

Compartment Review Presentation

Roscommon Forest Management Unit

Compartment 71046

Entry Year: 2027

Acreage: 2,222

County: Roscommon

Management Area: High Sand Plains

Stand Examiner: Doug Tyran

Legal Description:

T22N R02W Sec. 20, 21, 22, 23 & 24

Identified Planning Goals:

Maintain the State Forest resource in a healthy condition to meet: State Forest Management Plan Objectives, Wildlife Habitat Improvements, & Recreational Use.

Soil and topography:

Upland soils consist primarily of Au Gres-Kinross-Cross-Grayling Complex Sands. Lowland soils consist of mostly Tawas Lupton Mucks. The topography is relatively flat.

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

There is mostly state land in and around the compartment with some private ownership, primarily residences on the far east off of Emery Road, and a few scattered hunting camps.

Unique Natural Features:

None known.

Archeological, Historical, and Cultural Features:

None know.

Special Management Designations or Considerations:

A Reviewable SCA that does not meet criteria and should be removed. There is beaver activity in Section 23. There are historic comments for Osprey & Common loon in the compartment (none were observed).

Watershed and Fisheries Considerations:

Most of this compartment is in Central Lake Michigan Management Unit (CLMMU). Denton Creek flows through the western half of this compartment. Best management practices should be utilized to buffer any timber harvesting near lowlands or along the creek if water or wet soils are present.

Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen while creating early successional habitat benefiting deer, grouse, and woodcock. Openings are prescribed to be maintained in this compartment benefiting deer, turkey, grouse, and song birds.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for economic deposits of metallic minerals in this part of the state. The nearest known active sand/gravel operation is just over one mile southeast. Potential for sand & gravel development within the compartment, however, may be limited due to the prevalence of wetlands and a shallow water table. The compartment is on the northern edge of the abandoned Denton Creek Oil Field. The field was abandoned in the late 1990s. There has been no recent well permitting activity in or around the compartment, and there is also no current leasing activity involving State-owned oil & gas rights in the area. Potential for future oil & gas development within the compartment is considered low at this time.

Vehicle Access:

Best vehicle access is either from the East off of Emery road or from the West off of Crooked Road. There are various state forest roads off of these roads providing fair access to a majority of the compartment. A road will be needed to access timber in Section 24 if access is not granted from adjacent private landowners.

Survey Needs:

A survey will be needed in Section 24.

Recreational Facilities and Opportunities:

A snowmobile trail traverses through Section 20. The area is mainly used for compartment is heavily used for hunting and other recreational pursuits. There is some resource damage from Off-Road-Vehicles in Section 24 from users driving on

undesignated roads.

Fire Protection:

A majority of this compartment are deciduous cover types or lowland, which are somewhat resistant to large contiguous wildfires. However, given the right conditions fires could certainly occur, most probable from adjacent private landowners or recreationists within the areas of Red Pine or Jack Pine. Best access is along the county roads then to State Forest Roads.

Additional Compartment Information:

The following reports from the Inventory are attached:

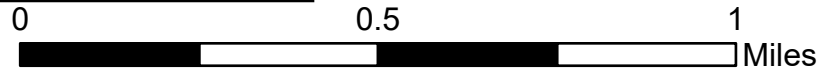
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

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

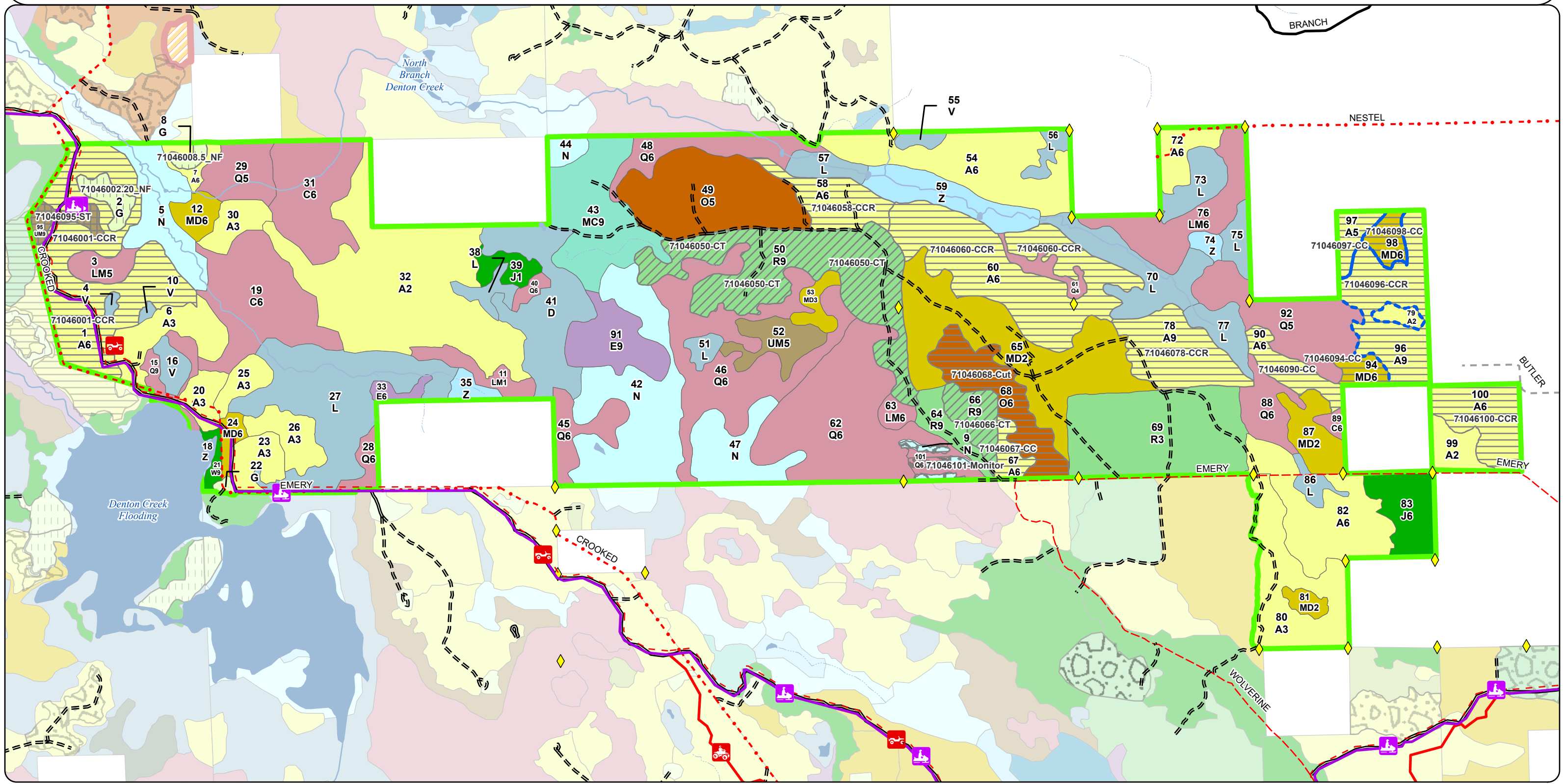
Cover Type & Treatments Map

Compartment: 71046
T22N, R02W, Sec. 20-25
County: Roscommon
Unit: Roscommon
Mgmt. Area: High Sand Plains
YOE: 2027
Acres: 2,222 GIS Calculated
Examiner: Doug Tyran
Date Exported: 09/30/2025
Map Phase: Post Review



- Survey Grade Corners
- Culvert
- Designated ORV Routes
- Designated ATV Trails
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Intermittent Stream
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Clearcut
- Seed Tree

- Thinning
- Openings Mgmt.
- Monitoring - Regeneration
- Treatments with Site Conditions
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 429 - Mixed 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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Survey Grade Corners

Culvert

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412 - Oak Types

413 - Aspen

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422 - Natural Pines

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611 - Lowland Deciduous Forest

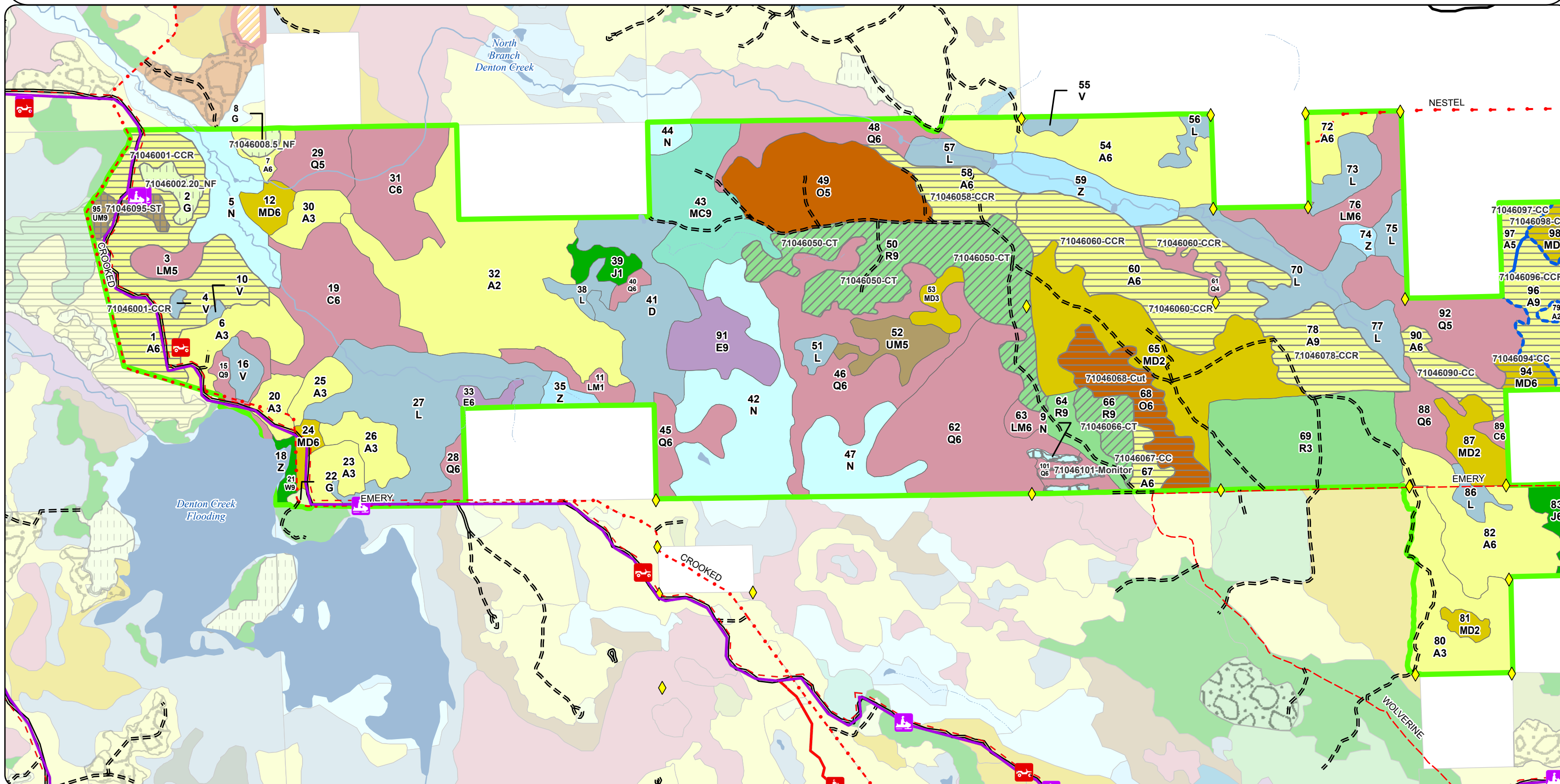
612 - Lowland Coniferous Forest

613 - Lowland Mixed Forest

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622 - Lowland Shrub

623 - Emergent Wetland



Cover Type & Treatments Map

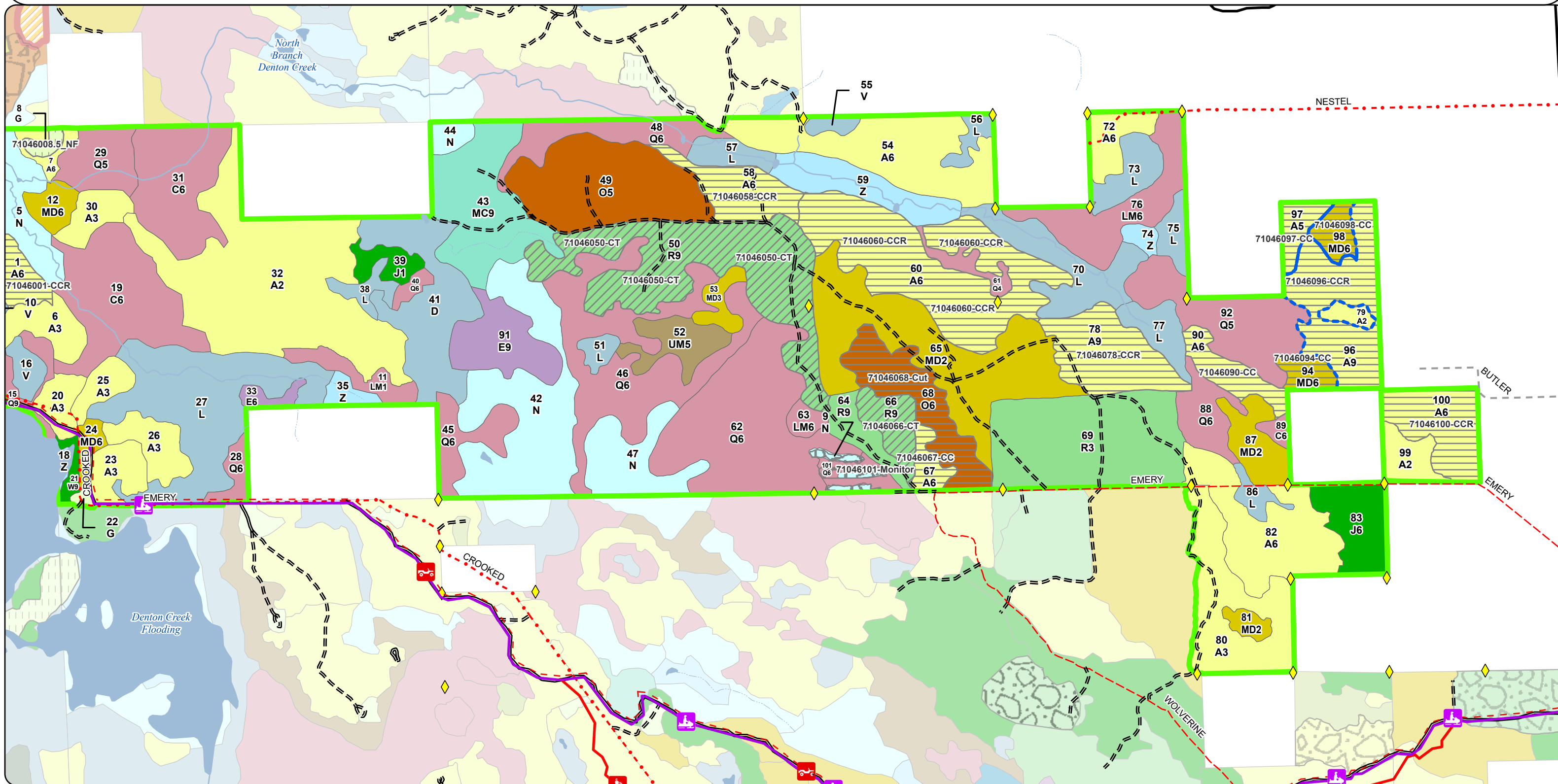
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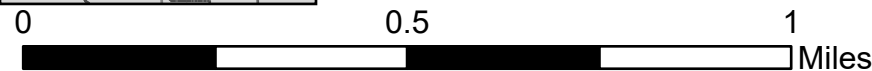
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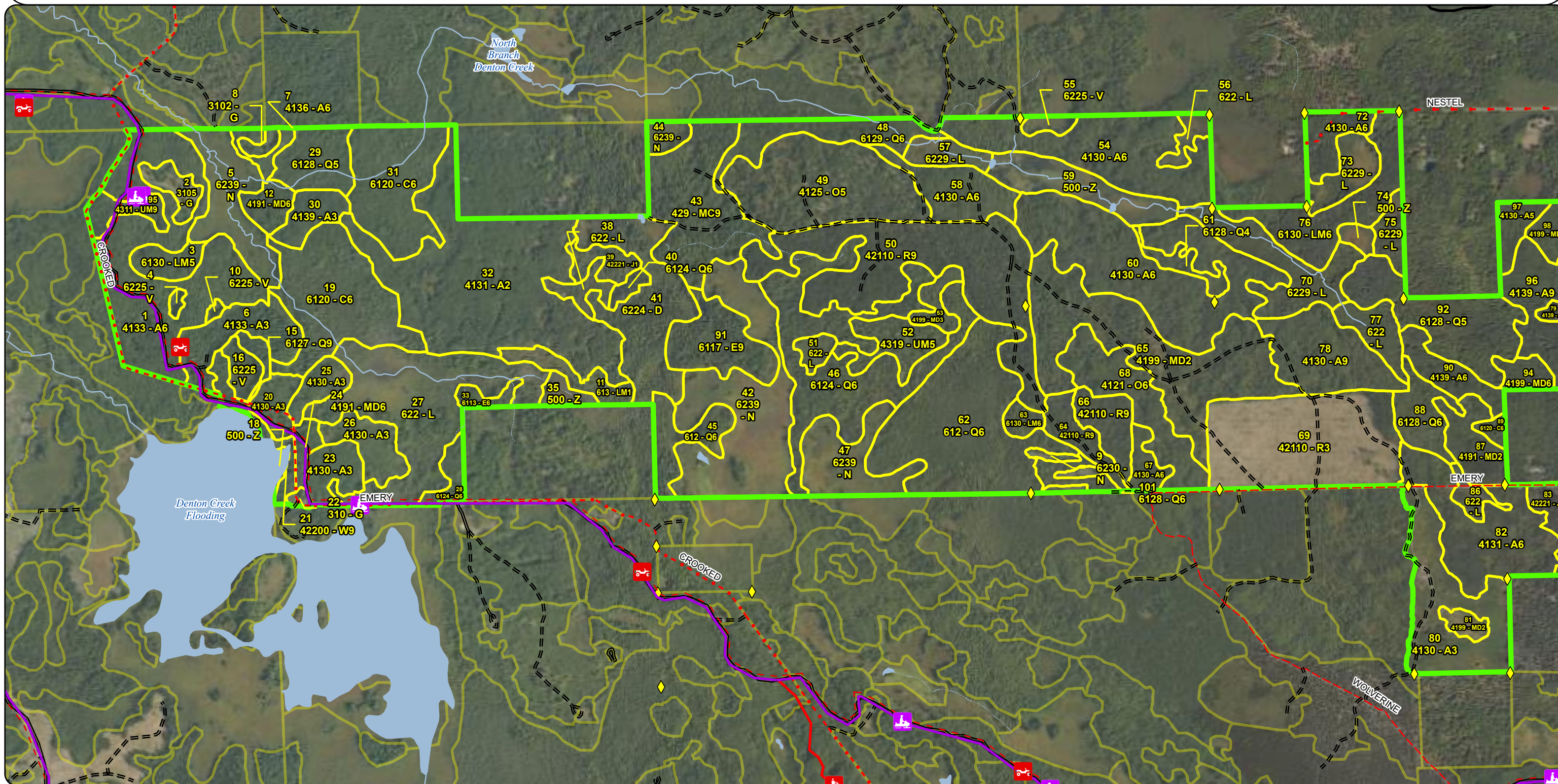
Stand Boundary Map

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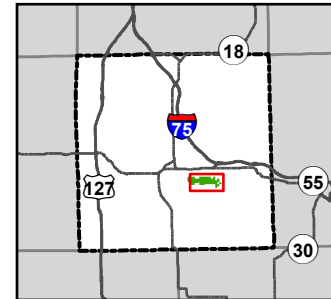


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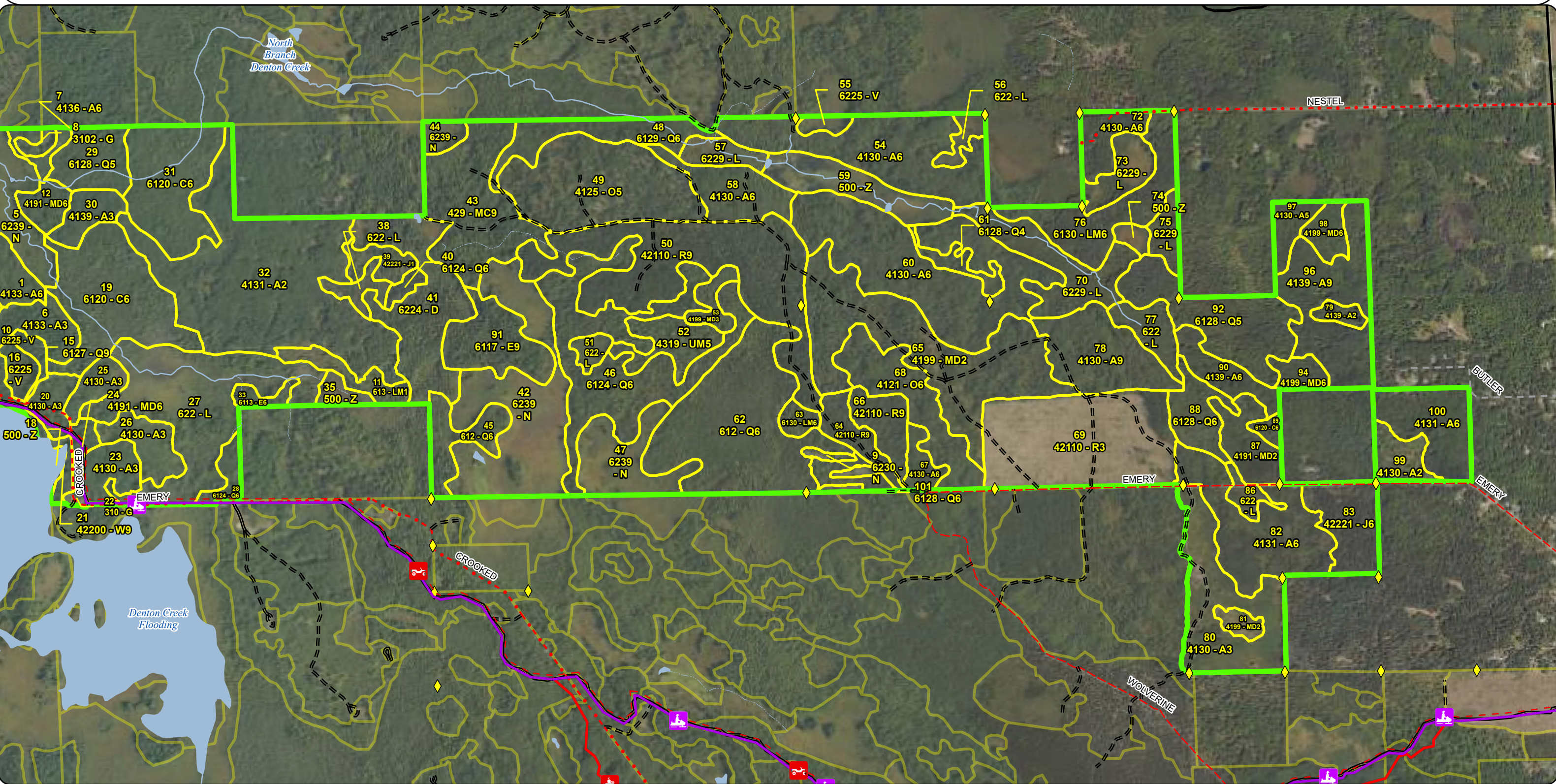
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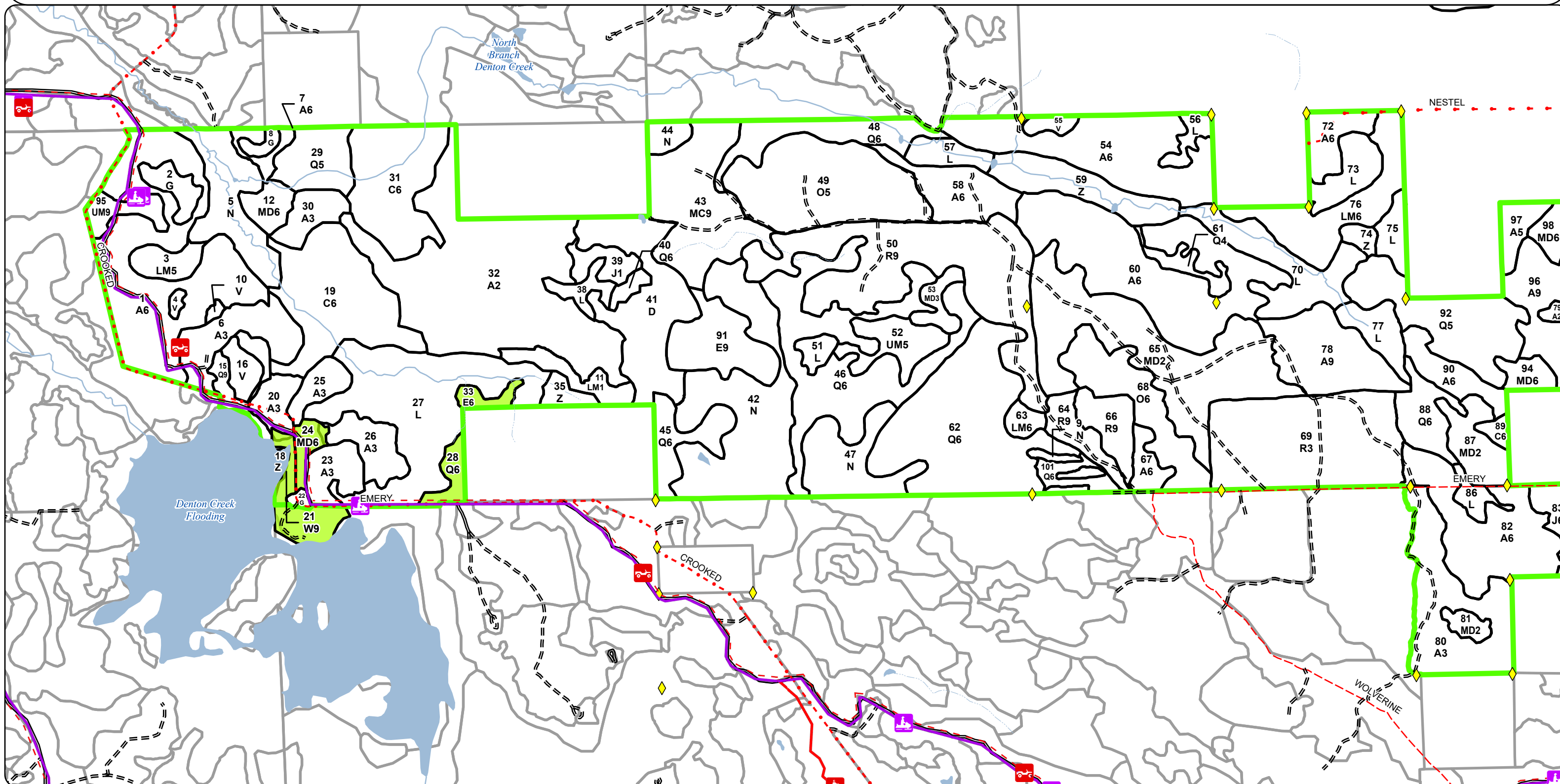


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-  Lakes and Rivers
-  Counties
-  Compartment Boundary
-  Stand Boundaries
-  SCA
-  Possible Type 2 Old Growth



Special Conservation Areas & Site Conditions Map

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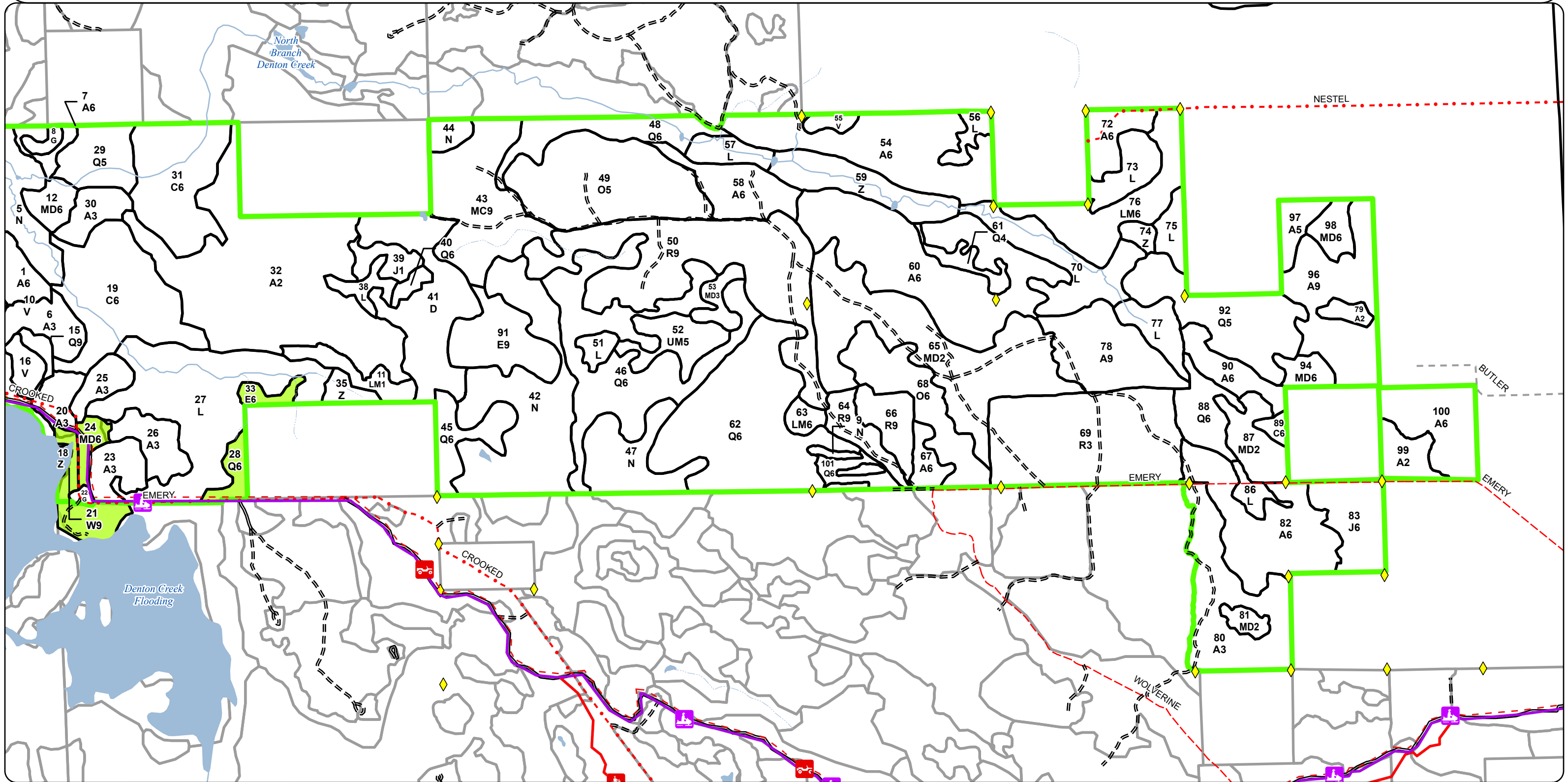


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Report 1 – Total Acres by Cover Type and Age Class

	Age Class																		Total
	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+	Unseen-Aged	
Aspen	0	88	25	159	49	72	132	211	0	0	0	0	0	0	0	0	0	0	736
Bog	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Cedar	0	0	0	0	0	0	0	0	0	3	0	100	0	0	0	0	0	0	103
Herbaceous Openland	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Jack Pine	0	0	0	9	0	0	24	0	0	0	0	0	0	0	0	0	0	0	33
Lowland Conifers	0	0	0	0	7	0	0	75	0	17	37	93	0	85	0	0	0	0	314
Lowland Deciduous	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	0	31
Lowland Mixed Forest	0	0	0	11	0	0	44	0	5	0	0	0	0	0	0	0	0	0	60
Lowland Shrub	174	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	174
Marsh	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
Mixed Upland Deciduous	0	5	0	17	8	86	7	14	0	9	0	0	0	0	0	0	0	0	145
Oak	0	0	0	0	0	97	0	0	0	0	0	0	0	0	0	0	0	0	97
Red Pine	0	78	0	0	0	0	0	14	104	0	0	0	0	0	0	0	0	0	196
Treed Bog	48	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	48
Upland Conifers	0	0	0	0	0	0	52	0	0	0	0	0	0	0	0	0	0	0	52
Upland Mixed Forest	0	0	0	0	0	17	0	0	0	0	9	0	0	0	0	0	0	0	26
Water	37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37
White Pine	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	4
Total	425	171	25	196	64	272	259	345	109	29	46	197	0	85	0	0	0	0	2221

Report 2 – Treatment Summary

Roscommon Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 46

Total Compartment Acres: 2,222

Commercial Harvest - 772

Harvests with Site Condition - 128

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Aspen	338	0	0	0	0	0	0	0	0	338
Mixed Upland Deciduous	16	0	0	0	0	0	0	0	0	16
Oak	34	0	0	0	0	0	0	0	0	34
Red Pine	0	0	0	0	0	106	0	0	0	106
Upland Mixed Forest	0	0	0	9	0	0	0	0	0	9
Total	387	0	0	9	0	106	0	0	0	502

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	502	0	0	0	0	0	6	0	11	520
Next Step	0	0	0	0	0	0	396	0	11	407
Total	502	0	0	0	0	0	402	0	22	927

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

1	71046001-CCR	85.5	4133 - Aspen, Mixed Pine	6	63	111- 140	Harvest	Clearcut	4133 - Aspen, Mixed Pine	Planting Record	No
<u>Prescription</u> Cut all trees 2" and up. Leave 3-10% area retention in multiple islands to retain some overstory red pine for vertical structure and seed <u>Specs:</u> source. Include some retention along wildlife opening/gate to prevent RDR's. Protect white pine regeneration & any l <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Fir, Maple, Cherry & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add drumming log / brush pile specAdd snowmobile spec. It is okay to extend harvest into adjacent lowland mixed stand to grab any <u>Comment:</u> merchantable aspen that is on operable ground.Buffer bogs and any lowland areas per BMP guidelines. Some in SW corner v <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
2	71046002.20_ NF	8.0	3105 - Mixed Upland Herbaceous	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Denton Creek Field 4. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											
8	71046008.5_N F	3.0	3102 - Grass	99			NonForestMgt	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
<u>Prescription</u> Mow, cultivate, fertilize, seed as required to maintain established Wildlife Opening, Denton Creek Field 3. <u>Specs:</u> <u>Next Step</u> NonForestMgt, Mowing <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> access involves crossing a narrow wet swale so maintenance work will be limited to a dry year <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
50 71046050-CT	92.1	42110 - Planted Red Pine	9	76	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Thin stand down to an average of 120 BA throughout. Remove poor formed and suppressed trees first. Focus on crown spacing to increase tree growth. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
58 71046058-CCR	22.7	4130 - Aspen	6	56	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up, leave 3-10% area retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Fir, Maple, Pine & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add drumming log and brush pile specs.Add oak wilt spec <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
60 71046060-CCR	87.7	4130 - Aspen	6	54	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 1" and up, leave 3-10% area retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Fir, Maple, Cherry & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add drumming log and brush pile specs. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
66 71046066-CT	14.3	42110 - Planted Red Pine	9	61	111-140	Harvest	Thinning	4211 - Planted Red Pine	Planting Record	No
<u>Prescription</u> Remove 1/3 of the stands volume, cut all jack pine & oak. Thin red pine to improve crown spacing and encourage growth, mark suppressed / poor formed trees first. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> <u>Regen:</u> <u>Other</u> Add oak wilt spec <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
67 71046067-CC	7.4	4130 - Aspen	6	56	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up, no retention due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Fir, & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add oak wilt specAdd drumming log & brush pile spec <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
68 71046068-Cut	33.8	4121 - Oak, Aspen	6	46	81-110	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all tree's 2" and up. Leave 3-10% area retention in islands focusing on large crowned oak for mast production and areas of white oak. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Oak, Cherry & Maple that meet minimum m stocking requirements. <u>Regen:</u> <u>Other</u> Add oak wilt specAdd drumming log spec <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
78 71046078-CCR	36.1	4130 - Aspen	9	61	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up, leave 3-10% area retention. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Fir, Oak & Maple that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add drumming log and brush pile specs. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
90 71046090-CC	14.5	4139 - Aspen, Mixed Deciduous	6	52	81-110	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up, no retention due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Fir, Maple & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> If private access is not granted, build an access road off of Emery Road, adjust sale factor to alleviate costs.Add drumming log and brush pile specs. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

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94 71046094-CC	7.0	4199 - Other Mixed Upland Deciduous	6	52	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up. No retention due to small stand size <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Cherry, Maple, Pine, & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> If private access is not granted, build an access road off of Emery Road, adjust sale factor to alleviate costs. This road will be blocked off <u>Comment:</u> from vehicle traffic upon completion of the sale. <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
95 71046095-ST	8.9	4311 - Pine, Aspen Mix	9	93	81-110	Harvest	Seed Tree	4311 - Pine, Aspen Mix	Planting Record	No
<u>Prescription</u> Cut all trees 2" and up, except mark to leave seed trees (red and white pine) to achieve 10-30 sq. ft/ac. No retention due to stand size. <u>Specs:</u> Protect current pine regeneration <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Pine & Oak that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add drumming log / brush pile specAdd snowmobile spec. Protect legacy treesMay need to delay harvest due to green up <u>Comment:</u> concerns for forest cert. from harvest directly to the west <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
96 71046096-CCR	46.6	4139 - Aspen, Mixed Deciduous	9	61	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up. Leave 3-10% area retention leaving in at least two islands. Avoid leaving retention along property <u>Specs:</u> lines and access roads <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Cherry, Oak, & Pine that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Apply drumming log and brush pile specs. If private access is not granted, build an access road off of Emery Road, adjust sale factor <u>Comment:</u> to alleviate costs. This road will be blocked off from vehicle traffic upon completion of the sale. <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
97 71046097-CC	8.7	4130 - Aspen	5	60	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up. No retention due to small stand size. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Oak, & Pine that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Add drumming log specIf private access is not granted, build an access road off of Emery Road, adjust sale factor to alleviate costs. This <u>Comment:</u> road will be blocked off from vehicle traffic upon completion of the sale <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
98 71046098-CC	8.5	4199 - Other Mixed Upland Deciduous	6	83	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up. No retention due to small stand size <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Maple, Oak, & Pine that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> If private access is not granted, build an access road off of Emery Road, adjust sale factor to alleviate costs. This road will be blocked off <u>Comment:</u> from vehicle traffic upon completion of the sale. <u>Site Condition:</u> Survey Needed <u>Proposed Start Date:</u> 10/01/2026										
100 71046100-CCR	28.6	4131 - Aspen, Oak	6	61	111-140	Harvest	Clearcut	413 - Aspen	Planting Record	No
<u>Prescription</u> Final harvest stand, cut all trees 2" and up. leave 3-10% area retention. Avoid leaving retention along private property line to avoid trespass <u>Specs:</u> issues. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Aspen, Oak, Pine, & Cherry that meet minimum stocking requirements. <u>Regen:</u> <u>Other</u> Apply drumming log spec. Request producer block off management access trail following harvest. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										
101 71046101-Monitor	6.1	6128 - Lowland Coniferous, Mixed Deciduous	6	101		Monitoring	Monitoring - Regeneration	6120 - Lowland Cedar	Planting Record	No
<u>Prescription</u> Needs more time for regeneration due to low ground and species. <u>Specs:</u> <u>Next Step</u> <u>Treatments:</u> <u>Acceptable</u> Acceptable regeneration will be a mix of cedar and lowland conifer species to a fully stocked stand. <u>Regen:</u> <u>Other</u> Percent to Treat = 100% <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2026										

Total Treatment 519.5
Acreage Proposed:

Report 4 – Site Conditions



Availability for Management

Total Acres	Acres Available	Acres With Condition	Acres Not Available
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Dominant Site Conditions

					2B	2I	5C	2A	2G	2H	3G
735	467	269	0	Aspen	141	55	72				
13	13	0	0	Bog							
103	0	0	103	Cedar					103		
12	13	0	0	Herbaceous Openland							
32	24	0	8	Jack Pine						8	
310	10	0	300	Lowland Conifers					300		
31	27	0	4	Lowland Deciduous				4			
60	40	11	9	Lowland Mixed Forest	11				9		
174	174	0	0	Lowland Shrub							
136	136	0	1	Marsh					1		
144	122	9	14	Mixed Upland Deciduous		9				9	5
97	97	0	0	Oak							
196	196	0	0	Red Pine							
10	0	0	10	Treed Bog						10	
52	52	0	0	Upland Conifers							
26	26	0	0	Upland Mixed Forest							
37	37	0	0	Water							
4	0	0	4	White Pine							4
2,174	1,433	288	453	Total Forested Acres	152	64	72	4	413	27	9
	66%	13%	21%	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	2G: Too wet (sensitive soils, does not include access issues)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	59	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



8	Available	2B: Unknown if access through adjacent landowner(s) is possible	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	2I: Survey needed	64	2E: Road needed	Unspecified	Unspecified	Unspecified
Comments: A survey will be needed for the north / north west corners in able to run the private boundary lines. If access is not granted from private property a road will need to be built to access this timber.							
10	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	56	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	165	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



17	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2B: Unknown if access through adjacent landowner(s) is possible	147	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	63	2B: Unknown if access through adjacent landowner(s) is possible	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions



24	Unavailable	2A: Adjacent landowner denied access	4	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Type 2 Old Growth							
25	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
28	Unavailable	5E: Long-Term Retention	3	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments: Buffer on "L" Type from cut to the west							
29	Unavailable	5E: Long-Term Retention	1	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
30	Unavailable	3G: Other influence zones - See comments	5	3D: Recreational/scenic values	3J: Water quality/BMPs (stream, river, or lake)	Unspecified	Unspecified
Comments: Maintain as visual and BMP buffer for now - see stand comments							

Report 4 – Site Conditions



32	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	10	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
36	Unavailable	3G: Other influence zones - See comments	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Potential for Type 2 Old Growth if left alone							

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
71119017 Comments Type 2 Old Growth	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth	SCA	4
71119024 Comments Type 2 Old Growth	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth	SCA	7
71119023 Comments Type 2 Old Growth	Type 1 or Type 2 Old Growth	Possible Type 2 Old Growth	SCA	16

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
1	4133 - Aspen, Mixed Pine	Poletimber Well	85.5	63	111-140	N/A	Bigtooth aspen with some scattered red pine and oak supercanopy. Some pockets of quaking aspen. Some lowland areas			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black/Red (Hybrid) Oak		8		12		White Pine		Medium	Variable	Variable
Quaking Aspen		5	Seedling	6		Red Maple		Low	10 - 20 feet	10 - 20 feet
Red Pine		20		12						
Red Maple		5	Seedling	6						
White Pine		5		7						
White Oak		2		12						
Bigtooth Aspen		55	Seedling	9	63					
2	3105 - Mixed Upland Herbaceous	None	8.0			Yes	P I anted wildlife opening scattered I slands of Aspen, pine & oak			
3	6130 - Fir, Aspen, Maple	Poletimber Medium	9.3	58	1-50	N/A				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Balsam Fir		26	Seedling	5		Balsam Fir	Medium	Variable	Variable	
White Pine		23		10		Tag Alder	High	5 - 10 feet	5 - 10 feet	
Northern White Cedar		5	Seedling	6						
Red Maple		35		7	58					
Quaking Aspen		8	Sapling	5						
Paper Birch		2	Pole	4						
Slippery Elm		1	Seedling	9						
4	6225 - Bog	None	1.5			No				
						Sub-Canopy Species	Density	Avg. Height	Size	
						Leatherleaf	Medium	5 - 10 feet	5 - 10 feet	
5	6239 - Mixed Emergent Wetland	None	31.1			No				
6	4133 - Aspen, Mixed Pine	Sapling Well	24.6	15	Immature	N/A	Cut fall of 2010. Oak and pine in sw corner, possibly left uncut			
Canopy Species		% Cover	Size Class	DBH	Age					
Black/Red (Hybrid) Oak		5		12						
Red Maple		5	Log	1						
White Pine		20	Seedling	6						
Bigtooth Aspen		70	Log	1	15					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
7	4136 - Aspen, Mixed Conifer	Poletimber Well	5.6	63	51-80	N/A				
<div>Canopy Species</div> <div>White Pine</div> <div>Red Pine</div> <div>Black/Red (Hybrid) Oak</div> <div>Quaking Aspen</div> <div>Balsam Fir</div> <div>Bigtooth Aspen</div> <div>Red Maple</div>		<div>% Cover</div> <div>7</div> <div>5</div> <div>8</div> <div>25</div> <div>10</div> <div>35</div> <div>10</div>	<div>Size Class</div> <div>Seedling</div> <div></div> <div></div> <div>Seedling</div> <div>Seedling</div> <div>Seedling</div> <div>Seedling</div>	<div>DBH</div> <div>6</div> <div>12</div> <div>12</div> <div>6</div> <div>6</div> <div>6</div> <div>7</div>	<div>Age</div> <div></div> <div></div> <div></div> <div></div> <div>63</div> <div></div> <div></div>	<div>Sub-Canopy Species</div> <div>Red Maple</div> <div>Pin Cherry</div> <div>Balsam Fir</div> <div>White Pine</div>	<div>Density</div> <div>Medium</div> <div>Low</div> <div>Medium</div> <div>Low</div>	<div>Avg. Height</div> <div>10 - 20 feet</div> <div>5 - 10 feet</div> <div>Variable</div> <div>Variable</div>	<div>Size</div> <div>10 - 20 feet</div> <div>5 - 10 feet</div> <div>Variable</div> <div>Variable</div>	
8	3102 - Grass	None	3.0			Yes				
9	6230 - Cattail	None	4.7			No	3 Strips of cedar cut in Winter of 2020. Regeneration was very disappointing. Dominated by mostly herbaceous plants Cattail, Grass, Thistle, Phragmites. There were only a few scattered balsam fir, black spruce and white pine seedlings scattered throughout.			
<div>Sub-Canopy Species</div> <div>Cattail spp.</div> <div>Blackberry/Raspberry</div> <div>Phragmites (native)</div> <div>Mixed Sedges/Grasses</div> <div>Marsh Thistle</div> <div>Balsam Fir</div> <div>White Pine</div> <div>Black Spruce</div>		<div>Density</div> <div>Medium</div> <div>Low</div> <div>Low</div> <div>Medium</div> <div>Low</div> <div>Trace</div> <div>Trace</div> <div>Trace</div>	<div>Avg. Height</div> <div>Not Applicable</div> <div>5 - 10 feet</div> <div>Not Applicable</div> <div>Not Applicable</div> <div>Not Applicable</div> <div>< 5 feet</div> <div>< 5 feet</div> <div>< 5 feet</div>	<div>Size</div> <div>Not Applicable</div> <div>5 - 10 feet</div> <div>Not Applicable</div> <div>Not Applicable</div> <div>Not Applicable</div> <div>< 5 feet</div> <div>< 5 feet</div> <div>< 5 feet</div>						
10	6225 - Bog	None	1.1			No				
<div>Sub-Canopy Species</div> <div>Leatherleaf</div>		<div>Density</div> <div>Medium</div>	<div>Avg. Height</div> <div>5 - 10 feet</div>	<div>Size</div> <div>5 - 10 feet</div>						
11	613 - Lowland Mixed Forest	Sapling Poor	11.2	27		N/A				
12	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	8.6	63	51-80	N/A				
15	6127 - Lowland Pine	Sawtimber Well	10.1	93	81-110	N/A	Mixed pine stand with some oak and aspen surrounding a bog. Most of the oak is on the sw side			
<div>Canopy Species</div> <div>Red Pine</div> <div>Quaking Aspen</div> <div>Tamarack</div> <div>Black Spruce</div> <div>Black/Red (Hybrid) Oak</div> <div>Bigtooth Aspen</div> <div>White Pine</div>		<div>% Cover</div> <div>25</div> <div>1</div> <div>5</div> <div>20</div> <div>12</div> <div>5</div> <div>32</div>	<div>Size Class</div> <div></div> <div>Seedling</div> <div>Seedling</div> <div>Seedling</div> <div></div> <div></div> <div></div>	<div>DBH</div> <div>12</div> <div>6</div> <div>5</div> <div>6</div> <div>12</div> <div>10</div> <div>10</div>	<div>Age</div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>93</div>	<div>Sub-Canopy Species</div> <div>Sphagnum Moss</div> <div>Black Spruce</div> <div>White Pine</div> <div>Labrador Tea</div>	<div>Density</div> <div>High</div> <div>Low</div> <div>Medium</div> <div>Medium</div>	<div>Avg. Height</div> <div>Not Applicable</div> <div>Variable</div> <div>Variable</div> <div>5 - 10 feet</div>	<div>Size</div> <div>Not Applicable</div> <div>Variable</div> <div>Variable</div> <div>5 - 10 feet</div>	

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
16	6225 - Bog		None	6.8			No	LEATHER LEAF BOG. Sapling size white pine and Tamarack scattered throughout		
18	500 - Water		None	2.2			No			
19	6120 - Lowland Cedar		Poletimber Well	56.2	104		N/A	wet and swampy cedar stand, some BF saps in the understory openings		
Canopy Species			% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar			50	Seedling	6	104	Balsam Fir	Medium	Variable	Variable
Red Maple			10	Seedling	9					
Black Spruce			10	Seedling	7					
Balsam Fir			20	Seedling	7					
Paper Birch			10	Seedling	8					
20	4130 - Aspen		Sapling Well	9.7	9	Immature	N/A	Nicely well stocked aspen stand. Aspen overt topping all other species. Cut in 2017		
Canopy Species			% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple			1	Log	1		Sweet Fern	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak			5	Log	1		Blackberry/Raspberry	Low	5 - 10 feet	5 - 10 feet
White Oak			5	Log	1		Bracken Fern	Medium	Not Applicable	Not Applicable
Balsam Fir			5	Log	1		Mixed Sedges/Grasses	High	Not Applicable	Not Applicable
White Pine			5	Log	1					
Red Pine			1	Log	1					
Black/Red (Hybrid) Oak			1	Seedling	5					
Quaking Aspen			36	Log	1	9				
White Pine			1	Seedling	6					
Bigtooth Aspen			40	Log	1	9				
21	42200 - Natural White Pine		Sawtimber Well	4.0	101	111-140	N/A	previous stand data seems to have been inaccurate. Nw corner has some blowdown		
Canopy Species			% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
White Pine			35	Seedling	8		White Pine	Medium	Variable	Variable
Red Maple			5	Seedling	8					
White Pine			40		18	101				
Red Oak			10		16					
Red Pine			10		18					
22	310 - Herbaceous Openland		None	1.5			No	Appears to be a small camping site near the water		
23	4130 - Aspen		Sapling Well	13.2	27		N/A	cut 1997 and now nice A3, mix of BTA/QA with most BTA on the west side and the QA on the east side where the terrain is lower		
Canopy Species			% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen			35	Log	3	27	White Pine	High	Variable	Variable
Bigtooth Aspen			60	Log	3	27				
White Pine			5	Log	2					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
24	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	5.3	61	111-140	N/A	over nature mixed stand. Some legacy oak in high decline																																																													
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>10</td><td>Seedling</td><td>9</td><td></td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td>Seedling</td><td>9</td><td>76</td></tr><tr><td>Red Maple</td><td>10</td><td></td><td>15</td><td></td></tr><tr><td>Red Oak</td><td>15</td><td></td><td>19</td><td></td></tr><tr><td>White Pine</td><td>35</td><td></td><td>9</td><td>61</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	10	Seedling	9		Bigtooth Aspen	30	Seedling	9	76	Red Maple	10		15		Red Oak	15		19		White Pine	35		9	61			<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Red Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	High	Variable	Variable	Red Pine	Low	Variable	Variable																					
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25	4130 - Aspen	Sapling Well	9.1	27		N/A	cut 1997. Nice sapling stans almost a pole stand will be next entry																																																													
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26	4130 - Aspen	Sapling Well	15.1	9	Immature	N/A	Nicely stocked a3 stand some scattered and oak spread throughout. Cut in 2017																																																													
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27	622 - Lowland Shrub	None	77.1			No																																																														
28	6124 - Lowland Spruce-Fir	Poletimber Well	6.8	38		N/A	Lowland spruce fir with red maple																																																													
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
29	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	19.6	104		N/A	lowland swamp conifers with some lowland HW's still hanging on, no access due to wet terrain/private property and too wet to treat and have it regenerate, lots of dead/down																																											
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30	4139 - Aspen, Mixed Deciduous	Sapling Well	11.4	27		N/A																																												
31	6120 - Lowland Cedar	Poletimber Well	44.2	104		N/A	wet and swampy cedar stand, some BF saps un u.s. openings																																											
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32	4131 - Aspen, Oak	Sapling Medium	124.6	27		N/A	cut 1997 and regenerated OK to aspen																																											
33	6113 - Lowland Maple	Poletimber Well	4.5	61		N/A	stand is low and wet, aspen declining but RM/WB doing well, heavy BF u.s. is almost pole size, ground is hummucky but has stand ing water is spots, wetter as you go north																																											
		<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>White Pine</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Red Maple</td><td>65</td><td>Seedling</td><td>8</td><td>61</td></tr><tr><td>Balsam Fir</td><td>10</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Paper Birch</td><td>10</td><td>Seedling</td><td>7</td><td></td></tr><tr><td>Quaking Aspen</td><td>5</td><td>Seedling</td><td>8</td><td></td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	White Pine	10	Seedling	6		Red Maple	65	Seedling	8	61	Balsam Fir	10	Seedling	6		Paper Birch	10	Seedling	7		Quaking Aspen	5	Seedling	8				<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>White Pine</td><td>Low</td><td>Variable</td><td>Variable</td></tr><tr><td>Balsam Fir</td><td>High</td><td>Variable</td><td>Variable</td></tr></table>	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Variable	Balsam Fir	High	Variable	Variable			
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White Pine	Low	Variable	Variable																																															
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35	500 - Water	None	5.3			No																																												
38	622 - Lowland Shrub	None	6.8			No																																												
39	42221 - Natural Jack Pine, Mixed Deciduuous	Sapling Poor	8.6	27		N/A	part of large cut to the west, natural JP regeneration																																											
40	6124 - Lowland Spruce-Fir	Poletimber Well	3.4	96		N/A	lowland spruce/fir stand																																											

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
41	6224 - Treed Bog	None	48.2			No			
42	6239 - Mixed Emergent Wetland	None	71.7			No			
43	429 - Mixed Upland Conifers	Sawtimber Well	52.4	53	81-110	N/A	Previously coded as lowland red maple. Dominated by white pine and minor components of other species		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		10		10		Balsam Fir	High	Variable	Variable
White Pine		37		12	53	Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak		8	Seedling	8					
Black Cherry		10	Seedling	6					
Bigtooth Aspen		20		9					
Paper Birch		1	Seedling	6					
Balsam Fir		14	Seedling	6					
44	6239 - Mixed Emergent Wetland	None	5.5			No			
45	612 - Lowland Coniferous Forest	Poletimber Well	16.7	89	111-140	N/A			
46	6124 - Lowland Spruce-Fir	Poletimber Well	75.1	65	81-110	N/A	Variable stand of balsam fir and maple. Different areas of high and low ground.		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar		10	Seedling	7		Balsam Fir	Medium	Variable	Variable
Red Maple		36		8		Red Maple	High	10 - 20 feet	10 - 20 feet
Black/Red (Hybrid) Oak		2		8		Tag Alder	Low	5 - 10 feet	5 - 10 feet
Black Spruce		5	Seedling	6					
Quaking Aspen		2	Seedling	6					
Balsam Fir		45	Seedling	6	65				
47	6239 - Mixed Emergent Wetland	None	27.4			No			
48	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	23.3	94	111-140	N/A	Lowland spruce/cedar stand		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Spruce		40	Seedling	6		Balsam Fir	High	Variable	Variable
Northern White Cedar		43		9	94				
Paper Birch		10	Seedling	8					
Tamarack		2	Seedling	7					
Red Maple		5	Seedling	8					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
49	4125 - Black, N. Pin Oak	Poletimber Medium	63.4	46	1-50	N/A	Low density oak stand with scattered pine, and some aspen clones. Certainly lower site index. High deer activity. Pine coming in fairly heavy in some areas in understory		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	5		11		White Pine	Low		< 5 feet	< 5 feet
Jack Pine	7	Seedling	9		Red Pine	Medium		Variable	Variable
White Pine	5		10		Pin Cherry	Medium		5 - 10 feet	5 - 10 feet
Quaking Aspen	15		6		Jack Pine	Low		Variable	Variable
Red Pine	3		11		Cladonia (Reindeer moss)	Medium		Not Applicable	Not Applicable
Black/Red (Hybrid) Oak	65	Seedling	8	46					
50	42110 - Planted Red Pine	Sawtimber Well	92.1	76	111-140	N/A			
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Pine	90		12	76	Black/Red (Hybrid) Oak	Low	5 - 10 feet	5 - 10 feet	
Black/Red (Hybrid) Oak	6		12		White Oak	Medium	5 - 10 feet	5 - 10 feet	
White Oak	3		12		Red Maple	Medium	5 - 10 feet	5 - 10 feet	
White Pine	1		12		Pin Cherry	Medium	5 - 10 feet	5 - 10 feet	
					Bigtooth Aspen	Low	5 - 10 feet	5 - 10 feet	
51	622 - Lowland Shrub	None	4.6			No			
52	4319 - Mixed Upland Forest	Poletimber Medium	16.7	49	51-80	N/A	Mixed stand		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Red Maple	40		8	49	Balsam Fir	Low	Variable	Variable	
Quaking Aspen	12	Seedling	5						
White Pine	20		9						
Balsam Fir	23	Seedling	5						
Black/Red (Hybrid) Oak	5	Seedling	5						
53	4199 - Other Mixed Upland Deciduous	Sapling Well	7.5	33	1-50	N/A	Appears to be seasonally flooded		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Black/Red (Hybrid) Oak	15	Pole	3		Red Maple	Low	5 - 10 feet	5 - 10 feet	
Red Maple	35	Pole	4						
Jack Pine	5	Pole	3						
Paper Birch	5		5						
Quaking Aspen	35		6	33					
White Pine	5	Pole	3						
54	4130 - Aspen	Poletimber Well	58.8	49		N/A	Harvest with compartment to the north due to access issues.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	
Quaking Aspen	95	Seedling	8	49	Balsam Fir	Low	Variable	Variable	
Balsam Fir	5	Seedling	5		Pin Cherry	Low	Variable	Variable	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments						
55	6225 - Bog	None	3.8			No							
56	622 - Lowland Shrub	None	5.8			No							
57	6229 - Mixed Lowland Shrub	None	9.2			No							
58	4130 - Aspen	Poletimber Well	22.7	56	81-110	N/A	Took a few cores most had heart rot. Wp mostly along north edge						
Canopy Species					% Cover	Size Class		DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black/Red (Hybrid) Oak					5			8		Red Maple	Low	5 - 10 feet	5 - 10 feet
White Pine					5			8		Red Pine	Low	5 - 10 feet	5 - 10 feet
Bigtooth Aspen					90			9	56	White Oak	Low	Variable	Variable
										White Pine	Low	Variable	Variable
59	500 - Water	None	25.8			No							
60	4130 - Aspen	Poletimber Well	87.7	54	51-80	N/A	Lower quality aspen than surrounding stands, must be lower SI. Heavy oak/cherry understory. Would benefit from a restart.						
Canopy Species					% Cover	Size Class		DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Quaking Aspen					50	Seedling		8	54	Pin Cherry	Medium	5 - 10 feet	5 - 10 feet
Black/Red (Hybrid) Oak					15	Sapling		6		Red Maple	High	5 - 10 feet	5 - 10 feet
Bigtooth Aspen					33	Seedling		9		Balsam Fir	Medium	Variable	Variable
Balsam Fir					2	Seedling		6		Black/Red (Hybrid) Oak	Medium	Variable	Variable
61	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	6.9	101	1-50	N/A	This is a drainage coming from the NW.						
Canopy Species					% Cover	Size Class		DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir					30	Seedling		7		Tag Alder	Medium	5 - 10 feet	5 - 10 feet
Northern White Cedar					40	Seedling		7	101				
Red Maple					30	Seedling		8					
62	612 - Lowland Coniferous Forest	Poletimber Well	84.6	121		N/A	Areas of nice quality cedar.						
63	6130 - Fir, Aspen, Maple	Poletimber Well	4.8	75	51-80	N/A	Small stand of red maple and balsam fir.						
Canopy Species					% Cover	Size Class		DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Red Maple					50	Seedling		6	75	Balsam Fir	High	Variable	Variable
Balsam Fir					45	Seedling		6					
Black/Red (Hybrid) Oak					5			12					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
64	42110 - Planted Red Pine	Sawtimber Well	11.8	75	81-110	N/A	Red pine plantation along swamp edge. Appears to have aspen and maple removed 20+ Thinned in 2020				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		10		12		Balsam Fir		Medium	Variable	Variable	
Red Pine		90		12	75	Red Maple		Medium	10 - 20 feet	10 - 20 feet	
65	4199 - Other Mixed Upland Deciduous	Sapling Medium	85.6	49	1-50	N/A	Low density cherry brush stand with scattered oak stump sprouts and scattered aspen clones.Previous Survey Date06/04/2015				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Black/Red (Hybrid) Oak		30	Pole	4		Pin Cherry		Medium	5 - 10 feet	5 - 10 feet	
Bigtooth Aspen		5	Pole	4		Black/Red (Hybrid) Oak		Low	5 - 10 feet	5 - 10 feet	
Quaking Aspen		5	Pole	4							
Pin Cherry		60	Pole	3	49						
66	42110 - Planted Red Pine	Sawtimber Well	14.3	61	111-140	N/A	A majority of the oak has died out of this stand, the rest is in poor health. Pole/log sized red pine and jack pine. Rows not consistent. Minimal crown spacing.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Pine		85		8	61	Balsam Fir		Low	Variable	Variable	
Jack Pine		7	Seedling	6		Witch Hazel		Low	5 - 10 feet	5 - 10 feet	
Black/Red (Hybrid) Oak		8		12	115	White Pine		Low	Variable	Variable	
67	4130 - Aspen	Poletimber Well	7.4	56	81-110	N/A	Nice looking aspen stand				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		100		9	56	Red Maple		Medium	10 - 20 feet	10 - 20 feet	
68	4121 - Oak, Aspen	Poletimber Well	33.8	46	81-110	N/A	Lower quality oak stand with many aspen clones scattered throughout.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Bigtooth Aspen		30		9		Pin Cherry		Medium	5 - 10 feet	5 - 10 feet	
White Oak		5	Seedling	6							
Pin Cherry		5	Log	2							
Black/Red (Hybrid) Oak		60		9	46						
69	42110 - Planted Red Pine	Sapling Well	78.2	3	Immature	N/A	Trenched fall 2020, site prep sprayed summer 2021. Planted 894 TPA spring 2022. Release sprayed fall 2023. Year 3 regen check shows 794 TPA at 94% FTG.nice immature fully stocked red pine plantation				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern Pin Oak		5	Log	1		Sweet Fern		Low	5 - 10 feet	5 - 10 feet	
Red Pine		95	Log	1	3	Mixed Sedges/Grasses		Medium	Not Applicable	Not Applicable	
						Bracken Fern		Low	Not Applicable	Not Applicable	
70	6229 - Mixed Lowland Shrub	None	31.3			No					

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Stand	Level 4 Cover Type	Size Density			Acres	Stand Age	BA Range	Managed Site	General Comments	
80	4130 - Aspen	Sapling Well			48.0	6	Immature	N/A	Cut spring 2019. Previously a low quality pole aspen stans5	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Jack Pine		5	Log	1		Mixed Sedges/Grasses		High	Not Applicable	Not Applicable
Quaking Aspen		70	Log	1	6	Bracken Fern		Medium	Not Applicable	Not Applicable
Black/Red (Hybrid) Oak		7	Log	1						
Black Cherry		18	Log	1						
81	4199 - Other Mixed Upland Deciduous	Sapling Medium			4.7	6	Immature	N/A		
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Cherry		40	Log	1	6	Mixed Sedges/Grasses		Full	Not Applicable	Not Applicable
Black/Red (Hybrid) Oak		15	Log	1						
Jack Pine		15	Log	1						
Quaking Aspen		30	Log	1						
82	4131 - Aspen, Oak	Poletimber Well			49.3	36	51-80	N/A	Cut in 1990. Nice aspen stand mixed with oak saplings	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Oak		2	Log	2		Pin Cherry		Low	Variable	Variable
Pin Cherry		10	Log	2		Mixed Sedges/Grasses		High	Not Applicable	Not Applicable
Red Pine		2	Seedling	9		Balsam Fir		Trace	10 - 20 feet	10 - 20 feet
Quaking Aspen		51	Sapling	7	36					
Black/Red (Hybrid) Oak		20	Log	3						
Jack Pine		15	Sapling	5						
83	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well			23.7	52	51-80	N/A	D.R.I.P. cut origin jack pine, just reaching pole size and growing well, hold 10 years	
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple		5	Sapling	5		Pin Cherry		Low	Variable	Variable
Jack Pine		70	Seedling	8	52	Black/Red (Hybrid) Oak		Low	Variable	Variable
Black/Red (Hybrid) Oak		15		9		Bracken Fern		Medium	Not Applicable	Not Applicable
Quaking Aspen		10	Sapling	5		Mixed Sedges/Grasses		Medium	Not Applicable	Not Applicable
86	622 - Lowland Shrub	None			5.5			No	Tag alder and some willow brush, parts flooded	
87	4191 - Mixed Upland Deciduous with Conifer	Sapling Medium			17.0	22	Immature	N/A	Stand has some good jack pine regeneration on south end of stand along the road(planted?). Stand fades to aspen/red maple stand with jack pine mixed in to the north.	
Canopy Species		% Cover	Size Class	DBH	Age					
Jack Pine		40	Log	1	22					
Quaking Aspen		30	Log	2	24					
Red Maple		10	Log	2	24					
Black/Red (Hybrid) Oak		20	Log	1	24					

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																									
88	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.2	106	141-170	N/A	cedar stand with some red maple and a few balsam fir. Black ash pretty well gone. Balsam fir in understory. Too wet to operate in with equipment.																																																									
<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Maple</td><td>30</td><td>Seedling</td><td>6</td><td></td></tr><tr><td>Northern White Cedar</td><td>45</td><td>Seedling</td><td>6</td><td>106</td></tr><tr><td>Balsam Fir</td><td>25</td><td>Seedling</td><td>5</td><td></td></tr></table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	30	Seedling	6		Northern White Cedar	45	Seedling	6	106	Balsam Fir	25	Seedling	5		<table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Balsam Fir</td><td>Medium</td><td>Variable</td><td>Variable</td></tr></table>				Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Variable																															
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89	6120 - Lowland Cedar	Poletimber Well	3.0	82	111-140	N/A	Small cedar stand with some old rotten quaking aspen mixed in. Too wet to operate in.																																																									
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90	4139 - Aspen, Mixed Deciduous	Poletimber Well	14.5	52	81-110	N/A	Difficult access harvest with aspen to NE																																																									
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91	6117 - Lowland Deciduous, Mixed Coniferous	Sawtimber Well	26.9	66	81-110	N/A																																																										
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92	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	43.8	108	51-80	N/A	wet and hummucky terrain																																																									
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94	4199 - Other Mixed Upland Deciduous	Poletimber Well	7.0	52	51-80	N/A	Similar cover type as the private property to the south. Nice mixed stand.																																																												
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95	4311 - Pine, Aspen Mix	Sawtimber Well	8.9	93	81-110	N/A	Previously a red pine stand. Understory has now grown into the overstory. White pine legacy trees scattered throughout																																																												
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96	4139 - Aspen, Mixed Deciduous	Sawtimber Well	46.6	61	111-140	N/A	Part of historic Deer Range Improvement Program cuts. This stand appears older than other cuts in the area.																																																												
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97	4130 - Aspen	Poletimber Medium	8.7	60	111-140	N/A	A little smaller than the aspen to the SE, little more of a white pine component as well.																																																												
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98	4199 - Other Mixed Upland Deciduous	Poletimber Well	8.5	83	111-140	N/A	<table><tr><th>Canopy Species</th><th>% Cover</th><th>Size Class</th><th>DBH</th><th>Age</th></tr><tr><td>Red Oak</td><td>25</td><td></td><td>10</td><td></td></tr><tr><td>Red Maple</td><td>45</td><td></td><td>8</td><td>83</td></tr><tr><td>Bigtooth Aspen</td><td>30</td><td></td><td>8</td><td></td></tr></table> <table><tr><th>Sub-Canopy Species</th><th>Density</th><th>Avg. Height</th><th>Size</th></tr><tr><td>Red Maple</td><td>High</td><td>Variable</td><td>Variable</td></tr><tr><td>Witch Hazel</td><td>Low</td><td>5 - 10 feet</td><td>5 - 10 feet</td></tr></table>	Canopy Species	% Cover	Size Class	DBH	Age	Red Oak	25		10		Red Maple	45		8	83	Bigtooth Aspen	30		8		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	High	Variable	Variable	Witch Hazel	Low	5 - 10 feet	5 - 10 feet																												
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Red Maple	High	Variable	Variable																																																																
Witch Hazel	Low	5 - 10 feet	5 - 10 feet																																																																

Stand	Level 4 Cover Type	Size Density		Acres	Stand Age	BA Range	Managed Site	General Comments			
99	4130 - Aspen	Sapling Medium		11.2	8	Immature	N/A	Regeneration patchy in some areas, will grow into an well stocked aspen stand old: mix of jack pine, TA, red maple, crappy oak, and pin cherry, DEE = cut Summer 202, left R/W pine and advanced regeneration of oak 4"			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
White Pine		2	Log	1		Bracken Fern			Medium	Not Applicable	Not Applicable
Jack Pine		2	Log	1		Mixed Sedges/Grasses			Medium	Not Applicable	Not Applicable
White Spruce		2	Log	1							
White Pine		1		9							
Red Pine		1		12							
Pin Cherry		25	Log	1							
Black/Red (Hybrid) Oak		2	Pole	4							
Quaking Aspen		60	Log	1	8						
Black/Red (Hybrid) Oak		4	Log	1							
White Oak		1	Seedling	5							
100	4131 - Aspen, Oak	Poletimber Well		28.6	61	111-140	N/A	Fairly diverse stand, dominated by pole/log sized aspen to the south, then more dominated by oak and pine in the north with aspen mixed in. Given it's age and the site I would think the aspen overall would be a little larger. AVG BA 110			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species			Density	Avg. Height	Size
Red Pine		9		11		Witch Hazel			Medium	5 - 10 feet	5 - 10 feet
White Oak		5		10		Wintergreen			Medium	< 5 feet	< 5 feet
Red Maple		8	Sapling	5		Balsam Fir			Trace	< 5 feet	< 5 feet
White Pine		5	Seedling	6		Serviceberry (Juneberry)			Low	Variable	Variable
Black/Red (Hybrid) Oak		31		10		Mixed Sedges/Grasses			Medium	Not Applicable	Not Applicable
Bigtooth Aspen		42	Seedling	7	61						
101	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well		7.1	101		N/A		Areas of nice quality cedar. 3 Strips of cedar cut winter of 2020		
Canopy Species		% Cover	Size Class	DBH	Age						
Northern White Cedar		45		9	101						
Paper Birch		5		9							
Balsam Fir		25	Sapling	7							
Red Maple		25		12							