Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32092
Entry Year 2027
Acreage: 2,451
County: Alger
Management Area: Menominee-Marquette

Stand Examiner: Sean Fischer

Legal Description:

T44N R22W, Sections 20, 28, 29, 32, and 33

Identified Planning Goals:

Planning will focus on integrated timber management, forest recreation, fisheries management, and wildlife habitat management. Increasing public access is a high priority. Forest road maintenance, trespass incidents, forest regeneration, forest health, forest fire control, stream crossings, water quality, and any resource damage issues are critical assessments considered during the forest mapping, inventory, public comment, and forest management planning processes.

Soil and topography:

Terrain is mostly level to slightly rolling. Wetlands and drainages are common. Soils range from organic mucks and poorly drained loamy soils to well-drained loams. Major soil series include Kalkaska, Munising, and Keweenaw.

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

This compartment is adjacent to large blocks of state ownership. Delta county is adjacent to the north boundary. There are blocks of Plum Creek lands within and to the east of the compartment. Small private parcels are found along the east central compartment boundary and the north compartment boundary.

Unique Natural Features:

Werner Creek and Deer Creek.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

This compartment contains Werners Creek and Deer Creek which are tributaries to the Whitefish River. Werners Creek and Deer Creek are designated Type 1 trout streams less than 50-ft wide and have predicted mean July water temperatures that range from 65.0 to 66.0 °F (cold streams). 300-ft buffers are recommended for Warners Creek and Deer Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris; and deer wintering complexes. The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Sections 20, 28, 29, 32, & 33, T44N R22W, Alger County
Surface sediments consist of medium-textured till. There is insufficient data to determine the glacial drift thickness (typically less than 25 feet). The Ordovician Trenton Group subcrops below the glacial drift. The Trenton and Black River groups are quarried for stone/dolomite elsewhere in the UP. There are no gravel pits in the area, and potential appears to be limited.

There is no history of mineral leasing in this area. There is no economic oil and gas production in the UP.

Vehicle Access:

Vehicle access to the north and west portions of the compartment are limited. Diffin Road is the north boundary of this compartment, and becomes inaccessible to all wheeled vehicles just past the portable bridge crossing Werner Creek. Two poor forest roads extend south off of Diffin Rd. One is bermed and the other has major resource damage due to extremely wet, ponded conditions and an un-authorized bridge. However, this road provides access to a camp which has been very cooperative with past timber management activities operating across the private parcel. The Deadhorse Road provides the main access through the center of the compartment. A large DNR bridge provides a crossing over Werner Creek. Access to the state 40 east of Thornton Road is problematic.

Survey Needs:

Several survey monuments will need to be placed.

Recreational Facilities and Opportunities:

There are no formal recreation facilities in this compartment. Snowmobiles and ATVs utilize the forest roads. Hunting and wildlife observation are important recreational activities. Fishing opportunities also exist in Werner and Deer Creeks.

Fire Protection:

This compartment has a relatively low risk for wildfire.

Additional Compartment Information:

The Deadhorse Road provides access from Alger county into the large block of state land in Delta county. Compartment falls within Deer Wintering Complex - use winter cut harvesting restrictions on all treatments.

The following reports from the Inventory are attached:

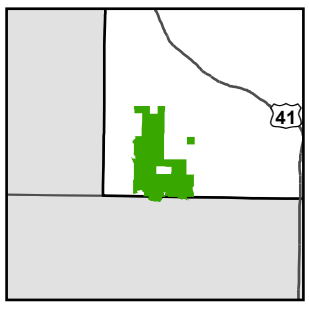
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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

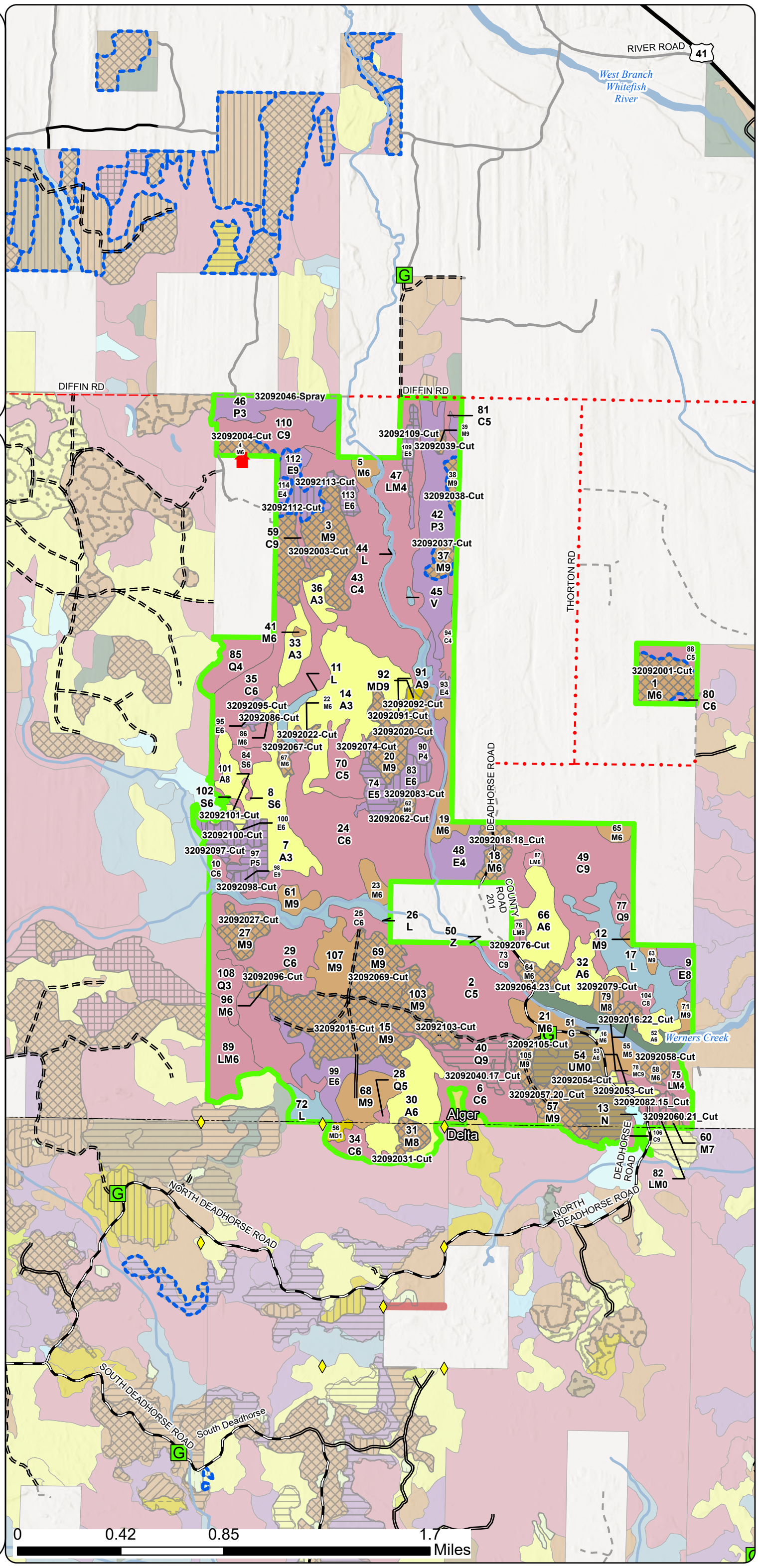
Cover Type & Treatments Map

Compartment: 32092
T44N R22W, Sections 20, 28, 29, 32 & 33
County: Alger
Unit: Gwinn
Mgmt. Area: Menominee-Marquette
YOE: 2027
Acres: 2,451.12 GIS Calculated
Examiner: Sean Fischer
Date Exported: 12/15/2025
Map Phase: Post Review



N

- Survey Grade Corners
- Berm
- Gate
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Selection
- Seed Tree
- Shelterwood
- Pesticide
- Clearcut
- Selection
- Seed Tree
- Shelterwood
- Thinning
- Overstory Removal
- Openings Mgmt.
- Monitoring - Regeneration
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Decidous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 500 - Water
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland



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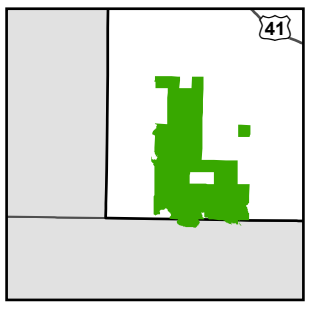

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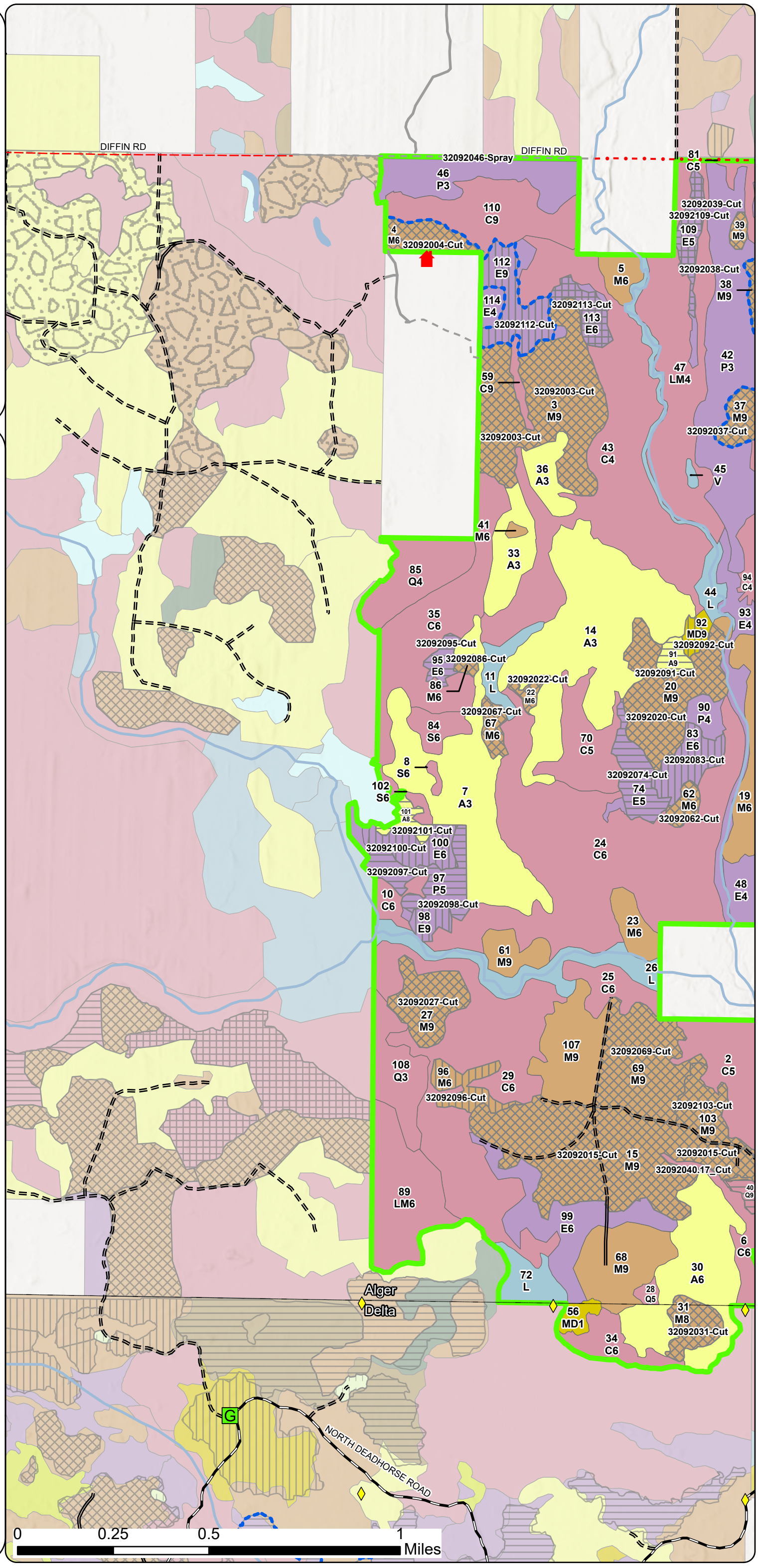

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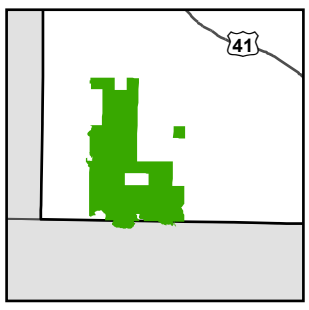

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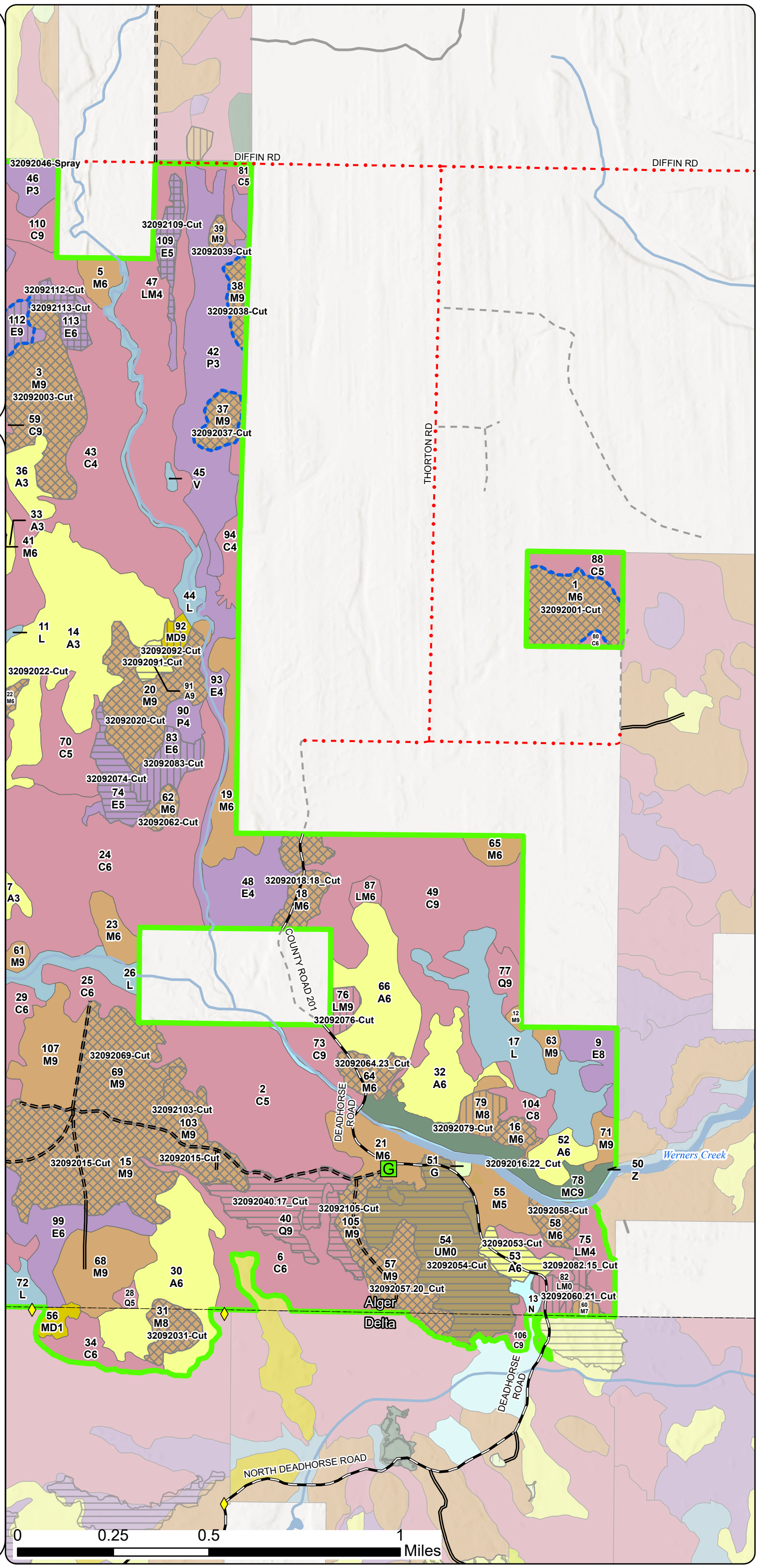

Stand Boundary Map

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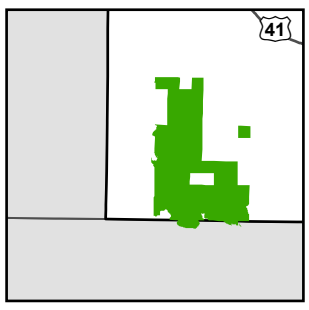

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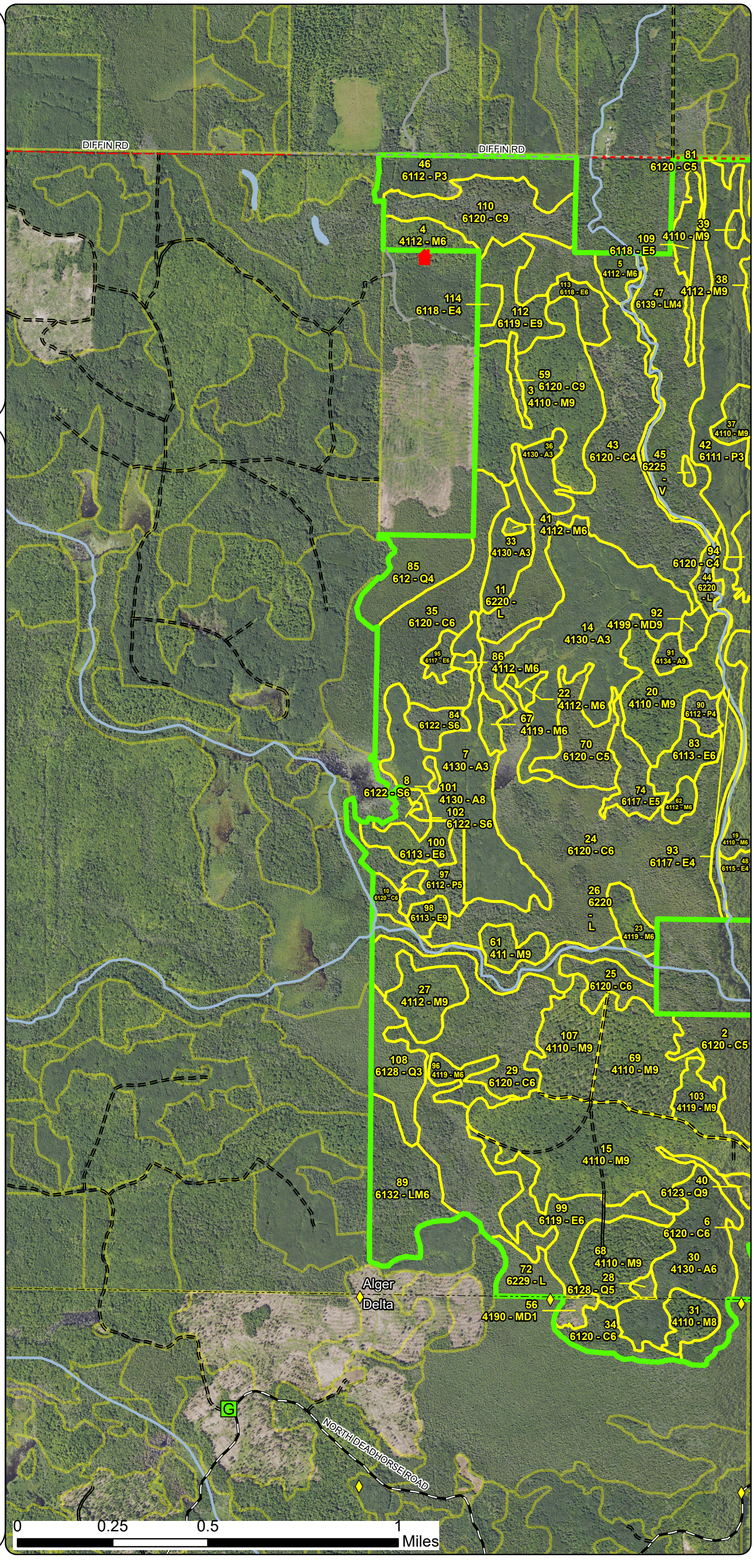

Stand Boundary Map

Compartment: 32092
T45N R21W Sections 23-26, 35, 36
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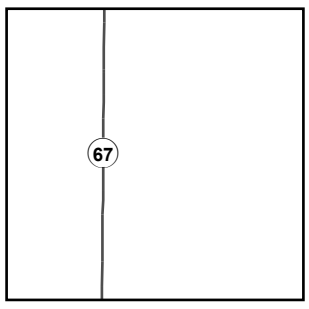
Unit:
Mgmt. Area:
YOE:
Acres: GIS Calculated
Examiner:
Date Exported: 12/15/2025
Map Phase: Post Review



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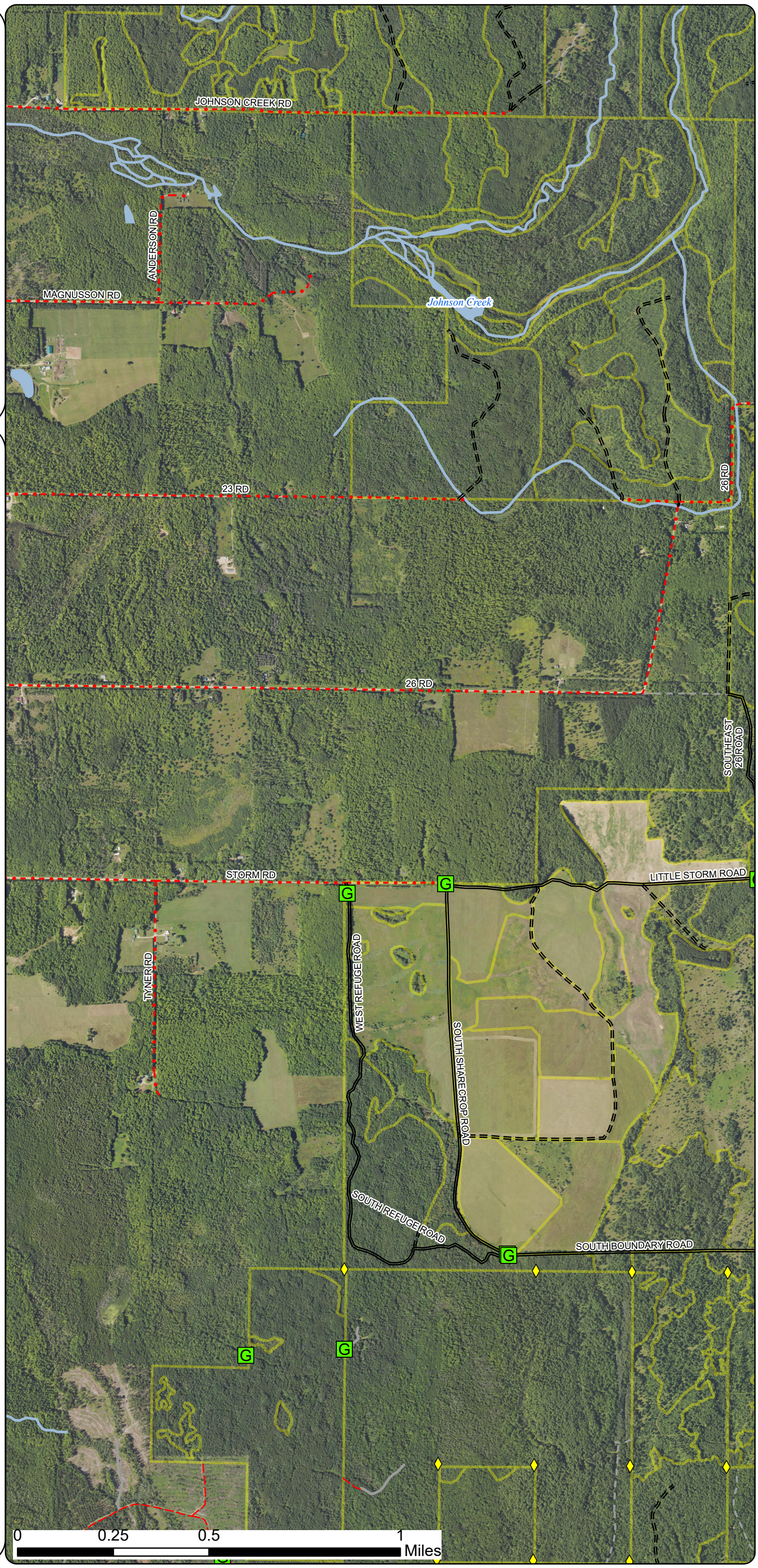
Survey Grade Corners

Gate



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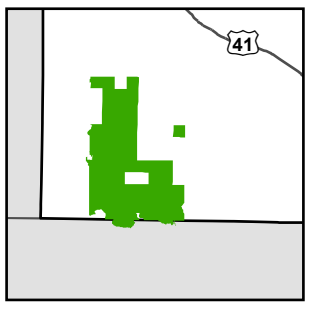

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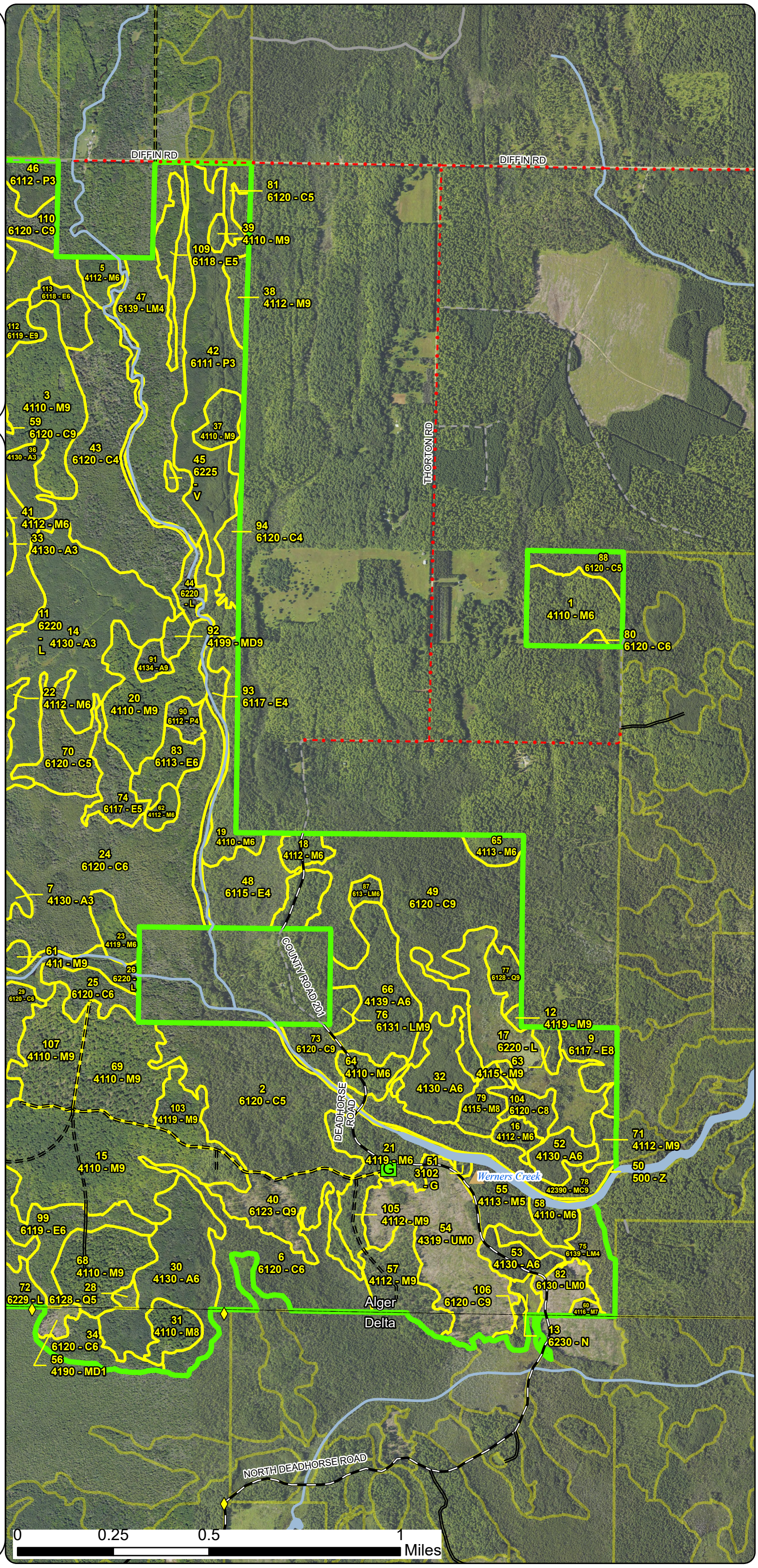

Special Conservation Areas & Site Conditions Map

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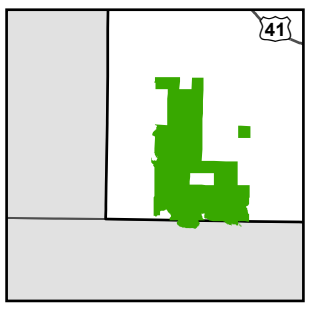

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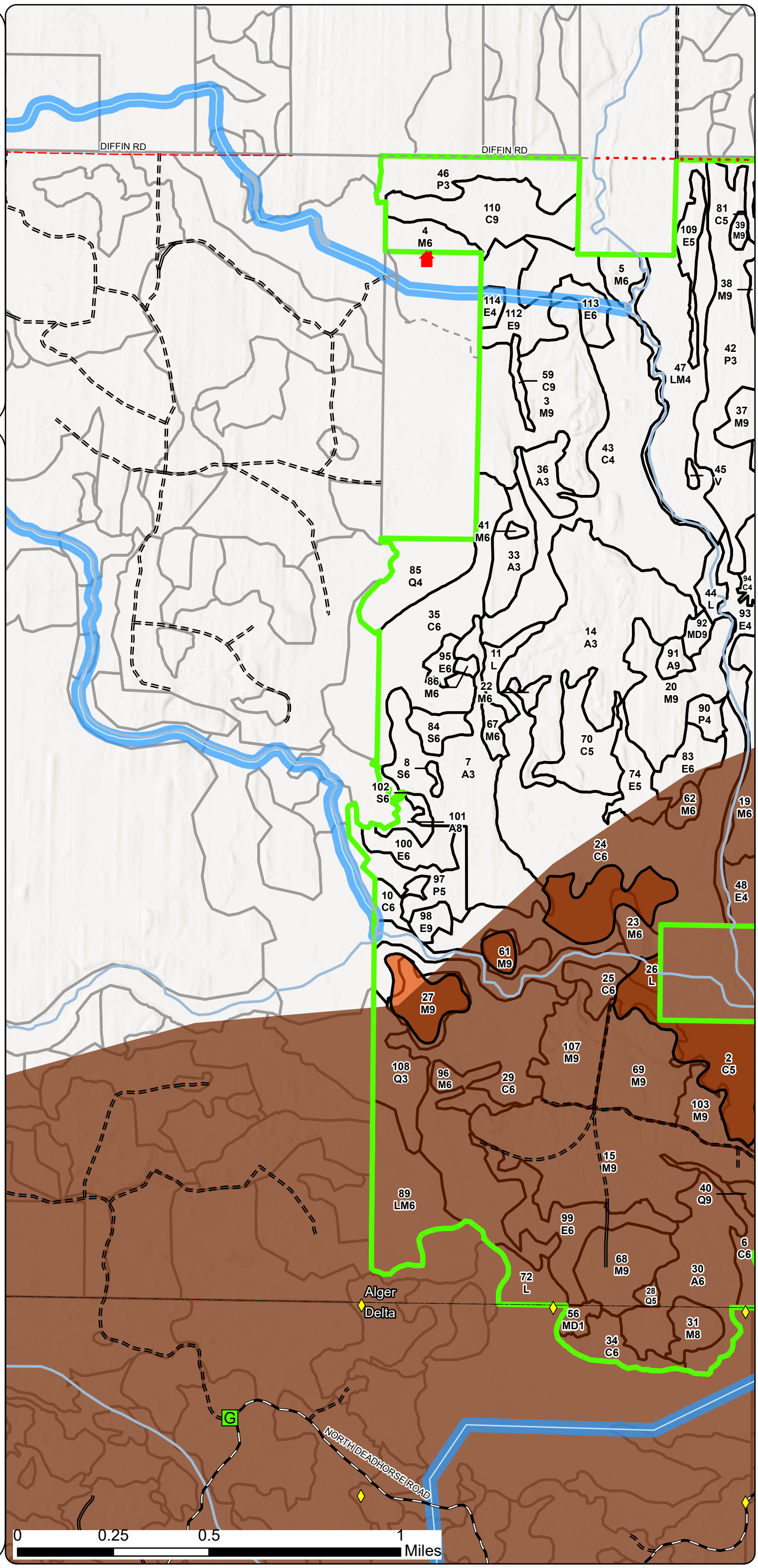
- Compartment Boundary
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Other Habitat Area



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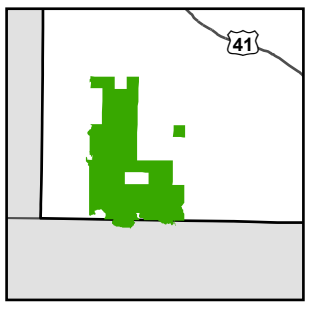

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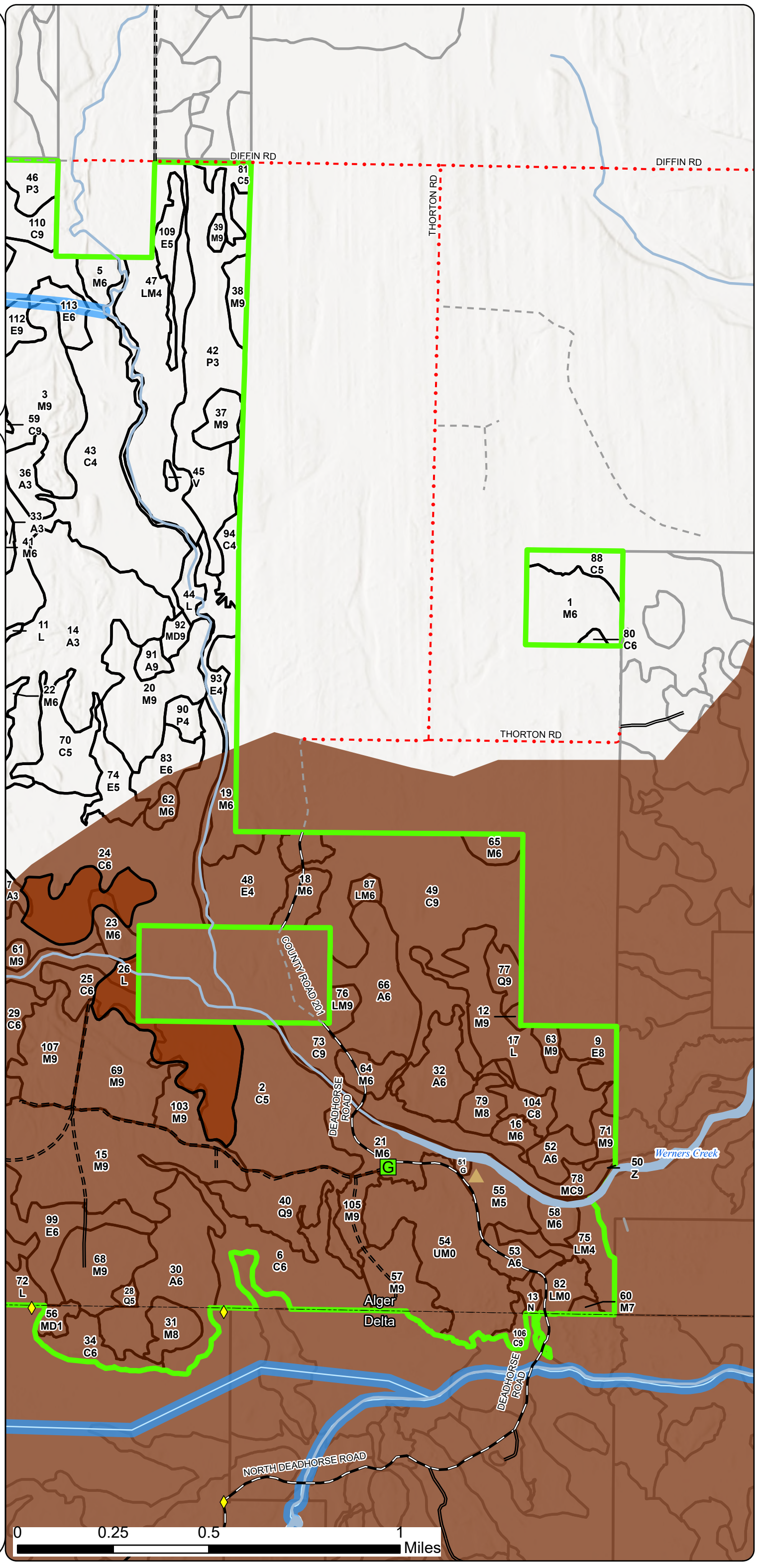

Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit **Compartment 92** **Year of Entry 2027**

Sean Fischer : Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	155	97	50	0	10	0	0	4	5	0	0	0	0	0	0	0	**321**
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	10	0	55	31	7	289	0	385	0	0	13	0	**790**
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**1**
Lowland Aspen/Balsam Poplar	0	0	0	100	0	0	0	0	0	20	0	5	0	0	0	0	0	0	**125**
Lowland Conifers	0	0	0	0	0	0	0	31	0	0	0	0	25	31	0	0	0	0	**86**
Lowland Deciduous	0	0	0	0	0	0	19	26	36	41	0	13	0	49	0	0	0	0	**184**
Lowland Mixed Forest	11	0	0	0	0	0	64	0	17	3	0	0	0	38	0	0	0	5	**138**
Lowland Shrub	103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**103**
Lowland Spruce/Fir	0	0	0	0	0	0	0	8	3	0	0	0	0	0	0	0	0	0	**11**
Marsh	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Mixed Upland Deciduous	0	4	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	**8**
Northern Hardwood	0	0	0	0	0	0	0	0	16	100	189	0	0	15	0	0	0	266	**586**
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	24	0	0	0	0	**24**
Upland Mixed Forest	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**61**
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**6**
Total	**186**	**4**	**155**	**197**	**50**	**0**	**103**	**65**	**127**	**203**	**201**	**307**	**25**	**542**	**0**	**0**	**13**	**271**	**2448**

Report 2 – Treatment Summary

Gwinn Mgt. Unit
Year of Entry: 2027

Compartment 92
Total Compartment Acres: 2,451

Acres of Harvest

Commercial Harvest - 1158
Harvests with Site Condition - 146
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	18	0	0	0	0	0	0	0	0	**18**
Lowland Aspen/Balsam Poplar	17	0	0	0	0	0	0	0	0	**17**
Lowland Conifers	32	0	0	0	0	0	0	0	0	**32**
Lowland Deciduous	18	0	0	17	48	0	0	0	0	**83**
Lowland Mixed Forest	0	0	0	0	16	0	0	0	0	**16**
Mixed Upland Deciduous	0	0	0	0	3	0	0	0	0	**3**
Northern Hardwood	0	406	0	0	17	0	0	0	0	**423**
Upland Mixed Forest	59	0	0	0	0	0	0	0	0	**59**
Total	**144**	**406**	**0**	**17**	**84**	**0**	**0**	**0**	**0**	**651**

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	651	0	0	0	0	2	0	0	0	**653**
Next Step	0	0	0	9	0	0	653	0	0	**662**
Total	**651**	**0**	**0**	**9**	**0**	**2**	**653**	**0**	**0**	**1315**

Proposed Treatments:

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
1	32092001-Cut	28.1	4110 - Sugar Maple Association	6	85	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select to 70-90 BA. The portion of stand east of drainage BA residual should be closer to 70 BA because of lower starting BA in that portion of stand. Expand existing canopy gaps where appropriate. Mark dominant and codominant stems in the can

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

Acceptable Regen: Sugar maple, red maple, basswood, yellow birch, northern white cedar, spruce, oak, white pine, hemlock.

Other Comment: Access Thornton Road or private to the west. Winter harvest recommended because of drainage through middle of stand. Deer wintering complex, harvest only between 12/1 to 3/31.

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
3	32092003-Cut	66.5	4110 - Sugar Maple Association	9	95	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area, favoring a residual BA on the higher end of that range. Cut all aspen, spruce, and fir which meet 2.2 - utilization. Mark according to guidelines in the complete marker. Favor removal of high risk trees, dise

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment: Winter harvest recommended. Access is through north via Don MacIntosh private property, he has granted access.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
4	32092004-Cut	10.6	4112 - Maple, Beech, Cherry Association	6	90	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Cut tree mark stand to residual basal area of 70-90. Follow Complete Marker. Favor retention of wildlife quality cavity trees and legacy trees >26" in diameter. Mark 1 canopy gap 66' in diameter per acre, placing these in areas which release existing adv

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

Acceptable Regen: Sugar maple, red maple, spruce, basswood, white pine, cedar, hemlock, black cherry, yellow birch, paper birch, aspen

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
15	32092015-Cut	87.3	4110 - Sugar Maple Association	9	100	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area. Follow guidelines from the complete marker. Favor removal of large diameter log-quality trees. Favor retention of smaller, good quality crop trees. Favor removal of high risk trees, diseased trees, and trees w

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment: Deer wintering complex, need restriction to cutting between 12/1 to 3/31.

Site Condition:

Proposed Start Date: 10/01/2026

20	32092020-Cut	35.0	4110 - Sugar Maple Association	9	92	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area, favoring a residual BA on the higher end of that range. Cut all aspen, spruce, and fir which meet 2.2 - utilization. Mark according to guidelines in the complete marker. Areas of the stand showing lower basal

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

22	32092022-Cut	2.7	4112 - Maple, Beech, Cherry Association	6	85	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to encourage development of a sapling layer and to encourage quality improvement on residual stems. Single tree select stand to 70-90 basal area, favoring a residual BA on the higher end of that range. Follow complete marker. Leav

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment: Winter harvest recommended because of roads access.

Site Condition:

Proposed Start Date: 10/01/2026

27	32092027-Cut	18.5	4112 - Maple, Beech, Cherry Association	9	95	201+	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: First single tree selection of stand to 100-120 basal area. Basal area may be brought lower in areas to allow operability of conventional logging equipment. Cut all aspen and fir which meet 2.2 - utilization. Mark according to guidelines in the complete

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry, red oak

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
31	32092031-Cut	10.4	4110 - Sugar Maple Association	8	90	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Cut tree mark stand to 60-70 basal area. Focus on expanding existing gaps in the stand and releasing advanced regeneration, especially by removing economically mature stems. Follow the complete marker.Favor retention of wildlife-quality cavity trees and

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

Acceptable Regen: Any northern hardwood species currently in the overstory is acceptable.

Other Comment: Deer wintering complex, need restriction to cutting between 12/1 to 3/31.

Site Condition:

Proposed Start Date: 10/01/2026

37	32092037-Cut	8.6	4110 - Sugar Maple Association	9	95	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area. Cut all merchantable fir. Mark according to guidelines in the complete marker. Favor removal of high risk trees, diseased and defective trees, and trees which may drop in value if not removed. Favor retention

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment: winter only harvest recommended. Wet access road and wet portions of the unit.

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

38	32092038-Cut	6.9	4112 - Maple, Beech, Cherry Association	9	85	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area. Cut all merchantable fir. Mark according to guidelines in the complete marker. Favor removal of high risk trees, diseased and defective trees, and trees which may drop in value if not removed. Favor retention

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, balsam poplar, white pine, hemlock, cedar, basswood, black cherry

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

39	32092039-Cut	2.3	4110 - Sugar Maple Association	9	85	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area, favoring a residual BA on the higher end of that range. Cut all merchantable fir. Mark according to guidelines in the complete marker. Favor removal of high risk trees, diseased and defective trees, and trees

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
46	32092046-Spray	2.1	6112 - Lowland Aspen	3	23	51-80	Pesticide	Pesticide	6112 - Lowland Aspen	Planting Record	No

Prescription Specs: Hand spray herbicide on invasive phragmites located in road/powerline corridor.

Next Step Treatments: Monitoring,

Acceptable Regen:

Other Comment: Reference point shows area of phragmites

Site Condition:

Proposed Start Date: 10/01/2025

53	32092053-Cut	9.3	4130 - Aspen	6	52	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Cut all trees greater than 2" in diameter at breast height regardless of merchantability, except do not cut any yellow birch. Green tree some healthy windfirm black cherry, paper birch, and cavity or forked crown aspen during timber cruise. No retention n

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

Acceptable Regen: Aspen species, maple, balsam poplar, spruce, fir, black cherry, paper birch, pine, basswood, hemlock, cedar, yellow birch.

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).

Site Condition:

Proposed Start Date: 10/01/2026

58	32092058-Cut	8.0	4110 - Sugar Maple Association	6	93	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Thin stand to 70-90 following complete marker guidance. Log trees should be removed if they have reached economic maturity. Reserve all white spruce, yellow birch, hemlock, and black cherry. Expand existing canopy gaps or place new canopy gaps so that gap

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

Acceptable Regen: Maple species, black cherry, white spruce, hemlock, yellow birch, basswood, oak, cedar,

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).

Site Condition:

Proposed Start Date: 10/01/2026

62	32092062-Cut	4.3	4112 - Maple, Beech, Cherry Association	6	90	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area, favoring a residual BA on the higher end of that range. Cut all aspen, spruce, and fir which meet 2.2 - utilization. Mark according to guidelines in the complete marker. Areas of the stand showing lower basa

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).Wet access via skidding through adjacent stands.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
67	32092067-Cut	4.8	4119 - Mixed Northern Hardwoods	6	85	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to encourage development of a sapling layer and to encourage quality improvement on residual stems. Mark to 70-90 basal area, favoring a residual BA on the higher end of that range Follow complete marker. Leave den and nest trees

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

69	32092069-Cut	37.2	4110 - Sugar Maple Association	9	100	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Place, or expand existing, canopy gaps in 10-20% of stand area. Gaps should be 75'-150' in diameter. Favor retention of wildlife-quality cavity trees and basswood. Attempt to place gaps so legacy tree (trees >26inches at dbh),yellow birch, and black che

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

Acceptable Regen: Any northern hardwood species currently in the overstory

Other Comment: Deer wintering complex, need restriction to cutting between 12/1 to 3/31.

Site Condition:

Proposed Start Date: 10/01/2026

74	32092074-Cut	12.9	6117 - Lowland Deciduous, Mixed Coniferous	5	80	51-80	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Planting Record	No

Prescription Specs: Cut all trees which meet 2.2 - utilization except do not cut cedar, hemlock, and yellow birch. Green tree 10 basal area of healthy wind firm paper birch where paper birch is present.

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

Acceptable Regen: Aspen, paper birch, yellow birch, balsam poplar, black cherry, red maple, sugar maple, fir, spruce, pine, hemlock, cedar.

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31). Use den tree spec.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
76	32092076-Cut	5.2	6131 - Hemlock, White Pine, Maple, Birch	9	110	111-140	Harvest	Shelterwood	6131 - Hemlock, White Pine, Maple, Birch	Current	No

Prescription Specs: Cut all red maple, spruce, and fir, except do not cut red maple over 25" stump diameter (long term retention trees for wildlife). Reserve mark from red maple to total residual basal area of 50-70 basal area.

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

Acceptable Regen: Red maple, aspen, spruce, fir, cedar, sugar maple, hemlock, white pine, black cherry, yellow birch, paper birch.

Other Comment: Intention is not to do overstory removal harvest. Use den tree protection spec. Use extra restrictive rutting spec (25' in length, 6" depth). Winter only operations.

Site Condition:

Proposed Start Date: 10/01/2026

79	32092079-Cut	7.4	4115 - Y.Birch, Hemlock NH	8	82	111-140	Harvest	Shelterwood	4115 - Y.Birch, Hemlock NH	Planting Record	No

Prescription Specs: Cut all trees meeting utilization 2.2 except leave all hemlock, yellow birch, and cedar. Reserve mark from red maple to total residual basal area of 50-70, favoring retention of good-quality red maple log and pole crop trees, as well as wildlife-quality c

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

Acceptable Regen: red maple, sugar maple, hemlock, cedar, spruce, aspen, paper birch, yellow birch, fir

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31). Intention is to perform overstory removal harvest following development of good-quality advanced regeneration in the understory. Winter only operations.

Site Condition:

Proposed Start Date: 10/01/2026

83	32092083-Cut	12.8	6113 - Lowland Maple	6	106	81-110	Harvest	Shelterwood	6113 - Lowland Maple	Planting Record	No

Prescription Specs: Cut all stems which meet 2.2 utilization except leave all cedar, hemlock, and yellow birch. Reserve mark red maple and healthy paper birch 40-60 total residual basal area, favoring retention of crop trees and wildlife quality (cavity) trees. Treatment ac

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

Acceptable Regen: red maple, sugar maple, cedar, yellow birch, paper birch, spruce, fir, aspen, hemlock, pine, basswood.

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).Use den tree spec. Winter only harvest. Intention is to perform overstory removal harvest once establishment of acceptable growing stock advanced regeneration occurs.

Site Condition:

Proposed Start Date: 10/01/2026

86	32092086-Cut	1.6	4112 - Maple, Beech, Cherry Association	6	85	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to encourage development of a sapling layer and to encourage quality improvement on residual stems. Mark trees to 70-90 basal area, favoring a residual BA on the higher end of that range. Follow complete marker. Leave den and nest

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

Acceptable Regen: Red maple, sugar maple, yellow birch, spruce, paper birch, aspen, white pine, hemlock, cedar, basswood, black cherry

Other Comment: Winter harvest recommended because of roads access.

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
91	32092091-Cut	4.4	4134 - Aspen, Spruce/Fir	9	80	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Harvest all stems to 2 inches dbh, regardless of merchantability. Reserve tree mark 10 basal area of healthy windfirm or wildlife quality (cavity) black cherry of any size during timber cruise. Create 1 drumming log in the stand of any species between 5

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

Acceptable Regen: Aspen, spruce, fir, balsam poplar, black cherry, paper birch, red maple, sugar maple

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

92	32092092-Cut	3.0	4199 - Other Mixed Upland Deciduous	9	80	81-110	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Cutting Record	No

Prescription Specs: Cut all aspen, paper birch, fir, and spruce meeting 2.2 utilization. Create 1 drumming logs of any species (9–15-inch DBH) at least 8 ft long, immediately adjacent to a stump lying flat on the ground.

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

Acceptable Regen: Sugar maple, red maple, spruce, fir, cherry, paper birch, yellow birch, white pine, aspen, balsam poplar, cedar,

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

95	32092095-Cut	4.6	6117 - Lowland Deciduous, Mixed Coniferous	6	75	81-110	Harvest	Clearcut	6117 - Lowland Deciduous, Mixed Coniferous	Planting Record	No

Prescription Specs: Cut all stems 2" and greater in dbh regardless of merchantability except do not cut black cherry, yellow birch, cedar, and hemlock. Create 1 drumming log in the stand of any species (9–15-inch DBH) at least 8 ft long immediately adjacent to a stump lyin

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

Acceptable Regen: Aspen, balsam poplar, cedar, hemlock, paper birch, red maple, sugar maple, fir, spruce, yellow birch, black cherry.

Other Comment: Winter only harvest recommended. Do not extend treatment boundary into small white birch poles on stand edge

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
96	32092096-Cut	9.7	4119 - Mixed Northern Hardwoods	6	126	81-110	Harvest	Shelterwood	4119 - Mixed Northern Hardwoods	Planting Record	No

Prescription Specs: Cut all stems which meet 2.2 utilization except leave all cedar, yellow birch, and hemlock. Leave tree mark from non-reserved species to residual 50-70 BA. Leave trees should be quality maple saw and pole trees, as well as wildlife quality (cavity) trees.

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

Acceptable Regen: Red maple, sugar maple, yellow birch, paper birch, cedar, spruce, aspen, fir, hemlock, balsam poplar,

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).Intention is to perform overstory removal harvest once successful regeneration is established. Winter only operability. No retention needed due to small size

Site Condition:

Proposed Start Date: 10/01/2026

97	32092097-Cut	17.0	6112 - Lowland Aspen	5	85	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	No

Prescription Specs: Cut all stems which meet 2.2 - Utilization. Reserve all aspen trees greater than 24 inches in diameter at breast height. Leave all cedar, hemlock, yellow birch and black cherry.

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

Acceptable Regen: Aspen species, balsam poplar, maple, spruce, fir, paper birch, yellow birch, cedar, hemlock, black cherry.

Other Comment: Drumming logs will be created naturally as reserve aspen trees windthrow. Winter harvest recommended. Wet road access and wet stand.

Site Condition:

Proposed Start Date: 10/01/2026

98	32092098-Cut	5.1	6113 - Lowland Maple	9	85	171-200	Harvest	Shelterwood	6113 - Lowland Maple	Cutting Record	No

Prescription Specs: Cut all red maple, sugar maple, aspen, balsam poplar, fir, paper birch, black spruce, and white spruce. Do not cut red maple over 22 inches dbh. Reserve mark stand to 60-80 residual basal area during cruising, favoring retention of wildlife quality cavity

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

Acceptable Regen: Red maple, aspen, sugar maple, hemlock, cedar, spruce, yellow birch, black cherry, balsam fir, balsam poplar

Other Comment: Winter only harvest recommended. Intention is to not do the second stage of the shelterwood removal. No retention needed due to small size. 60-80 feet per acre retention satisfies BMP recommendations for Deer Creek trout stream

Site Condition:

Proposed Start Date: 10/01/2026

100	32092100-Cut	11.7	6113 - Lowland Maple	6	85	81-110	Harvest	Shelterwood	6113 - Lowland Maple	Cutting Record	No

Prescription Specs: Cut all red maple, sugar maple, aspen, fir, balsam poplar, paper birch, and black and white spruce. Leave tree mark to remove roughly half of the stand basal area. In areas of the stand with higher starting basal area, the residual will be 60-80 basal ar

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

Acceptable Regen: Red maple, yellow birch, sugar maple, aspen, spruce, cedar, hemlock, fir, balsam poplar, paper birch, black cherry.

Other Comment: Intention is to not perform overstory removal harvest and to create two-aged stand structure favoring red maple pulp tree production while retaining diverse species and wildlife-quality trees. Winter harvest recommended. Recommended retention already ad

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
101	32092101-Cut	4.6	4130 - Aspen	8	90	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No

Prescription Specs: Cut all stems which meet 2.2 - utilization. Leave all hemlock, cedar, black cherry, and yellow birch.

Next Step Treatments: Monitoring, Natural Regen (Intermediate)

Acceptable Regen: Aspen species, balsam poplar, fir, spruce, cedar, red maple, sugar maple, hemlock, black cherry, paper birch, yellow birch.

Other Comment: Winter harvest recommended. Access is through wet/ partially regenerated railroad grade through stand 7. No retention due to small size.Leave some blowdown between 9-15 inches in diameter and at least 8ft in length intact for drumming logs.

Site Condition:

Proposed Start Date: 10/01/2026

103	32092103-Cut	13.2	4119 - Mixed Northern Hardwoods	9	100	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area to encourage the development of northern hardwood regeneration. Cut all aspen, spruce, and fir. Place canopy gaps where release of existing regeneration is appropriate. Favor retention of off-species such as wh

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

Acceptable Regen: Sugar maple, red maple, yellow birch, white spruce, white pine, hemlock, black cherry, basswood.

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).

Site Condition:

Proposed Start Date: 10/01/2026

105	32092105-Cut	8.9	4112 - Maple, Beech, Cherry Association	9	85	111-140	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Single tree select stand to 70-90 basal area to encourage the development of northern hardwood regeneration. Cut all aspen, spruce, and fir. Place canopy gaps where release of existing regeneration is appropriate. Favor retention of off-species such as wh

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

Acceptable Regen: Red maple, sugar maple, yellow birch, basswood, oak, white pine, spruce, cedar, hemlock

Other Comment: Deer Wintering Complex and will require a winter cutting specification (12/1 to 3/31).

Site Condition:

Proposed Start Date: 10/01/2026

109	32092109-Cut	8.5	6118 - Lowland Deciduous with Cedar	5	85	111-140	Harvest	Seed Tree	6118 - Lowland Deciduous with Cedar	Planting Record	No

Prescription Specs: Cut all merchantable trees as defined in 2.2 - Utilization (10/20) except cedar, yellow birch, hemlock, and trees marked with green paint. Reserve mark 10-30 basal area of healthy paper birch or wildlife quality red maple. Stand retention area established

Next Step Treatments: Monitoring, Natural Regen (Re-Inventory); Seeding, Other - Specify

Acceptable Regen: paper birch, red maple, aspen, spruce, fir, sugar maple, yellow birch, basswood, cedar, hemlock, cherry, balsam poplar, white pine

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
112	32092112-Cut	18.5	6119 - Mixed Lowland Deciduous Forest	9	126	111-140	Harvest	Shelterwood	6119 - Mixed Lowland Deciduous Forest	Planting Record	No

Prescription Specs: Cut all stems which meet 2.2 utilization except leave all cedar, hemlock, yellow birch, and black ash. Reserve mark from remainder of stems to 40-60 basal area, favoring retention of wildlife quality (cavity) red maple. Basal area should be left lower tha

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

Acceptable Regen: Red maple, balsam poplar, cedar, yellow birch, black cherry, paper birch, aspen species, balsam fir, spruce, sugar maple.

Other Comment:

Site Condition: Survey Needed

Proposed Start Date: 10/01/2026

113	32092113-Cut	8.4	6118 - Lowland Deciduous with Cedar	6	126	81-110	Harvest	Seed Tree	6118 - Lowland Deciduous with Cedar	Planting Record	No

Prescription Specs: Harvest all stems to 2" dbh, except retain all cedar, black ash, yellow birch, hemlock, and any trees marked with green paint. Green tree mark 10-30 healthy paper birch and red maple for seed. Acreage may differ significantly from prescription due to lo

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

Acceptable Regen: Paper birch, aspen, balsam poplar, fir, spruce, hemlock, cedar, maple, yellow birch

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Approved Treatments:

16	32092016.22_ Cut	4.9	4112 - Maple, Beech, Cherry Association	6	90	141-170	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Selectively mark individual trees for harvest to promote an uneven aged stand structure. Residual basal area should be between 80 to 90 square feet. Emphasis will be on improving the timber quality and productivity of the stand by releasing future crop tr

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

Acceptable Regen: Maple, birch, black cherry, hemlock, and basswood.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2016

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
18	32092018.18_ Cut	15.9	4112 - Maple, Beech, Cherry Association	6	90	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Selectively mark individual trees for harvest to promote an uneven aged stand structure. Residual basal area should be between 80 to 90 square feet. Emphasis will be on improving the timber quality and productivity of the stand by releasing future crop tr

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

Acceptable Regen: Maple, birch, basswood, black cherry, and hemlock.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2016

40	32092040.17_ Cut	31.8	6123 - Lowland Fir	9	62	81-110	Harvest	Clearcut	42340 - Upland Spruce/Fir	Planting Record	No

Prescription Specs: Retain any white pine, yellow birch, cedar, or hemlock. Retain all black cherry. Use patch retention to achieve proper reserves. There are wetlands to exclude which will contribute to the overall area retention. Series of low ridges and swales.

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

Acceptable Regen: Fir, spruce, maple, birch, aspen, balsam poplar, cedar, hemlock, white pine, and black cherry.

Other Comment: Winter harvest only - deer wintering complex area.

Site Condition:

Proposed Start Date: 10/01/2015

54	32092054-Cut	59.3	4319 - Mixed Upland Forest	0	3	Immature	Harvest	Clearcut	4319 - Mixed Upland Forest	Planting Record	No

Prescription Specs: Retain any white pine, yellow birch, cedar, or hemlock. Use patch retention (including older, larger aspen) to achieve proper reserves. There are wetlands to exclude which will contribute to the overall area retention. Series of low ridges and swales. Lea

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

Acceptable Regen: Fir, spruce, maple, birch, white pine, balsam poplar, aspen, cedar, and hemlock.

Other Comment: Winter harvest only - deer wintering complex area.

Site Condition:

Proposed Start Date: 10/01/2016

57	32092057.20_ Cut	20.5	4112 - Maple, Beech, Cherry Association	9	95	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No

Prescription Specs: Selectively mark individual trees for harvest to promote an uneven aged stand structure. Residual basal area should be between 80 to 90 square feet. Emphasis will be on improving the timber quality and productivity of the stand by releasing future crop tr

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

Acceptable Regen: Maple, birch, basswood, and black cherry.

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2016

Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
75	32092060.21_ Cut	4.5	6139 - Mixed Lowland Forest	4	70	1-50	Harvest	Shelterwood	4113 - R.Maple, Conifer	Planting Record	No

Prescription Specs: Residual basal area should be between 40 to 50 square feet. Remove majority of defective, poor form, high risk, and/or poorly spaced trees to achieve the target basal area. Quality timber trees may also be selected when suitable. Wildlife habitat, forest

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

Acceptable Regen: Maple, birch, basswood, aspen, white pine, fir, hemlock, spruce, and cedar

Other Comment: Retention patches should include older, larger aspen within. Winter harvest only - deer wintering complex area.

Site Condition:

Proposed Start Date: 10/01/2015

64	32092064.23_ Cut	9.7	4110 - Sugar Maple Association	6	90	111-140	Harvest	Selection	411 - Northern Hardwood	Planting Record	No

Prescription Specs: Selectively mark individual trees for harvest to promote an uneven aged stand structure. Residual basal area should be between 80 to 90 square feet. Emphasis will be on improving the timber quality and productivity of the stand by releasing future crop tr

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

Acceptable Regen: Maple, birch, black cherry, and basswood

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2016

75	32092082.15_ Cut	6.5	6139 - Mixed Lowland Forest	4	70	1-50	Harvest	Shelterwood	4319 - Mixed Upland Forest	Planting Record	No

Prescription Specs: Retain any white pine, yellow birch, cedar, or hemlock. Use patch retention (including older, larger aspen) to achieve proper reserves. Leave some scattered white birch along road. Shelterwood prescription more appropriate, marked in orange same as shelt

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

Acceptable Regen: Maple, aspen, fir, and spruce.

Other Comment: Stand extends into Delta county and should be harvested there as well to salvage fir. Winter harvest only - deer wintering complex area.

Site Condition:

Proposed Start Date: 10/01/2015

Total Treatment Acreage Proposed: 653.2

Report 4 – Site Conditions

Gwinn Mgt. Unit

Sean Fischer : Examiner

Compartment: 92

Year of Entry: 2027

Availability for Management

Total Acres	Acres Available	*Acres Avail With Condition*	Acres Not Available		Dominant Site Conditions *2B*	*2I*	*5B*	*5C*	2G	2H	3H	3J	5A	5E
320	320	***0***	0	**Aspen**										
1	1	***0***	0	**Bog**										
788	54	***0***	734	**Cedar**					488		151	95		
1	1	***0***	0	**Herbaceous Openland**										
108	100	***4***	3	**Lowland Aspen/Balsam Poplar**			***4***					1		2
87	56	***0***	31	**Lowland Conifers**					23				7	
153	67	***19***	68	**Lowland Deciduous**		***19***			37			27		5
129	9	***0***	121	**Lowland Mixed Forest**					90			30		1
103	77	***0***	26	**Lowland Shrub**							11	15		
11	11	***0***	0	**Lowland Spruce/Fir**										
3	3	***0***	0	**Marsh**										
1	0	***0***	1	**Mixed Upland Deciduous**					0			1		
578	460	***71***	48	**Northern Hardwood**	***12***	***54***		***5***		46				2
24	0	***0***	24	**Upland Conifers**								24		
61	61	***0***	0	**Upland Mixed Forest**										
6	6	***0***	0	**Water**										
2,376	1,226	***94***	1,056	Total Forested Acres	***12***	***73***	***4***	***5***	638	46	162	193	7	10
	52%	***4%***	44%	Relative Percent										

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	7	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

Stand blocked by intermittent stream and wetlands to the west, creek to the east.

2	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	117	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments: Very wet cedar swamp with hardwood islands and areas of blowdown							
3	**Unavailable**	**3H: Deer Wintering Area - habitat is incompatible with harvest at this time**	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	33	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 300ft BMP buffer of stand from Deer Creek because aspen and balsam poplar exist in overstory							
6	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention of parent F9 stand from East Lime Sale							

Report 4 – Site Conditions

8	**Unavailable**	**3H: Deer Wintering Area - habitat is incompatible with harvest at this time**	104	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
9	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	**Unavailable**	**3H: Deer Wintering Area - habitat is incompatible with harvest at this time**	45	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Cedar stand. Adjacent upland fir stand being harvested.							
12	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

14	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention of parent UM9 stand from East Lime Sale							
15	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Long term retention of parent UM9 stand from East Lime Sale							
16	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	**Unavailable**	**5E: Long-Term Retention**	0	3G: Other influence zones - See comments	Unspecified	Unspecified	Unspecified
Comments: Broad-winged hawk nest 66 ft buffer							
18	**Unavailable**	**3H: Deer Wintering Area - habitat is incompatible with harvest at this time**	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
19	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

20	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	123	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
BMP buffer of Werner Creek and several small intermittent stream tributaries of Werner Creek

21	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	4	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Edge of marsh

22	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

23	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Birch stand retention

24	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	19	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

25	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	35	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Mostly dead ash and cedar. Soils appear to be saturated much of the year.

26	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Upland stand in lowland area, blocked by creek to the south							
28	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Upland stand in a lowland area. Cedar type to the north is too wet to cross, even through old railroad grade.							
29	**Unavailable**	**5E: Long-Term Retention**	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
30	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Too wet							

31	**Unavailable**	**2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)**	20	2E: Road needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified

Comments:
Do not recommend harvest. Would need road built across hardwood stand to the west, bridge over Werner Creek would need to be larger than portable bridge, and then road built from north portion of stand to south portion of stand, crossing a wet swale.

32	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
wet pocket

33	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	10	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

34	**Available**	**5B: Maintain for regeneration purposes**	4	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Condition of stand is such that it is regenerating on it's own.

35	**Available**	**2I: Survey needed**	7	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

36	**Unavailable**	**5E: Long-Term Retention**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Low basal area birch

38	**Available**	**2I: Survey needed**	9	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

39	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	1	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Approximate buffer for BMPs of small intermittent stream

40	**Unavailable**	**5E: Long-Term Retention**	2	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Retention on far side of ash swale

41	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	4	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

42	**Available**	**2I: Survey needed**	19	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
No corner found in northwest or southwest parts of stand, old blue line seen in south part of stand.

43	**Available**	**2I: Survey needed**	11	Unspecified	Unspecified	Unspecified	Unspecified

Comments:
Neither corner found. Old flagging at approximate corner location found in southwest part of stand.

44	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	85	Unspecified	Unspecified	Unspecified	Unspecified

Comments:

45	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	0	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments: Long term retention within 300ft BMP buffer of Deer Creek							
47	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: BMP buffer of Deer Creek (300ft) because of balsam poplar in stand overstory							
48	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	138	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
49	**Unavailable**	**3J: Water quality/BMPs (stream, river, or lake)**	9	5A: Not able to obtain desirable regeneration	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified
Comments: BMP buffer of Deer Creek trout stream 300ft. Very wet cedar swamp with hardwood islands and areas of blowdown							
50	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

51	**Unavailable**	**3B: Threatened, endangered, and special concern species**	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
52	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	14	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							
53	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
54	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	1	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments:							
55	**Unavailable**	**5A: Not able to obtain desirable regeneration**	7	2I: Survey needed	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified
Comments:							

56	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	9	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
57	**Available**	**5C: Delay treatment for age/size class diversity or exceptional site quality**	5	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: Delay treatment until aspen to the west is ready to treat. Access issues otherwise because road does not go through aspen stand.							
58	**Unavailable**	**5E: Long-Term Retention**	2	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments: Portion of stand on the other side of very wet cedar/ash swale. Recommend for retention.							
59	**Available**	**2I: Survey needed**	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
60	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	23	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							
61	**Unavailable**	**2G: Too wet (sensitive soils, does not include access issues)**	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

62	**Available**	**2B: Unknown if access through adjacent landowner(s) is possible**	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
63	**Unavailable**	**5E: Long-Term Retention**	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
sca6	Habitat Area or Habitat Corridor	Other Habitat Area	**SCA**	17

Comments

It was agreed at compartment review (10/14/2025) that this reviewable SCA be deleted.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4110 - Sugar Maple Association	Poletimber Well	28.1	85	81-110	N/A	(Remote call) Fairly good timber quality stand. Stand select cut in December and January of 1999 and 2000.SF 2025: Good quality even-aged NHW log stand heavy to sugar maple. Stand is divided by a drainage running NW to SE, but this could be frozen and crossed. East portion of stand is lower BA (95 average) has excellent, full crop of free to grow, acceptable growing stock maple saplings. West portion of stand has higher BA (110 average) with low stocking of maple saplings, many of which are poor quality. Understory is open in the west part, with more ironwood and leatherleaf.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	73	Log/Pole	16	85
Yellow Birch	10	Log/Pole	15	
Basswood	12	XLog/Log	18	85
Balsam Fir	5	Pole	7	25

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Yellow Birch	Trace	10 - 20 feet	10 - 20 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet
Sugar Maple	High	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
2	6120 - Lowland Cedar	Poletimber Medium	83.1	126	51-80	N/A	Many vernal ponds. SF 2025: Very wet stand. Variable basal area and composition. Mostly a cedar-dominated lowland mixed cover type with small patches of poor-quality hardwoods and aspen. Stand has a roughly 50% canopy cover, with gaps occupied by tag alder or regenerating after fir mortality. Pockets of semi-upland hardwoods exist throughout the stand, but are small (<1 acre) and are separated by wide tag alder and cedar swales. Did not find vernal pools.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	7	
Yellow Birch	6	Pole/Log	8	
Paper Birch	10	Pole	9	
Quaking Aspen	6	Pole	9	
Balsam Fir	6	Pole	6	
Black Spruce	6	Log/Pole	10	
Northern White Cedar	50	Pole/Log	9	126
Black Ash	6	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
3	4110 - Sugar Maple Association	Sawtimber Well	66.5	95	111-140	N/A	Harvested in 2001 under permit #32-029-97-01.SF 2025: Good quality northern hardwood in the pole to log size class. Stand is heavy to sugar maple. Ironwood is outcompeting maple regeneration. Pockets of well-stocked, acceptable growing stock, advance maple regeneration within.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Log/Pole	13	95
Sugar Maple	10	XLog	25	160
Red Maple	10	Log/Pole	13	95
Yellow Birch	1	Log/Pole	11	
Basswood	5	Log/Pole	12	95
Quaking Aspen	2	XLog/Log	18	
Black Cherry	2	XLog/Log	18	95

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Medium	Variable	Variable
Ironwood	Medium	Variable	Variable
Balsam Fir	Trace	< 5 feet	< 5 feet
Blackberry/Raspberry	Low	< 5 feet	< 5 feet
White Spruce	Low	Variable	Variable
Maple (spp.)	Full	Variable	Variable
Maple (spp.)	Full	< 5 feet	< 5 feet
Black Ash	Low	10 - 20 feet	10 - 20 feet
Leatherwood	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
4	4112 - Maple, Beech, Cherry Association	Poletimber Well	10.6	90	81-110	N/A	Raspberry present. Herbaceous groundcover is spring beauties and trout lilies. Patches of heavy ironwood regeneration. Yellow birch, cedar, and white spruce are infrequent overstory associates. White pine saplings found. Was cut in in 2002 under permit #32-029-97-01.SF 2025: Okay-quality northern hardwoods pole stand. Uneven-aged structure. Where canopy gaps exist there is great advance maple regeneration. Average BA around 100.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	61	Pole/Log	8	90
Red Maple	20	Pole	8	
Yellow Birch	3	Pole/Log	7	
Basswood	5	Log/Pole	12	
Balsam Fir	2	Pole/Sapling	5	
White Spruce	2	Log/Pole	10	
Northern White Cedar	5	Pole	7	
White Pine	1	XLog	23	
Black Ash	1	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	Medium	10 - 20 feet	10 - 20 feet
Maple (spp.)	Full	< 5 feet	< 5 feet
White Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
5	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.0	90	111-140	N/A	This stand is inaccessible due to the adjacent swamps, private property, and Werner Creek.SF 2025: Dense northern hardwood pole stand heavy to red maple. Small stand, blocked by streams and wet ground on all sides.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Pole/Log	9	90
Red Maple	60	Pole/Log	9	90
Yellow Birch	1	Log/Pole	12	
Paper Birch	3	Log/Pole	10	
Balsam Fir	10	Pole	8	
Northern White Cedar	5	Pole/Log	8	
Black Cherry	1	Log/Pole	12	

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

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
6	6120 - Lowland Cedar	Poletimber Well	46.1	126	141-170	N/A	Very wet substrate.SF 2025: Variable lowland stand containing mostly cedar poles. Black ash is mixed in throughout, mostly dead or dying. Basal area varies between 100 and 200.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	6	Pole	6	
Yellow Birch	2	Log/Pole	10	
Paper Birch	5	Pole	5	
Quaking Aspen	5	Pole	8	
Balsam Fir	5	Pole	5	
Northern White Cedar	67	Pole/Log	7	126
Black Ash	10	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Northern White Cedar	Trace	Variable	Variable
Black Ash	Low	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	Low	Variable	Variable
Sedges	High	Not Applicable	Not Applicable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
7	4130 - Aspen	Sapling Well	64.5	14	Immature	N/A	Harvested in winter of 2010/2011 under contract # 026-07-01. White birch saplings found. SF 2025: Well stocked aspen stand. Infrequent patches of poor stocking in low ground areas. Road is flooded in several spots.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	8	Sapling	2	14
Quaking Aspen	72	Sapling	3	14
Balsam Poplar	10	Sapling	3	14
Balsam Fir	1	Pole	5	14
White Spruce	1	Pole/Sapling	5	14
Northern White Cedar	2	Pole/Log	8	
Black Cherry	6	Sapling	3	14

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Variable
Paper Birch	Trace	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
8	6122 - Black Spruce	Poletimber Well	1.3	75	51-80	N/A	Retention patch from surrounding overstory removal.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
9	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Medium	13.5	126	81-110	N/A	SF 2025: Small pockets of hardwood in between swales. Legacy red maple, yellow birch, and hemlock trees within. Multiple E/W arranged wet swales. Canopy falling apart.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole	7	
Red Maple	49	Log/XLog	17	126
Yellow Birch	7	XLog/Log	22	
Quaking Aspen	1	XLog/Log	22	
Balsam Fir	2	Pole	5	
Northern White Cedar	15	Log	14	
Hemlock	15	Log	12	126
Black Cherry	1	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
Black Ash	Low	Variable	Variable
White Spruce	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Maple (spp.)	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
10	6120 - Lowland Cedar	Poletimber Well	6.3	85	111-140	N/A	SF 2025: highly variable lowland mixed stand. Large component of cedar. Many swales.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	7	
Paper Birch	5	Pole	7	
Quaking Aspen	5	XLog	20	
Balsam Fir	5	Pole/Sapling	5	
White Spruce	4	Pole	6	
Northern White Cedar	55	Log/Pole	10	85
Hemlock	1	Log	12	
Black Ash	10	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Trace	Variable	Variable
Balsam Fir	Low	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Maple (spp.)	Low	Variable	Variable
Black Ash	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	6220 - Alder/Willow	None	7.8			No	Contains stream. Stream dammed by beavers multiple times.

Sub-Canopy Species	Density	Avg. Height	Size
American Elm	Trace	>20 feet	>20 feet
Balsam Poplar	Low	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Northern White Cedar	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
12	4119 - Mixed Northern Hardwoods	Sawtimber Well	1.3	126	81-110	N/A	SF 2025: Small pocket of hardwood in between swales. Legacy red maple, yellow birch, and hemlock trees within. Recommend leaving for wildlife.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole	7	
Red Maple	65	Log/XLog	17	126
Yellow Birch	7	XLog/Log	22	126
Quaking Aspen	1	XLog	22	
Balsam Fir	2	Pole	5	
Northern White Cedar	8	Log	14	126
Hemlock	7	Log	12	126

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
White Spruce	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
13	6230 - Cattail	None	3.0			No	Wet drain, seasonal flooding.

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Low	Not Applicable	Not Applicable
Mixed Sedges/Grasses	Medium	Not Applicable	Not Applicable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
14	4130 - Aspen	Sapling Well	90.4	14	Immature	N/A	Fully stocked. Harvested under contract #026-07-01. SF 2025: Well stocked aspen stand. Infrequent patches of poor stocking in low ground areas. Road is flooded in several spots.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling	2	14
Quaking Aspen	73	Sapling	3	14
Balsam Poplar	10	Sapling	3	14
Balsam Fir	1	Pole	5	14
White Spruce	1	Pole/Sapling	5	14
Northern White Cedar	2	Pole/Log	8	
Black Cherry	2	Pole/Log	8	14
Black Cherry	6	Sapling	3	14

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Variable
Northern White Cedar	Trace	< 5 feet	< 5 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	4110 - Sugar Maple Association	Sawtimber Well	87.8	100	81-110	N/A	Some sedge. Not seeing a lot of sugar maple regeneration. Will need to check again in another year. Patches of raspberry. Basswood uncommon overstory associate. White spruce saplings found. Transitions to more of a poletimber-sized stand to south. Was cut in 1991 under permit #32-025-88-2. Harvested again in 2008 under permit #32-028-07-01. SF 2025: Good quality northern hardwoods stand heavy to sugar maple with closed canopy. Most of maple saplings present are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Log	14	100
Red Maple	12	Log	17	
Yellow Birch	2	Log	15	
Basswood	8	Log	16	
White Spruce	1	Pole	8	
Black Cherry	2	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Medium	< 5 feet	< 5 feet
Ironwood	Low	< 5 feet	< 5 feet
Sugar Maple	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	High	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
16	4112 - Maple, Beech, Cherry Association	Poletimber Well	5.3	90	141-170	N/A	Trout lily and clubmoss present. Patches of F3 understory. White pine saplings found. White spruce and cedar are uncommon overstory associates. SF 2025: Stand not yet harvested, but is on contract "East Lime" 32-004-17 (2). Well stocked northern hardwood log stand. Maple and yellow birch saplings within are acceptable growing stock and free to grow.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	59	Log/Pole	12	90
Red Maple	30	Log	14	90
Yellow Birch	3	Log	16	
White Spruce	1	Log	12	
Hemlock	5	Log	14	
Black Cherry	2	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
White Spruce	Low	5 - 10 feet	5 - 10 feet
Hemlock	Low	>20 feet	>20 feet
Sugar Maple	Medium	< 5 feet	< 5 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
17	6220 - Alder/Willow	None	44.6			No	Beaver flooded area. Cattails. Snags within. Sandhill cranes seen.

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Medium	Not Applicable	Not Applicable
Northern White Cedar	Low	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	4112 - Maple, Beech, Cherry Association	Poletimber Well	15.9	90	81-110	N/A	Patches of M3 greater than 10 feet tall. Clubmoss predominant groundcover. White spruce and black cherry are infrequent overstory components. White spruce saplings present. Harvested in 1998 under contract # 034-97-01. SF 2025: Log size northern hardwood stand with okay to good quality. Currently part of "East Lime" timber sale, 32-004-17 (2). Not yet harvested. Large drainage runs through center of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	60	Log/Pole	11	90
Red Maple	22	Log/Pole	11	90
Yellow Birch	7	XLog/Log	20	
Basswood	2	Log	17	
Paper Birch	1	Pole	9	
Bigtooth Aspen	1	Log	13	
Northern White Cedar	1	Pole/Log	9	
Hemlock	3	Log/XLog	17	
Black Ash	1	Log/Pole	10	
Black Cherry	2	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Trace	10 - 20 feet	10 - 20 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Sugar Maple	High	< 5 feet	< 5 feet
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	Trace	10 - 20 feet	10 - 20 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
19	4110 - Sugar Maple Association	Poletimber Well	20.4	85	171-200	N/A	SF 2025: Dense, good quality, log-size northern hardwood stand heavy to sugar maple. Log and pole sized trees have good sawtimber potential.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	80	Log/Pole	14	85
Red Maple	5	Log/Pole	12	
Yellow Birch	2	Log	12	
Basswood	5	Log/XLog	17	
White Spruce	1	Pole/Log	9	
Hemlock	2	Log	14	
Black Cherry	5	Log	15	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	5 - 10 feet	5 - 10 feet
Ironwood	High	10 - 20 feet	10 - 20 feet
Sugar Maple	Medium	10 - 20 feet	10 - 20 feet
Maple (spp.)	Full	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
20	4110 - Sugar Maple Association	Sawtimber Well	36.2	92	111-140	N/A	Harvested in winter of 2010/2011 under contract #026-07-01. Some cherry in overstory.SF 2025: Good to okay quality northern hardwood stand heavy to sugar maple. Legacy trees within stand. Intermittent stream found under the snow in the northernmost finger tip of stand; stand was BMP site conditioned north of this stream.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Log/Pole	13	92
Sugar Maple	10	XLog	25	150
Red Maple	10	Log/Pole	13	
Yellow Birch	1	Log/Pole	11	
Basswood	5	Log/Pole	12	
Quaking Aspen	2	XLog/Log	18	
Black Cherry	2	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	High	Variable	Variable
Ironwood	Medium	Variable	Variable
Sugar Maple	Full	Variable	Variable
Maple (spp.)	Full	< 5 feet	< 5 feet
White Spruce	Low	Variable	Variable
Black Ash	Low	5 - 10 feet	5 - 10 feet
Leatherwood	Low	< 5 feet	< 5 feet
Balsam Fir	Trace	< 5 feet	< 5 feet
Blackberry/Raspberry	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
21	4119 - Mixed Northern Hardwoods	Poletimber Well	21.4	85	81-110	N/A	SF 2025: Poor Quality northern hardwoods poles stand with very diverse mix of species. Cedar in pockets

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	35	Pole/Log	9	85
Red Maple	35	Pole/Log	9	85
Yellow Birch	1	Log	12	
Paper Birch	4	Pole	7	
Bigtooth Aspen	8	Pole/Sapling	5	
Balsam Poplar	2	Pole	7	
Balsam Fir	8	Pole/Sapling	5	
White Spruce	1	Log	14	
Northern White Cedar	2	Log/Pole	11	
Tamarack	1	Pole	8	
White Pine	1	XLog/Log	18	
Black Cherry	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce	Trace	< 5 feet	< 5 feet
Quaking Aspen	Medium	>20 feet	>20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
Black Ash	Trace	5 - 10 feet	5 - 10 feet
Red Maple	Low	>20 feet	>20 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Full	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
22	4112 - Maple, Beech, Cherry Association	Poletimber Well	2.7	85	141-170	N/A	SF 2025: Small, densely stocked northern hardwood stand heavy to red maple. Ok quality. Maple saplings are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Pole/Log	8	85
Red Maple	65	Pole/Log	7	85
Yellow Birch	2	Pole	7	
Paper Birch	3	Pole/Log	7	
Quaking Aspen	5	Log/Pole	12	
White Spruce	5	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Maple (spp.)	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
23	4119 - Mixed Northern Hardwoods	Poletimber Well	9.1	85	81-110	N/A	Stand primarily comprised of sugar maple with lesser component of red maple. No real access. Stand is surrounded by swamp, private land, and located between Deer Creek and Werner Creek. SF 2025: Dense northern hardwood pole stand of poor to okay quality. North part of stand is heavy to white birch poles with spruce and fir mixed in. Fire scarring seen on old stumps in stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	65	Log/Pole	10	85
Red Maple	10	Log/Pole	10	
Paper Birch	10	Log/Pole	10	
Balsam Fir	6	Pole	6	
White Spruce	5	Log/Pole	12	
Northern White Cedar	2	Log/Pole	10	
Hemlock	2	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	10 - 20 feet	10 - 20 feet
Maple (spp.)	High	< 5 feet	< 5 feet
Maple (spp.)	Medium	>20 feet	>20 feet
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
White Spruce	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
24	6120 - Lowland Cedar	Poletimber Well	145.9	106	171-200	N/A	Cedar, fir, balsam poplar, and red maple form overstory. Very wet.SF 2025: Variable lowland cedar stand. Pockets of blowdown. Small pockets heavier to paper birch, with over 50% cedar mixed in. Contains areas of flooded cedar poles <5 inches at dbh. Also contains sub 2acre hardwood islands which are inaccessible.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	3	Pole	7	
Paper Birch	10	Pole	8	
Balsam Poplar	2	Log	14	
Balsam Fir	7	Pole	6	
Black Spruce	5	Pole	8	
Northern White Cedar	73	Log/Pole	10	106

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	6120 - Lowland Cedar	Poletimber Well	12.6	155	51-80	N/A	Elm, white pine, white spruce, black ash, and black spruce are uncommon overstory associates. White spruce saplings found. SF 2025: Lowland cedar stand with sub-1acre hardwood island within. Very wet.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	7	
Yellow Birch	13	Log/XLog	12	
Paper Birch	5	Pole	7	
Balsam Poplar	5	Log/Pole	10	
White Spruce	2	Log/Pole	13	
Northern White Cedar	65	Log/Pole	12	155
Black Ash	5	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	Variable	Variable
Balsam Fir	High	Variable	Variable
Black Spruce	Trace	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
26	6220 - Alder/Willow	None	24.6			No	Stream floodplain. Tag alder.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
27	4112 - Maple, Beech, Cherry Association	Sawtimber Well	18.5	95	201+	N/A	An upland "island" of good quality hardwoods surrounded by a very wet cedar swamp. Sugar maple, red maple, yellow birch, and black cherry comprise overstory composition.SF 2025: Dense northern hardwood stand heavy to red maple. Okay quality, could be improved through thinning. Mix of upland and lowland ground. Saplings are not acceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Log/Pole	12	95
Red Maple	45	Log/Pole	12	95
Yellow Birch	2	Log/XLog	13	
Paper Birch	2	Log/Pole	11	
Balsam Fir	1	Pole	6	
White Spruce	1	Log/Pole	11	
Northern White Cedar	2	Pole	7	
Black Cherry	2	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
White Spruce	Low	Variable	Variable
Maple (spp.)	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
28	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	2.0	126	51-80	N/A	SF 2025: Wet lowland mixed conifer stand. Small timber, canopy has mostly fallen apart.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	6	Pole	5	
Yellow Birch	6	Log/XLog	16	
Quaking Aspen	6	Pole	5	
Balsam Fir	6	Pole	5	
Black Spruce	35	Pole	6	126
Northern White Cedar	35	Log/Pole	10	
Black Ash	6	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Sphagnum Moss	Full	Not Applicable	Not Applicable
Red Maple	Medium	Variable	Variable
Black Spruce	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
29	6120 - Lowland Cedar	Poletimber Well	94.8	126	51-80	N/A	SF 2025: Wet lowland stand. Cedar, red maple, yellow birch and balsam poplar within.
30	4130 - Aspen	Poletimber Well	50.0	37	81-110	N/A	SF 2025: Good quality aspen pole stand, well stocked and growing well.
31	4110 - Sugar Maple Association	Sawtimber Medium	10.4	90	81-110	N/A	SF 2025: Good quality northern hardwood stand heavy to sugar maple. Many stems growing past economic maturity. Good maple regeneration. Harvested 2021-2022. Sale #32-003-17 West Lime. Does not appear that this stand was treated last time around. OPIC - FMD: Stand was treated in 1992. There is good maple regeneration is 10-15' tall. Not the best quality.
32	4130 - Aspen	Poletimber Well	23.3	27	81-110	N/A	Fully stocked, vigorous stand. Sporadic red maple, sugar maple, and white spruce poletimber-sized trees present. White spruce saplings found. Stand harvested in 1998, contract #32-034-97-01.SF 2025: Well-growing fully stocked aspen pole stand. Low ground on stand edges.

29

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Log/Pole	10	
Yellow Birch	13	Log/XLog	12	
Paper Birch	5	Pole	7	
Quaking Aspen	5	Log	16	
Balsam Poplar	5	Log/Pole	10	
White Spruce	2	Log/Pole	13	
Northern White Cedar	60	Log/Pole	12	126
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	Variable	Variable
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet

30

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Sapling/Pole	3	
Paper Birch	2	Pole/Sapling	5	
Quaking Aspen	60	Pole	7	37
Bigtooth Aspen	10	Log/Pole	11	
Balsam Poplar	15	Pole	6	
Balsam Fir	5	Pole/Sapling	7	
Black Cherry	3	Sapling	4	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	5 - 10 feet	5 - 10 feet
Black Ash	Low	5 - 10 feet	5 - 10 feet
Leatherwood	Medium	< 5 feet	< 5 feet
Balsam Fir	High	Variable	Variable
White Spruce	Low	5 - 10 feet	5 - 10 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	Medium	Variable	Variable

31

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	80	Log/Pole	16	90
Red Maple	10	Log	16	
Basswood	10	XLog/Log	18	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Variable
Sugar Maple	High	Variable	Variable
Ironwood	Medium	Variable	Variable

32

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Sapling/Pole	4	27
Red Maple	2	Sapling/Pole	4	27
Quaking Aspen	80	Pole	5	27
Bigtooth Aspen	10	Sapling	3	27
Balsam Poplar	5	Pole	5	
Balsam Fir	1	Pole/Sapling	5	27

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
White Spruce	Trace	10 - 20 feet	10 - 20 feet
Red Maple	High	10 - 20 feet	10 - 20 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
33	4130 - Aspen	Sapling Well	16.6	24	Immature	N/A	Cut in 2001 under permit #32-029-97-01.SF 2025: Well stocked aspen stand with maple and residual cedar poles.
34	6120 - Lowland Cedar	Poletimber Well	12.9	89	81-110	N/A	2016- was suppose to be treated with Gwinn sale to the north but wasn't. contains a mix of spp. and high and low ground. OPIC - FMD: Heavier to cedar. Low area between A3 stand to the east and M6 to the west.SF 2025: Cedar swamp with small sub-2acre hardwood ridge at the far southern edge. Hardwood edge is inaccessible because of low wet ground. Dead black ash within.
35	6120 - Lowland Cedar	Poletimber Well	54.8	75	Unspecified	N/A	SF 2025: Low ground cedar stand with a mix of other deciduous species. Canopy not fully closed, allowing tag alder to grow in patches. Higher density of small birch poles growing in south part of stand.
36	4130 - Aspen	Sapling Well	10.7	24	Immature	N/A	Cut in 2001 under permit #32-029-97-01.SF 2025: Well stocked aspen stand with maple and residual cedar poles.

33

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Sapling/Pole	4	24
Red Maple	3	Sapling/Pole	4	24
Paper Birch	1	Sapling	3	24
Quaking Aspen	87	Sapling	3	24
Balsam Poplar	5	Sapling	3	24
Northern White Cedar	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Black Cherry	Low	Variable	Variable

34

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Log/Pole	10	89
Yellow Birch	10	Log	14	
Paper Birch	5	Log/Pole	10	
Balsam Fir	5	Pole	5	
Northern White Cedar	65	Log	13	89
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	10 - 20 feet	10 - 20 feet

35

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Yellow Birch	5	Pole/Log	8	
Paper Birch	10	Pole	5	
Quaking Aspen	1	Pole	7	
Balsam Poplar	1	Pole	7	
Balsam Fir	5	Sapling/Pole	4	
Black Spruce	10	Pole	7	
Northern White Cedar	60	Pole	7	75
Black Ash	3	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Black Spruce	Low	Variable	Variable
Paper Birch	Low	Variable	Variable
Tag Alder	High	5 - 10 feet	5 - 10 feet
Black Ash	Medium	Variable	Variable

36

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	2	Sapling/Pole	4	24
Red Maple	3	Sapling/Pole	4	24
Paper Birch	1	Sapling	3	24
Quaking Aspen	87	Sapling	3	24
Balsam Poplar	5	Sapling	3	24
Northern White Cedar	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	Variable	Variable
Balsam Fir	Medium	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Ironwood	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
37	4110 - Sugar Maple Association	Sawtimber Well	8.6	95	111-140	N/A	Hemlock and cedar are infrequent overstory associates.SF 2025: Good quality log size northern hardwood stand heavy to sugar maple. Eastern edge of stand is wetter ground. Good maple regeneration of acceptable growing stock in high density throughout, especially within canopy gaps.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	85	Log/Pole	12	95
Red Maple	10	Log	14	
Yellow Birch	4	Log	14	
Hemlock	1	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
Maple (spp.)	Full	< 5 feet	< 5 feet
Maple (spp.)	High	10 - 20 feet	10 - 20 feet
White Spruce	Trace	5 - 10 feet	5 - 10 feet
White Pine	Trace	10 - 20 feet	10 - 20 feet
Black Cherry	Low	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
38	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.9	85	111-140	N/A	Stand harvested under permit # 030-97-01 in 2000. SF 2025: Okay to good quality northern hardwood stand with a good mix of northern hardwood species. Basal area average is around 110, with patches closer to 70.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	50	Log/Pole	13	85
Red Maple	45	Log/Pole	13	
Yellow Birch	2	XLog/Log	18	
Black Cherry	3	Log	13	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	10 - 20 feet	10 - 20 feet
White Spruce	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	Medium	10 - 20 feet	10 - 20 feet
Maple (spp.)	Full	< 5 feet	< 5 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
39	4110 - Sugar Maple Association	Sawtimber Well	2.3	85	141-170	N/A	Good quality upland northern hardwood stand, log size class, heavy to sugar maple. Ironwood is dominating the sapling layer of the understory. Not many maple saplings are acceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	75	Log/Pole	12	85
Red Maple	10	Log/Pole	12	
Yellow Birch	1	Log	14	
Quaking Aspen	5	Pole	6	
Balsam Fir	1	Pole	8	
White Spruce	1	Pole	8	
Hemlock	1	Log	14	
Black Cherry	5	Log	14	
Ironwood	1	Log	15	

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Full	10 - 20 feet	10 - 20 feet
Maple (spp.)	High	< 5 feet	< 5 feet
Maple (spp.)	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
40	6123 - Lowland Fir	Sawtimber Well	31.1	62	81-110	N/A	Fir snags and windthrow common. SF 2025: Stand is part of the active East Lime Timber Sale, 32-004-17 (2). Stand is 2/3 harvested (PU4, harvested in 2022), with the east 1/3 still unharvested (PU5). Residual overstory in harvested portion is 20-30 BA cedar, cherry, and yellow birch. Harvested portion of stand shows free to grow black cherry, balsam poplar, and red maple saplings with heavy deer browse on the lower branches.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	8	
Balsam Poplar	10	Log	12	
Balsam Fir	50	Pole/Log	9	62
White Spruce	33	Log	16	
Black Cherry	2	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
41	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.0	85	81-110	N/A	Retention patch from surrounding aspen clearcut.SF 2025: Small, okay-quality northern hardwood stand in the log/pole size class.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	70	Pole/Log	9	85
Red Maple	20	Pole/Log	9	
Quaking Aspen	5	Pole/Log	9	
Balsam Poplar	5	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Medium	< 5 feet	< 5 feet
Balsam Fir	Full	Variable	Variable
Black Cherry	Low	< 5 feet	< 5 feet
Ironwood	High	10 - 20 feet	10 - 20 feet
Maple (spp.)	Trace	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
42	6111 - Lowland Balsam Poplar	Sapling Well	69.5	25	Immature	N/A	Fully stocked. east-west aligned drainage in stand. Residual hemlock, sugar maple, red maple, and cedar from past overstory. White pine, tamarack, red pine, and black ash saplings present. Was cut in 2000 under permit #30-97-01.SF 2025: Most of stand is well-stocked aspen with bigtooth in the uplands and quaking aspen and balsam poplar in the lowlands.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	3	Sapling/Pole	3	25
American Elm	1	Sapling	3	25
Yellow Birch	1	Sapling	3	25
Paper Birch	1	Sapling	3	25
Quaking Aspen	40	Sapling	3	25
Bigtooth Aspen	9	Sapling/Pole	4	25
Balsam Poplar	40	Sapling	3	25
Balsam Fir	1	Pole/Sapling	6	25
Northern White Cedar	1	Pole	9	
Black Cherry	3	Sapling	3	25

Sub-Canopy Species	Density	Avg. Height	Size
Red Pine	Trace	10 - 20 feet	10 - 20 feet
Sugar Maple	Low	10 - 20 feet	10 - 20 feet
Red Maple	Low	< 5 feet	< 5 feet
Hazelnut (Beaked)	Low	< 5 feet	< 5 feet
Ironwood	Low	10 - 20 feet	10 - 20 feet
White Pine	Trace	10 - 20 feet	10 - 20 feet
White Spruce	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Tamarack	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
43	6120 - Lowland Cedar	Poletimber Poor	114.0	126	1-50	N/A	SF 2025: Wet cedar pole stand. Variable. Low basal area and partially open canopy.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	5	
Yellow Birch	5	Pole/Log	8	
Paper Birch	5	Pole/Log	8	
Balsam Poplar	5	Pole/Log	9	
Northern White Cedar	75	Pole	7	126
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Black Ash	Full	10 - 20 feet	10 - 20 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Northern White Cedar	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
44	6220 - Alder/Willow	None	14.7			No	Stream corridor. Tag alder in patches. Some areas of corridor forested right up to stream.

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	6225 - Bog	None	1.1			No	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
46	6112 - Lowland Aspen	Sapling Well	30.5	23	51-80	N/A	A3 with small patches of residual cedar from last overstory. White spruce, yellow birch, fir, tamarack, and white birch poletimber also present. Fir, white birch, yellow birch, and black cherry saplings found. SF 2025: Wet, well-stocked aspen stand with cedar residuals mixed in. Diverse mix of species in canopy.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	4	Pole	7	
Red Maple	4	Pole/Sapling	5	
Yellow Birch	1	Pole/Sapling	6	
Paper Birch	1	Pole/Sapling	5	
Quaking Aspen	35	Pole/Sapling	5	23
Balsam Poplar	33	Pole/Sapling	5	23
Balsam Fir	4	Pole/Sapling	5	25
White Spruce	1	Log/Pole	10	
Northern White Cedar	11	Pole	5	
Tamarack	1	Pole/Sapling	6	
Black Ash	4	Pole/Sapling	5	
Black Cherry	1	Sapling/Pole	4	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	High	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
47	6139 - Mixed Lowland Forest	Poletimber Poor	64.4	50	1-50	N/A	1/2 to 2/3 of black ash or sub-merchantable size. Ash pockets stagnant - may never reach even one-stick size. Lot of standing water. Cedar patches.SF 2025: Mostly dead black ash with black ash saplings, tag alder, fir, and spruce comping up underneath. Very wet stand. Some areas of denser cedar poles.

Canopy Species	% Cover	Size Class	DBH	Age
American Elm	5	Pole/Sapling	6	
Red Maple	28	Pole	8	50
Yellow Birch	5	Log/Pole	12	
Balsam Fir	25	Pole	6	
White Spruce	25	Pole/Log	8	
Northern White Cedar	5	Pole	8	
White Pine	2	Pole/Sapling	5	
Black Ash	5	Pole/Sapling	7	50

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	Variable	Variable
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Tag Alder	Full	5 - 10 feet	5 - 10 feet
Black Ash	High	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
48	6115 - Lowland Ash	Poletimber Poor	26.4	60	1-50	N/A	Deep muck and organic soils. Flooded. Too wet to freeze in.SF 2025: Stand is mostly dead or dying black ash poles with black ash saplings, spruce, fir, and tag alder coming up underneath.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	4	Pole/Sapling	5	
Yellow Birch	1	Pole	5	
Black Spruce	5	Pole	6	
Northern White Cedar	3	Pole	6	
Black Ash	87	Pole/Sapling	5	60

Sub-Canopy Species	Density	Avg. Height	Size
Yellow Birch	Trace	10 - 20 feet	10 - 20 feet
Black Ash	Full	10 - 20 feet	10 - 20 feet
Black Spruce	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
49	6120 - Lowland Cedar	Sawtimber Well	103.8	108	81-110	N/A	SF 2025: Lowland mixed conifer with large components of cedar and black ash. Many of black ash stems are dead or dying from emerald ash borer. Stand is a large drainage/swale. Basal area is highly variable due to die of of black ash.
50	500 - Water	None	6.3			No	Werner creek corridor.
51	3102 - Grass	None	1.3			No	Old homestead site. Apple tree. Nice dispersed campsite right on Werner creek. Encroaching white spruce trees. Nice site.SF 2025: Apple tree still present. Site is growing in with mix of species.
52	4130 - Aspen	Poletimber Well	9.7	27	51-80	N/A	Heavy stocking. Yellow birch, white pine, and white spruce saplings found.SF 2025: Well stocked well growing aspen stand.
53	4130 - Aspen	Poletimber Well	9.7	52	111-140	N/A	3 to 4 stick aspen. Red maple and white birch saplings present. White birch and white poletimber present.SF 2025: Good quality aspen stand, very well stocked.

49 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Log	8	
Yellow Birch	10	Log	14	
Balsam Fir	5	Pole	8	
Black Spruce	2	Log/Pole	11	
Northern White Cedar	52	Log/Pole	11	108
Hemlock	1	Log	13	
Black Ash	25	Pole/Sapling	6	

49 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	High	< 5 feet	< 5 feet
Black Ash	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Medium	10 - 20 feet	10 - 20 feet

51 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Grasses	High	Not Applicable	Not Applicable
Balsam Fir	Low	>20 feet	>20 feet
Red Maple	Low	>20 feet	>20 feet
White Spruce	Low	>20 feet	>20 feet
White Spruce	Low	>20 feet	>20 feet
Quaking Aspen	Low	>20 feet	>20 feet

52 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	2	Sapling/Pole	3	27
Quaking Aspen	80	Sapling/Pole	4	27
Bigtooth Aspen	10	Sapling	3	27
Balsam Poplar	6	Sapling	3	27
Black Cherry	2	Sapling/Pole	3	27

52 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
White Pine	Trace	Variable	Variable
Black Cherry	Medium	5 - 10 feet	5 - 10 feet
Yellow Birch	Trace	Variable	Variable
Red Maple	Low	5 - 10 feet	5 - 10 feet
White Spruce	Trace	Variable	Variable

53 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Yellow Birch	1	Pole	6	
Paper Birch	7	Log/Pole	10	52
Quaking Aspen	60	Pole	9	52
Bigtooth Aspen	20	Log/Pole	11	52
Balsam Poplar	2	Log	13	52
Balsam Fir	5	Pole	6	
Black Spruce	1	Pole/Sapling	5	
Black Ash	1	Pole	5	
Black Cherry	3	Pole/Sapling	7	

53 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Trace	Variable	Variable
Balsam Fir	Medium	>20 feet	>20 feet
White Spruce	Trace	Variable	Variable
Red Maple	Low	10 - 20 feet	10 - 20 feet
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
54	4319 - Mixed Upland Forest	Unspecifed	61.1	3	Immature		Fir and spruce snags. Low timber quality soft maple. Hemlock and black ash saplings present. Cedar, white birch, and black ash are overstory members.SF 2025: Stand was treated in 2022 under 32-004-17 (2), "East Lime" Sale. Stand is mostly red maple stump sprouts and aspen saplings, mostly free to grow. Heavy deer browse in on parts of saplings under 5 ft in height. Residuals poles of cedar, hemlock, black cherry, yellow birch, and paper birch in the stand.

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	< 5 feet	< 5 feet
Balsam Poplar	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Low	>20 feet	>20 feet
Red Maple	High	5 - 10 feet	5 - 10 feet
Paper Birch	Trace	>20 feet	>20 feet
White Spruce	Trace	< 5 feet	< 5 feet
Northern White Cedar	Low	>20 feet	>20 feet
Hemlock	Trace	>20 feet	>20 feet
Yellow Birch	Low	>20 feet	>20 feet
Quaking Aspen	High	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
55	4113 - R.Maple, Conifer	Poletimber Medium	15.9	70	111-140	N/A	More spruce and fir in overstory next to stand 51. SF 2025: Ok quality red maple stand. Maple saplings within are mostly overtopped unacceptable growing stock. Stand condition is such that thinning would likely not encourage greater quality, with stems mostly pulp-quality.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	56	Log/Pole	11	70
Yellow Birch	10	Log/Pole	13	
Quaking Aspen	5	Log/Pole	13	
Balsam Fir	15	Pole	6	
Northern White Cedar	5	Log/Pole	12	
White Pine	1	XLog	23	
Hemlock	3	Log	14	
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	10 - 20 feet	10 - 20 feet
Black Ash	Low	5 - 10 feet	5 - 10 feet
Red Maple	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
56	4190 - Mixed Upland Deciduous with Cedar	Sapling Poor	4.4	4	Immature	N/A	Harvested 2021. Sale #32-003-17 West Lime.2016- was suppose to be treated with Gwinn sale to the north but wasn't. contains a mix of spp. and high and low ground. OPIC - FMD: Heavier to cedar. Low area between A3 stand to the east and M6 to the west.SF 2025: Stand barely passes regeneration check, contains patches of poor stocking. Overall meets stocking criteria with a mix of red maple, paper birch, fir, and black cherry. Red maple is mostly stump sprout origin.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Sapling	1	4
Paper Birch	10	Sapling	1	4
Quaking Aspen	1	Sapling	1	4
Balsam Poplar	2	Sapling	1	4
Balsam Fir	20	Sapling	1	4
Northern White Cedar	20	Pole	8	
Black Ash	2	Sapling	1	4

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	High	10 - 20 feet	10 - 20 feet
Blackberry/Raspberry	Full	5 - 10 feet	5 - 10 feet
White Spruce	High	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
57	4112 - Maple, Beech, Cherry Association	Sawtimber Well	22.5	95	81-110	N/A	2018: 111-140 BA. No canopy gaps. SF 2025: Stand was recently treated during the "East Lime" Sale, 32-004-17 (2) in 2022. Good-quality northern hardwood log stand, about 90 basal area. Small canopy gaps are now present. Good quality acceptable growing stock maple regeneration is present, much of which is free to grow. Maple regeneration is competing with ironwood component.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	74	Log/Pole	10	95
Red Maple	20	Log/Pole	10	
Yellow Birch	3	Log	16	
Bigtooth Aspen	2	Log	13	
Black Cherry	1	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	High	5 - 10 feet	5 - 10 feet
Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet
Ironwood	High	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
58	4110 - Sugar Maple Association	Poletimber Well	8.3	93	111-140	N/A	Raspberry present. Many gaps in canopy. Spring beauties and clubmoss are predominant groundcover. Stand harvested in December 2011 under contract #021-08-01. SF 2025: Ok to good quality northern hardwoods stand. Legacy trees are within stand. Great regeneration in patches of old canopy gaps.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	80	Log/Pole	11	93
Red Maple	14	Log/Pole	10	
Yellow Birch	1	Log	12	
Bigtooth Aspen	2	XLog/Log	18	
White Spruce	1	Log	16	
Hemlock	1	Log	12	
Black Cherry	1	Log/Pole/XLog	15	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	5 - 10 feet	5 - 10 feet
Black Cherry	Medium	5 - 10 feet	5 - 10 feet
Bigtooth Aspen	Medium	5 - 10 feet	5 - 10 feet
Maple (spp.)	High	5 - 10 feet	5 - 10 feet
Yellow Birch	Trace	5 - 10 feet	5 - 10 feet
Ironwood	Medium	5 - 10 feet	5 - 10 feet
White Spruce	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
59	6120 - Lowland Cedar	Sawtimber Well	3.3	95	111-140	N/A	SF 2025: Wet ground swale in larger hardwood stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	7	Pole	8	95
Red Maple	8	Pole	8	95
Yellow Birch	7	Log/Pole	12	
Basswood	2	XLog/Log	18	
Balsam Fir	3	Pole	6	
White Spruce	5	Log	14	
Northern White Cedar	58	Log/Pole	15	95
Black Ash	10	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	High	< 5 feet	< 5 feet
Maple (spp.)	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet
White Spruce	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
60	4116 - Mixed N. Hardwood - Aspen	Sawtimber Poor	1.9	90	51-80	N/A	Small hills. SF 2025: Seed tree/ shelterwood harvest performed as part of East Lime TS, 32-004-17 (2). Would pass regeneration check, mostly aspen and maple stump sprout. Canopy contains a mix of residual hardwood stems. Heavy deer browse noted on maple seedlings.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	45	Log/Pole	11	90
Red Maple	15	Log/Pole	10	90
Paper Birch	5	Log	14	
Bigtooth Aspen	35	XLog/Log	20	

Sub-Canopy Species	Density	Avg. Height	Size
Mixed Sedges/Grasses	High	Not Applicable	Not Applicable
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Aspen (spp.)	High	5 - 10 feet	5 - 10 feet
Sugar Maple	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Medium	5 - 10 feet	5 - 10 feet
Maple (spp.)	Full	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
61	411 - Northern Hardwood	Sawtimber Well	9.5	85	111-140	N/A	Hardwood island surrounded by wet cedar swamp. Sugar maple, red maple, and yellow birch are overstory components. SF 2025: Confirmed last inventory notes. Basal area estimated to be c.140 from data from similar untreated stands in the area

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.3	90	111-140	N/A	Remote "island" within large wetlands. SF 2025: Hardwood island that could be accessed via stands to the north and west. Ok quality poletimber.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	21	Pole/Log	7	
Red Maple	70	Pole/Log	9	90
Yellow Birch	5	Pole/Log	8	
Basswood	2	Log/Pole	10	
Black Cherry	2	Log/Pole	10	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
63	4115 - Y.Birch, Hemlock NH	Sawtimber Well	3.8	126	81-110	N/A	SF 2025: No access to this stand from the south. Old age northern hardwood stand. Recommend leaving for wildlife. Legacy red maple, hemlock, and yellow birch within.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole	7	
Red Maple	50	Log/XLog	17	126
Yellow Birch	7	XLog/Log	22	
Quaking Aspen	1	XLog/Log	22	
Balsam Fir	2	Pole	5	
Northern White Cedar	15	Log	14	126
Hemlock	15	Log	12	126

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Red Maple	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
64	4110 - Sugar Maple Association	Poletimber Well	9.7	90	111-140	N/A	Selectively harvested in 1998 under permit #32-034-97-01.Hemlock, white spruce, white birch, and yellow birch are infrequent overstory associates. White spruce saplings found. Herbaceous cover is predominantly spring beauties.SF 2025: Stand not yet harvested, but is on contract "East Lime" 32-004-17 (2). Well stocked northern hardwood log stand, heavy to sugar maple, good quality to log-sized trees. Poor quality to pole sized-trees. Maple and yellow birch saplings within are mostly suppressed trees, unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	77	Log/Pole	13	90
Red Maple	10	Log/Pole	12	
Hemlock	1	Log	12	
Black Cherry	12	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Yellow Birch	Low	10 - 20 feet	10 - 20 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet
Maple (spp.)	High	< 5 feet	< 5 feet
Maple (spp.)	Medium	5 - 10 feet	5 - 10 feet
White Spruce	Trace	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
65	4113 - R.Maple, Conifer	Poletimber Well	6.4	90	81-110	N/A	Access to stand blocked by private and wetlands.SF 2025: Time constraints, used old data. Access blocked.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
66	4139 - Aspen, Mixed Deciduous	Poletimber Well	36.3	27	1-50	N/A	Residual large hemlock and cedar retained from cutting in 1998 under contract #32-034-97-01.SF 2025: Ok quality aspen stand with low ground within. Rutting observed in unit from last entry. Parts of stand have cattails and dead black ash. On the east end of the stand there is a small upland hardwood island, about 2.5 acres in size.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	1	Log/Pole	10	
Red Maple	6	Pole	7	27
Yellow Birch	4	Sapling/Pole	4	27
Bigtooth Aspen	53	Sapling/Pole	4	27
Balsam Poplar	15	Sapling/Pole	3	27
Balsam Fir	10	Sapling/Pole	4	27
White Spruce	6	Sapling/Pole	4	27
Northern White Cedar	2	Log/Pole	11	
Hemlock	1	Log	13	
Black Cherry	2	Sapling/Pole	3	27

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	Variable	Variable
Hazelnut (Beaked)	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
67	4119 - Mixed Northern Hardwoods	Poletimber Well	4.8	85	111-140	N/A	SF 2025: Okay quality northern hardwood pole/log stand with legacy trees. Maple saplings present are unacceptable growing stock. Heavy to spruce/fir/aspen species near intermittent stream located to the east.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	40	Log/Pole	10	85
Sugar Maple	8	XLog	25	
Red Maple	20	Log/Pole	10	85
Basswood	15	Log	17	85
Quaking Aspen	5	Log/Pole	11	
Balsam Fir	5	Pole	6	
White Spruce	5	Pole	6	
Black Cherry	2	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	Variable	Variable
Leatherwood	Medium	5 - 10 feet	5 - 10 feet
Maple (spp.)	Low	10 - 20 feet	10 - 20 feet
Maple (spp.)	Full	< 5 feet	< 5 feet
Ironwood	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
68	4110 - Sugar Maple Association	Sawtimber Well	26.9	85	81-110	N/A	Harvested 2021-2022. Sale #32-003-17 West Lime.Stand harvested in 1991, and again in 2008 under permit #32-028-07-01. Many maple seedlings browsed. Pockets of M3 10 to 20 feet tall. Patches of sparse raspberry. White spruce saplings found.White spruce and hemlock are infrequent overstory associates. SF 2025: Good quality northern hardwood stand heavy to sugar maple. Great acceptable growing stock advanced regeneration coming up in canopy gaps. Canopy closure roughly 75%.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	80	Log/Pole	10	85
Red Maple	7	Log/Pole	11	
Yellow Birch	5	XLog	24	
Basswood	5	Log	13	
Northern White Cedar	1	Pole	7	
Hemlock	2	XLog/Log	19	

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	< 5 feet	< 5 feet
Leatherwood	Medium	< 5 feet	< 5 feet
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet
Sugar Maple	High	5 - 10 feet	5 - 10 feet
Ironwood	Medium	Variable	Variable
Sedges	High	Not Applicable	Not Applicable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
69	4110 - Sugar Maple Association	Sawtimber Well	37.2	100	81-110	N/A	Harvested 2021-2022. Sale #32-003-17 West Lime.Select cut in 1997 under permit #32-031-97-01. SF 2025: High quality northern hardwood stand stand heavy to sugar maple. Stand just harvested, is growing acceptable advanced regeneration.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	92	Log	14	100
Red Maple	2	Log/Pole	11	
Yellow Birch	2	Log	16	
Basswood	2	XLog/Log	18	
Black Cherry	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Full	< 5 feet	< 5 feet
Leatherwood	Low	< 5 feet	< 5 feet
Balsam Fir	Low	Variable	Variable
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
70	6120 - Lowland Cedar	Poletimber Medium	23.3	106	51-80	N/A	Cedar, fir, balsam poplar, and red maple form overstory. Very wet.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	6	
Yellow Birch	5	Pole	7	
Balsam Fir	5	Pole/Sapling	6	
Northern White Cedar	80	Pole	9	106
Black Ash	5	Sapling/Pole	3	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	Variable	Variable
Black Ash	High	< 5 feet	< 5 feet
Black Spruce	Trace	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
71	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.9	85	81-110	N/A	Werner Creek corridor. Mostly poor timber quality soft maple. Patches and scattered overstory hemlock.SF 2025: Poor quality northern hardwoods stand. Access is through aspen stand to the west, access is difficult and you need to cut through the stand to get to this stand. Should be treated during same entry with aspen. Legacy red maple, yellow birch, and hemlock trees within.
72	6229 - Mixed Lowland Shrub	None	11.3			No	Mostly tag alder with some cedar and black spruce poles. High amount of dead ash snags.
73	6120 - Lowland Cedar	Sawtimber Well	11.0	126	81-110	N/A	Very wet. Adjacent to Werner creek. White birch uncommon in overstory. White spruce and white birch saplings present.SF 2025: Lowland conifer stand containing log-size cedar, yellow birch, and hemlock. Mixed deciduous components are located along N/S swale with lots of dead or dying black ash. Basal area is much lower in the black ash swale.
74	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	13.9	80	51-80	N/A	SF 2025: Lowland birch aspen stand. Stand is in the process of falling apart, with a moderate amount of blowdown within. Birch is okay to good quality, northern hardwood poles are low quality.

71 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Log	7	
Red Maple	70	Log/XLog	17	85
Yellow Birch	7	XLog/Log	22	
Quaking Aspen	1	XLog/Log	22	
Balsam Fir	2	Pole	5	
Northern White Cedar	2	Log	14	
Hemlock	7	Log	12	
Black Cherry	1	Pole	8	

71 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Trace	Variable	Variable
Balsam Fir	Medium	Variable	Variable
White Spruce	Low	Variable	Variable
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	High	< 5 feet	< 5 feet

72 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Full	Variable	Variable
Sedges	Medium	Not Applicable	Not Applicable
Red Maple	Trace	5 - 10 feet	5 - 10 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable
Black Spruce	Low	>20 feet	>20 feet
Northern White Cedar	Low	>20 feet	>20 feet

73 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Yellow Birch	20	Log/XLog	17	
Balsam Poplar	1	Log	17	
Balsam Fir	1	Pole	8	
Black Spruce	2	Pole	7	
Northern White Cedar	64	Log/Pole	13	126
Hemlock	2	Log/Pole	14	
Black Ash	5	Pole/Sapling	5	

73 — Sub-Canopy Species

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	10 - 20 feet	10 - 20 feet
Balsam Fir	High	Variable	Variable
White Spruce	Low	Variable	Variable
Paper Birch	Low	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet

74 — Canopy Species

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Paper Birch	30	Pole/Log	9	80
Quaking Aspen	30	Log	17	80
Balsam Poplar	5	Log/Pole	12	
Balsam Fir	5	Pole	5	
White Spruce	5	Pole	6	
Northern White Cedar	15	Pole/Log	8	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
75	6139 - Mixed Lowland Forest	Poletimber Poor	17.4	70	1-50	N/A	Areas are flooded. Drainages. SF 2025: Many dead ash snags within. Canopy has partially fallen apart.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	6	70
Yellow Birch	20	Log/Pole	15	70
Balsam Fir	20	Pole	6	
White Spruce	20	Log/Pole	14	70
Northern White Cedar	14	Pole/Log	7	
Hemlock	2	Pole	8	
Black Ash	5	Pole/Sapling	6	
Black Cherry	4	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Low	Not Applicable	Not Applicable
Balsam Fir	High	Variable	Variable
Mixed Sedges/Grasses	High	Not Applicable	Not Applicable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
76	6131 - Hemlock, White Pine, Maple, Birch	Sawtimber Well	5.2	110	111-140	N/A	White birch and white pine are uncommon overstory members. White pine saplings found.SF 2025: Uneven aged mixed stand with cohorts of young spruce/fir, log-size red maple/ yellow birch , and xlog size hemlock. Red maple in stand has ok to poor sawtimber potential because of poor quality. Fir has heavy spruce budworm damage. Most of yellow birch are wildlife-quality. Die back seen in red maple and yellow birch.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	49	Log/Pole	14	110
Yellow Birch	4	Pole	9	
Quaking Aspen	1	Pole	6	27
Balsam Fir	5	Pole	5	
White Spruce	4	Pole/Sapling	5	27
Black Spruce	10	Pole	8	
Northern White Cedar	1	Pole/Log	9	110
White Pine	1	XLog	30	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	10 - 20 feet	10 - 20 feet
White Pine	Trace	10 - 20 feet	10 - 20 feet
Black Cherry	Trace	10 - 20 feet	10 - 20 feet
Red Maple	Medium	Variable	Variable
White Spruce	Medium	10 - 20 feet	10 - 20 feet
Hemlock	Trace	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
77	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	7.4	126	171-200	N/A	SF 2025: Stand which is mostly low ground cedar, red maple, yellow birch, and hemlock. Multiple wet swales within. Small 1 acre hardwood patch in the middle of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	28	XLog/Log	18	126
Yellow Birch	10	XLog/Log	18	126
Balsam Fir	2	Pole	5	
White Spruce	2	Log	13	
Northern White Cedar	33	Log/Pole	12	126
White Pine	2	XLog/Log	19	
Hemlock	21	XLog/Log	18	126
Black Ash	2	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Cattail spp.	Medium	Not Applicable	Not Applicable
Balsam Fir	Medium	Variable	Variable
Sphagnum Moss	Low	Not Applicable	Not Applicable
Red Maple	Low	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
78	42390 - Mixed Non-Pine Upland Conifers	Sawtimber Well	24.1	126	81-110	N/A	Werner Creek corridor. White spruce and hemlock are overstory members.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Yellow Birch	10	Pole/Sapling	6	
Balsam Fir	10	Pole	8	
Black Spruce	10	Pole	8	
Northern White Cedar	51	Log/Pole	12	126
Black Ash	4	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
79	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	8.9	82	111-140	N/A	SF 2025: Wetter hardwood stand, mostly okay quality log size red maple.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	60	Log/Pole	10	82
Yellow Birch	10	Log	14	
Northern White Cedar	10	Log/Pole	10	
Hemlock	20	Log	14	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Red Maple	Medium	< 5 feet	< 5 feet
White Spruce	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	5 - 10 feet	5 - 10 feet
White Pine	Low	< 5 feet	< 5 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
80	6120 - Lowland Cedar	Poletimber Well	1.4	80	81-110	N/A	SF 2025: Low conifer pocket

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	8	
Yellow Birch	5	Pole	8	
Balsam Fir	10	Pole/Sapling	6	
Black Spruce	10	Pole/Sapling	6	
Black Spruce	2	XLog/Log	18	
Northern White Cedar	50	Pole	9	80
Black Ash	13	Pole/Sapling	5	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
81	6120 - Lowland Cedar	Poletimber Medium	7.2	105	81-110	N/A	Area has been thinned through in past. Yellow birch in overstory. Yellow birch and black spruce saplings found. Clumpy distribution to cedar overstory.SF 2025: Much of black ash in overstory has died leaving snags. Wet stand; much of stand is a swale. Last harvest gave stand a patchy overstory distribution and now saplings are coming up between holes in the canopy.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Sapling/Pole	3	25
Yellow Birch	2	Pole/Log	7	
Balsam Poplar	10	Sapling/Pole	4	25
Balsam Fir	5	Pole	6	25
Northern White Cedar	57	Pole	7	105
Hemlock	10	Log/Pole	12	
Black Ash	6	Pole/Sapling	6	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	< 5 feet	< 5 feet
Quaking Aspen	Medium	>20 feet	>20 feet
Red Maple	Medium	< 5 feet	< 5 feet
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Full	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
82	6130 - Fir, Aspen, Maple	Unspecifed	11.1	3	81-110		SF 2025: Stand was harvested in 2025 under contract: #32-004-17 (2) "East Lime". Prior to harvest it was typed as an upland mixed cover type dominated by red maple, fir, spruce, and some aspen. Stand is fully stocked with advanced regeneration as of 2025, although timber sale was not yet closed out. Patches of stand are very wet and are not yet regenerating. Area in the north of the parent stand was used as retention.

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	Low	5 - 10 feet	5 - 10 feet
Black Ash	Low	5 - 10 feet	5 - 10 feet
Paper Birch	Trace	< 5 feet	< 5 feet
Maple (spp.)	Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen	High	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
83	6113 - Lowland Maple	Poletimber Well	12.8	106	81-110	N/A	SF 2025: Low ground red maple pole stand. Poor quality.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	15	Pole	7	
Red Maple	45	Pole	9	106
Yellow Birch	10	Pole	8	
Paper Birch	20	Pole	7	
Quaking Aspen	10	Log/XLog	17	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
84	6122 - Black Spruce	Poletimber Well	7.8	69	81-110	N/A	SF 2025: Good quality black spruce stand, not yet deteriorating. Eastern part of stand is a patch of aspen. Black spruce saplings within are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	6	
Yellow Birch	1	Log/Pole	10	
Quaking Aspen	10	Log/Pole	15	69
Balsam Fir	5	Pole	5	
Black Spruce	77	Pole	7	69
Northern White Cedar	1	Log/Pole	10	
Hemlock	1	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Spruce	Low	5 - 10 feet	5 - 10 feet
Labrador Tea	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
85	612 - Lowland Coniferous Forest	Poletimber Poor	25.0	110	Unspecified	N/A	Very saturated soils.Sf2025: Time constraints, used old data. Airphoto shows small canopies, likely black ash, tag alder, cedar and other mixed small conifer poletimber.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
86	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.6	85	141-170	N/A	SF 2025: Small, densely stocked northern hardwood stand heavy to red maple. Ok quality. Maple saplings are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	20	Pole/Log	8	85
Red Maple	65	Pole/Log	7	85
Yellow Birch	2	Pole	7	
Paper Birch	3	Pole/Log	7	
Quaking Aspen	5	Log/Pole	12	
White Spruce	5	Log/Pole	11	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Maple (spp.)	Medium	>20 feet	>20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
87	613 - Lowland Mixed Forest	Poletimber Well	3.3	85	51-80	N/A	SF 2025: Small mixed conifer/hardwood island at tip of aspen stand. Should be treated with the aspen stand to the south because it is cut off from access to the west by very wet ground.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
88	6120 - Lowland Cedar	Poletimber Medium	10.3	85	51-80	N/A	Sf 2025: Very wet lowland cedar stand. Trees within are mostly small.
89	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	38.3	126	81-110	N/A	Heavy to cedar lowland stand. Some black ash, balsam poplar, aspen, red maple, and yellow birch. Split off from larger lowland mixed stand because of access from adjacent compartment to the west.
90	6112 - Lowland Aspen	Poletimber Poor	5.4	106	51-80	N/A	SF 2025: Low ground blowdown area. Stand has fallen apart, canopy coverage is closer to 25%, 50 basal area average with patches much lower than 50 basal area. Is naturally successing to mixed deciduous with maple and aspen being the dominant species coming up.
91	4134 - Aspen, Spruce/Fir	Sawtimber Well	4.4	80	111-140	N/A	SF 2025: Old age aspen stand with heavy component of spruce and fir. Some healthy black cherry in stand, but overall low quality and aging out.

88

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	5	
Yellow Birch	5	Pole	8	
Black Spruce	5	Pole/Sapling	6	
Northern White Cedar	85	Pole	6	85

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	Low	5 - 10 feet	5 - 10 feet

90

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	7	
Paper Birch	10	Pole	8	
Quaking Aspen	60	XLog	20	106
Balsam Fir	10	Pole/Sapling	5	
White Spruce	10	Pole	7	
Black Cherry	5	Log/Pole	12	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	Variable	Variable
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet
Aspen (spp.)	Medium	Variable	Variable
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet
Paper Birch	Low	5 - 10 feet	5 - 10 feet
Maple (spp.)	High	Variable	Variable

91

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	7	
Red Maple	5	Pole	7	
Paper Birch	2	Pole	7	
Quaking Aspen	52	Log	16	80
Balsam Fir	15	Pole	7	
White Spruce	5	Pole	9	
Black Ash	1	Pole/Sapling	5	
Black Cherry	15	Log/Pole	13	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
Black Cherry	Trace	Variable	Variable
Black Ash	Low	< 5 feet	< 5 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
92	4199 - Other Mixed Upland Deciduous	Sawtimber Well	4.0	80	81-110	N/A	SF 2025: Upland mixed deciduous stand with heavy component of old-age aspen. Maple within is of okay quality.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	8	Pole	9	
American Elm	1	Pole	8	
Red Maple	30	Log/Pole	12	80
Yellow Birch	1	Pole	8	
Paper Birch	1	Pole	8	
Quaking Aspen	31	Log	16	80
Balsam Fir	8	Pole	7	
White Spruce	8	Log/Pole	15	
Northern White Cedar	1	Pole	8	
Black Ash	3	Pole	6	
Black Cherry	8	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Maple (spp.)	High	5 - 10 feet	5 - 10 feet
Black Cherry	Medium	Variable	Variable
White Spruce	Low	Variable	Variable
Aspen (spp.)	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
93	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Poor	19.0	50	51-80	N/A	SF 2025: Variable lowland mixed stand. Stand contains multiple wet swales and intermittent streams

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	50	Pole	7	50
Yellow Birch	2	Log/Pole	16	
Paper Birch	5	Pole	8	
Quaking Aspen	10	Log	17	
Balsam Poplar	1	Log/Pole	10	
Balsam Fir	5	Pole/Sapling	5	
White Spruce	5	Log/Pole	10	
Black Spruce	2	Pole	8	
Northern White Cedar	5	Pole	8	
White Pine	1	XLog/Log	22	
Hemlock	5	XLog/Log	18	
Black Ash	5	Pole/Sapling	5	50
Black Cherry	4	Log/Pole	10	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet
Black Ash	Medium	Variable	Variable
Red Maple	High	Variable	Variable
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Aspen (spp.)	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
94	6120 - Lowland Cedar	Poletimber Poor	10.1	50	51-80	N/A	1/2 to 2/3 of black ash or sub-merchantable size. Ash pockets stagnant - may never reach even one-stick size. Lot of standing water. Cedar patches.SF 2025: Low mixed stand. Much of the black ash canopy has died leaving open patches. Low basal area, small timber. Tag alder coming up in open patches.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole/Log	8	
Yellow Birch	4	Pole/Log	8	
Paper Birch	4	Pole	8	
Balsam Poplar	2	Log/Pole	10	
Balsam Fir	15	Pole	7	
Black Spruce	5	Pole	8	
Northern White Cedar	50	Pole	8	50
Black Ash	5	Pole/Sapling	5	50

Sub-Canopy Species	Density	Avg. Height	Size
Tag Alder	High	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
95	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	4.6	75	81-110	N/A	SF 2025: Aspen stand which is deteriorating due to advanced age. Contains a patch of nearly pure black spruce and some patches of poor quality red maple and white birch poles. Stand is low ground.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	20	Pole/Log	8	
Yellow Birch	3	Pole/Log	9	
Paper Birch	10	Pole	7	
Quaking Aspen	35	Log	14	75
Balsam Fir	5	Pole	6	
Black Spruce	20	Pole	7	
Northern White Cedar	3	Pole	9	
Hemlock	1	Log	12	
Black Cherry	3	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen	Low	< 5 feet	< 5 feet
Balsam Fir	High	< 5 feet	< 5 feet
Balsam Fir	Low	Variable	Variable
Paper Birch	Trace	Variable	Variable
Maple (spp.)	Low	Variable	Variable
Black Spruce	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
96	4119 - Mixed Northern Hardwoods	Poletimber Well	9.7	126	81-110	N/A	SF 2025: Upland with lowland, mixed deciduous stand split off from surrounding lowland stand. Okay quality to hardwood species. Aspen is overmature.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole	7	126
Red Maple	67	Pole	9	126
Yellow Birch	5	Pole	8	
Paper Birch	5	Log/Pole	11	
Quaking Aspen	2	XLog	23	
Balsam Fir	2	Pole	6	
White Spruce	3	Pole/Log	9	
Northern White Cedar	5	Pole	7	
Hemlock	1	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
Maple (spp.)	Low	5 - 10 feet	5 - 10 feet
Balsam Fir	High	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
97	6112 - Lowland Aspen	Poletimber Medium	19.6	85	81-110	N/A	SF 2025: Old-age aspen stand which is falling apart and naturally converting to red maple. 10-20% of aspen is 24+ inches in diameter. Multiple wet swales within the stand. Black ash saplings are coming up in many areas. Wet stand. Maple poles are poor quality.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	35	Pole/Log	8	
Yellow Birch	2	Log	17	
Paper Birch	7	Pole/Log	7	
Quaking Aspen	45	XLog	20	85
Balsam Fir	2	Pole	7	
White Spruce	2	Pole/Log	8	
Northern White Cedar	5	Log/Pole	10	
Hemlock	1	Log/Pole	12	
Black Cherry	1	Pole	7	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	High	5 - 10 feet	5 - 10 feet
Black Ash	High	5 - 10 feet	5 - 10 feet
Red Maple	High	10 - 20 feet	10 - 20 feet
Balsam Fir	Medium	Variable	Variable
White Spruce	Medium	Variable	Variable
Aspen (spp.)	Medium	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
98	6113 - Lowland Maple	Sawtimber Well	5.1	85	171-200	N/A	SF 2025: Small poor quality red maple stand. Large diameter log-size trees are wildlife-quality and are of the poorest quality. Multiple wet swales within. Maple saplings are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	16	XLog	22	
Red Maple	60	Pole	9	85
Yellow Birch	2	Pole/Log	9	
Quaking Aspen	5	XLog/Log	18	
White Spruce	5	Pole/Log	9	
Northern White Cedar	5	Pole	6	
Hemlock	5	Log	12	
Black Ash	2	Pole	6	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	< 5 feet	< 5 feet
Balsam Fir	High	>20 feet	>20 feet
Black Ash	Medium	5 - 10 feet	5 - 10 feet
Hazelnut (Spp.)	Medium	5 - 10 feet	5 - 10 feet
Quaking Aspen	Low	< 5 feet	< 5 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet

99	6119 - Mixed Lowland Deciduous Forest	Poletimber Well	31.7	77	111-140	N/A	SF 2025: Mixed deciduous lowland stand. Maple saplings within are unacceptable growing stock. 77 years old. Aspen is deteriorating, but other species are still healthy. Southern tip a little heavier to paper birch than main part of stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	55	Pole	7	77
Yellow Birch	10	XLog	18	
Paper Birch	13	Pole	8	77
Quaking Aspen	5	Log	16	
Balsam Fir	7	Pole	6	
White Spruce	5	Log/Pole	13	
White Pine	1	XLog/Log	22	
Hemlock	1	XLog/Log	18	
Black Ash	3	Pole/Sapling	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	High	Variable	Variable
Maple (spp.)	Low	Variable	Variable
White Spruce	Low	5 - 10 feet	5 - 10 feet
Yellow Birch	Trace	Variable	Variable
Ironwood	Low	5 - 10 feet	5 - 10 feet

100	6113 - Lowland Maple	Poletimber Well	12.3	85	81-110	N/A	SF 2025: Low ground red maple stand, poor quality and slow growing. Basal area is highly variable between upland ground and lowland ground, with low ground showing basal areas as low as 50-70. Red maple saplings are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	80	Pole/Log	8	85
Yellow Birch	2	Log/Pole	12	
Paper Birch	3	Pole/Log	7	
Quaking Aspen	5	XLog/Log	18	
Balsam Fir	2	Pole	5	
White Spruce	2	Pole/Log	8	
Northern White Cedar	5	Pole	7	
Hemlock	1	Log	12	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	< 5 feet	< 5 feet
Red Maple	Low	>20 feet	>20 feet
Balsam Fir	Low	Variable	Variable
Balsam Fir	Medium	< 5 feet	< 5 feet

101	4130 - Aspen	Sawtimber Medium	4.6	90	81-110	N/A	SF 2025: Stand is large diameter aspen which has gone past its economic rotation age. A fair amount of blowdown is within the stand, but the basal area is still around 100. Stand is in the process of deteriorating and successing.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	5	Pole	6	
Red Maple	15	Pole	7	
Paper Birch	10	Pole	7	
Quaking Aspen	60	Log	13	90
Balsam Fir	5	Pole	8	
Black Spruce	5	Pole	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	Variable	Variable
Quaking Aspen	High	< 5 feet	< 5 feet
White Spruce	Low	Variable	Variable
Balsam Fir	High	< 5 feet	< 5 feet
Balsam Fir	Medium	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
102	6122 - Black Spruce	Poletimber Well	2.0	75	51-80	N/A	SF 2025: Small acreage black spruce. Good quality and basal area.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole/Sapling	5	
Quaking Aspen	5	Log/Pole	14	
Balsam Fir	5	Pole/Sapling	5	
Black Spruce	85	Pole	7	75

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	Variable	Variable
Leatherleaf	Medium	5 - 10 feet	5 - 10 feet
Red Maple	Low	Variable	Variable
Tag Alder	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
103	4119 - Mixed Northern Hardwoods	Sawtimber Well	13.2	100	111-140	N/A	Select cut in 1997 under permit #32-031-97-01.SF 2025: Stand is an okay quality northern hardwood stand heavier to sugar maple, but with a diverse mix of species. Maple regeneration present was unacceptable growing stock. Large area of spruce-fir, roughly 2.5 acres, in the center of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	55	Log	14	100
Red Maple	5	Log/Pole	10	
Yellow Birch	10	Log	16	
Quaking Aspen	5	Log/Pole	12	
Balsam Fir	10	Pole	8	
White Spruce	10	Log/Pole	10	
Northern White Cedar	2	Pole	8	
White Pine	1	XLog	24	
Hemlock	1	Log	12	
Black Cherry	1	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
White Spruce	Low	< 5 feet	< 5 feet
Maple (spp.)	Low	10 - 20 feet	10 - 20 feet
Balsam Fir	High	< 5 feet	< 5 feet
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
104	6120 - Lowland Cedar	Sawtimber Medium	9.0	108	111-140	N/A	SF 2025: Mostly mixed lowland conifers with some hardwood in patches. Very wet, multiple swales. Canopy is falling apart in patches as ash dies

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	23	Pole/Log	7	
Yellow Birch	2	Pole/Log	7	
Balsam Fir	5	Pole	8	
White Spruce	2	Log/Pole	14	
Northern White Cedar	50	Log/Pole	13	108
White Pine	3	XLog/Log	18	
Hemlock	10	XLog	25	
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Medium	10 - 20 feet	10 - 20 feet
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
Tag Alder	High	5 - 10 feet	5 - 10 feet
White Spruce	Low	Variable	Variable

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
105	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.0	85	111-140	N/A	SF 2025: Dense, okay quality, northern hardwoods stand heavy to red maple. Most red maple saplings are unacceptable growing stock.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	10	Pole/Log	8	
Red Maple	75	Log/Pole	12	85
Yellow Birch	5	Pole/Log	6	
White Spruce	5	Pole	8	
Black Cherry	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Hazelnut (Spp.)	Low	5 - 10 feet	5 - 10 feet
White Spruce	Low	Variable	Variable
Balsam Fir	High	Variable	Variable
Red Maple	Low	10 - 20 feet	10 - 20 feet
Quaking Aspen	Low	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
106	6120 - Lowland Cedar	Sawtimber Well	3.7	95	81-110	N/A	Wet cedar pocket cut off by lowlands.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	10	Pole	6	95
Yellow Birch	4	Pole	8	
Balsam Poplar	4	Log/Pole	10	
Balsam Fir	5	Pole	6	95
Northern White Cedar	72	Log/Pole	10	95
Hemlock	5	Log/Pole	12	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
107	4110 - Sugar Maple Association	Sawtimber Well	27.1	100	51-80	N/A	Harvested 2021-2022. Sale #32-003-17 West Lime.Select cut in 1997 under permit #32-031-97-01. SF 2025: High quality northern hardwood stand stand heavy to sugar maple. Stand just harvested, was cut heavier than adjacent part of stand to the east (70 basal area residual).

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	92	Log	14	100
Red Maple	2	Log/Pole	11	
Yellow Birch	2	Log	16	
Basswood	2	XLog/Log	18	
Black Cherry	2	Pole/Log	9	

Sub-Canopy Species	Density	Avg. Height	Size
Leatherwood	Low	< 5 feet	< 5 feet
Sugar Maple	Full	< 5 feet	< 5 feet
Balsam Fir	Low	Variable	Variable
Blackberry/Raspberry	Medium	< 5 feet	< 5 feet
Ironwood	Medium	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
108	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	21.1	126		N/A	Stand appears the same as Q2 stand to the west.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
109	6118 - Lowland Deciduous with Cedar	Poletimber Medium	10.3	85	111-140	N/A	Mixed lowland deciduous stand heavy to red maple, paper birch, white cedar, and yellow birch. Paper birch beginning to decline. Old cedar stumps suggest stand origin was a timber harvest. Much of black ash is on stand edges and is dying or already dead. White spruce are windfirm super canopy trees. Good quality to paper birch. Poor quality to red maple stems. Yellow birch is mostly wildlife-quality. Red maple saplings are unacceptable growing stock. More red maple in the north portion of the stand, while there is more paper birch in the southern finger of the stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	31	Pole/Log	8	85
Yellow Birch	10	Log/XLog	15	
Paper Birch	20	Pole	8	85
Balsam Poplar	2	Log/Pole	16	
Balsam Fir	5	Pole	6	
White Spruce	5	Log	14	
Northern White Cedar	22	Pole/Log	9	
White Pine	1	XLog/Log	18	
Black Ash	4	Pole/Sapling	5	50

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Medium	< 5 feet	< 5 feet
Red Maple	Medium	10 - 20 feet	10 - 20 feet
Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Balsam Fir	Low	5 - 10 feet	5 - 10 feet
White Spruce	Low	Variable	Variable
White Spruce	Medium	< 5 feet	< 5 feet
Northern White Cedar	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
110	6120 - Lowland Cedar	Sawtimber Well	36.5	126	171-200	N/A	Black ash saplings found. White birch and tamarack are overstory associates. Stream running through stand (15 feet wide in certain stretches).SF 2025: Wet cedar stand with pockets of dead black ash. Stream running through stand.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	5	Pole	7	
Yellow Birch	2	Pole/Log	8	
Paper Birch	5	Log/Pole	10	
Balsam Poplar	4	Log/Pole	13	
Balsam Fir	5	Pole	6	
White Spruce	4	Log/Pole	12	
Northern White Cedar	70	Log/Pole	12	126
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
112	6119 - Mixed Lowland Deciduous Forest	Sawtimber Well	21.4	126	111-140	N/A	SF 2025: Lowland mixed deciduous/maple stand in the pole/ log size class. Not much acceptable advanced regeneration in the understory.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	57	Pole/Log	8	126
Yellow Birch	5	Pole/Log	9	
Paper Birch	5	Pole/Log	8	
Balsam Poplar	15	Log	13	
Balsam Fir	3	Pole	7	
Black Spruce	2	Log	14	
Northern White Cedar	8	Pole/Log	9	126
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
113	6118 - Lowland Deciduous with Cedar	Poletimber Well	9.3	126	81-110	N/A	SF 2025: Lowland birch stand. Birch is just starting to deteriorate and die. Intermittent stream is near the stand edge to the northeast.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Pole	8	
Yellow Birch	2	Log/Pole	10	
Paper Birch	50	Pole	9	126
Balsam Poplar	5	XLog/Log	18	
Balsam Fir	5	Pole	7	
Northern White Cedar	20	Log/Pole	10	126
Black Ash	3	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	Low	Variable	Variable
Maple (spp.)	Low	Variable	Variable
Balsam Fir	Low	Variable	Variable
Yellow Birch	Trace	10 - 20 feet	10 - 20 feet

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
114	6118 - Lowland Deciduous with Cedar	Poletimber Poor	3.8	126	51-80	N/A	SF 2025: Wet lowland mixed deciduous stand. Canopy sparse.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	45	Pole	6	126
Yellow Birch	5	Pole	8	
Paper Birch	5	Pole	6	
Balsam Poplar	5	Log/Pole	10	
Balsam Fir	10	Sapling/Pole	4	
Black Spruce	5	Sapling/Pole	4	
Northern White Cedar	20	Pole	7	126
Black Ash	5	Pole	5	

Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	Low	5 - 10 feet	5 - 10 feet