upland forests contain more aspen than was recorded in the GLO notes. Lowlands are similar in nature to pre-settlement conditions. Wildlife habitat objectives are primarily associated with maintaining within and between stand structural and species diversity. Gray wolves and moose (Michigan special concern) likely utilize the compartment, but no rare species have actually been recorded. Other wildlife species of interest that may utilize this compartment include red-backed salamander, ring neck snake, American woodcock and snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of end moraine of medium-textured glacial till. There is insufficient data to determine the glacial

drift thickness. The Ordovician Prairie du Chien (PdC) Formation subcrops below the glacial drift. The PdC could be used for stone. The nearest gravel pit is several miles to the south, but there should be potential in the compartment. There is no commercial oil and gas production in the UP.

Vehicle Access:

County highway H-58 runs through this compartment. There are a number of good two tracks throughout the compartment some are blocked but most are not.

Survey Needs:

Recreational Facilities and Opportunities:

The Sunrise Grade Snowmobile Trail 8 runs through the south end of this compartment.

Fire Protection:

This compartment is a mix of hardwoods, aspen and grasslands with numerous two-tracks and overgrown roads throughout. Several spots along two-tracks near Star Creek provide good access for water sources.

Additional Compartment Information:

The following reports from the Inventory are attached:

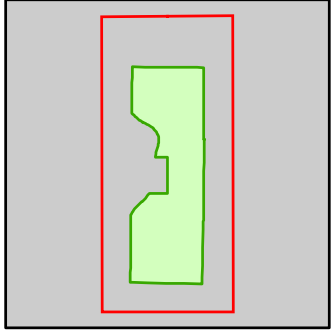
- Total Acres by Cover Type and Age Class
- Cover Type by Harvest Method
- Proposed Treatments – No Limiting Factors
- Proposed Treatments – With Limiting Factors
- Stand Details (Forested and Nonforested)
- Dedicated and Proposed Special Conservation Areas
- Site Condition Details

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

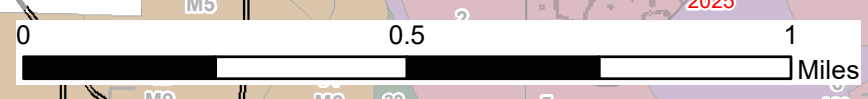
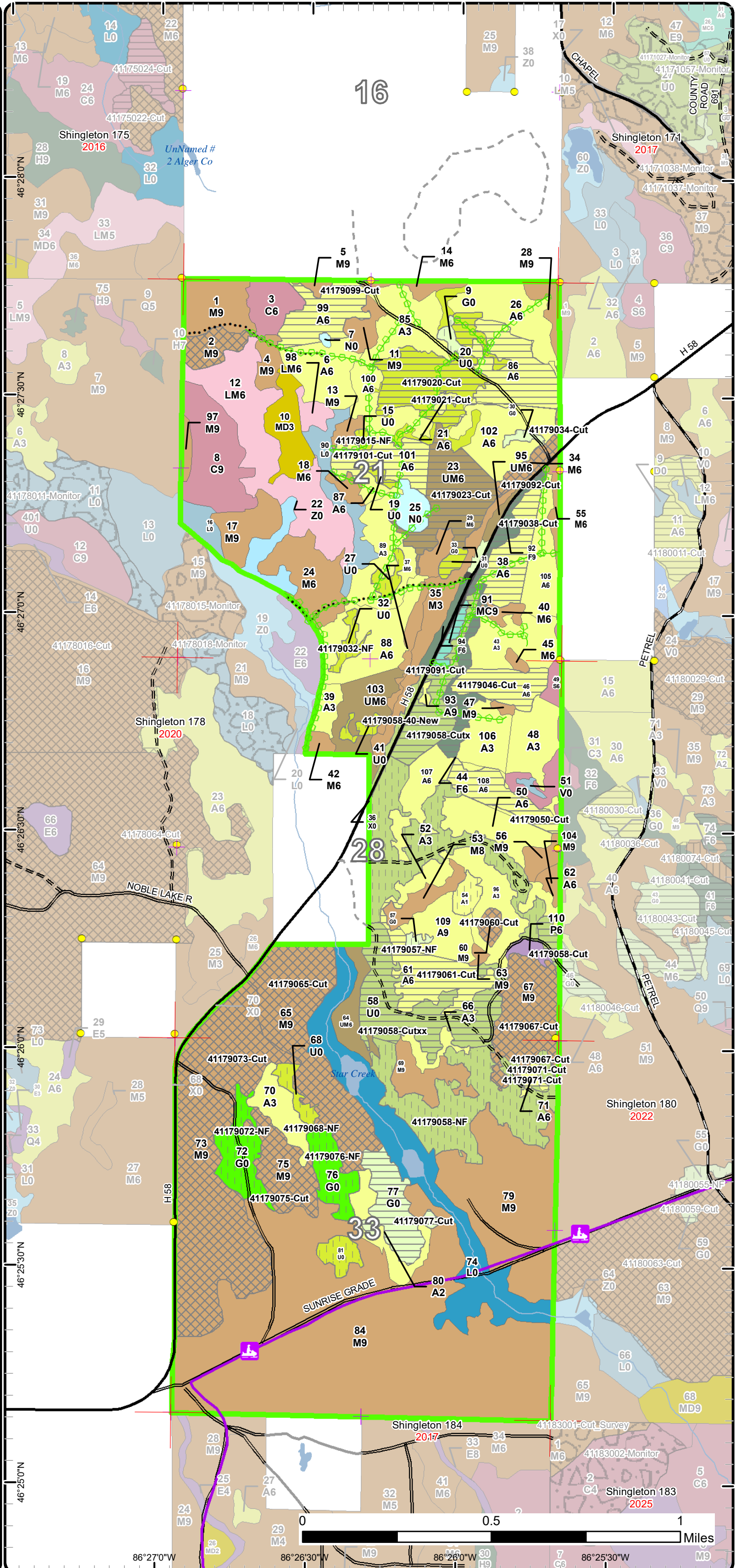
- Base feature information, stand boundaries, cover types, and numbers
- Proposed treatments
- Site condition boundaries
- Details on the road access system

Cover Type & Treatments Map

Compartment: 179
 T47N, R17W, Sec: 21, 28, 33
 County: Alger
 Unit: Shingleton
 Mgmt Area: Casino Complex
 YOE: 2024
 Acres: 1641.4 GIS Calculated
 Examiner: Scott Kentner
 Map Revised: 8/17/2022
 Map Phase: Web Post



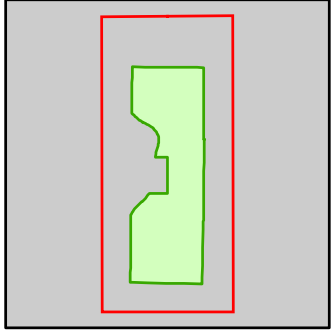
- Miris Corners
- ⊕ Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- ... DNR - Management Access
- ⚡ Snowmobile Trails
- ⚡ Designated Hunter Walking Trails
- ⚡ Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- ▨ Selection (Group, Single Tree)
- ▨ Clearcut (w/Reserves)
- ▨ Opening Maintenance
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 123 - Other High Intensity Urban
- 211 - Cropland
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed Non-forested Wetland



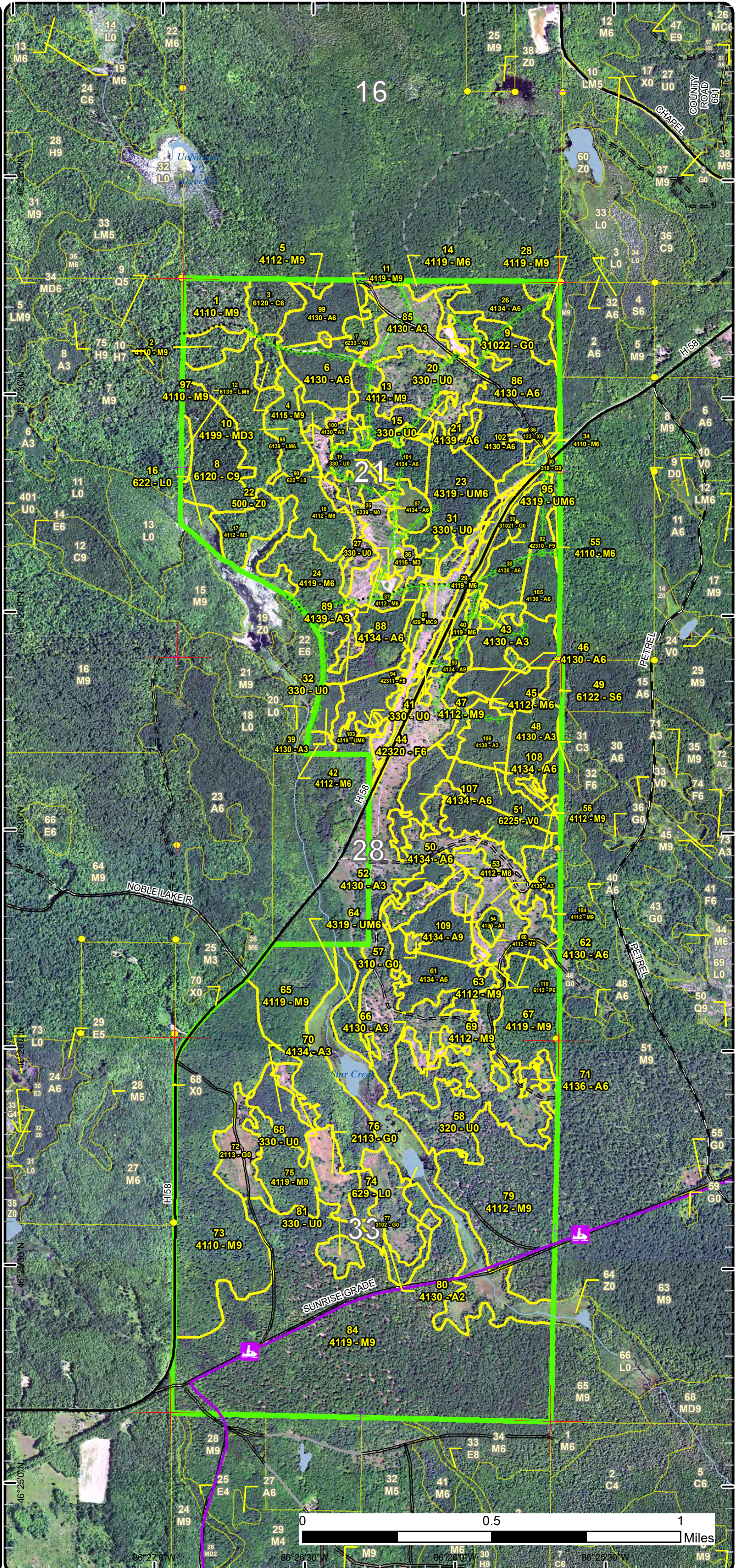
86°27'0"W 86°26'30"W 86°26'0"W 86°25'30"W

Stand Boundary Map

Compartment: 179
 T47N, R17W, Sec: 21, 28, 33
 County: Alger
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 Examiner: Scott Kentner
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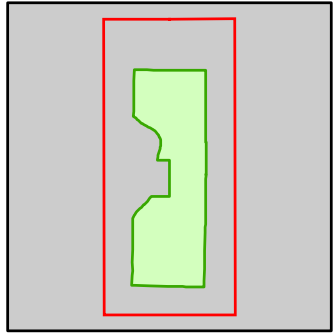


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Primary Forest Road
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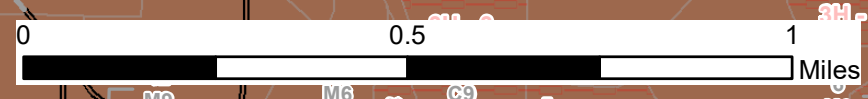
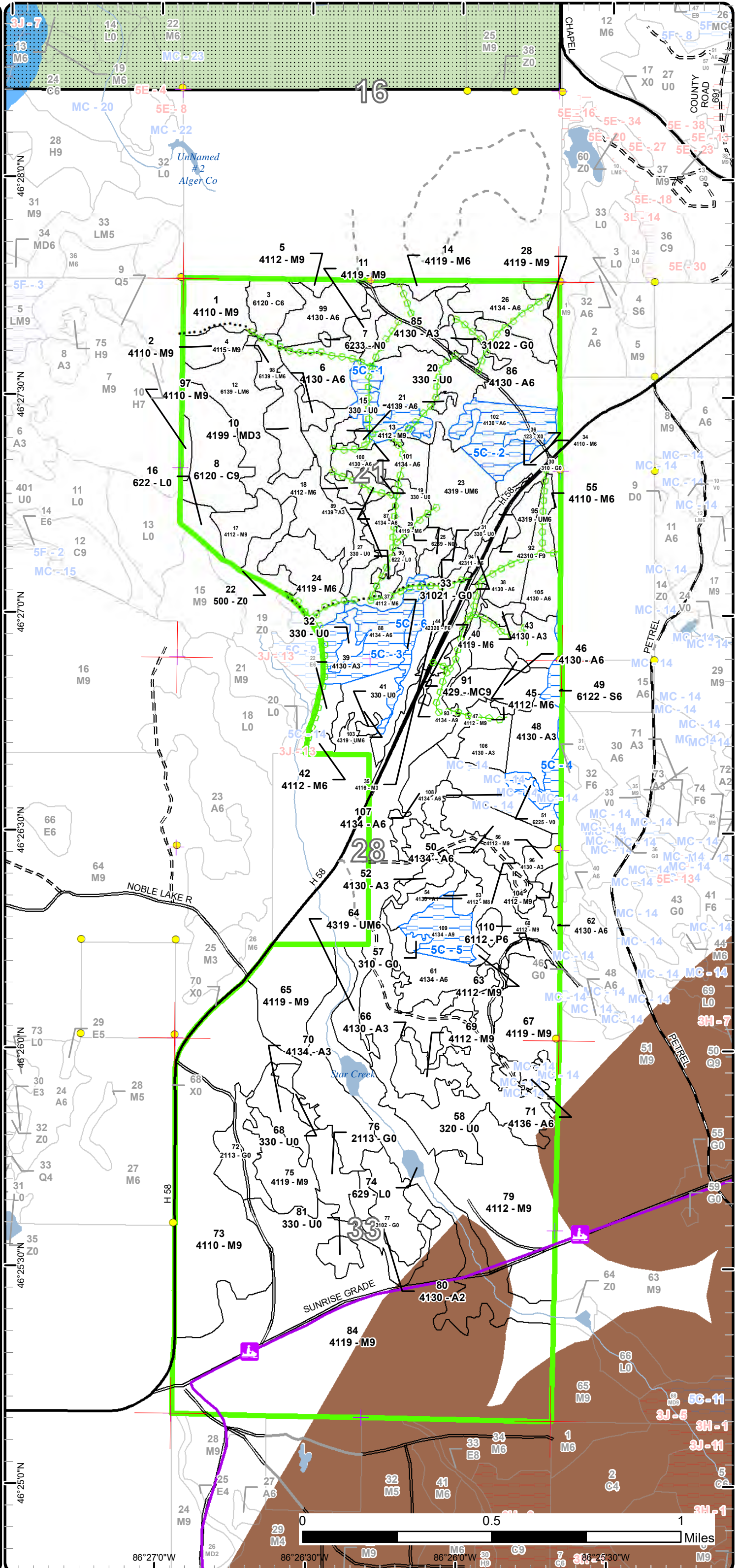


Special Conservation Areas

Compartment: 179
 T47N, R17W, Sec: 21, 28, 33
 County: Alger
 Unit: Shingleton
 Mgmt Area: Casino Complex
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- ... DNR - Management Access
- ☞ Snowmobile Trails
- ☞ Designated Hunter Walking Trails
- ☞ Designated Snowmobile Trails
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Available w/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Recreational/Scenic Value Area



86°27'0"W 86°26'30"W 86°26'0"W 86°25'30"W

Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	72	5	61	97	160	0	0	23	0	0	0	0	0	0	0	0	1	419
Bog	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	39	0	0	0	0	39
Cropland	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27
Herbaceous Openland	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Low-Density Trees	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	61
Lowland Aspen/Balsam Poplar	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Mixed Forest	0	0	0	0	0	4	0	46	0	0	0	0	0	0	0	0	0	0	50
Lowland Shrub	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Lowland Spruce/Fir	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	11
Marsh	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	0	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Northern Hardwood	0	18	0	0	0	3	0	10	6	116	444	0	0	0	0	0	0	75	672
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
Upland Mixed Forest	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	2	54
Upland Shrub	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
Upland Spruce/Fir	0	0	0	0	0	0	9	0	3	0	0	0	0	0	0	0	0	5	17
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Total	361	90	19	61	97	218	4	19	86	119	444	0	0	39	0	0	0	87	1644



Report 2 – Treatment Summary

Shingleton Mgt. Unit

Year of Entry: 2024

Acres of Harvest

Compartment 179

Total Compartment Acres: 1,641

Commercial Harvest - 494
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	120	0	0	0	0	0	0	0	0	120
Herbaceous Openland	19	0	0	0	0	0	0	0	0	19
Low-Density Trees	34	0	0	0	0	0	0	0	0	34
Northern Hardwood	0	220	0	0	0	0	0	0	0	220
Upland Conifers	4	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	27	0	0	0	0	0	0	0	0	27
Upland Shrub	57	0	0	0	0	0	0	0	0	57
Upland Spruce/Fir	14	0	0	0	0	0	0	0	0	14
Total	275	220	0	0	0	0	0	0	0	495

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	495	0	0	0	0	0	0	147	0	642
Next Step	0	0	0	8	0	0	495	0	0	503
Total	495	0	0	8	0	0	495	0	147	1144



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Proposed Treatments:

2	41179002-Cut	8.0	4110 - Sugar Maple Association	Sawtimber Well	91	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce. Do not cut Hemlock.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Seeding, Hand Seed; Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any species on site prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Road along north edge of stand will need to be smoothed out after sale and will become extended hunter walking trail. Trail will be seeded.</p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2025</p>											
9	41179009-NF	2.1	31022 - Warm Season Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/Grass Planting	3102 - Grass		No
<p><u>Prescription</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.</p> <p><u>Specs:</u> Clearing/maintaining hunter walking trails.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Grass with fruit trees.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
15	41179015-NF	1.4	330 - Low-Density Trees	Nonstocked			NonForestMgt	Herbaceous/Crop/Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.</p> <p><u>Specs:</u> Clearing/maintaining hunter walking trails.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Grass and Fruit Trees</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
19 41179019-Cut	1.5	330 - Low-Density Trees	Nonstocked		Immature	Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Clearcut: Remove all trees within stand except for oak and fruit trees. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Grass and fruit trees <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2025</p>										
23 41179023-Cut	26.8	4319 - Mixed Upland Forest	Poetimber Well	49	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut with no retention: Cut all tree species down to 2' dbh, in accordance to the GEMS plan. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Any species found on site prior to harvest. <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2030</p>										
27 41179027-NF	3.3	330 - Low-Density Trees	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others. <u>Specs:</u> Clearing/maintaining hunter walking trails. <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Grass and Fruit trees <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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30	41179030-NF	1.7	310 - Herbaceous Openland	Nonstocked		NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous		No
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Prescription Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.
Specs: Clearing/maintaining hunter walking trails.

Next Step
Treatments:

Acceptable Grass and fruit trees.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

31	41179031-Cut	2.3	330 - Low-Density Trees	Nonstocked		Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
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Prescription Clearcut: Remove all trees except oak and fruit trees.
Specs:

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

Acceptable Grass and fruit trees.
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2030

32	41179032-NF	3.6	330 - Low-Density Trees	Nonstocked		NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous		No
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Prescription Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.
Specs: Clearing/maintaining hunter walking trails.

Next Step
Treatments:

Acceptable Grass and Fruit trees
Regen:

Other
Comment:

Site Condition:

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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34	41179034-Cut	6.0	4110 - Sugar Maple Association	Poletimber Well	91	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce. Retain all beech.

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

Treatments:

Acceptable Regen: any species found on site prior to harvest.

Other Comment:

Site Condition:

Proposed Start Date:

10/1 /2025

38	41179038-Cut	15.6	4130 - Aspen	Poletimber Well	35	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Specs: Clear-cut with no retention: Cut all tree species down to 2' dbh, in accordance to the GEMS plan. Retain all oak and apple trees.

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

Treatments:

Acceptable Regen: any species found on site prior to harvest.

Other Comment:

Site Condition:

Proposed Start Date:

10/1 /2030

41	41179041-NF	2.1	330 - Low-Density Trees	Nonstocked		Immature	NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		No
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Prescription Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others. Clearing/maintaining hunter walking trails.

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

Treatments:

Acceptable Regen: grass and fruit trees

Other Comment:

Site Condition:

Proposed Start Date:

10/1 /2023

44	41179044-Cut	9.4	42320 - Upland Spruce	Poletimber Well	69	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Specs: Clearcut with retention: remove all species within the stand leaving a retention pocket on the south end of the stand.

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

Treatments:

Acceptable Regen: Any species found on site prior to harvest.

Other Comment:

Site Condition:

Proposed Start Date:

10/1 /2030



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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46	41179046-Cut	12.5	4130 - Aspen	Poletimber Well	31	Immature	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with no retention: Cut all tree species down to 2' dbh, in accordance to the GEMS plan.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species found on site prior to harvest.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2030

54	41179054-NF	3.9	4130 - Aspen	Sapling Poor	9	Immature	NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous	No
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Prescription Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.
Specs: Clearing/maintaining hunter walking trails.

Next Step

Treatments:

Acceptable grass and fruit trees.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

57	41179057-NF	1.4	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous	No
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Prescription Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.
Specs: Clearing/maintaining hunter walking trails.

Next Step

Treatments:

Acceptable Grass and fruit trees

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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58 41179058-40-New	44.3	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription Specs:</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others. Clearing/maintaining hunter walking trails.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Grass and fruit trees.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

58 41179058-41-New	0.0	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription Specs:</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others. Clearing/maintaining hunter walking trails.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Grass and fruit trees.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

58 41179058-42-New	0.0	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription Specs:</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others. Clearing/maintaining hunter walking trails.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u> Grass and fruit trees.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
58 41179058-Cutx	16.8	320 - Upland Shrub	Nonstocked		Unspecified	Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Clearcut stand removing all trees down to 2" except red oak, crabapple. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Grass and fruit trees. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2030</p>										
58 41179058-Cutxx	37.2	320 - Upland Shrub	Nonstocked		Unspecified	Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Clearcut all trees within stand down to 2" except for red oak, crabapple. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Grass and fruit trees, aspen <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2025</p>										
58 41179058-NF	46.7	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/Grass Planting	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others. Clearing/maintaining hunter walking trails. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Grass and fruit trees. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
60 41179060-Cut	3.0	4112 - Maple, Beech, Cherry Association	Sawtimber Well	91	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any species found on site prior to harvest</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>										
61 41179061-Cut	20.9	4134 - Aspen, Spruce/Fir	Poetimber Well	49	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clear-cut with no retention: Cut all tree species down to 2' dbh, in accordance to the GEMS plan.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any species found on site prior to harvest.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2025</p>										
65 41179065-Cut	51.9	4119 - Mixed Northern Hardwoods	Sawtimber Well	91	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce. Retain all hemlock and beech.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any species found on site prior to harvest</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>										
67 41179067-Cut	29.4	4119 - Mixed Northern Hardwoods	Sawtimber Well	91	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription Specs:</u> Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce. Retain all Hemlock and Beech.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Any species found on site prior to harvest</p> <p><u>Other Comment:</u></p> <p><u>Site Condition:</u></p> <p>Proposed Start Date: 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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68	41179068-NF	4.2	330 - Low-Density Trees	Nonstocked		Unspecified	NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous	No
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Prescription Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen: grass and fruit trees

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2023

72	41179072-NF	15.0	2113 - Forage Crops	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous	No
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Prescription Specs: Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.

Next Step Treatments:

Acceptable Regen: grass and fruit trees

Other Comment: Road will be built between stands 72 and 65 for farming equipment access. The road will be built through logging operations.

Site Condition:

Proposed Start Date: 10/1 /2023

73	41179073-Cut	103.4	4110 - Sugar Maple Association	Sawtimber Well	80	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce.

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

Acceptable Regen: Any species found on site prior to harvest.

Other Comment: Employ a 30m (100ft) protective buffer beyond the site boundary. The site boundary is defined by an area that encapsulates all the features, refuse areas and artifact scatters.

Site Condition:

Proposed Start Date: 10/1 /2023

75	41179075-Cut	18.3	4119 - Mixed Northern Hardwoods	Sawtimber Well	91	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
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Prescription Specs: Single Tree Selection: Mark stand in accordance with the Complete Marker Guide. Residual BA should be around 70 - 90 sq. ft. Cut all Balsam and Spruce. Retain all hemlock and beech.

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

Acceptable Regen: Any species found on site prior to harvest

Other Comment:

Site Condition:

Proposed Start Date: 10/1 /2023



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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76	41179076-NF	12.2	2113 - Forage Crops	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous	No
<p><u>Prescription</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> Grass and fruit trees. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

77	41179077-Cut	18.6	3102 - Grass	Nonstocked		Unspec ified	Harvest	Clearcut	3105 - Mixed Upland Herbaceous	No
<p><u>Prescription</u> Clearcut: Remove all trees on site except for oak and planted fruit trees. .</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> grass and fruit trees <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										

81	41179081-NF	5.4	330 - Low-Density Trees	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	3105 - Mixed Upland Herbaceous	No
<p><u>Prescription</u> Prescribed fire, farming (spraying, dozing, disking, raking, seeding (native or naturalized species only), fertilizing and liming), brush-hog/saw removal of competing trees and establishment on native hard and soft mast producers such as red oak, crabapple or others.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> <u>Treatments:</u></p> <p><u>Acceptable</u> grass and fruit trees <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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91	41179091-Cut	3.5	429 - Mixed Upland Conifers	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Clearcut with retention: Remove all species within stand, retention should be left in a pocket.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable any species found on site prior to harvest.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2030

92	41179092-Cut	4.7	42310 - Planted Spruce	Sawtimber Well	87	81-110	Harvest	Clearcut with Retention	429 - Mixed Upland Conifers	Even-Aged	No
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Prescription Clearcut with retention: Remove all species within stand leaving a retention pocket on the north end of the stand.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species found on site prior to harvest.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2030

99	41179099-Cut	16.9	4130 - Aspen	Poletimber Well	37	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with no Retention: Cut all tree species down to 2" dbh, in accordance with the GEMS plan.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species that is on site prior to harvest.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025

101	41179101-Cut	14.8	4134 - Aspen, Spruce/Fir	Poletimber Well	49	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
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Prescription Clear-cut with no retention: Cut all tree species down to 2' dbh, in accordance to the GEMS plan.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any species that was on site prior to harvest.

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/1 /2025



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

20	41179020-Cut	30.2	330 - Low-Density Trees	Nonstocked			Harvest	Clearcut	3102 - Grass		No
<p><u>Prescription</u> Clearcut all species on site down to 2" to keep site an opening. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Grass <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
21	41179021-Cut	1.3	4139 - Aspen, Mixed Deciduous	Poletimber Well	31	1-50	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut stand according to the GEMS plan. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> any species on site prior to harvest. <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>											
108	41179050-Cut	12.8	4134 - Aspen, Spruce/Fir	Poletimber Well	47	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut stand in accordance to GEMS plan. <u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u></p> <p><u>Acceptable</u> Aspen <u>Regen:</u></p> <p><u>Other</u> <u>Comment:</u></p> <p><u>Site Condition:</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
58 41179058-Cut	3.4	320 - Upland Shrub	Nonstocked		Unspecified	Harvest	Clearcut	3105 - Mixed Upland Herbaceous		No
<p><u>Prescription</u> Clearcut all trees down to 2" to kep stand as a grass opening. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Grass and fruit trees. <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2023</p>										
71 41179071-Cut	2.1	4136 - Aspen, Mixed Conifer	Poletimber Well	47	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clear-cut stand in Accordance to the GEMS plan. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen <u>Regen:</u> <u>Other Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2021</p>										
86 41179086-Cut	23.2	4130 - Aspen	Poletimber Well	71	111-140	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Cut in accordance of the GEMS plan <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> Proposed Start Date: 10/1 /2021</p>										

Total Treatment 641.8
Acres Proposed:

Report 4 – Site Conditions

Shingleton Mgt. Unit
Scott Kentner : Examiner

Compartment: 179
Year of Entry: 2024

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	MC
		With Condition	Not Available			
418	344	74	0	Aspen	71	2
1	1	0	0	Bog		
39	39	0	0	Cedar		
27	27	0	0	Cropland		
25	25	0	0	Herbaceous Openland		
61	61	0	0	Low-Density Trees		
3	3	0	0	Lowland Aspen/Balsam Poplar		
50	50	0	0	Lowland Mixed Forest		
77	77	0	0	Lowland Shrub		
11	0	11	0	Lowland Spruce/Fir	11	
7	7	0	0	Marsh		
14	14	0	0	Mixed Upland Deciduous		
672	667	5	0	Northern Hardwood	5	
3	3	0	0	Upland Conifers		
54	54	0	0	Upland Mixed Forest		
149	149	0	0	Upland Shrub		
17	17	0	0	Upland Spruce/Fir		
6	6	0	0	Urban		
8	8	0	0	Water		
1,641	1,551	90		Total Forested Acres	88	2
	95%	5%	0%	Relative Percent		

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Hold stand and manage according to the GEMS Plan							

Report 4 – Site Conditions

Shingleton Mgt. Unit
 Scott Kentner : Examiner

Compartment: 179
 Year of Entry: 2024

2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold stand and manage according to the GEMS Plan							
3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold stand and manage according to the GEMS Plan							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold stand and manage according to the GEMS Plan							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hold stand and manage according to the GEMS Plan							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
1	4110 - Sugar Maple Association	Sawtimber Well	16.0	93	81-110	N/A	North Gem Mix 41-021-14-01. Stand was select cut to 80 BA. Most Beech removed. understory is full of beech regen.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple		5	Log/Pole/XLog	10		Red Maple	Low	< 5 feet	Sapling
Yellow Birch		2	Log/Pole/XLog	10		Beech	Full	< 5 feet	Sapling
Basswood		3	Log/Pole/XLog	12		Balsam Fir	Low	< 5 feet	Sapling
Black Cherry		3	Log/Pole/XLog	10		Black Cherry	Low	< 5 feet	Sapling
Sugar Maple		80	Log/XLog/Pole	12	93	Sugar Maple	Medium	< 5 feet	Sapling
Hemlock		2	Log/Pole/XLog	12					
Beech		3	Log/Pole/XLog	10					
White Spruce		2	Log/Pole/XLog	12					
2	4110 - Sugar Maple Association	Sawtimber Well	8.0	91	111-140	N/A	Cut in summer of 2002 under rainbow hardwoods #14-02. stand has lots of advanced regen that should be released.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch		2	Log/Pole	10		Yellow Birch	Medium	Variable	Sapling
Basswood		2	Log/Pole	12		Red Maple	Medium	Variable	Sapling
White Spruce		2	Log/Pole	12		Sugar Maple	High	Variable	Sapling
Beech		2	Log/Pole	12					
Hemlock		2	Log/Pole	12					
Red Maple		8	Log/Pole	13					
Sugar Maple		80	Log/Pole	10	91				
Black Cherry		2	Log/Pole	10					
3	6120 - Lowland Cedar	Poletimber Well	10.5	121	81-110	N/A	Mostly cedar with some other species mixed in.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		5	Pole	6		Black Ash	Medium	5 - 10 feet	Sapling
White Spruce		10	Pole/Sap/Log	8		Northern White Cedar	Medium	5 - 10 feet	Sapling
Northern White Cedar		60	Pole/Sap/Log	7	121				
Hemlock		5	Log/Pole	10					
Black Ash		10	Pole/Sap/Log	6					
Red Maple		8	Pole/Sap/Log	6					
American Elm		2	Pole/Sap/Log	6					
4	4115 - Y.Birch, Hemlock NH	Sawtimber Well	5.1	91	81-110	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir		5	Pole/Log/Sap	8		Hemlock	Low	< 5 feet	Sapling
Northern White Cedar		5	Pole/Log/Sap	7		Black Cherry	Low	< 5 feet	Sapling
Hemlock		15	Pole/Log/Sap	8		Balsam Fir	Medium	< 5 feet	Sapling
Red Maple		25	Log/Pole/XLog	10		Red Maple	Medium	< 5 feet	Sapling
Yellow Birch		10	Pole/Sap/Log	8		Sugar Maple	Low	< 5 feet	Sapling
Sugar Maple		40	Log/Pole/XLog	12	91	White Pine	Low	< 5 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																								
5	4112 - Maple, Beech, Cherry Association	Sawtimber Well	1.7	91	81-110	N/A	North GEM mix 41-021-14-01. Stand select cut to 80. Most beech removed. regen is mostly beech.																																																								
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6	4130 - Aspen	Poletimber Well	17.2	37	81-110	N/A	This aspen stand is growing well it looks good with a lot of balsam mixed in as well as some ironwood and mixed hardwood as well.																																																								
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7	6233 - Wet Meadow	Nonstocked	0.6			No																																																									
8	6120 - Lowland Cedar	Sawtimber Well	28.1	122	111-140	N/A																																																									
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9	31022 - Warm Season Grass	Nonstocked	2.1			Managed Opening	Crab apple trees planted summer 2015. Area tilled and planted with grasses.																																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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10 4199 - Other Mixed Upland Deciduous Sapling Well 13.6 17 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	2	Sapling	1	
White Pine	2	Log	10	
Sugar Maple	2	Sapling	3	
Hemlock	5	Sapling	1	
Paper Birch	5	Sapling	3	
Quaking Aspen	20	Sapling	3	17
Black Spruce	5	Sapling	1	
Red Maple	34	Sapling	3	17
Black Cherry	20	Sapling	3	17
Balsam Fir	5	Sapling	1	

11 4119 - Mixed Northern Hardwoods Sawtimber Well 5.6 91 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	2	Log/Pole	10	
Red Maple	10	Log/Pole	12	
Balsam Fir	15	Sapling/Pole	4	
Paper Birch	2	Log/Pole	10	
Beech	4	Log/Pole	10	
Basswood	2	Log/Pole	10	
Sugar Maple	65	Log	12	91

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	Sapling
Beech	High	5 - 10 feet	Sapling

This is a medium quality hardwood site with much balsam fir in the understory. This stand was cut in the 2005 YOE under rainbow hardwood the sale closed in 2007. understory is now heavily populated with beech

12 6139 - Mixed Lowland Forest Poletimber Well 46.3 76 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
White Pine	2	Log/Pole	12	
Black Spruce	5	Pole/Sapling	7	
Red Maple	25	Pole/Sapling	7	76
Hemlock	5	Pole	8	
White Spruce	5	Pole/Log/Sap	8	
Quaking Aspen	8	Pole/Log	8	
Paper Birch	10	Pole	8	
Northern White Cedar	7	Pole	8	
Yellow Birch	8	Pole/Sapling	7	
Black Ash	5	Pole	6	
Balsam Fir	20	Pole	7	91

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	Sapling
Northern White Cedar	Low	5 - 10 feet	Sapling
Black Ash	Low	5 - 10 feet	Sapling
Tag Alder	Low	5 - 10 feet	Tall Shrub
Red Maple	Low	5 - 10 feet	Sapling

Very wet ground in some areas. mix of deciduous and coniferous trees size is mostly pulp due to poor soils.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.8 78 51-80 N/A North GEM mix. 41-021-14-01. Stand was select cut. most beech removed.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	20	Log	10		Sugar Maple	Low	5 - 10 feet	Sapling
Quaking Aspen	2	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Bigtooth Aspen	2	Pole	8					
Balsam Fir	4	Pole	8					
White Spruce	2	Pole	8					
Sugar Maple	70	Log	10	78				

14 4119 - Mixed Northern Hardwoods Poletimber Well 4.0 91 51-80 N/A North GEM mix 41-021-14-01. Select cut to 80. most beech removed.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	18	Pole/Sap/Log	8		Beech	Low	Variable	Sapling
Black Cherry	4	Pole	8		Red Maple	Low	Variable	Sapling
Beech	2	Pole	8		Yellow Birch	Low	Variable	Sapling
Quaking Aspen	5	Pole	8		Sugar Maple	Low	Variable	Sapling
Balsam Fir	5	Pole/Log/Sap	8					
Paper Birch	4	Pole/Sap/Log	8					
Sugar Maple	49	Pole/Log	8	91				
Hemlock	4	Pole/Sap/Log	8					
Basswood	4	Log/Pole/XLog	10					
White Spruce	5	Pole	8					

15 330 - Low-Density Trees Nonstocked 1.4 Managed Opening Managed small stand as Wildlife opening according to GEMS Plan.

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Trace	5 - 10 feet	Sapling
White Spruce	Low	>20 feet	Pole
Red Maple	Trace	5 - 10 feet	Tall Shrub

16 622 - Lowland Shrub Nonstocked 6.0 Unspecified No

17 4112 - Maple, Beech, Cherry Association Sawtimber Well 12.4 81 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Beech	5	Log/Pole	12		Sugar Maple	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Log/Pole	12		Red Maple	Medium	5 - 10 feet	Sapling
Hemlock	3	Log/Pole	12		Beech	Full	5 - 10 feet	Sapling
White Pine	2	Log/Pole	12		Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	55	Log	14	81	Black Cherry	Low	5 - 10 feet	Sapling
Red Maple	20	Log/Pole	12					
Black Cherry	5	Log/Pole	12					
Basswood	5	Log/Pole	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
18	4112 - Maple, Beech, Cherry Association	Poletimber Well	3.0	78	51-80	N/A	North GEM mix 41-021-14-01 Stand was select cut, most beech removed.																																																			
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19	330 - Low-Density Trees	Nonstocked	1.5		Immature	Managed Opening	Managed small stand as Wildlife opening according to GEMS Plan. filling in with Spruce.																																																			
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20	330 - Low-Density Trees	Nonstocked	37.0			No	Crab apple trees planted summer 2015. stand is filling with trees, should be cut to recreate opening via timber sale																																																			
21	4139 - Aspen, Mixed Deciduous	Poletimber Well	1.3	31	1-50	N/A	North GEM mix 41-021-14-01, Stand was not harvested																																																			
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22	500 - Water	Nonstocked	8.3			No	Drainage and flooding.																																																			
23	4319 - Mixed Upland Forest	Poletimber Well	26.8	49	81-110	N/A	Aspen with spruce pockets, manage according to Gems plan.																																																			
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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24	4119 - Mixed Northern Hardwoods	Poletimber Well	20.2	91	51-80	N/A	North GEM mix 41-021-14-01 stand was select cut most beech removed. understory full of beech			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Paper Birch		2	Pole/Log	8		Hemlock		Low	< 5 feet	Sapling
Balsam Fir		2	Pole/Log	8		Beech		Full	5 - 10 feet	Sapling
White Pine		4	Pole/Log	8		Balsam Fir		Medium	5 - 10 feet	Sapling
Sugar Maple		16	Log	10		Red Maple		Medium	5 - 10 feet	Sapling
Red Maple		60	Pole/Log	8	91					
Basswood		4	Pole/Log	8						
Yellow Birch		2	Pole/Log	8						
Hemlock		10	Pole/Log	8						

25	6239 - Mixed Emergent Wetland	Nonstocked	6.2			No	
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26	4134 - Aspen, Spruce/Fir	Poletimber Well	18.8	37	111-140	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		10	Pole	5		White Spruce		Low	Variable	Sapling
White Spruce		10	Pole	6		Red Maple		Low	Variable	Sapling
Quaking Aspen		68	Pole/Sap/Log	5	37	Balsam Fir		Low	Variable	Sapling
Red Maple		2	Sapling/Pole	4						
Paper Birch		10	Pole	6						

27	330 - Low-Density Trees	Nonstocked	3.3			Managed Opening	Managed stand as Wildlife opening according to GEMS Plan. Stand was cut as part of TS: 41-021-14
Sub-Canopy Species		Density	Avg. Height	Size			
White Spruce		Medium	5 - 10 feet	Sapling			

28	4119 - Mixed Northern Hardwoods	Sawtimber Well	5.2	91	51-80	N/A	harvest in 2011 YOE			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Balsam Fir		5	Pole	8		Beech		Medium	5 - 10 feet	Sapling
American Elm		3	Log/Pole	12		Red Maple		Medium	5 - 10 feet	Sapling
Black Cherry		3	Pole/Log	8		Balsam Fir		Medium	5 - 10 feet	Sapling
Red Maple		10	Log/Pole	12						
Yellow Birch		5	Log/Pole	12						
Basswood		5	Log/Pole	12						
Beech		15	Log/Pole	12						
Paper Birch		5	Log/Pole	12						
Sugar Maple		47	Log/Pole	12	91					
Hemlock		2	Log/Pole	12						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
29	4119 - Mixed Northern Hardwoods	Poletimber Well	4.2	68	51-80	N/A																																																																	
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30	310 - Herbaceous Openland	Nonstocked	1.7			Managed Opening	Managed small stand as Wildlife opening according to GEMS Plan.																																																																
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33	31021 - Cool Season Grass	Nonstocked	1.2			Managed Opening	Grass section along highway H-58.																																																																
34	4110 - Sugar Maple Association	Poletimber Well	6.0	91	81-110	N/A	This stand is a narrow strip of hardwood along H 58 and a FLG private line Basil area varies a bit can but is mostly above 90-100 BA																																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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35	4116 - Mixed N. Hardwood - Aspen	Sapling Well	17.8	9	Immature	N/A	North GEM mix. 41-021-14-01 Stand was clear cut. growing back in with cherry, balsam, and Aspen.
Canopy Species		% Cover	Size Class	DBH	Age		
Black Cherry		60	Sapling	2	9		
Balsam Fir		10	Sapling	3			
Quaking Aspen		30	Sapling	2			

36	123 - Other High Intensity Urban	Nonstocked	5.6			No	H58
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37	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.5	68	111-140	N/A	pole stand with many multiple stem sm. large beech trees		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple		69	Pole/Sapling	6	68	Beech	Low	< 5 feet	Sapling
Basswood		10	Pole/Sapling	6		Balsam Fir	Low	< 5 feet	Sapling
Beech		5	Log	14					
Paper Birch		4	Pole/Sapling	6					
Black Spruce		2	Pole/Sapling	6					
Red Maple		10	Pole	6					

38	4130 - Aspen	Poletimber Well	15.6	35	51-80	N/A	manage according to the Gems plan		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen		70	Pole/Sapling	5	35	White Spruce	Low	< 5 feet	Sapling
Balsam Fir		9	Pole	5		Balsam Fir	Low	< 5 feet	Sapling
White Spruce		7	Pole	5					
Paper Birch		8	Pole	5					
Beech		2	Pole	5					
Red Maple		4	Sapling/Pole	4					

39	4130 - Aspen	Sapling Well	4.9	27	Immature	N/A			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry		5	Sapling/Pole	3		Sugar Maple	Low	5 - 10 feet	Sapling
White Spruce		5	Sapling/Pole	3		Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple		5	Sapling	3					
Red Maple		5	Sapling/Pole	3					
Quaking Aspen		60	Sapling	3	27				
Paper Birch		15	Sapling	3					
Balsam Fir		5	Sapling	3					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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40 4119 - Mixed Northern Hardwoods Poletimber Well 3.1 46 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Beech	Medium	Variable	Sapling
Basswood	7	Pole/Log	8		Red Maple	Low	Variable	Sapling
American Elm	5	Pole	7		Balsam Fir	Medium	Variable	Sapling
Red Maple	40	Pole	6	46	Sugar Maple	Medium	Variable	Sapling
Sugar Maple	27	Log/Pole	12					
Quaking Aspen	6	Pole/Sapling	5					
Paper Birch	10	Pole	6					

41 330 - Low-Density Trees Nonstocked 2.1 Immature Managed Opening Managed small stand as Wildlife opening according to GEMS Plan.

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	High	>20 feet	Sapling
Quaking Aspen	High	10 - 20 feet	Sapling

42 4112 - Maple, Beech, Cherry Association Poletimber Well 2.5 91 81-110 N/A North GEM mix stand was select cut.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
White Spruce	5	Log/Pole	12		Sugar Maple	Low	5 - 10 feet	Sapling
Black Cherry	5	Pole/Log	8		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	25	Pole/Log	8					
Beech	2	Pole/Log	8					
Paper Birch	5	Pole/Log	8					
Sugar Maple	53	Pole/Log	8	91				

43 4130 - Aspen Sapling Well 17.7 23 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Paper Birch	5	Sapling	3	
Balsam Fir	5	Sapling/Pole	3	
White Spruce	8	Sapling/Pole	3	
Quaking Aspen	74	Sapling/Pole	4	23
Sugar Maple	4	Sapling	2	
Red Maple	4	Sapling/Pole	2	

44 42320 - Upland Spruce Poletimber Well 9.4 69 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	60	Pole	9	69	White Spruce	Medium	< 5 feet	Sapling
Red Maple	5	Pole	5		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen	30	Pole	6					
Balsam Fir	5	Pole	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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45 4112 - Maple, Beech, Cherry Association Poletimber Well 1.4 91 81-110 N/A lower quality maple stand, suggestion would be to harvest with adjacent aspen stand is ready for harvest.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	5	Pole	8		Sugar Maple	Medium	5 - 10 feet	Sapling
Basswood	5	Pole	8		Balsam Fir	Medium	5 - 10 feet	Sapling
Beech	15	Log/Pole	12					
Red Maple	45	Pole/Log	8	91				
Sugar Maple	20	Pole	8					
Balsam Fir	10	Pole	8					

46 4130 - Aspen Poletimber Well 12.5 31 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Bigtooth Aspen	10	Pole/Sapling	5	
White Spruce	5	Sapling	3	
Balsam Fir	5	Sapling	3	
Paper Birch	5	Sapling/Pole	4	
Quaking Aspen	70	Pole/Sapling	5	31
Sugar Maple	5	Pole/Sapling	5	

47 4112 - Maple, Beech, Cherry Association Sawtimber Well 1.0 91 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Hemlock	3	Pole/Log	9		Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	40	Log	10	91				
Red Maple	31	Pole	9					
Beech	20	Log	12					
Balsam Fir	3	Pole	9					
White Spruce	3	Log/Pole	10					

48 4130 - Aspen Sapling Well 14.6 23 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Sapling	3	23
Paper Birch	5	Sapling	3	
Black Cherry	15	Sapling	3	
Balsam Fir	5	Sapling	2	
White Spruce	5	Sapling	2	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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49 6122 - Black Spruce Poletimber Well 10.9 78 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	5	Pole	6		Tag Alder	Medium	5 - 10 feet	Tall Shrub
Balsam Fir	5	Pole	8		Quaking Aspen	Medium	5 - 10 feet	Sapling
Black Spruce	65	Pole	8	78	Balsam Fir	Medium	5 - 10 feet	Sapling
White Spruce	15	Pole	8					
Quaking Aspen	5	Pole	8					
Red Maple	5	Pole	6					

50 4134 - Aspen, Spruce/Fir Poletimber Well 15.7 47 81-110 N/A manage according to the Gems plan

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	5	Pole	8		Ironwood	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	8		Sugar Maple	Low	5 - 10 feet	Sapling
Quaking Aspen	52	Pole	7	47				
Balsam Fir	5	Pole	8					
White Spruce	20	Pole	8					
Yellow Birch	3	Pole	8					

51 6225 - Bog Nonstocked 1.0 No

52 4130 - Aspen Sapling Well 4.9 15 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling	3	
Paper Birch	3	Sapling	3	
Quaking Aspen	75	Sapling	3	15
Hemlock	2	Pole	8	
Sugar Maple	5	Sapling	1	

53 4112 - Maple, Beech, Cherry Association Sawtimber Medium 7.1 91 51-80 N/A south GEM Mix TS: 41-022-14-01 Unit 1

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	62	Log	10	91	Balsam Fir	Medium	5 - 10 feet	Sapling
Quaking Aspen	5	Log/Pole	12		Beech	Full	< 5 feet	Sapling
Red Maple	18	Pole	8		Sugar Maple	Low	5 - 10 feet	Sapling
Yellow Birch	5	Pole/Log	8					
White Spruce	5	Log/Pole	12					
Black Cherry	5	Pole	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																																	
54	4130 - Aspen	Sapling Poor	3.9	9	Immature	N/A	Managed small stand as Wildlife opening according to GEMS Plan. stand is now forested with aspen, spruce, cherry																																																																																	
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55	4110 - Sugar Maple Association	Poletimber Well	4.2	91	81-110	N/A	This stand is a narrow strip of hardwood along H 58 and a FLG private line Basal area varies a bit can but is mostly above 90-100 BA																																																																																	
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56	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.7	91	51-80	N/A	South GEM Mix TS: 41022-14-01unit 3																																																																																	
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57	310 - Herbaceous Openland	Nonstocked	1.4			Managed Opening	Managed small stand as Wildlife opening according to GEMS Plan.																																																																																	
58	320 - Upland Shrub	Nonstocked	148.8		Unspecified	Managed Opening																																																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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60 4112 - Maple, Beech, Cherry Association Sawtimber Well 3.0 91 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	50	Log	11	91	Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	15	Log	10		Ironwood	Low	5 - 10 feet	Sapling
Yellow Birch	5	Pole/Log	8		Beech	Full	< 5 feet	Sapling
Basswood	5	Pole/Log	9		Sugar Maple	Low	5 - 10 feet	Sapling
Beech	15	Log	12					
Black Cherry	10	Pole/Log	8					

61 4134 - Aspen, Spruce/Fir Poletimber Well 20.9 49 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	60	Pole/Sap/Log	8	49	Red Maple	Low	5 - 10 feet	Sapling
Balsam Fir	10	Pole	6		Balsam Fir	Low	5 - 10 feet	Sapling
White Spruce	10	Pole/Log/Sap	6		Quaking Aspen	Low	5 - 10 feet	Sapling
Ironwood	2	Pole/Sap/Log	5		White Spruce	Low	5 - 10 feet	Sapling
White Pine	3	Pole	6					
Red Maple	5	Pole	6					
Paper Birch	10	Pole/Log	8					

62 4130 - Aspen Poletimber Well 3.5 47 1-50 N/A manage according to the Gems plan, lower quality stand.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	5	Pole	6		Balsam Fir	Low	5 - 10 feet	Sapling
Bigtooth Aspen	5	Pole	7		White Pine	Low	5 - 10 feet	Sapling
Sugar Maple	5	Pole	6					
Quaking Aspen	80	Pole	5	47				
Red Maple	5	Pole	6					

63 4112 - Maple, Beech, Cherry Association Sawtimber Well 1.1 91 51-80 N/A Cut as South GEMS mix, 2014.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	30	Log	12		Beech	Full	5 - 10 feet	Sapling
Paper Birch	5	Log	12		Sugar Maple	Low	5 - 10 feet	Sapling
Balsam Fir	5	Pole	8					
Sugar Maple	55	Log/Pole	10	91				
White Spruce	5	Log	12					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	4319 - Mixed Upland Forest	Poletimber Well	9.8	49	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		30	Pole	8	68	Balsam Fir	
Paper Birch		10	Pole	6		Sugar Maple	
Balsam Fir		15	Pole	6		Density	
Black Cherry		5	Pole	7		Avg. Height	
White Spruce		40	Pole	7	49	Size	
65	4119 - Mixed Northern Hardwoods	Sawtimber Well	51.9	91	141-170	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		10	Log	10		Red Maple	
Black Cherry		5	Pole/Log	8		Sugar Maple	
Yellow Birch		4	Pole/Log	8		Yellow Birch	
Quaking Aspen		17	Pole	8		Density	
Balsam Fir		8	Pole/Log/Sap	7		Avg. Height	
Basswood		7	Pole/Log/Sap	8		Size	
White Spruce		4	Log/Pole	12			
Sugar Maple		40	Log	10	91		
Hemlock		3	Pole/Log/Sap	8			
Beech		2	Log/Pole	12			
66	4130 - Aspen	Sapling Well	4.2	7	Immature	N/A	South GEM Mix TS: 41-022-14-01 Unit 5
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		3	Sapling	1		Balsam Fir	
Quaking Aspen		85	Sapling	1	7	Density	
Red Maple		12	Sapling	1		Avg. Height	
						Size	
67	4119 - Mixed Northern Hardwoods	Sawtimber Well	29.6	91	111-140	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Basswood		5	Log/Pole	10		Sugar Maple	
Beech		5	Log/Pole	10		Hemlock	
Balsam Fir		4	Log/Pole	10		Black Cherry	
Sugar Maple		60	Log	12	91	Red Maple	
Red Maple		9	Log	12		Density	
White Spruce		5	Log/Pole	10		Avg. Height	
Black Cherry		5	Log/Pole	10		Size	
Yellow Birch		5	Log/Pole	10			
Hemlock		2	Log/Pole	10			
68	330 - Low-Density Trees	Nonstocked	4.2		Unspecified	Managed Opening	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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69 4112 - Maple, Beech, Cherry Association Sawtimber Well 11.6 91 51-80 N/A Myren Jct. Hardwoods unit 9. TCR - 1/5/16

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	3	Pole	8		Red Maple	Medium	5 - 10 feet	Sapling
Paper Birch	2	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Balsam Fir	3	Pole	8		Sugar Maple	Low	5 - 10 feet	Sapling
Quaking Aspen	2	Pole	8					
White Spruce	3	Pole	8					
Red Maple	35	Log/Pole	12					
Sugar Maple	46	Log/Pole	12	91				
Black Cherry	6	Pole	8					

70 4134 - Aspen, Spruce/Fir Sapling Well 11.0 27 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	4	Sapling/Pole	4		Sugar Maple	Low	< 5 feet	Sapling
Sugar Maple	3	Sapling/Pole	4		Red Maple	Low	< 5 feet	Sapling
Paper Birch	10	Sapling/Pole	4		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen	50	Sapling/Pole	4	27	Black Cherry	Low	< 5 feet	Sapling
Red Maple	4	Sapling/Pole	4		White Spruce	Low	< 5 feet	Sapling
Bigtooth Aspen	8	Sapling/Pole	4					
Balsam Fir	10	Sapling/Pole	4					
White Spruce	11	Sapling/Pole	4					

71 4136 - Aspen, Mixed Conifer Poletimber Well 2.1 47 51-80 N/A manage according to the Gems plan

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	6		Quaking Aspen	Medium	5 - 10 feet	Sapling
Red Maple	3	Pole	6		Red Maple	Low	5 - 10 feet	Sapling
White Spruce	12	Pole	8					
Quaking Aspen	65	Pole	6	47				
Sugar Maple	5	Pole	6					
White Pine	5	Pole	6					
Black Cherry	5	Pole	6					

72 2113 - Forage Crops Nonstocked 15.0 Managed Opening FTP # w41-1499
Opening was disked, limed, fertilized and seeded with various clovers and rye grasses (August of 2011) Red oak where planted in 2012. Total costs of FTP are 10157.90. The FTP is being left open to allow wildlife to continue habitat management in this stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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73 4110 - Sugar Maple Association Sawtimber Well 103.4 80 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	5	Log	10		Sugar Maple	Medium	5 - 10 feet	Sapling
Yellow Birch	5	Pole/Log	8		Beech	Low	5 - 10 feet	Sapling
Beech	3	Log	10		Balsam Fir	Low	< 5 feet	Sapling
White Spruce	2	Log/Pole	10					
Black Cherry	5	Pole/Log	8					
Sugar Maple	80	Log	14	80				

74 629 - Mixed non-forested wetland Nonstocked 58.0 No Star Creek and series of beaver dam/ponds that have created wetland/water areas.

75 4119 - Mixed Northern Hardwoods Sawtimber Well 18.3 91 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Beech	Low	5 - 10 feet	Sapling
White Spruce	5	Log	12		Red Maple	Low	5 - 10 feet	Sapling
Sugar Maple	52	Log	12	91	Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	3	Log	12		White Spruce	Low	5 - 10 feet	Sapling
Basswood	10	Log	12		Sugar Maple	Low	5 - 10 feet	Sapling
Beech	2	Log	12					
Red Maple	10	Log	12					
Black Cherry	5	Log	12					
Quaking Aspen	5	Pole/Log	8					
Yellow Birch	3	Log	12					

76 2113 - Forage Crops Nonstocked 12.2 Managed Opening Wildlife managed opening

77 3102 - Grass Nonstocked 18.6 Unspecified Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	10 - 20 feet	Sapling
Red Maple	Medium	10 - 20 feet	Sapling
Quaking Aspen	High	10 - 20 feet	Sapling



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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79 4112 - Maple, Beech, Cherry Association Sawtimber Well 65.0 91 51-80 N/A Stand was select cut in 2014 - TS 41-020-12-01..

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	2	Log/Pole	10		Sugar Maple	Low	5 - 10 feet	Sapling
Balsam Fir	2	Pole/Log/Sap	8		Red Maple	Low	5 - 10 feet	Sapling
White Pine	3	Log/Pole	12		Yellow Birch	Low	5 - 10 feet	Sapling
Hemlock	3	Log/Pole	10		Black Cherry	Low	5 - 10 feet	Sapling
Sugar Maple	60	Log	10	91				
Black Cherry	5	Log/Pole	10					
Yellow Birch	5	Log/Pole	10					
Basswood	5	Log	12					
Red Maple	15	Log	10					

80 4130 - Aspen Sapling Medium 10.0 7 Immature N/A South GEM Mix TS: 41-022-14-01 unit 6

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling	1	
White Spruce	10	Sapling	2	
Quaking Aspen	70	Sapling	1	7
Black Cherry	10	Sapling	1	

81 330 - Low-Density Trees Nonstocked 5.4 Managed Opening

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Medium	5 - 10 feet	Sapling

W41-1499
W41-1499
Oak was Planted in the opening. The FTP is being left open to allow wildlife to continue habitat management in this stand.

84 4119 - Mixed Northern Hardwoods Sawtimber Well 241.0 91 51-80 N/A Myren Jct Hardwoods units 1-8 TCR - 1/5/16

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine	2	Log	12		Balsam Fir	Low	Variable	Sapling
Sugar Maple	50	Log/Pole	10	91	Yellow Birch	Low	Variable	Sapling
Hemlock	5	Pole/Log	8		Sugar Maple	Medium	Variable	Sapling
Basswood	10	Pole/Log	8		Beech	Low	Variable	Sapling
Red Maple	10	Log/Pole	12		Black Cherry	Low	Variable	Sapling
Black Cherry	10	Pole/Log	8					
Beech	5	Log/Pole	10					
Yellow Birch	2	Log/Pole	10					
White Spruce	3	Pole/Log/Sap	8					
Balsam Fir	3	Pole/Log	8					

85 4130 - Aspen Sapling Well 19.6 7 Immature N/A North Gem Mix 41-021-14-01. Stand clear-cut.

Canopy Species	% Cover	Size Class	DBH	Age
Black Cherry	10	Sapling	2	
Balsam Fir	5	Sapling	3	
Quaking Aspen	85	Sapling	2	7



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
86	4130 - Aspen	Poletimber Well	23.2	71	111-140	N/A																																																		
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87	4134 - Aspen, Spruce/Fir	Poletimber Well	3.1	49	81-110	N/A	Aspen with mix of spruce, manage according to Gems plan.																																																	
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89	4139 - Aspen, Mixed Deciduous	Sapling Well	17.7	8	Immature	N/A	North GEM mix. 41-021-14-01 Stand was clear cut.																																																	
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90	622 - Lowland Shrub	Nonstocked	12.9	0		6112 - Lowland Aspen	North GEM mix. Stand was clear cut. some regeneration is starting to come back in, aspen, red maple, black cherry sprouts. low ground will make for slow re growth.																																																	
91	429 - Mixed Upland Conifers	Sawtimber Well	3.5	87	81-110	N/A																																																		
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
92	42310 - Planted Spruce	Sawtimber Well	4.7	87	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		85	Log	10	87	Quaking Aspen	
Quaking Aspen		10	Pole	8		White Spruce	
Black Cherry		5	Pole	8		Density	
						Avg. Height	
						Size	
93	4134 - Aspen, Spruce/Fir	Sawtimber Well	0.8	59	81-110	N/A	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
White Spruce		40	Log	10	87	White Spruce	
Quaking Aspen		50	Pole/Log	9	59	Density	
Black Cherry		10	Pole	8		Avg. Height	
						Size	
94	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	3.0	87	111-140	N/A	this spruce stand was left as a wind break for H58 in 2014.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		35	Pole	8		Balsam Fir	
White Spruce		65	Pole/Log	9	87	White Spruce	
						Quaking Aspen	
						Density	
						Avg. Height	
						Size	
95	4319 - Mixed Upland Forest	Poletimber Well	2.0	87	81-110	N/A	Mixed age spruce, aspen and maple. stand was left as wind break for county hwy.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		5	Pole	8		Balsam Fir	
Black Cherry		2	Pole	8		Density	
Paper Birch		3	Pole	8		Avg. Height	
White Spruce		50	Pole	8	87	Size	
Quaking Aspen		40	Pole	8			
96	4130 - Aspen	Sapling Well	16.1	7	Immature	N/A	South GEM Mix TS: 41-022-14-01 unit 2
Canopy Species		% Cover	Size Class	DBH	Age		
White Spruce		5	Sapling	2			
Quaking Aspen		60	Sapling	1	7		
Black Cherry		10	Sapling	1			
Red Maple		25	Sapling	1			
97	4110 - Sugar Maple Association	Sawtimber Well	2.7	91	81-110	N/A	Cut in 2004 in Rainbow hardwood sale, with adjacent compartment.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		5	Log/XLog/Pole	12		Balsam Fir	
Beech		5	Log/XLog/Pole	12		Sugar Maple	
Black Cherry		5	Log/XLog/Pole	12		Red Maple	
Sugar Maple		80	Log/Pole/XLog	12	91	Density	
Hemlock		5	Log/XLog/Pole	12		Avg. Height	
						Size	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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98 6139 - Mixed Lowland Forest Poletimber Well 4.0 59 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	20	Pole	5		Black Ash	Medium	10 - 20 feet	Sapling
Red Maple	15	Pole	5		Yellow Birch	Low	10 - 20 feet	Sapling
Northern White Cedar	15	Pole	7		Northern White Cedar	Low	5 - 10 feet	Sapling
Yellow Birch	5	Pole	6		Black Spruce	Low	< 5 feet	Sapling
Black Ash	30	Pole	6	59				
Balsam Fir	10	Pole	5					
Paper Birch	5	Pole	8					

99 4130 - Aspen Poletimber Well 16.9 37 81-110 N/A

This aspen stand is growing well it looks good with a lot of balsam mixed in as well as some ironwood and mixed hardwood as well.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	67	Pole/Sapling	5	37	Balsam Fir	Medium	5 - 10 feet	Sapling
Balsam Fir	10	Pole/Sapling	5		Red Maple	Low	5 - 10 feet	Sapling
Ironwood	3	Sapling/Pole	3		White Spruce	Low	5 - 10 feet	Sapling
Sugar Maple	5	Sapling	2		Black Cherry	Low	5 - 10 feet	Sapling
Paper Birch	15	Sapling/Pole	4					

100 4130 - Aspen Poletimber Well 13.0 49 81-110 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	12	Pole	6		Balsam Fir	Low	< 5 feet	Sapling
Paper Birch	8	Pole/Log	8					
Quaking Aspen	61	Pole	8	49				
Balsam Fir	14	Pole	5					
White Spruce	5	Pole	7					

101 4134 - Aspen, Spruce/Fir Poletimber Well 14.8 49 111-140 N/A

Aspen stand with areas of thick pockets of white spruce. Cut according to GEMS plan.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	8	Pole/Log	8		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen	50	Pole	8	49				
Balsam Fir	25	Pole	7					
White Spruce	5	Pole	7					
Sugar Maple	12	Pole	6					

102 4130 - Aspen Poletimber Well 21.5 49 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Paper Birch	8	Pole/Log	8		Balsam Fir	Low	< 5 feet	Sapling
Quaking Aspen	61	Pole	8	49				
Balsam Fir	14	Sapling/Pole	4					
Sugar Maple	12	Pole	6					
White Spruce	5	Pole	7					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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103 4319 - Mixed Upland Forest Poletimber Well 15.8 49 111-140 N/A aspen and spruce stand manage according to the Gems plan

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	40	Pole/Log	9	49	Quaking Aspen	Medium	5 - 10 feet	Sapling
Paper Birch	10	Pole	6		Balsam Fir	Medium	5 - 10 feet	Sapling
Red Maple	5	Pole	8					
White Spruce	35	Pole/Log	9					
Balsam Fir	10	Pole	5					

104 4112 - Maple, Beech, Cherry Association Sawtimber Well 2.8 91 111-140 N/A this area was split from the stand to north due to a hawk's nest being found during tsale prep last entry. no nest spotted in stand presently. 2021

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	3	Pole/Sap/Log	6		Red Maple	Low	5 - 10 feet	Sapling
Black Cherry	5	Pole/Log	9		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	45	Log/Pole/XLog	10	91	Beech	Medium	5 - 10 feet	Sapling
Yellow Birch	2	Log/Pole/XLog	12					
Beech	10	Log/Pole/XLog	12					
Quaking Aspen	5	Log/Pole	10					
Sugar Maple	25	Log/Pole/XLog	10					
Basswood	5	Log/Pole/XLog	11					

105 4130 - Aspen Poletimber Well 14.7 35 51-80 N/A manage according to the Gems plan

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	70	Pole/Sapling	5	35	Balsam Fir	Low	< 5 feet	Sapling
White Spruce	7	Pole	5		White Spruce	Low	< 5 feet	Sapling
Beech	2	Pole	5					
Paper Birch	8	Pole	5					
Red Maple	4	Sapling/Pole	4					
Balsam Fir	9	Pole	5					

106 4130 - Aspen Sapling Well 12.5 23 Immature N/A

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	70	Sapling	3	23
Black Cherry	15	Sapling	3	
White Spruce	5	Sapling	2	
Balsam Fir	5	Sapling	2	
Paper Birch	5	Sapling	3	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
107	4134 - Aspen, Spruce/Fir	Poletimber Well	13.2	47	51-80	N/A	aspen stand with areas of spruce manage according to the Gems plan.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	5	Pole	8		Sugar Maple	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	8		Ironwood	Low	5 - 10 feet	Sapling
Yellow Birch	3	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Quaking Aspen	52	Pole	6	47				
Sugar Maple	10	Pole	8					
Red Maple	5	Pole	8					
White Spruce	20	Pole	6					

108	4134 - Aspen, Spruce/Fir	Poletimber Well	14.9	47	81-110	N/A	manage according to the Gems plan
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	10	Pole	8		Balsam Fir	Low	5 - 10 feet	Sapling
Red Maple	5	Pole	8		Ironwood	Low	5 - 10 feet	Sapling
Yellow Birch	3	Pole	8		Sugar Maple	Low	5 - 10 feet	Sapling
Paper Birch	5	Pole	8					
Balsam Fir	5	Pole	8					
White Spruce	20	Pole	8					
Quaking Aspen	52	Pole	7	47				

109	4134 - Aspen, Spruce/Fir	Sawtimber Well	13.4	49	81-110	N/A	manage according to the Gems plan
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Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	10	Pole/Log/Sap	6		Balsam Fir	Low	5 - 10 feet	Sapling
White Pine	3	Pole	7		White Spruce	Low	5 - 10 feet	Sapling
Ironwood	2	Pole/Sap/Log	5		Red Maple	Low	5 - 10 feet	Sapling
Paper Birch	10	Pole/Log	8		Quaking Aspen	Low	5 - 10 feet	Sapling
Quaking Aspen	60	Log	10	49				
Balsam Fir	10	Pole	6					
Red Maple	5	Pole	6					

110	6112 - Lowland Aspen	Poletimber Well	2.9	49	51-80	N/A	manage according to the Gems plan
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Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	65	Pole	7	49
Black Cherry	10	Pole	6	
White Spruce	10	Pole/Log	8	
Yellow Birch	5	Pole	6	
Paper Birch	10	Pole	6	