



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33106

Entry Year 2020

Acreage: 2,316

County Delta

Management Area: Brampton Lake Plain

Revision Date: 2018-06-25

Stand Examiner: Dan Racine

Legal Description:

T41N, R22W Sections 22,23,24,25, and 26

Identified Planning Goals:

The majority of the upland cover types within this compartment are a mix of red pine and mixed pine stands along with aspen. The lowland cover types are approximately 25% of the compartment with mixed lowland deciduous and lowland conifer types as the major lowland cover types. The treatments within the planted pine stands are designed to be harvested and replanted to red pine. The replanting of red pine will take place over the next several treatment periods in the plantations where feasible. The plantation areas with a mix of preferred regeneration of species such as oak will be managed to enhance the stand diversity. The treatments within the natural pine stands are intended to create red pine regeneration where feasible and enhance the preferred regeneration of a mix of species. The treatments take into consideration the Days River Pathway on those stands that encompass the trail. Additional treatments will be implemented for scarification efforts to continue to enhance the red pine regeneration.

Soil and topography:

The topography of this compartment is nearly level to moderately steep. The soils consist of excessively drained sands, organic soils, and sand ridges. The major soil series include Rubicon, Grayling, Eastport, Roscommon, Tawas, Carbondale, Lupton, Rifle, Kalkaska, Au Gres, Wheatley, Brevort, Deford, Ensley, Angelica, Nahma, Cathro, and Tacoosh.

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

This compartment is part of a small block of state forest land that is about 3 miles wide and 7 miles long north of the village of Gladstone. To the north and the south of this compartment the ownership is mainly state land. To the west the ownership is small tracts of land, a portion of those have dwellings on them. To the east there are larger tracts of forest land.

Unique Natural Features:

Days River

Archeological, Historical, and Cultural Features:

None known

Special Management Designations or Considerations:

The Days River riparian area corridor along the Days River.

Watershed and Fisheries Considerations:

NLMMU - Northern Lake Michigan Management Unit. This compartment contains waterbodies located within the Days River and Tacoosh River watersheds. The northeast region of this compartment is adjacent to the Main Branch of the Tacoosh River which is a designated Type 1 trout stream less than 50' width. A 300' buffer is recommended for the Main Branch of the Tacoosh River in riparian areas susceptible to Aspen regeneration (specifically stand 27). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

South of Brampton 27.5 Rd, this compartment contains two waterbodies which serve as tributaries to the Days River. Adjacent to Brampton 27.5 Rd (south side of road) is the Main Branch of the Days River which is a designated Type 4 trout stream less than 50' width. A 300' buffer is recommended for the Main Branch of the Days River in riparian areas susceptible to Aspen regeneration (specifically stands 11, 34, 37, 63, and 92). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

The southwest corner of this compartment contains a waterbody which serves as a tributary to the Main Branch of the Days River. The unnamed waterbody is a designated Type 1 trout stream less than 50' width. A 300' buffer is

recommended for the unnamed waterbody in riparian areas susceptible to Aspen regeneration (Specifically Stand 76, and 137). For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

- Natural red and white pine regeneration is prolific throughout the compartment, WLD supports treatments of pine stands and where possible, encourages a natural pine regeneration. Natural pine regeneration provides vegetative diversity.
- WLD recognizes a large percent of the aspen acreage is 30-40 years. WLD encourages balance age-class distribution, stands over 40 acres include mature retention, and hold/increase conifer component where possible.
- Oak is a minor component in this compartment. Most abundant in the northeast sector of the compartment in mixture with red pine and aspen.
- The Days River has been buffered on each bank with a narrow strip of stands. Mature forest providing numerous benefits to wildlife.

Mineral Resource and Development Concerns and/or Restrictions

Active sand/gravel pits are located two miles to the east. There appears to be some sand potential within the compartment. Bedrock limestone appears to be too deeply buried here to have significant economic potential. No economic oil and gas production has been found in the UP. There is no history of metallic mineral leasing in the area, but the area has previously been explored for iron ore including two test wells within the compartment. A strong, positive magnetic anomaly extends into the northeast portion of the compartment. Potential for development of iron ore here is considered low at this time, due to the depth of potential iron formations.

Vehicle Access:

The vehicle access to this compartment is excellent via County Road I-86 (Brampton Cut Across) and the forest roads that branch off this road. Much of the compartment to the south is blocked by a gate on the Days River Bridge.

Survey Needs:

Additional survey corners may be required.

Recreational Facilities and Opportunities:

The Days River Pathway and cross county ski trail are located within this compartment. This trail is also used for mountain biking, hiking, and jogging in the summer months. There are also great opportunities for hunting and fishing. A portion of the snowmobile trail and ORV trail traverses through this compartment.

Fire Protection:

There is predominately red pine without a significant amount of ladder fuels. Over time the ladder fuels may expand and the area dries out quickly during the spring fire season along with a lot of recreation use. There is excellent access and good water sources within the compartment.

Additional Compartment Information:

**** Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:

Cover Type by Age Class

Cover Type by Management Objective

Compartment Volume Summary

Proposed Treatments – No Limiting Factors

Proposed Treatments – With Limiting Factors

**** The following information is displayed on the attached compartment maps:

Base feature information, stand numbers, cover types

Proposed treatments

Proposed road access system

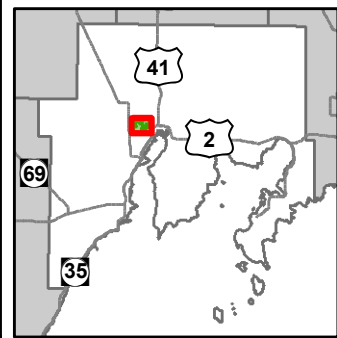
The following reports from the Inventory are attached:

- 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**

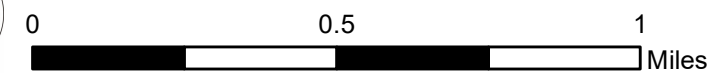
The following information is displayed, where pertinent, on the attached compartment maps:

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

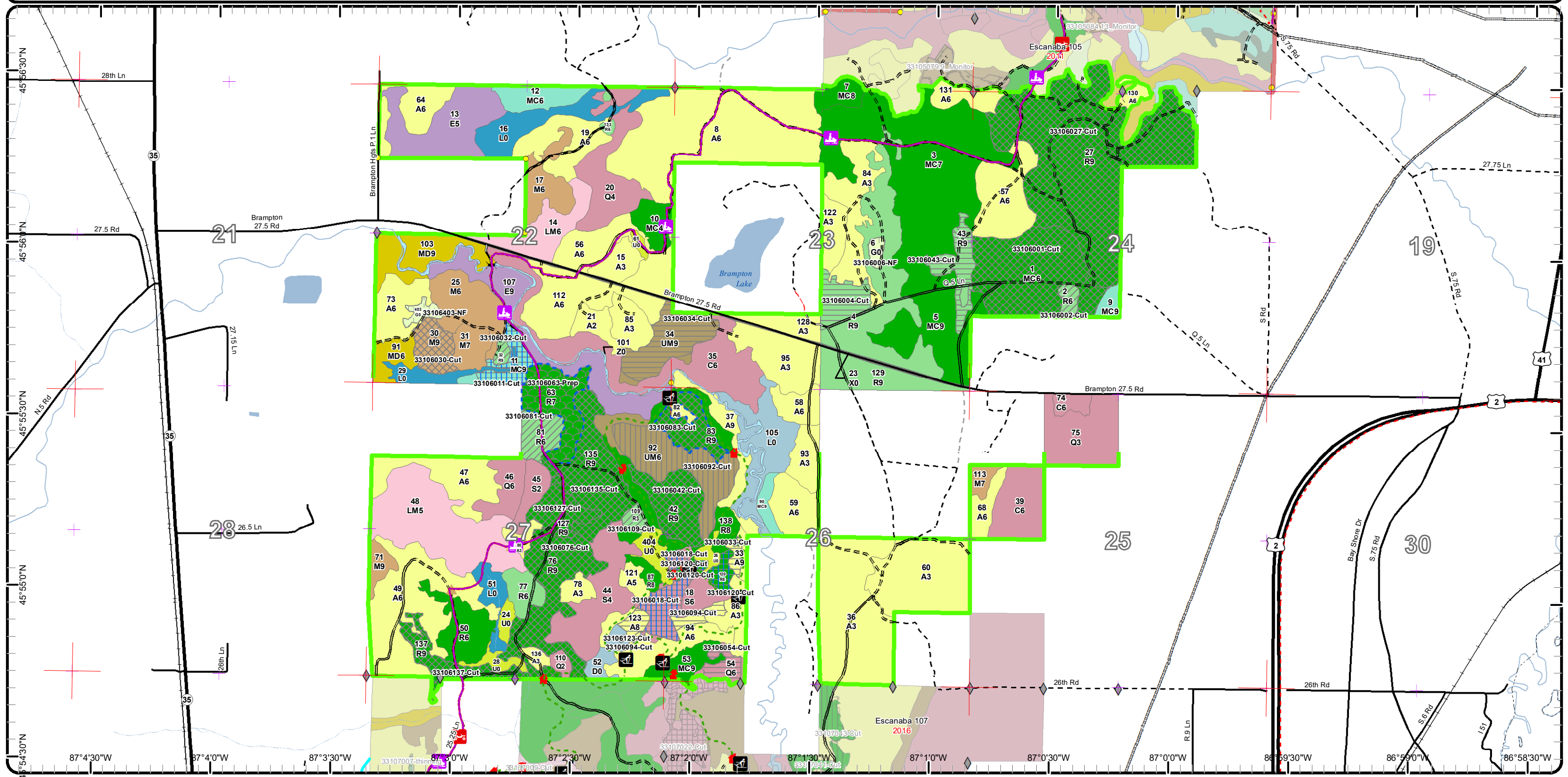
Cover Type & Treatments Map



Compartment: 106
 T41N - R22W Sec. 22-26
 County: Delta
 Unit: Escanaba
 Mgmt Area: Brampton Lake Plain
 YOE: 2020
 Acres: 2,316 GIS Calculated
 Examiner: Dan Racine
 Map Revised: 7/2/2018
 Map Phase: Web - Post

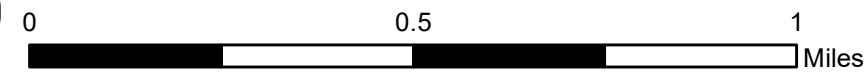
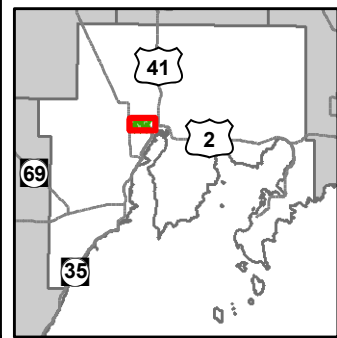


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- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Ski Trails
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- ▲ Berms
- ▲ Bridges
- ▲ Sign
- ▲ Structures
- Intermittent Stream
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- Perennial River
- Lakes and Rivers All
- Pipeline
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- Opening Maintenance
- Site Prep
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
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- 429 - Mixed Upland Conifers
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- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes

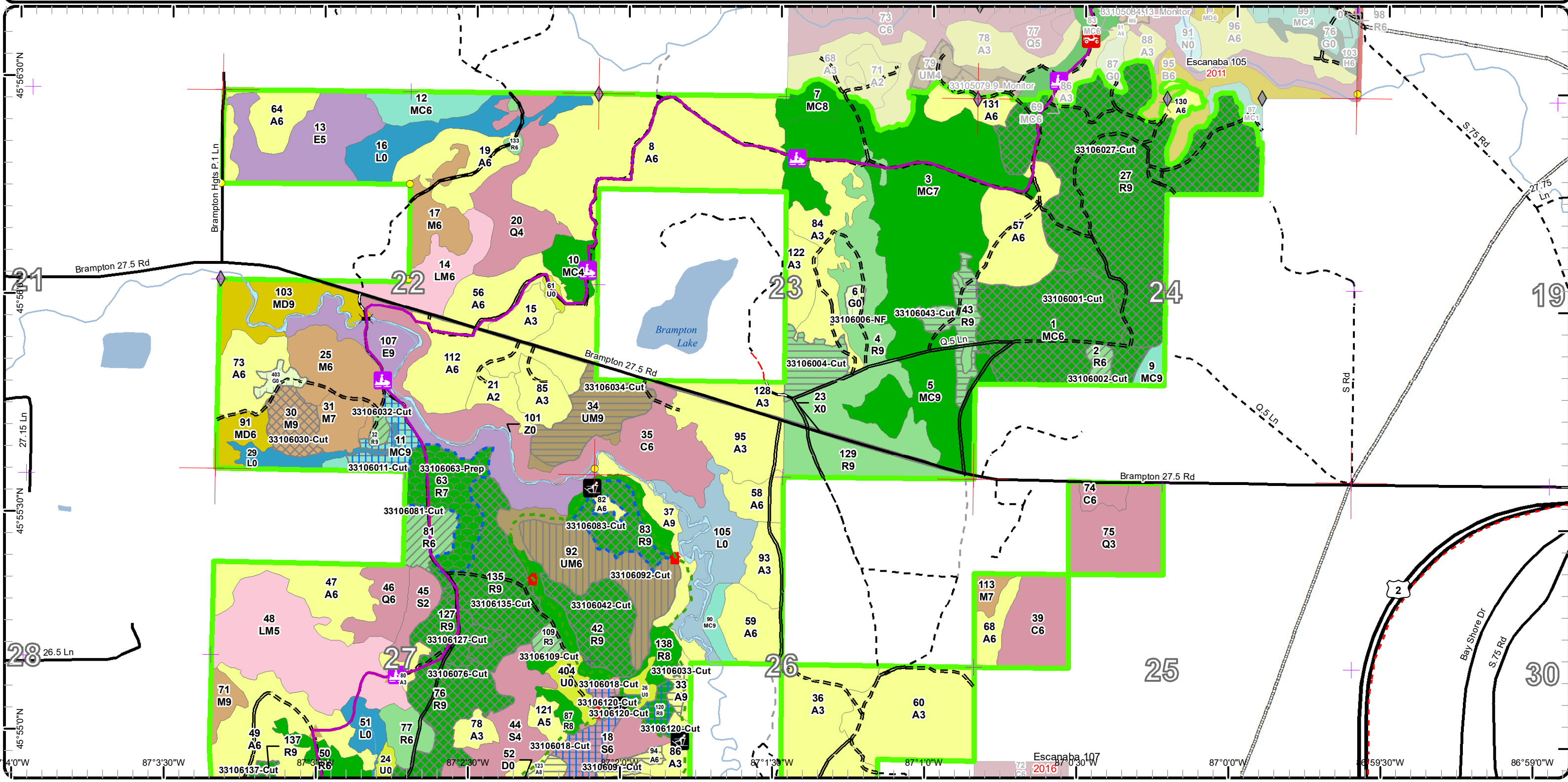


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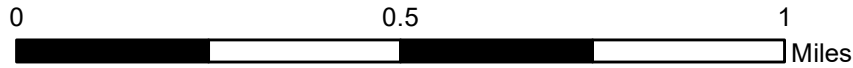
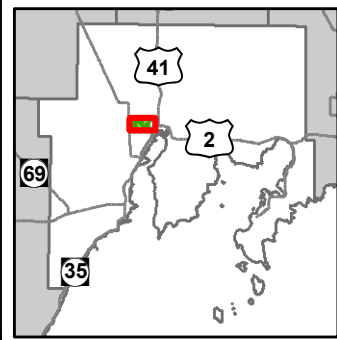


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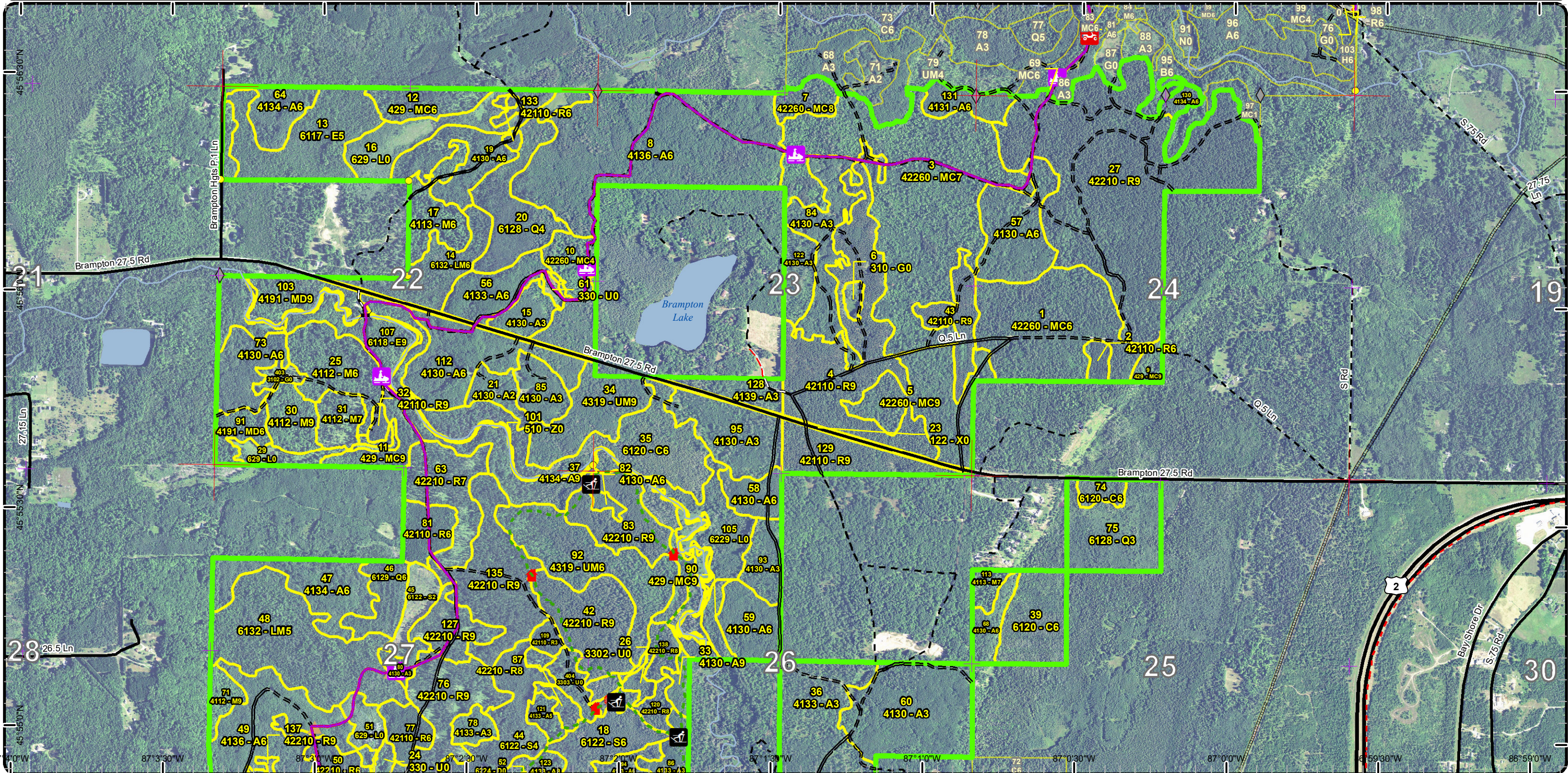
Stand Boundary Map

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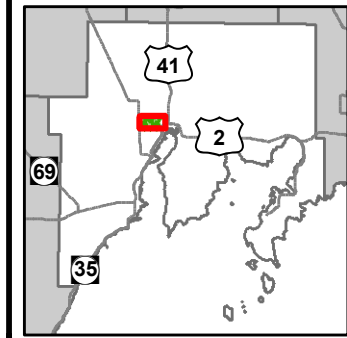
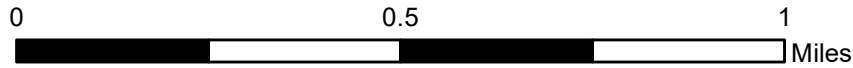
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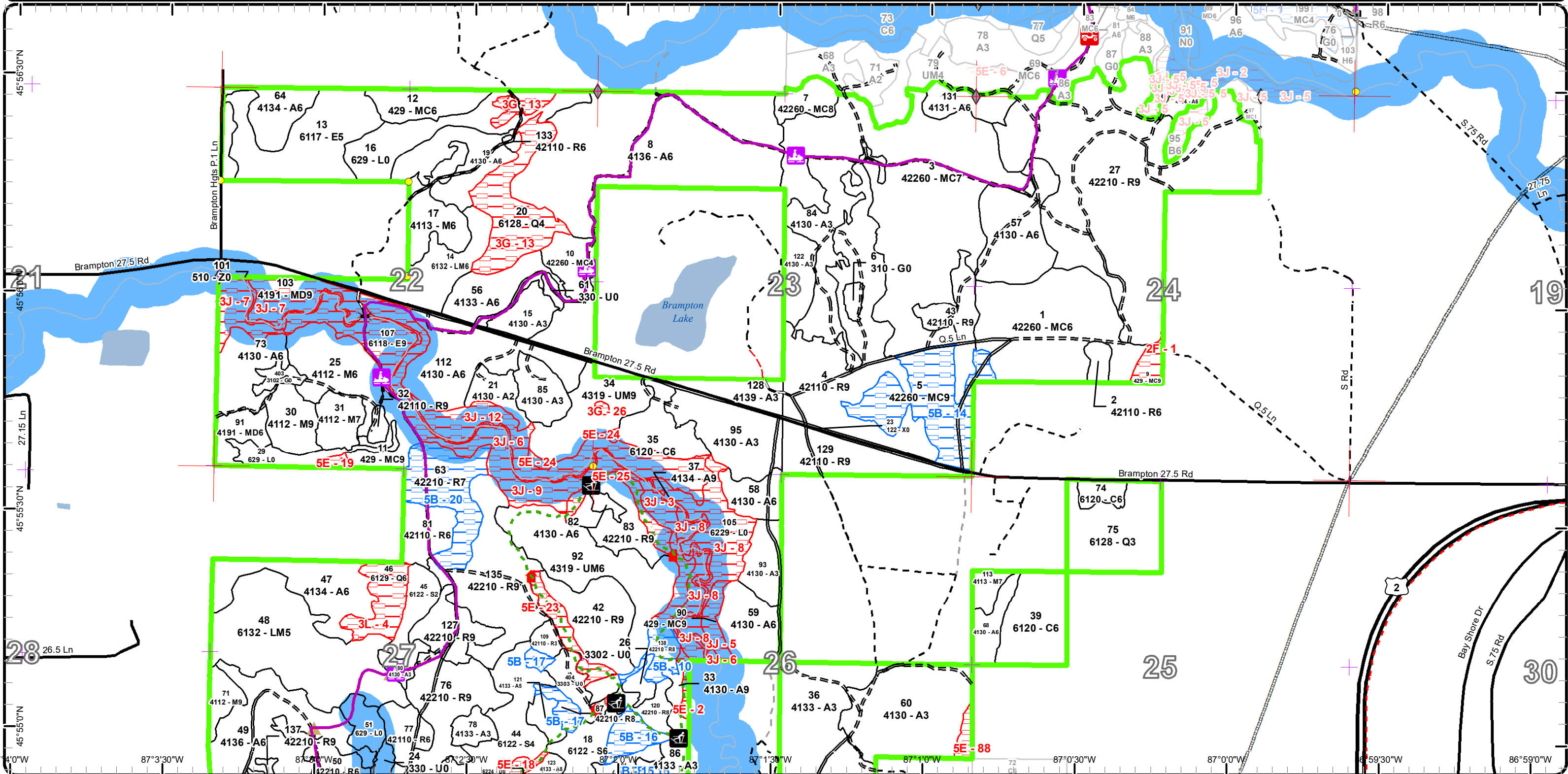


Special Conservation Areas & Site Conditions Map

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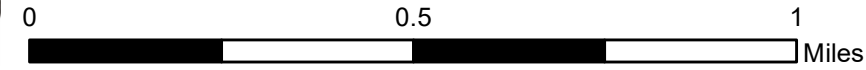
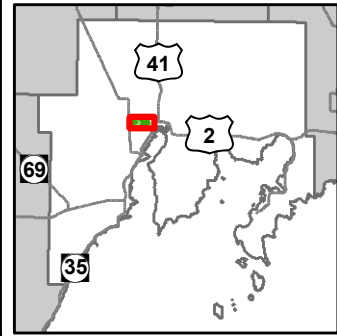


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| <ul style="list-style-type: none"> Miris Corners Remonumented Section Corners Survey Grade Corners Field Grade Corners Counties DNR - Primary Forest Road DNR - Secondary Forest Road DNR - Forest Access Route Federal / State Highway Federal / State / County - Paved Road Federal / State - Dirt / Gravel Road County - Dirt Road (Seasonal) Private - Dirt / Gravel Road Ski Trails | <ul style="list-style-type: none"> ORV Routes Snowmobile Trails Designated Hiking Trails Designated Bicycle Trails Designated Ski Trails Designated ORV Route Designated Snowmobile Trails Berns Bridges Sign Structures Intermittent Stream Lake/Pond Perennial River | <ul style="list-style-type: none"> Lakes and Rivers All Pipeline Compartment Boundary Available w/ Constraints Unavailable 5B: Maintain for regeneration purposes 2F: Too steep 3G: Other Influence zones - See comments 3J: Water quality / BMPs (stream, river, or lake) 3L: Other wildlife concerns 5E: Long-Term Retention Stand Boundaries Cold Water Streams | <ul style="list-style-type: none"> High Priority Trout Stream Buffer |
|--|--|---|---|

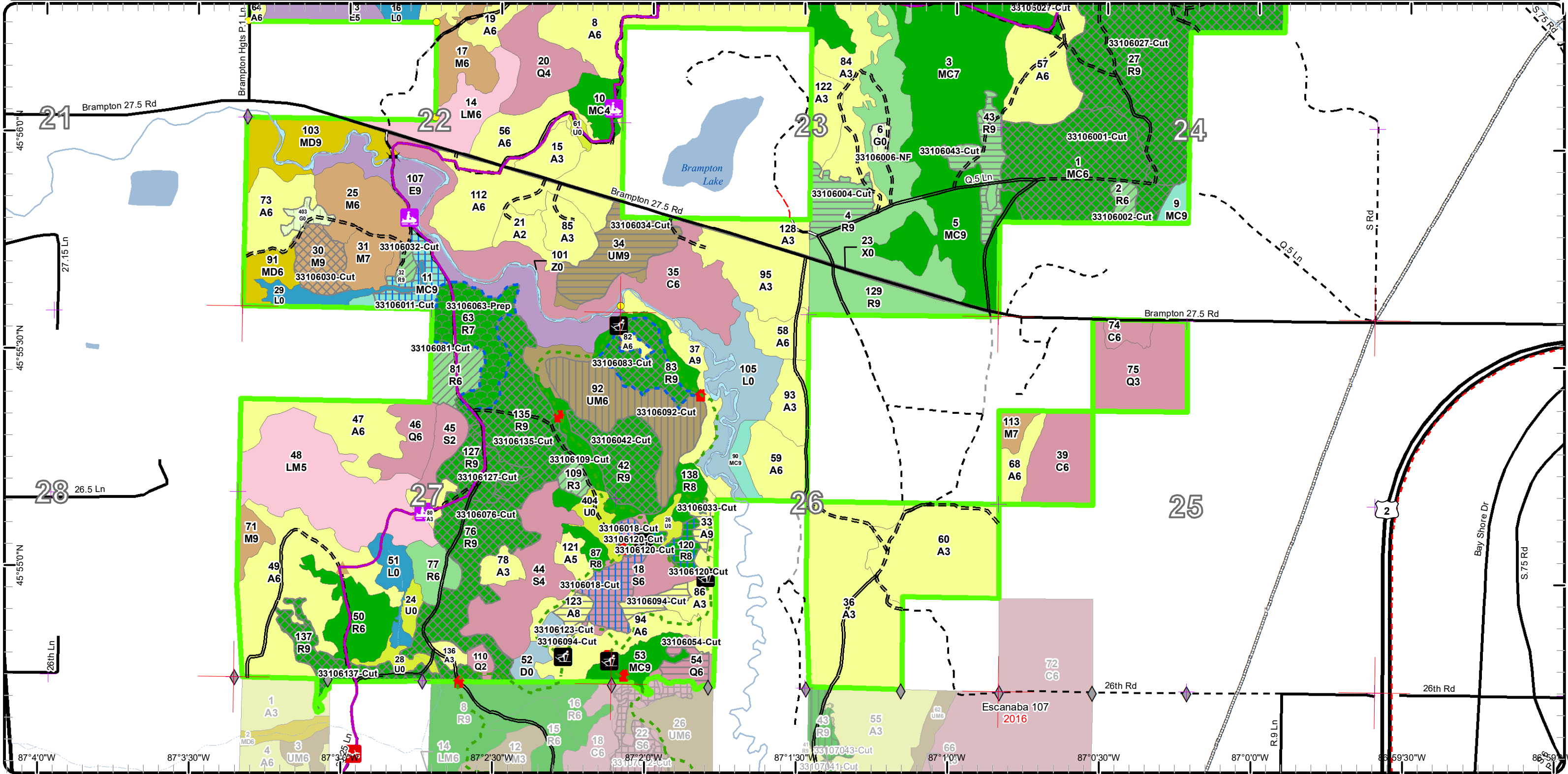


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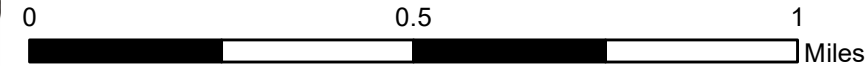
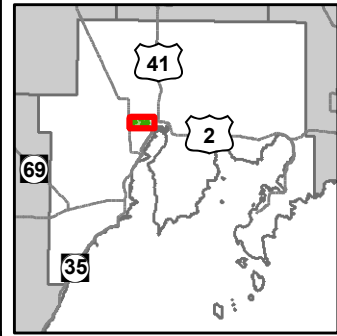


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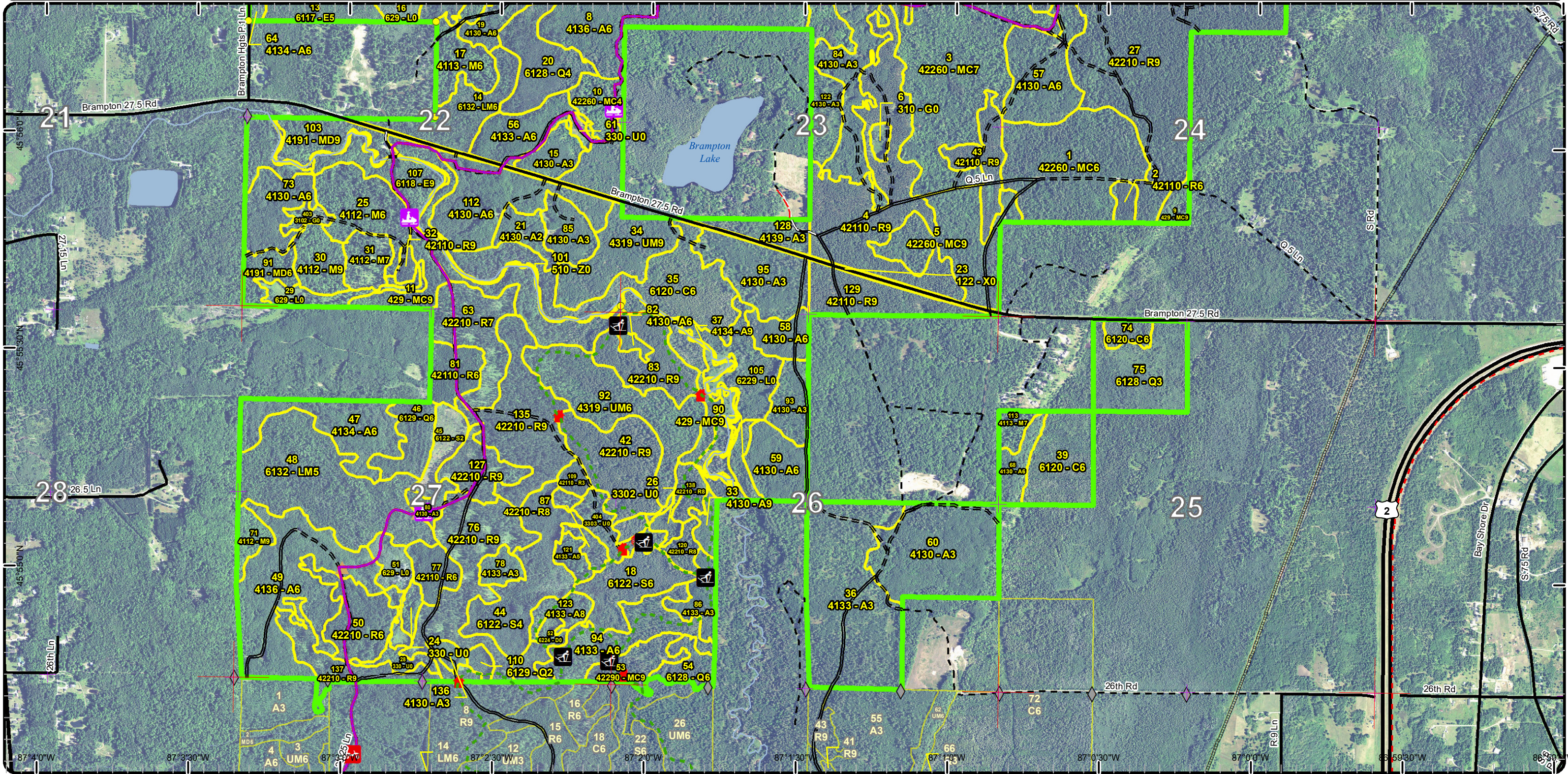
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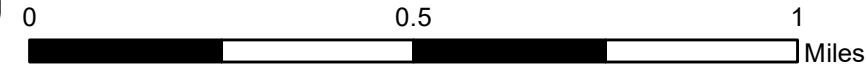
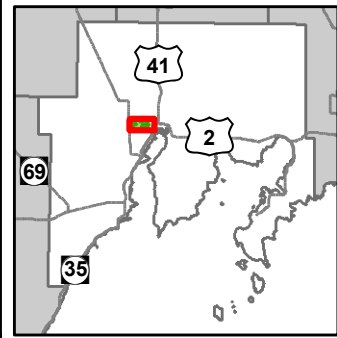
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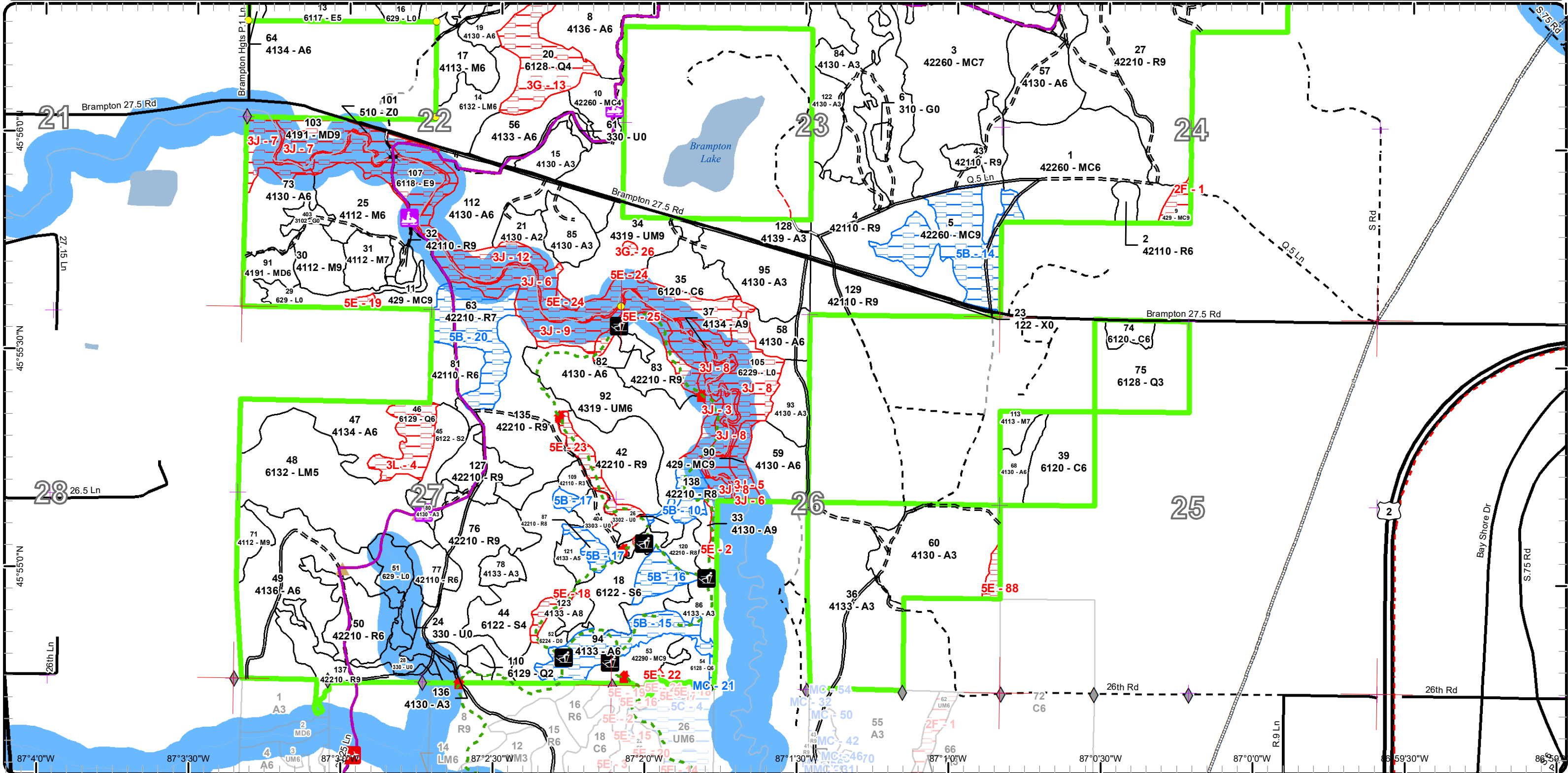


Special Conservation Areas & Site Conditions Map

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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 2F: Too steep
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	22	128	180	352	0	14	39	0	0	0	0	0	0	0	0	0	0	735
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	57	31	0	0	0	0	87
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Low-Density Trees	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Conifers	0	0	0	0	33	0	3	0	0	43	0	0	0	14	0	0	0	0	92
Lowland Deciduous	0	0	0	0	0	0	0	0	40	0	0	0	37	0	0	0	0	0	76
Lowland Mixed Forest	0	0	0	0	0	0	0	0	23	65	0	0	0	0	0	0	0	0	88
Lowland Shrub	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Lowland Spruce/Fir	0	10	0	0	0	0	0	0	36	25	0	0	0	0	0	0	0	0	71
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	10	25	0	0	0	0	0	0	0	0	35
Natural Mixed Pines	0	0	0	0	0	0	0	9	141	0	0	0	64	38	0	0	0	12	264
Northern Hardwood	0	0	0	0	0	0	0	18	12	50	0	0	0	0	0	0	0	0	80
Red Pine	0	0	0	22	8	0	3	133	163	136	45	27	0	8	0	0	0	0	543
Treed Bog	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Upland Conifers	0	0	0	14	0	0	0	0	0	6	0	0	17	0	0	0	0	0	37
Upland Mixed Forest	0	0	0	0	0	0	27	0	43	0	0	0	0	0	0	0	0	0	70
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Total	134	32	128	216	393	0	47	199	445	308	110	27	175	91	0	0	0	12	2310



Report 2 – Treatment Summary

Escanaba Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 106
Total Compartment Acres: 2,316

Commercial Harvest - 540
Harvests with Site Condition - 16
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	12	0	0	0	0	0	0	0	0	12
Lowland Conifers	7	0	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	0	0	0	15	0	0	0	0	0	15
Natural Mixed Pines	0	64	0	0	0	0	0	0	0	64
Northern Hardwood	0	13	0	0	0	0	0	0	0	13
Red Pine	28	314	0	7	0	23	0	0	0	372
Upland Conifers	0	0	0	11	0	0	0	0	0	11
Upland Mixed Forest	26	0	0	0	37	0	0	0	0	63
Total	73	391	0	33	37	23	0	0	0	556

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	556	27	0	0	0	0	0	7	0	589
Next Step	0	186	28	0	0	588	0	0	0	803
Total	556	213	28	0	0	588	0	7	0	1392



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	33106001-Cut	63.7	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	111	81-110	Harvest	Group Selection	429 - Mixed Upland Conifers	Two-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u>			Group Selection: Retain approximately 40-60 basal area harvesting a mix of species. Protect the regeneration spec needs to be applied. Create some openings around the oak to open up. This harvest will maintain the stand diversity and enhance the regeneration of the mixed upland conifers and oak.								
<u>Specs:</u>											
<u>Next Step</u>			Monitoring, Natural Regen (Re-Inventory)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Oak and Mixed upland conifers.								
<u>Other Comment:</u>			This stand will have larger retention areas due to pockets of mainly understory species. These retention areas will be determined at the time of sale prep. Retention may be higher than 10%.								
<u>Proposed Start Date:</u>			10/01/2019								
2	33106002-Cut	4.0	42110 - Planted Red Pine	Poletimber Well	37	81-110	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u>			Thinning: Residual basal target of about 110 with an initial BA of 140-180. Focus on removing double stems and poor form and ensuring skid trail are made.								
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u>			This stand was hand planted by a scout troop. Old Dump Site area.								
<u>Proposed Start Date:</u>			10/01/2019								
4	33106004-Cut	14.4	42110 - Planted Red Pine	Sawtimber Well	68	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u>			Clearcut: Cut all trees within treatment area of stand. This area will be replanted to Red Pine.								
<u>Specs:</u>											
<u>Next Step</u>			SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)								
<u>Treatments:</u>											
<u>Acceptable Regen:</u>			Planted Red Pine								
<u>Other Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2019								
6	33106006-NF	2.7	310 - Herbaceous Openland	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u>			Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.								
<u>Specs:</u>											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable Regen:</u>											
<u>Other Comment:</u>											
<u>Proposed Start Date:</u>			10/01/2019								



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
11	33106011-Cut	11.0	429 - Mixed Upland Conifers	Sawtimber Well	118	51-80	Harvest	Seed Tree with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal

Habitat Cut: No

Site Condition:

Prescription Seed Tree with retention: Leave pine seed trees. The seed trees will be varied from none to 20-30 basal area depending on the location. Retention
Specs: along the steep slopes and along the creek/drainage. Possible retention of the west southern portion where the timber is smaller and more regeneration. This harvest regenerate a mix of species maintaining species diversity here.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed upland conifers, mixed upland deciduous.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

18	33106018-Cut	15.3	6122 - Black Spruce	Poetimber Well	86	81-110	Harvest	Seed Tree with Retention	6122 - Black Spruce	Even-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Seed Tree with retention: Cut all trees except leave the east half of the treatment area which is smaller diameter timber and will hold. Leave small
Specs: patches of approximately 10 trees in clumps throughout the treatment area.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black spruce and mixed lowland conifers.

Regen:

Other

Comment: Consult with PRD about the timing of the sale. The north end of the treatment area and the access to the sale area will be the road/pathway loop between 4 and 5.

Proposed Start Date: 10/01/2019

27	33106027-Cut	155.9	42210 - Natural Red Pine	Sawtimber Well	70	81-110	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Two-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Selection: Retain approximately 70-80 BA throughout leaving the aspen and focus on pine marking. Create some canopy of various sizes and
Specs: encourage scarification.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Pine, oak, mix of the overstory species present.

Regen:

Other

Comment: This stand will have larger retention areas due to pockets of mainly understory species. These retention areas will be determined at the time of sale prep. Retention may be higher than 10%. Need to protect the understory with regeneration spec. Mainly the oak and any red pine.

Proposed Start Date: 10/01/2019

30	33106030-Cut	13.3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	88	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Proposal
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Habitat Cut: No

Site Condition:

Prescription Selection: Retain approximately 70-80 basal area throughout. Protect the existing sapling and pole sized regeneration. Create regeneration gaps.
Specs: This harvest will enhance the stand quality and regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, any mix of northern hardwood species.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
32	33106032-Cut	2.5	42110 - Planted Red Pine	Sawtimber Well	55	111-140	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Thinning: Retain approximately 100 BA throughout.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other There is a mix of older larger diameter pine. The previous treatment had no regeneration holes here. Eventually clearcut and replant.

Comment:

Proposed Start Date: 10/01/2019

33	33106033-Cut	2.5	4130 - Aspen	Sawtimber Well	68	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention: Cut all trees leaving retention from the trail to the east leaving a tree length buffer along the trail.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, mixed upland conifer and maples.

Regen:

Other The pathway traverses this stand. Consult with PRD on timing of the sale.

Comment:

Proposed Start Date: 10/01/2019

34	33106034-Cut	25.6	4319 - Mixed Upland Forest	Sawtimber Well	55	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention: Cut all trees except a few pine and leave retention along the boundary line. Leave a buffer around the vernal ponding area in the center of stand

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen, mixed upland conifers.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

42	33106042-Cut	24.4	42210 - Natural Red Pine	Sawtimber Well	88	111-140	Harvest	Single Tree Selection	429 - Mixed Upland Conifers	Two-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Selection: Retain approximately 90-100 Basal area and create variable sized gaps to allow for scarification and create red pine regeneration.

Specs: Protect the regeneration spec but allow for scarification in gaps where feasible.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Pine

Regen:

Other Access to the north across the trail.

Comment:

Proposed Start Date: 10/01/2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
43	33106043-Cut	13.9	42110 - Planted Red Pine	Sawtimber Well	69	81-110	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Clearcut with reserves and replant: Harvest all trees 2 inches and greater dbh. Delineate out the areas to the north and south where the oak saplings are. The planted red pine in this area is similar in age. This harvest is to maintain red pine acreage in plantations over a few decade time period without restarting all at once.											
<u>Specs:</u>											
<u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)											
<u>Treatments:</u>											
<u>Acceptable</u> Red Pine Planted.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2019											
54	33106054-Cut	7.0	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	88	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Field Boundary
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Final harvest- leave the cedar and leave retention.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventary)											
<u>Treatments:</u>											
<u>Acceptable</u> Mixed conifer species and mixed deciduous and aspen on the high ground portions of stand.											
<u>Regen:</u>											
<u>Other</u> This stand was removed from harvest from the Trails End sale in 2010. The stand will be added to the sale to the south in compartment 107.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2009											
63	33106063-Prep	26.5	42210 - Natural Red Pine	Sawtimber Poor	102	1-50	SitePrep	Scarification	4221 - Natural Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition: Shelterwood/Seed Source								
<u>Prescription</u> Scarify with dozer and root rake or tracks on the dozer in the areas of limited regeneration.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventary)											
<u>Treatments:</u>											
<u>Acceptable</u> Red Pine											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2019											
76	33106076-Cut	45.0	42210 - Natural Red Pine	Sawtimber Well	91	81-110	Harvest	Single Tree Selection	4221 - Natural Red Pine	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Thinning retaining approximately 70-80 BA, open up to some degree around the existing gaps and scarify with dozer/root rake within the gaps again.											
<u>Specs:</u> Needs to be harvested outside of the winter months. The intent is to try and encourage additional red pine regeneration here.											
<u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventary)											
<u>Treatments:</u>											
<u>Acceptable</u> Red Pine											
<u>Regen:</u>											
<u>Other</u> The snowmobile trail runs through the south end of the stand.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/01/2019											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
81	33106081-Cut	12.3	42110 - Planted Red Pine	Poletimber Well	27	Immature	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Thinning: Take 2 rows and leave 4. Check with TMS the feasibility of harvest here.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

83	33106083-Cut	16.3	42210 - Natural Red Pine	Sawtimber Well	88	81-110	Harvest	Single Tree Selection	4221 - Natural Red Pine	Two-Aged	Proposal
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Habitat Cut: No**Site Condition: Long-Term Retention**

Prescription Selection with gaps: Retain approximately 80 basal area. Create gaps and prescribe for scarification. The scarification can focus on the gaps. The trail will have to be crossed to get here but stay off the trail area leaving a buffer along the trail area.

Specs:

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

Acceptable Red Pine and mixed upland conifers.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

92	33106092-Cut	36.9	4319 - Mixed Upland Forest	Poletimber Well	75	51-80	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Two-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Shelterwood with retention: Cut all trees except pine. Some poor quality pine and areas with higher densities will be marked to cut throughout stand as well. This is a mixed stand and harvest will open up for existing regeneration maintaining some shade and maintain species diversity.

Specs:

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

Acceptable Aspen, Maple, Pine and Mixed upland conifers.
Regen:

Other Leave retention along the ski trail and to the north.
Comment:

Proposed Start Date: 10/01/2019

94	33106094-Cut	5.2	4133 - Aspen, Mixed Pine	Poletimber Well	61	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees 2 inches and greater dbh.

Specs:

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

Acceptable Aspen
Regen:

Other The treatment is a subset of the larger stand 94. Stand 94 was designed to discourage sprouting of aspen and increase upland conifer regeneration.
Comment:

Proposed Start Date: 10/01/2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
109	33106109-Cut	3.7	42110 - Planted Red Pine	Sapling Well	31	111- 140	Harvest	Systematic Thinning	4211 - Planted Red Pine	Even-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Thinning: Row thinning. Consult with TMS to remove 2 rows and leave 4.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

120	33106120-Cut	6.9	42210 - Natural Red Pine	Sawtimber Medium	123	51-80	Harvest	Seed Tree with Retention	429 - Mixed Upland Conifers	Two-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Seed tree: Long term Management objective of red and white pine. Leave approximately 20-30 Basal area for seed tree retention. Scarify in areas

Specs: where feasible post harvest. This harvest is designed to enhance the pine regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Red Pine, Mixed upland conifers.

Regen:

Other

Scarify only where feasible and protect the existing pine regeneration.

Comment:

Proposed Start Date: 10/01/2019

123	33106123-Cut	4.0	4133 - Aspen, Mixed Pine	Sawtimber Medium	61	1-50	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention: Stay off the trail leaving enough of a buffer to prevent windthrow. This will be cut along-side stand 18. This harvest will

Specs: leave some pine seed trees maintaining diversity and increasing pine regeneration.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Aspen and Pine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

127	33106127-Cut	15.0	42210 - Natural Red Pine	Sawtimber Well	86	81-110	Harvest	Single Tree Selection	4221 - Natural Red Pine	Two-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Thinning/selection: Retain 70-80 BA throughout and expand to some degree the existing gaps. Scarify with a dozer and root rake in the gaps again

Specs: to encourage the regeneration of red pine.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable RedPine

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
135	33106135-Cut	40.2	42210 - Natural Red Pine	Sawtimber Well	89	81-110	Harvest	Single Tree Selection	4221 - Natural Red Pine	Two-Aged	Proposal

Habitat Cut: No **Site Condition:**

Prescription Thinning/Selection: Open stand up to 70 basal area approximately creating a few of the 1/2 acre gaps to encourage additional red pine regeneration
Specs: then follow with scarification post harvest.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventry)
Treatments:

Acceptable Pine
Regen:

Other Retention along the trail.
Comment:

Proposed Start Date: 10/01/2019

137	33106137-Cut	17.0	42210 - Natural Red Pine	Sawtimber Well	88	51-80	Harvest	Single Tree Selection	4221 - Natural Red Pine	Two-Aged	Proposal
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Habitat Cut: No **Site Condition:**

Prescription Thinning/Selection: Thin stand down to 80 basal area approximately. Expand on the existing regeneration gaps making them larger and create
Specs: treatment for additional scarification.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Re-Inventry)
Treatments:

Acceptable Red Pine.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

403	33106403-NF	3.9	3102 - Grass	Nonstocked			NonForestMgt	Herbaceous/Crop/ Grass Planting	310 - Herbaceous Openland		Proposal
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Habitat Cut: No **Site Condition:**

Prescription Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw removal
Specs: of competing trees and establishment of native hard and soft mast producers such as red oak, crabapple or others.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2019

**Total Treatment
Acreage Proposed: 589.1**

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 106
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions						
		With Condition	Not Available		5B	MC	2F	3G	3J	3L	5E
736	645	22	70	Aspen	22				14		55
87	46	0	41	Cedar					41		
7	7	0	0	Herbaceous Openland							
22	22	0	0	Low-Density Trees							0
93	44	1	48	Lowland Conifers		1		34		14	0
77	40	0	37	Lowland Deciduous					37		
88	88	0	0	Lowland Mixed Forest							
77	45	0	31	Lowland Shrub					31		
71	63	8	0	Lowland Spruce/Fir	8						0
35	10	0	25	Mixed Upland Deciduous					25		
264	226	38	0	Natural Mixed Pines	38						
80	80	0	0	Northern Hardwood							
546	490	40	15	Red Pine	40						15
8	8	0	0	Treed Bog							
36	25	0	11	Upland Conifers			5		5		1
70	68	0	2	Upland Mixed Forest				1			2
10	10	0	0	Urban							
11	0	0	11	Water					11		
2,316	1,916	109	292	Total Forested Acres	108	1	5	35	164	14	74
	83%	5%	13%	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 Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Bluff edge and cedar and hemlock at the bottom							
2	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit

Compartment: 106

Dan Racine : Examiner

Year of Entry: 2020

3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	14	2F: Too steep	3D: Recreational / Scenic values	Unspecified	Unspecified
Comments:							
4	Unavailable	3L: Other wildlife concerns	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Static SCA cold water stream buffer along the Days River.							
6	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Days River and SCA corridor for static SCA along the Days River.							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Static SCA cold water stream buffer along the Days River.							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Static SCA cold water stream buffer along the Days River.							

Report 4 – Site Conditions

Escanaba Mgt. Unit
 Dan Racine : Examiner

Compartment: 106
 Year of Entry: 2020

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Static SCA cold water stream buffer along the Days River							
10	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	41	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Static SCA cold water riparian corridor along the Days River							
13	Unavailable	3G: Other Influence zones - See comments	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Poor Quality areas.							
14	Available	5B: Maintain for regeneration purposes	38	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 106
Year of Entry: 2020

16	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	5B: Maintain for regeneration purposes	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	5B: Maintain for regeneration purposes	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	Minor Change in Acreage	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Escanaba Mgt. Unit
Dan Racine : Examiner

Compartment: 106
Year of Entry: 2020

23	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
25	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3G: Other Influence zones - See comments	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Vernal Ponding area							
88	Unavailable	5E: Long-Term Retention	3	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	63.7	111	81-110	CLUMPS OF LOG SIZE R. WAS CUT IN 1983, "OLD DUMP SITE PINE". The lowest basal area points were 50 BA and the highest at 110. Trace amount of white spruce and paper birch in the canopy. Trace amount of paper birch sap and pole in the sub canopy. Red oak is sap/pole.
2	42110 - Planted Red Pine	Poletimber Well	4.0	37	81-110	OLD DUMP SITE. The site was hand planted to red pine at 7x10' spacing. No apparent rows do a traditional crown thinning with a residual 110 residual Basal area. Current basal area of 140 to 200.
3	42260 - Natural Pine, Mixed Deciduous	Sawtimber Poor	129.6	70	1-50	This stand was harvested during most of 2001 under contract number 33-006-00-01 (Brampton Lake). Aspen, white birch, and hardwoods were cut on a diameter limit. All aspen 8" DBH and greater, all white birch 10" DBH and greater, and all hardwoods 12" DBH and greater were cut. The result is this is being called a two-aged stand with scattered residual overstory and fully stocked understorey. Manage for the understorey and overtime this will be the main stand.
4	42110 - Planted Red Pine	Sawtimber Well	72.0	68	81-110	THINNED IN 1992 UNDER "BRAMPTON LAKE PINE" SALE. 2012 TS Update=> This stand was cut under the Cut Across sale by Triest logging under unit 5,6,7, and 8. The oak saplings were protected and stand 9 the out area had no operations. More hardwood and some white pine to the south.
5	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	38.3	121	81-110	This stand is being called two age with enough red pine, white pine and oak in the overstorey to keep that the main stand and regenerating stand is 26. So much aspen and maple and oak likely to manage for underscore and maintain presence of pine in stand.
7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Medium	8.8	61	51-80	Mix of A,M, F and W understorey and large red pine. Look to treat with stand 8 in the future.
8	4136 - Aspen, Mixed Conifer	Poletimber Well	111.6	38	81-110	There was a salvage harvest here in 1980/81. This stand will be ready throughout next treatment period. Some older trees.
9	429 - Mixed Upland Conifers	Sawtimber Well	4.5	114	81-110	Blowdown bluff edge stand. Steep and bottom is mainly hemlock and cedar with a few scattered maple, birch.
10	42260 - Natural Pine, Mixed Deciduous	Poletimber Poor	11.7	72	1-50	Unit 1 of the Brampton Road sale. All hardwoods 12 inches and above were cut. The stand is now being typed as two aged with the canopy the residual hardwood left from the sale and sub-canopy the regeneration from the Brampton Road sale. This is a fully stocked stand.
11	429 - Mixed Upland Conifers	Sawtimber Well	12.4	118	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	429 - Mixed Upland Conifers	Poletimber Well	13.8	28	Immature	There is a lot going on in this stand. The age is from balsam fir regeneration there prior to harvest in 2000. Some pockets of spotty aspen regeneration with spruce and balsam seedlings in places. Pockets with F3 and F4 with spruce, balsam, and cedar left. Also some M type throughout in pockets. One acre of 43yr old red pine plantation in the north central part of the stand. The plantation was thinned with this stand. This stand was harvested in Sept of 2000 (West Brampton Lake 33-009-00-01 Unit 1). All spruce were left, cherry were also protected as well as small balsam and all cedar.
13	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	40.4	75	51-80	60 on increment borer black ash. Poor quality very wet site. When a harvest happens needs area based retention only and cut everything outside retention to avoid rutting. This stand has some blowdown of shorter lived species. This stand needs to look at harvest the next treatment period along with stand 64 when that stand is ready.
14	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	22.8	89	51-80	This is an E/Q/C stand of poor quality some pockets of timber. Trace amount of tamarack and black spruce in the canopy.
15	4130 - Aspen	Sapling Well	9.7	17	Immature	OPIC - FMD: This stand was harvested winter of 2000-2001 under contract 33-010-00-01. Trees were marked to leave along the Brampton Rd. There were only 2 pines in this stand and both were left. There aren't any oaks within this stand.
17	4113 - R.Maple, Conifer	Poletimber Well	18.1	68	51-80	Harvested Oct of 2000. (West Brampton Lake 33-009-00-01 Unit 2)
18	6122 - Black Spruce	Poletimber Well	25.2	86	81-110	A couple of upland ridges/knolls with pine, aspen spruce and fir. The stand is to the south of the ski trail loop. There was little cedar found to the west but more in the north piece and a few scattered on the east side
19	4130 - Aspen	Poletimber Well	23.1	32	51-80	
20	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Poor	34.1	89	1-50	This stand is a mix of timber at 25-75% with tamarack and black spruce with areas of no timber and tag and lowland brush to the south.
21	4130 - Aspen	Sapling Medium	8.4	18	Immature	. Harvested winter of 2000-2001 This stand has some opening areas to small to type out. The west side was fully stocked and open areas were f2.
25	4112 - Maple, Beech, Cherry Association	Poletimber Well	25.9	89	51-80	Most of unit 3 of the "Days River Crossing" sale (33-044-00-01). This stand was harvested during the spring of 2002. Look at clearcut next treatment period. Trace amount of black ash and yellow birch in the canopy.
27	42210 - Natural Red Pine	Sawtimber Well	155.9	70	81-110	Red Pine with some aspen and white pine. More aspen to the north end of the stand. More white pine than anything in the understory. Trace amount of red pine in the understory.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
30	4112 - Maple, Beech, Cherry Association	Sawtimber Well	13.3	88	111-140	Harvested in 1980 under the DAYS RIVER FORD HARDWOOD SALE and last harvested under unit 2 of the "Days River Crossing" sale (33-004-00-01) in the winter of 2002. The stand is worth marking for now.
31	4112 - Maple, Beech, Cherry Association	Sawtimber Poor	10.6	89	1-50	TPA = 600 The stump browsing on red maple was high. May benefit from checking regeneration next cycle and seeing what happens.
32	42110 - Planted Red Pine	Sawtimber Well	2.5	55	111-140	Planted in 1963 with the Rapp Cultivator. Last cut in the Trails End sale in 2012 and in 2002 prior to that.
33	4130 - Aspen	Sawtimber Well	4.9	68	81-110	The pathway traverses through the stand. Slope/bluff edge on the eastern portion. Large diameter older aspen.
34	4319 - Mixed Upland Forest	Sawtimber Well	27.4	55	81-110	Aged one big tooth at 72.
35	6120 - Lowland Cedar	Poletimber Well	56.5	118	111-140	SCA- Riparian area corridor Days River. Cold water riparian are static SCA along the Days River.
36	4133 - Aspen, Mixed Pine	Sapling Well	70.4	18	Immature	This stand was harvested summer and fall of 2000 under contract number 33-003-00-01 (K & K Logging). A3 with scattered residual red and white pine. Some scattered white birch were marked to leave during timber sale prep.
37	4134 - Aspen, Spruce/Fir	Sawtimber Well	14.4	58		Along the Days River
39	6120 - Lowland Cedar	Poletimber Well	25.5	129	111-140	There are strips filling in with spruce and balsam, with some white birch, aspen and balm. More Q understory here than E. High BA cedar where its left with little or no understory. Manage this stand as one.
42	42210 - Natural Red Pine	Sawtimber Well	32.2	88	111-140	STAND WAS TREATED AROUND 1987, (DAYS RIVER CROSSING PINE). This stand was harvested during the spring of 2003, under contract number 33-007-00-01 (Days River Pine). Natural Red and White Pine Stand with a dense underscore of red and white pine saplings more to white pine. Small area of black spruce located in the southwest corner. Trace amount of red maple aspen black spruce and tamarack in the overstory.
43	42110 - Planted Red Pine	Sawtimber Well	15.6	69	81-110	This stand was thinned in 2012, 1992. Quite a few oak saplings left here from the treatment in places.
44	6122 - Black Spruce	Poletimber Poor	35.8	72	1-50	
45	6122 - Black Spruce	Sapling Medium	9.8	5	Immature	This stand was cut under Trails End. The black spruce stand is currently regenerating. Super canopy submerchantable blacks spruce post harvest.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	13.7	124	51-80	Mix of cedar and tamarack and a few other paper birch and black spruce.
47	4134 - Aspen, Spruce/Fir	Poletimber Well	29.0	29		WAS PART OF THE ACTIVE BUCK PINE SALE OF 1988. SMALL PATCH OF R6 IN THE NE PART OF STAND. R,W AND F COMING IN UNDER ASPEN.
48	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	64.9	95	1-50	There are a few ridges here with some maple, birch, mixed conifers. Overall small diameter poor quality stand with around 35% small black ash and cedar. You can see upland pockets on the imagery.
49	4136 - Aspen, Mixed Conifer	Poletimber Well	61.0	33	Immature	East southeast has an area of wet ground with tamarack, black spruce, tag alder, and white pine. Fully stocked aspen coming into pole stand. Trace amount of red pine and cedar in the canopy.
50	42210 - Natural Red Pine	Poletimber Well	21.1	69	81-110	There is a significant amount of aspen in the understory here with balsam fir and some minimal white pine. There is a trace amount of black spruce and hemlock in the overstory. At this time allow the understory to progress and decide if a clearcut and replant or harvest to discriminate against the aspen and promote pine is the best option likely in a couple of treatment periods. The southern portion is 25-75% canopy and full understory.
53	42290 - Natural Mixed Pine	Sawtimber Well	12.1	95	51-80	Stand was cut under Sale Number 33-010-10-01. Sale Name: Trails End. Stand cut in 2013. Currently regenerating to mixed upland forest.
54	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	8.5	88	51-80	This stand has a few upland ridges. Difficult access due to the pathway. The sale was under Trails End Sale contract turned back and currently under the North 107 SBW contract.
56	4133 - Aspen, Mixed Pine	Poletimber Well	30.1	37	81-110	High balsam fir understory. Trace amount of paper birch in the canopy.
57	4130 - Aspen	Poletimber Well	30.9	35	81-110	More Oak to the north of the trail. Aspen dbh from 4-8 inches dbh. Trace amount of red maple in the canopy.
58	4130 - Aspen	Poletimber Well	10.5	33	81-110	Couple little oaks around the large oak trees left from the sale.CUT UNDER "DAYS RIVER ASPEN" SALE.
59	4130 - Aspen	Poletimber Well	17.5	33		F on the edges.CUT UNDER "DAYS RIVER ASPEN" SALE.
60	4130 - Aspen	Sapling Well	49.6	25	Immature	
63	42210 - Natural Red Pine	Sawtimber Poor	26.5	102	1-50	This stand was cut and scarified under the trails end sale unit 3. Hardwood and no gaps to west of trail. Two regeneration plots had 495 tpa of red pine, 440 tpa of white pine and 165 tpa of other species. More white than red pine overall in and out of the regeneration holes.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	4134 - Aspen, Spruce/Fir	Poletimber Well	18.0	36	51-80	Stand was cut in 1982. 47-81A. Smaller dbh red maple with 6-9 inch aspen. some larger diameter red maple here.
68	4130 - Aspen	Poletimber Well	9.0	34	51-80	OPIC - FMD: 2010 OI Comments=> This stand is also the bluff edge. Big tooth aspen here. Mixed aspen.
71	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.6	74	51-80	Look at next two treatment periods to clearcut.
73	4130 - Aspen	Poletimber Well	18.7	29		LOOKS LIKE THIS WAS SALE #O27-89-2. "DAYS RIVER WATER QUALITY" SALE. Northwest portion of the stand has more open areas with black cherry, balsam fir on high ground and tag alder on lower ground.
74	6120 - Lowland Cedar	Poletimber Well	5.3	128	81-110	Looked at from the edge bottom of hill. Some larger diameters too.
75	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	33.4	31	Immature	Mix of Tamarack,spruce,balsam,some cedar,birch and aspen in the overstory.
76	42210 - Natural Red Pine	Sawtimber Well	45.0	91	81-110	The understory is a mix of white pine, aspen, couple birch and some red pine. In the previous prescription the stand was a Selection harvest, Harvesting to around 80 BA. Gaps were created at approximately 1/2 acre regeneration holes randomly throughout the entire stand. These holes were to add up to 20% of the total stand acres or approximately 10.5 acres spaced throughout the entire stand. The intent was to harvest within this stand every 10 year treatment period creating an additional 20% regeneration holes each 10 year cycle. The scarification was within these gaps. Stand was cut under the sale name: Trails End sale number: 33-010-10-01. The regeneration within the gaps was 293 trees per acre of red and white pine together. The overall regeneration of red and white pine throughout stand is adequate but not adequate if just red pine is counted or regeneration just within gaps is counted.
77	42110 - Planted Red Pine	Poletimber Well	10.0	27	111-140	Red pine plantation at 27 years of age. About 75% of the stand is merchantable with 1 or more sticks. About 6 inch dbh with largest at 8 inches.
78	4133 - Aspen, Mixed Pine	Sapling Well	5.7	27	Immature	Primarily aspen with 4-5 inches dbh and scattered larger red and white pine left from the harvest. Could be considered 2-aged.
80	4130 - Aspen	Sapling Well	4.8	27		SNOWMOBILE TRAIL THROUGH STAND.
81	42110 - Planted Red Pine	Poletimber Well	12.3	27	Immature	The dbh is about 6 inches. Potential take 2 rows and leave 4. Rows appear to run north/south.
82	4130 - Aspen	Poletimber Well	2.2	25	1-50	STAND WAS CUT AROUND 1990 - NORTH LOOP SALE. Fully stocked mix of pole/sapling stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	42210 - Natural Red Pine	Sawtimber Well	23.8	88	81-110	Could not get an age with the increment borer. Harvested in 1990 - NORTH LOOP SALE and during the spring of 2003 under permit number 33-007-00-01 (Days River Pine). Areas along the pathway were not thinned to protect the surface of the pathway for mountain biking.
84	4130 - Aspen	Sapling Well	29.2	26	51-80	SALE #106-90-1, CO RD 186 ASPEN. Coming into an A6 stand with 60% non-merchantable and 40% merchantable timber at this moment.
85	4130 - Aspen	Sapling Well	12.5	27	Immature	CLEARCUT EXC FOR OAK UNDER CONTRACT 012-90-1, "CO RD 186 ASPEN" TWO TRACK IN STAND
86	4133 - Aspen, Mixed Pine	Sapling Well	9.8	26	Immature	CLEARCUT PORTION OF SALE #001-91-1, "MOUNTAIN ASH ASPEN" SALE.
87	42210 - Natural Red Pine	Sawtimber Medium	6.1	88	51-80	This stand was first SELECT CUT AREA OF SALE# 001-91-1, "MT ASH ASPEN". WEST EDGE IS MORE OPEN WITH ASPEN, WHITE PINE AND RED PINE REGENERATION and Stand was cut under the sale name Trails End. Sale number 330101001. Some Red pine regeneration, allow for time to see if red pine fills in the open areas.
90	429 - Mixed Upland Conifers	Sawtimber Well	5.5	87	51-80	East of the Days River. Bluff edge to the river.
91	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.8	71	51-80	Unit 1 of the "Days River Crossing" sale. (33-003-00-01). This stand was cut spring of 2001. Some scattered red pine and larger white pine, as well as smaller white pine. Some black cherry as well.
92	4319 - Mixed Upland Forest	Poletimber Well	42.8	75	51-80	LOTS OF W SEEDLINGS IN THE MAJORITY OF THIS STAND. SE HAS LESS W SEEDLINGS. This stand was harvested during the spring of 2003 under contract number 33-007-00-01 (Days River Pine). Stand was harvested on a diameter limit; aspen, white birch, and hardwoods 9" DBH and greater were removed. . All tree were left to buffer the pathway approximately 1 chain either side of the trail. A 3 acre pocket of red pine was merged into stand 92. This area can be thinned out.
93	4130 - Aspen	Sapling Well	12.1	15	Immature	Quite a bit of white and red pine regeneration scattered with most along the road for red pine. This stand was harvested during the fall of 2002 under contract number 33-010-00-01 (Brampton Road).
94	4133 - Aspen, Mixed Pine	Poletimber Well	27.0	61	51-80	The Days River pathway traverses through this stand. Cut under sale number: 33-010-10-01. Sale Name Trails End.
95	4130 - Aspen	Sapling Well	27.5	15	Immature	Some scattered oak.A3 stand with lots big tooth here. Stand with a few scattered red pine. Some white birch were left also. This stand was harvested spring of 2003 under contract number 33-010-00-01. Some sprouting had already occurred during 2003.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
103	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	24.9	89	81-110	
107	6118 - Lowland Deciduous with Cedar	Sawtimber Well	36.5	118	51-80	
109	42110 - Planted Red Pine	Sapling Well	3.7	31	111-140	Red Pine plantation. Trace amount of pin cherry and red maple in the overstory.
110	6129 - Mixed Coniferous Lowland Forest	Sapling Medium	3.1	56		Basically a treed bog with spruce, white pine red pine and tamarack.
112	4130 - Aspen	Poletimber Well	35.9	37	81-110	OI Stand Year Origin was 1981 could not age.
113	4113 - R.Maple, Conifer	Sawtimber Poor	5.1	79	1-50	This stand was cut under the Left Out Cut Across sale completed in 2013. The main stand will be the aspen/birch/maple/spruce/fir that is regenerating. The current cover type represents the trees that were left for retention.
120	42210 - Natural Red Pine	Sawtimber Medium	8.4	123	51-80	WAS CUT UNDER CONTRACT; "MT ASH ASPEN" SALE.
121	4133 - Aspen, Mixed Pine	Poletimber Medium	5.2	27	51-80	CUT UNDER CONTRACT 001-91-1, MT ASH ASPEN. Moderate to high pine regeneration.
122	4130 - Aspen	Sapling Well	11.7	7	Immature	TS Update=> This stand was cut under the Cut Across sale by Triest unit 4. Some residual red pine but called A3 at time of sale completion.
123	4133 - Aspen, Mixed Pine	Sawtimber Medium	7.3	61	1-50	This is not much of a stand with some scattered large diameter aspen and pine in the overstory. The underscore is filling in with a mix of pine and mixed upland forest species. Along the trail.
127	42210 - Natural Red Pine	Sawtimber Well	15.0	86	81-110	Regen gaps cuts throughout and scarified. 180 trees per acre of red and white pine within the regeneration gaps.
128	4139 - Aspen, Mixed Deciduous	Sapling Well	10.5	6	Immature	This stand was cut under the Cut Across sale by Triest Unit 3. Oak and a couple of red maple were left. Quite a bit of red pine residual with the aspen coming in underneath. Trace amount of white pine and balsam fir in the canopy.
129	42110 - Planted Red Pine	Sawtimber Well	22.9	69	111-140	There are some decent red pine seedlings in some areas. Trace amount of oak in the overstory.
130	4134 - Aspen, Spruce/Fir	Poletimber Well	4.6	33	51-80	Flowing water here with pole sized tag alder in the low area.
131	4131 - Aspen, Oak	Poletimber Well	10.6	28	Immature	Along the eastern boundary and transition to stand 27 is more natural pine with white and red pine.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
133	42110 - Planted Red Pine	Poletimber Well	1.7	63	81-110	Thinned Oct. Of 2000. (West Brampton Lake 33-009-00-01) (unit 3) A few residual big aspen and some small residual white birch. This stand was cut under the cut across sale unit 2 by Triest.
135	42210 - Natural Red Pine	Sawtimber Well	42.3	89	81-110	This stand was harvested during the spring of 2003 under contract number 33-007-00-01 (Days River Pine). Stand received some wind damage, blowdown was salvaged in summer of 2004.
136	4130 - Aspen	Sapling Well	3.1	27		THE STAND WAS HARVESTED IN 1990 - ACTIVE BUCK SALE. Big tooth aspen here. Trace amount of black cherry and red maple.
137	42210 - Natural Red Pine	Sawtimber Well	17.0	88	51-80	Cut under Sale Name: Trails End. Sale Number: 33-010-10-01 The previous treatment was designed to Create approximately ½ acre regeneration holes randomly throughout the entire stand. These holes will add up to 20% of the total stand acres or approximately 2.5 acres spaced throughout the entire stand. The intent is to harvest within this stand every 10 year treatment period creating an additional 20% regeneration holes each 10 year cycle. Focus the scarification efforts and red pine regeneration within these regen holes. The snowmobile trail traverses this stand.
138	42210 - Natural Red Pine	Sawtimber Medium	7.4	78	51-80	Stand cut under Sale number 33-010-10-01. Sale Name: Trails End in 2012 and previously WAS TREATED AROUND 1987, (DAYS RIVER CROSSING PINE). The Days River Pathway traverses the sale.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	310 - Herbaceous Openland	2.7	No	An area that was scheduled for prescribed burn and opening maintenance, previously planted but failed. BLUEBERRY SWALE. WAS PLANTED BUT TREES DID NOT SURVIVE. PROBABLY A FROST POCKET.
16	629 - Mixed non-forested wetland	26.1	No	SOME TREES IN PLACES - BUT PRETTY MUCH A MARSH. CREEK FLOWS THRU STAND - OLD BEAVER DAMS.
23	122 - Road/Parking Lot	10.4	No	COUNTY ROAD - BRAMPTON CUT ACROSS.
24	330 - Low-Density Trees	3.6	No	This stand is a mix of L and Q4 with tamarack,spruce,cedar,balsam fir, birch, maple and others.
26	3302 - Low Density Conifer Trees	3.4	No	Scattered spruce and pine trees with a lowland pocket.
28	330 - Low-Density Trees	4.9	No	This stand is a mix of L and Q4 with tamarack,spruce,cedar,balsam fir, birch, maple and others.
29	629 - Mixed non-forested wetland	9.2	No	BEAVER FLOODING. At the time of inventory there was not much water in this stand. Had been flooded at other times.
51	629 - Mixed non-forested wetland	9.8	No	
52	6224 - Treed Bog	8.0	No	I will still call this a bog but could be a Q4/S4 site.
61	330 - Low-Density Trees	2.0	No	Sand pit area with scattered small trees of white pine, paper birch, cherry, black spruce, red maple, tamarack and white spruce.
101	510- Water (OI)	10.5	No	Days River
105	6229 - Mixed lowland shrub	31.4	No	Lowland shrub and mixed marsh grass.
403	3102 - Grass	3.9	No	Various grasses (cool/summer), bracken fern, st. john's wort. OI Stand Year Origin was
404	3303 - Mixed Low Density Trees	7.8	No	Mix of trees filling in an opening area.