



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32073

Entry Year 2021

Acreage: 1,925

County Marquette

Management Area: Ralph Ground Moraine

Revision Date: 2019-07-25

Stand Examiner: Peter Holodnick

Legal Description:

T43N R26W Sec's. 22-27, 34-36

Identified Planning Goals:

1913 GIS acres, 1887 ownership acres. Located about 13 miles south of Gwinn, this compartment contains a variety of timber types and is a very popular recreational area, primarily for ruffed grouse and whitetail deer. Topography is rolling upland interspersed with lowland conifer. Most of the upland contains aspen or northern hardwoods. The hardwood stands are mostly fair to good quality timber stands that have been treated in the past. There are a variety of age classes in the aspen stands with four stands scheduled for final harvest. The lowlands are primarily swamp conifers and fairly large cedar stands which are important deer yards. In addition to the aspen, two hardwood stands are scheduled for selective harvest. Management goals of the scheduled hardwood stands are to improve stem quality and diameter class distribution while maintaining species diversity, conifer content, and den trees. All harvest plans will also include considerations for conifer retention, coarse woody debris, and BMP's, with all hemlock, cedar, white pine or red pine to be retained. We will retain all species represented and all size classes including the large legacy trees. Special conservation area stands have been selected to protect and enhance the riparian values and wildlife travel corridors.

Soil and topography:

Terrain is flat to gently rolling; with soils ranging from mucks to well drained sands. Major soil associations include Carbondale and Tawas mucks, Kalkaska and Paquin sands, Mashek, and Channing, Emmet and Karlin sandy loams.

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

This compartment is entirely surrounded by State land.

Unique Natural Features:

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Special Conservation Area Stands: 4,11,12,13,16,28,36,37,42,43.

Watershed and Fisheries Considerations:

This compartment contains Lindsey Creek, the Little West Branch of the Escanaba River, in addition to the Main Branch of the Escanaba River. Lindsey Creek is designated a Type 1 trout stream less than 50' width and serves as a tributary to the Little West Branch of the Escanaba River. A 300' buffer is recommended for Lindsey Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices. A 300' buffer is recommended for the Little West Branch of the Escanaba River in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices. The Main Branch of the Escanaba River is designated a Type 1 trout stream greater than 50' width. 100' plus 5' per 1% increase in slope; buffers are recommended for the Main Branch of the Escanaba River to protect shoreline areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 073 is found within the Ralph Ground Moraine Management Area; on Ground Moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are: early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and

soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris; and deer wintering complexes.

The following have been identified as featured species for the Ralph Ground Moraine Management Area: American woodcock, black bear, Northern goshawk, ruffed grouse, and whitetail deer.

Mineral Resource and Development Concerns and/or Restrictions

Sections 22 - 24, T43N-R25W, Marquette County Surface sediments consist of an end moraine of medium-textured till, medium-textured till and peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. The Black River is quarried for stone in the UP and the PdC could be used for stone. Gravel pits are located in this area, and there could be potential on the upland areas. Abandoned iron mines are located twelve miles to the north. This area was not previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is very good from Little West Road, but limited to spring, summer, fall.

Survey Needs:

Recreational Facilities and Opportunities:

Recreational activity for this area is very popular for upland hunting of ruffed grouse, woodcock and whitetail deer.

Fire Protection:

This compartment has a low to medium risk for wildfire.

Additional Compartment Information:

¾ The following 5 reports from the Operations Inventory System (OIPC) are attached: ♦ Cover Type by Age Class ♦ Cover Type by Management Objective ♦ Compartment Volume Summary ♦ Proposed Treatments – No Limiting Factors ♦ Proposed Treatments – With Limiting Factors

¾ The following information is displayed, where pertinent, on the attached compartment maps: ♦ Base feature information, stand numbers, cover types ♦ Proposed treatments ♦ Proposed road access system ♦ Suggested potential old growth

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:

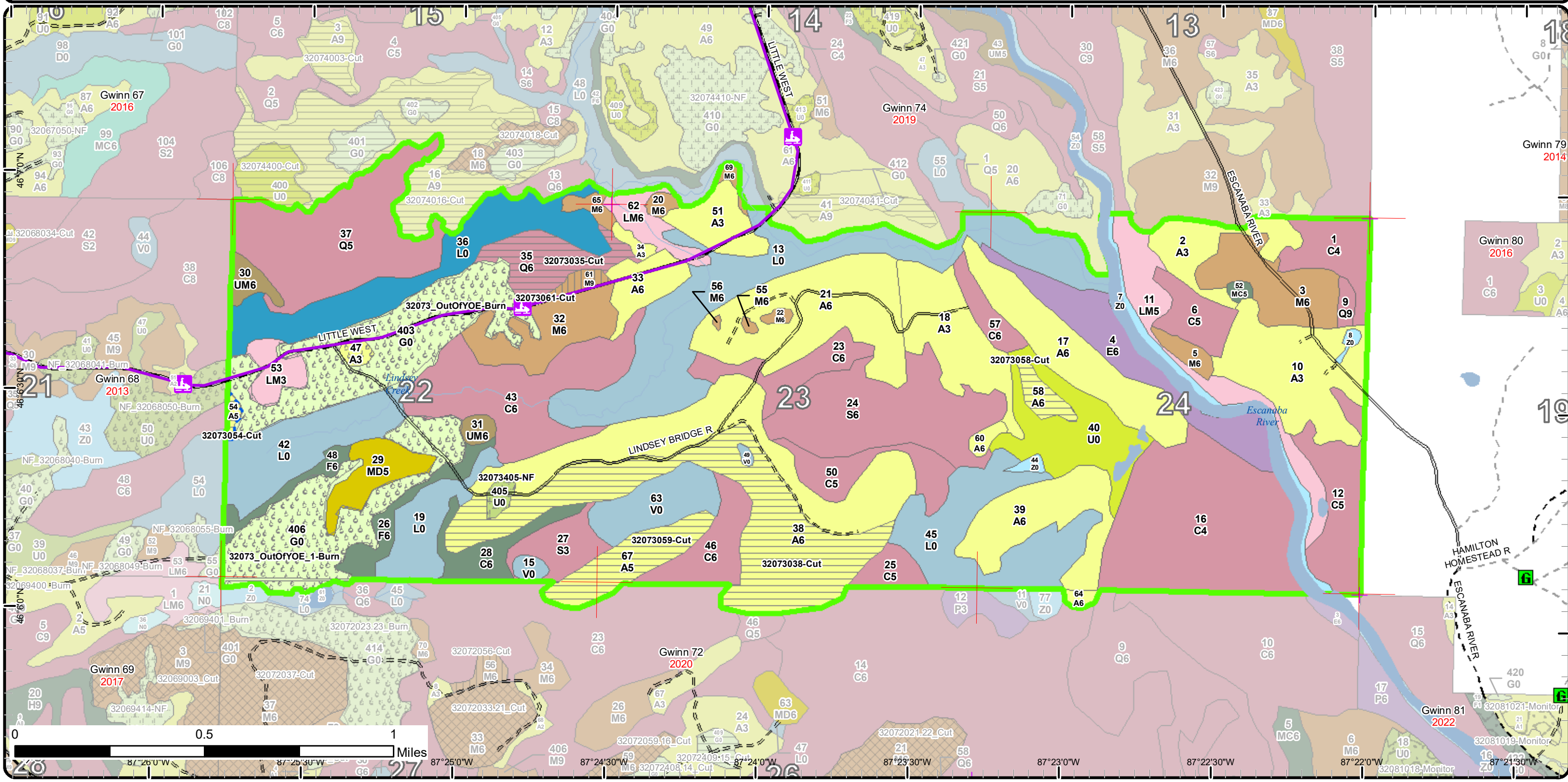
Base feature information, stand boundaries, cover types, and numbers
Proposed treatments
Site condition boundaries
Details on the road access system

Cover Type & Treatments Map

Compartment: 73
 T43N, R25W, Sec: 22, 23, 24
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Ralph Ground
 Moraine
 YOE: 2021
 Acres: 1,925 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/19/2019
 Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Prescribed Burn
- Shelter Wood (w/Reserves)
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- Lakes
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland



87°26'0"W 87°25'30"W 87°25'0"W 87°24'30"W 87°24'0"W 87°23'30"W 87°23'0"W 87°22'30"W 87°22'0"W 87°21'30"W

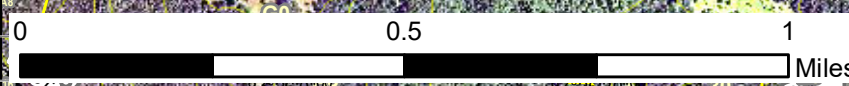
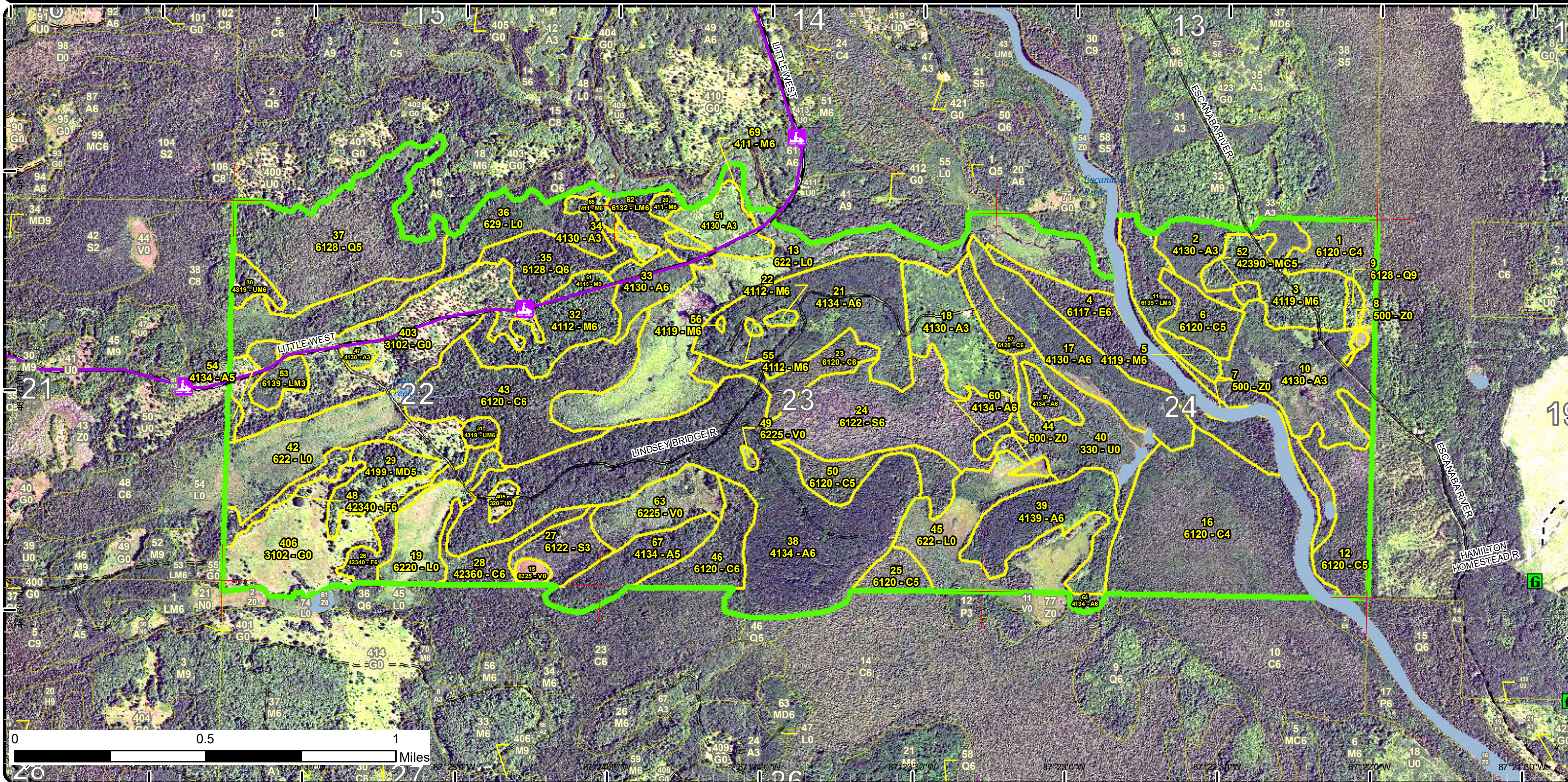
Stand Boundary Map

Compartment: 73
 T43N, R25W, Sec: 22, 23, 24
 County: Marquette
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 Mgmt Area: Ralph Ground
 Moraine
 YOE: 2021
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- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Primary Forest Road
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- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
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- Designated Snowmobile Trails
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- Lake/Pond
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- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

629 - Mixed non-forested wetland



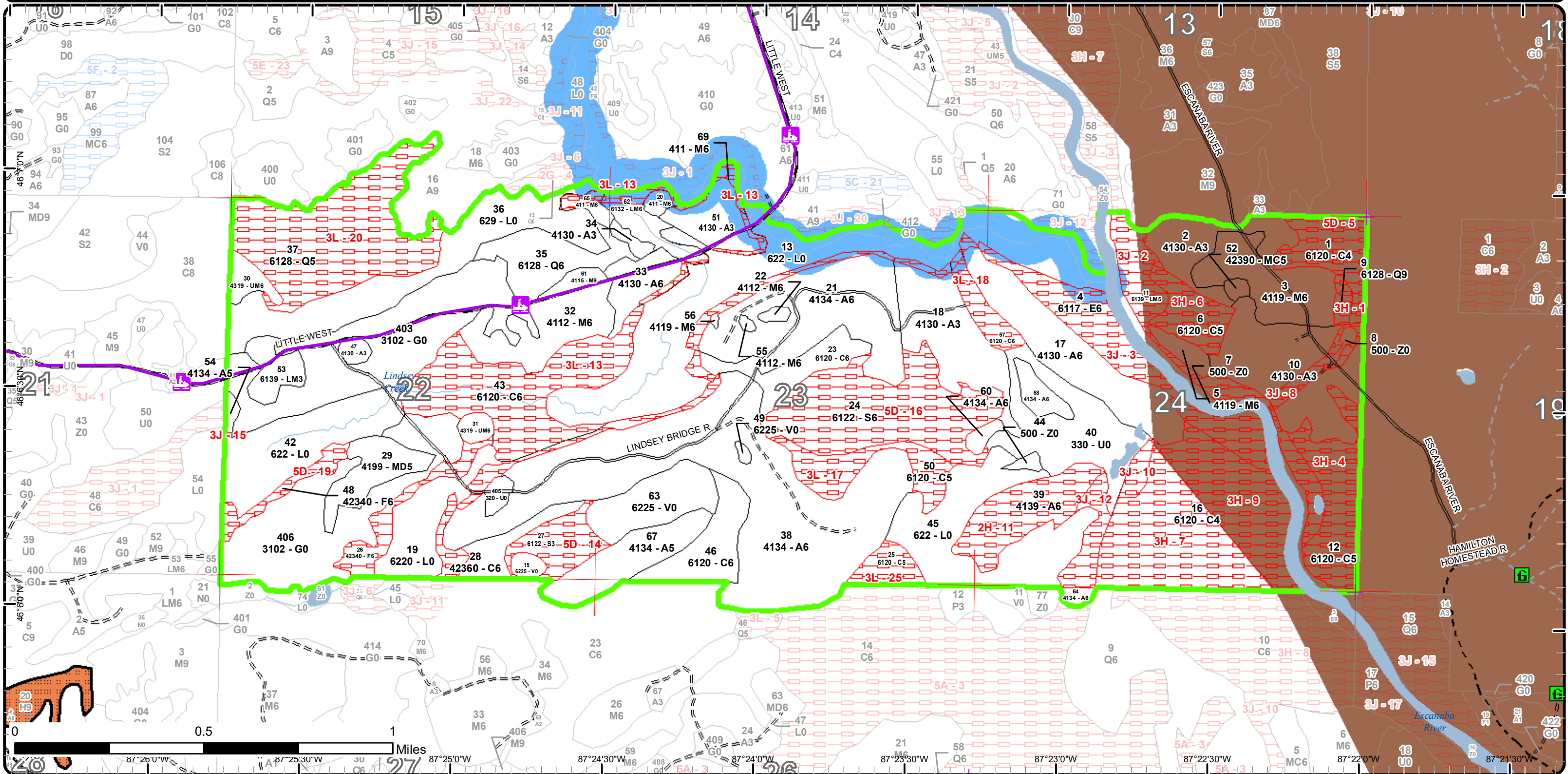
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Special Conservation Areas & Site Conditions Map

Compartment: 73
 T43N, R25W, Sec: 22, 23, 24
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- Snowmobile Trails
- Designated Snowmobile Trails
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Unavailable
- 3L 3L: Other wildlife concerns
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Deer Winter Range
- Other Habitat Area



Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit

Compartment 73

Year of Entry 2021

Peter Holodnick : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	66	24	197	0	256	0	0	0	9	0	0	0	0	0	0	0	0	552
Bog	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31
Cedar	0	0	0	0	0	0	0	0	0	240	17	23	35	0	0	0	42	0	357
Herbaceous Openland	149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	149
Low-Density Trees	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	3	25	0	85	0	0	0	0	112
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	44	0	0	0	0	0	0	0	44
Lowland Mixed Forest	0	0	12	0	0	0	0	0	0	32	0	13	0	0	0	0	0	0	57
Lowland Shrub	309	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	309
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	73	0	0	0	0	17	0	0	90
Mixed Upland Deciduous	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	18
Northern Hardwood	0	0	0	0	0	0	0	0	0	7	0	7	0	0	0	0	0	74	88
Upland Conifers	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	7	11
Upland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	23	0	0	0	0	0	0	0	0	23
Water	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
Total	569	66	36	197	0	275	2	0	4	311	20	185	35	85	0	17	42	81	1923



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2021

Acres of Harvest

Compartment 73

Total Compartment Acres: 1,925

Commercial Harvest - 169
 Harvests with Site Condition - 2
 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	141	0	0	0	0	0	0	0	0	141
Lowland Conifers	25	0	0	0	0	0	0	0	0	25
Northern Hardwood	0	0	0	0	4	0	0	0	0	4
Total	166	0	0	0	4	0	0	0	0	171

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	171	0	0	0	146	0	0	0	4	320
Next Step	0	0	0	0	0	0	316	0	7	324
Total	171	0	0	0	146	0	316	0	11	644



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
406	32073_OutOfY OE_1-Burn	60.3	3102 - Grass	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription This area has a history of openings management. Work with FMD Fire Specialist on burn plan.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable

Regen:

Other This large opening is in close proximity to approved prescribed burn prescriptions in an adjacent compartment. Old next step comments: Monitor results and level of success.

Proposed Start Date: 4 /8 /2015

403	32073_OutOfY OE-Burn	82.0	3102 - Grass	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription This area has a history of openings management. Work with FMD Fire Specialist on burn plan.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable

Regen:

Other This large opening is part of a stand in a adjacent compartment that has an approved prescribed burn treatment. Old next step comments: Monitor results and level of success.

Proposed Start Date: 4 /8 /2015

35	32073035-Cut	25.1	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	106	51-80	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all but hemlock, Cedar, yellow birch, Black Cherry, and White Pine. Leave 3-10% retention in cedar pockets.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any tree species currently in the overstory will be acceptable.

Regen:

Other Significant acreage may have to get cut off because of cedar pockets.

Comment:

Proposed Start Date: 10/1 /2020

38	32073038-Cut	105.2	4134 - Aspen, Spruce/Fir	Poletimber Well	46	51-80	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except Hemlock, Cedar, Yellow Birch and Black Cherry. Leave 3-10% retention. Cut in the summer or winter.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any tree species currently in the overstory would be acceptable.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2020



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
54	32073054-Cut	2.1	4134 - Aspen, Spruce/Fir	Poletimber Medium	81	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition: BMPs								
<u>Prescription</u> Cut all but Hemlock, Cedar, and Black Cherry, and Black Ash. Cut in the winter only due to some wet ground. no retention due to small size.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any tree species currently in the overstory will be acceptable.											
<u>Regen:</u>											
<u>Other</u>											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
58	32073058-Cut	7.2	4134 - Aspen, Spruce/Fir	Poletimber Well	84	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees but Hemlock, Cedar and Black Cherry. No retention due to small size. Winter cut only. This stand will to be cut in a cold winter.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any tree species currently in the overstory will be acceptable.											
<u>Regen:</u>											
<u>Other</u> A winter road will need to be frozen in through the tag alder.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
67	32073059-Cut	26.7	4134 - Aspen, Spruce/Fir	Poletimber Medium	45	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Cut all trees except Hemlock, Cedar, Yellow Birch and Black Cherry. Leave 3-10% retention. Retention should include some large aspen. Cut in the winter.											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any tree species currently in the overstory would be acceptable.											
<u>Regen:</u>											
<u>Other</u> Large aspen is good for cavity nesters and raptors.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											
61	32073061-Cut	4.4	4115 - Y.Birch, Hemlock NH	Sawtimber Well	85	81-110	Harvest	Shelterwood	411 - Northern Hardwood	Even-Aged	Proposal
Habitat Cut: No			Site Condition:								
<u>Prescription</u> Mark to 40-60 BA of Timber. Focus your cut tree mark on the poor quality Red Maple. Favor yellow birch to keep and only mark it for operability. No cut cedar and Hemlock. No retention needed due to small size											
<u>Specs:</u>											
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)											
<u>Treatments:</u>											
<u>Acceptable</u> Any tree species currently in the overstory would be acceptable.											
<u>Regen:</u>											
<u>Other</u> This stand is not the best quality.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2020											



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
406	32073068.24_Burn	3.4	3102 - Grass	Nonstocked		Unspecified	Burn	Opening	310 - Herbaceous Openland		Approved Proposal

Habitat Cut: No**Site Condition:**

Prescription This area has a history of openings management. Work with FMD Fire Specialist on burn plan.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable

Regen:

Other This opening is part of larger stand in adjacent compartment that is being prescribed for a burn. Old next step comments: Monitor results and level of success.

Proposed Start Date: 4 /8 /2015

405	32073405-NF	3.6	320 - Upland Shrub	Nonstocked		Unspecified	NonForestMgt	Other - Specify	3102 - Grass		Approved Proposal
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Habitat Cut: No**Site Condition:**

Prescription Plant scattered native/non-GMO mast producing trees/shrubs as appropriate and cover crops in herbaceous openings according to local site conditions to promote forage for specified wildlife species. Hand/mechanical removal of brush/vegetation from the opening will be used to maintain the openings and hunter walking trails--current and future; disking, mowing, cultipacking, pesticide application may be used as necessary to accomplish wildlife goals. Partial completion reports will be completed annually for the duration this FTP is valid, describing completed work.

Next Step NonForestMgt, Other - Specify; NonForestMgt, Other - Specify

Treatments:

Acceptable Site to be maintained as opening.

Regen:

Other Site to be maintained as opening. If adjacent stands are to be harvested, please consult with Wildlife Technician Caleb Eckloff for practices to maintain the opening. Examples include roller-chopping, herbicide, minimum harvest spec., etc. to clear encroaching vegetation.

Proposed Start Date: 10/1 /2010

**Total Treatment
Acreage Proposed: 320.0**

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 73

Year of Entry: 2021

Availability for Management

Total Acres	Acres Available	Acres Avail <i>With Condition</i>		Acres Not Available		Dominant Site Conditions				
						2H	3H	3J	3L	5D
553	481	0	72		Aspen	31		18	23	
31	31	0	0		Bog					
357	55	0	303		Cedar		159	4	116	23
149	149	0	0		Herbaceous Openland			0		
43	43	0	0		Low-Density Trees					
113	25	0	88		Lowland Conifers		3		85	
44	0	0	44		Lowland Deciduous			44		
56	19	0	37		Lowland Mixed Forest			32	5	
309	309	0	0		Lowland Shrub			0	0	
90	0	0	90		Lowland Spruce/Fir					90
19	19	0	0		Mixed Upland Deciduous					
88	83	0	5		Northern Hardwood				5	
2	2	0	0		Upland Conifers					
11	11	0	0		Upland Mixed Forest					
4	4	0	0		Upland Shrub					
23	0	0	23		Upland Spruce/Fir				14	9
33	33	0	0		Water					
1,925	1,263		662		Total Forested Acres	31	163	99	248	122
	66%		34%		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	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

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2	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	32	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	44	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	5D: Unproductive Forest Land	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	61	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Near obligate deer yard and on purchased lands.							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 73

Year of Entry: 2021

8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	47	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	31	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3L: Other wildlife concerns	120	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Comments suggest holding for WLD reasons.							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 73

Year of Entry: 2021

14	Unavailable	5D: Unproductive Forest Land	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5D: Unproductive Forest Land	73	Unspecified	Unspecified	Unspecified	Unspecified
Comments: wait until the spruce gets a little bigger to cut.							
17	Unavailable	3L: Other wildlife concerns	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is all state game fund land. No cutting Cedar.							
18	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is all state game fund land. No cut Cedar.							
19	Unavailable	5D: Unproductive Forest Land	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Wait until the trees get a little bigger before harvesting							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 73

Year of Entry: 2021

20	Unavailable	3L: Other wildlife concerns	85	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
<p>Comments: There is lots of Cedar that would need to be operated around. Also the remaining trees could be a little bit bigger before cutting.</p>							
25	Unavailable	3L: Other wildlife concerns	10	Unspecified	Unspecified	Unspecified	Unspecified
<p>Comments: All state Game fund. No cut cedar</p>							

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
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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	6120 - Lowland Cedar	Poletimber Poor	22.8	101	1-50	N/A	Sparse cedar and fir with a few hemlock on the upland edge. Understory consists of small swamp conifers and tag alder.
2	4130 - Aspen	Sapling Well	23.9	16	Immature	N/A	Cut by St. John under permit # 024-01-01
3	4119 - Mixed Northern Hardwoods	Poletimber Well	33.8	85	81-110	N/A	Mostly evenaged hardwoods with large sugar maple and basswood remnants. Occasional cherry and large aspen. Scattered large hemlock. West of the road the hardwoods are of better quality with a larger average diameter. Vernal ponds are located on both sides of the road. Harvest plans will protect the vernal ponds, and retain most of the large remnants and scattered large aspen. Last treatment was in 1991. Former stand 8 was also combined into this stand. 2012- Treated by Roy Nelson Jr. under contract # 017-11-01 September of 2012.
4	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	43.6	103	111-140	N/A	SCA Mature aspen, Balm, and balsam fir, white birch. Formerly designated as potential old growth, retain this stand as a special conservation area to protect the riparian values along the Escanaba River.
5	4119 - Mixed Northern Hardwoods	Poletimber Well	5.5	85	81-110	N/A	Small isolated "island" of hard and soft maple last treated in 1991. Stream Buffer for the Escanaba River.
6	6120 - Lowland Cedar	Poletimber Medium	17.0	91	201+	N/A	This stand could easily go between a Q5 and E5. Low, wet with cedar, aspen, and white birch.
7	500 - Water	Nonstocked	29.5		Unspecified	No	OPIC - FMD: Escanaba River.
8	500 - Water	Nonstocked	1.4		Unspecified	No	OPIC - FMD: Old beaver flooding.
9	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	3.4	96	171-200	N/A	Large hemlock with associated red maple and yellow birch. Stand degrades down to swamp conifers.
10	4130 - Aspen	Sapling Well	57.6	27	Immature	N/A	Treated under permit # 35-91-1. Mostly well stocked seedlings with a few sparser areas in the wetter soils.
11	6139 - Mixed Lowland Forest	Poletimber Medium	32.0	81	81-110	N/A	SCA Aspen, black ash, white birch, and mixed conifers with tag alder along the Escanaba River. Retain as an SCA to protect the riparian zone along the river.
12	6120 - Lowland Cedar	Poletimber Medium	34.9	110	1-50	N/A	Fair quality cedar stand with sparse areas of tag alder. Formerly designated as potential old growth, retain as a special conservation area to protect the riparian values along the Escanaba River and serve as deer yarding area.
13	622 - Lowland Shrub	Nonstocked	115.9		Unspecified	No	SCA Retain as a special conservation area to protect the riparian values along the stream. This stand sees repeated beaver activity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
15	6225 - Bog	Nonstocked	3.3		Unspecified	No	OPIC - FMD: Small bog.
16	6120 - Lowland Cedar	Poletimber Poor	112.0	89	141-170	N/A	SCA Sparse cedar over tag alder. Retain as deer yard and riparian protection along the Escanaba River.
17	4130 - Aspen	Poletimber Well	48.9	27	Immature	N/A	1-3" aspen saplings 20-30' tall over small fir.
18	4130 - Aspen	Sapling Well	41.7	6	Immature	N/A	OPIC - FMD: Mature aspen and fir with a higher concentration of aspen north of the road. South of the road is a mix of soft aspen, fir, and soft maple. Good hardwood regeneration in pockets. Occasional upland cedar. 2013-Sale cut by K & K under contract # 012-11-01 fall and winter of 2012-13 retaining large diameter hardwoods.
19	6220 - Alder/willow	Nonstocked	25.6		Unspecified	No	
20	411 - Northern Hardwood	Poletimber Well	2.8	106	51-80	N/A	Mainly red maple.
21	4134 - Aspen, Spruce/Fir	Poletimber Well	74.5	27	111-140	N/A	2"4" aspen saplings over small fir.
22	4112 - Maple, Beech, Cherry Association	Poletimber Well	1.7	85	81-110	N/A	Former stand 59, most of the stand was clearcut in 1992 with stand 21. Now it consists of 3 small hardwood islands of hard maple poles which include stands 21, 55, and 56.
23	6120 - Lowland Cedar	Poletimber Well	20.7	89	51-80	N/A	Wet swamp conifers.
24	6122 - Black Spruce	Poletimber Well	72.9	103	51-80	N/A	Black spruce with swamp conifers and scattered tamarack.
25	6120 - Lowland Cedar	Poletimber Medium	9.9	159	51-80	N/A	Wet swamp conifers.
26	42340 - Upland Spruce/Fir	Poletimber Well	14.4	83	111-140	N/A	Narrow strip of spruce and fir between the tag alder and grass opening. Stream buffer
27	6122 - Black Spruce	Sapling Well	17.3	141	Unspecified	N/A	OI Stand Year Origin was 1878
28	42360 - Upland Cedar	Poletimber Well	17.2	89	81-110	N/A	Good quality cedar stand. Retain for the deer.
29	4199 - Other Mixed Upland Deciduous	Poletimber Medium	18.5	46	51-80	N/A	OPIC - FMD: A4M4 aspen or hardwood, this stand can go either way. The stand is made of a mix of 6"-10" aspen clones, open grown 5" soft maple stump sprouts, and small openings of raspberry.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
30	4319 - Mixed Upland Forest	Poletimber Well	6.8	85	51-80	N/A	Currently the stand consists of red maple poles over F3. Originally it was a fir and white birch stand with the fir killed by budworm. The bigger fir is dead and down, with the stand slowly converting to fir. Long term M:O will be for fir.
31	4319 - Mixed Upland Forest	Poletimber Well	4.0	74	51-80	N/A	Former F stand, most of the fir is dead and down except along the edge. Understory is a mix of fir and soft maple saplings.
32	4112 - Maple, Beech, Cherry Association	Poletimber Well	31.9	85	51-80	N/A	Fair quality even-aged mixed hardwood pole stand, this stand is now combined with old stand 69. Last treated in 1991. 2013- Stand harvested by K & K under contract # 010-11-01.
33	4130 - Aspen	Poletimber Well	16.3	27	Immature	N/A	2"-4" well stocked aspen saplings.
34	4130 - Aspen	Sapling Well	2.9	6	Immature	N/A	Narrow finger ridge of aspen and fir jutting into swamp conifers. 2013- Stand harvested by K & K under contract # 010-11-01.
35	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	25.2	106	51-80	N/A	Swamp conifers with soft maple and balm.
36	629 - Mixed non-forested wetland	Nonstocked	62.9		Unspecified	No	Mostly tag alder.
37	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	84.5	122	51-80	N/A	SCA C4Q2- Poor quality cedar with a few swamp conifers. Former potential old growth, retain as deer yarding area.
38	4134 - Aspen, Spruce/Fir	Poletimber Well	181.8	46	51-80	N/A	
39	4139 - Aspen, Mixed Deciduous	Poletimber Well	42.2	46	111-140	N/A	
40	330 - Low-Density Trees	Nonstocked	43.1		Unspecified	No	tag alder with small swamp conifers and willow.
42	622 - Lowland Shrub	Nonstocked	45.0	61	Unspecified	No	Old wildlife flooding mostly non stocked except for willow and marsh grass, some tag alder. Retain as a special conservation area to protect the riparian values along the stream. This stand sees repeated beaver activity.
43	6120 - Lowland Cedar	Poletimber Well	66.6	89	81-110	N/A	SCA formerly designated as potential old growth. Good quality cedar stand. Retain as deer yard and to protect the riparian values along the stream.
44	500 - Water	Nonstocked	1.9		Unspecified	No	Beaver flooding



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
45	622 - Lowland Shrub	Nonstocked	59.5		Unspecified	No	Former large beaver flooding, now mostly marsh grass.
46	6120 - Lowland Cedar	Poletimber Well	23.5	89	81-110	N/A	Part of a large wetland complex. Cedar, fir, occasional aspen and soft maple.
47	4130 - Aspen	Sapling Well	3.1	6	Immature	N/A	Very small aspen with red maple stand within a large grass opening. Occasional cherry. 2013- Stand harvested by K & K under contract # 010-11-01.
48	42340 - Upland Spruce/Fir	Poletimber Well	8.8	83	51-80	N/A	Narrow strip of spruce and fir between the tag alder and grass opening.
49	6225 - Bog	Nonstocked	1.0		Unspecified	No	Small bog.
50	6120 - Lowland Cedar	Poletimber Medium	22.3	159	51-80	N/A	OPIC - FMD: Wet swamp conifers.
51	4130 - Aspen	Sapling Well	18.7	6	Immature	N/A	Scattered cherry retained. Stand harvested 2013 under contract #32-010-11-01. Looks like excellent ruffed grouse habitat.
52	42390 - Mixed Non-Pine Upland Conifers	Poletimber Medium	2.0	55	111-140	N/A	Small unique of pocket of almost pure tamarack. Cut next entry with maple stand 3.
53	6139 - Mixed Lowland Forest	Sapling Well	11.5	16	1-50	N/A	Cut by LaFluer Forest Products under permit # 023-01-01
54	4134 - Aspen, Spruce/Fir	Poletimber Medium	2.1	81	81-110	N/A	Former stand 55. Large aspen with fir, soft maple and an occasional white spruce and white birch.
55	4112 - Maple, Beech, Cherry Association	Poletimber Well	0.8	85	111-140	N/A	Most of the stand was clearcut in 1992 with stand 21. Now it consists of 3 small hardwood islands of hard maple poles which include stands 21, 55, and 56.
56	4119 - Mixed Northern Hardwoods	Poletimber Well	0.4	85	81-110	N/A	Most of the stand was clearcut in 1992 with stand 21. Now it consists of 3 small hardwood islands of hard maple poles which include stands 21, 55, and 56.
57	6120 - Lowland Cedar	Poletimber Well	10.3	159	51-80	N/A	OPIC - FMD: Wet swamp conifers.
58	4134 - Aspen, Spruce/Fir	Poletimber Well	7.2	84	111-140	N/A	Small island of aspen and fir surrounded by tag alder. winter access
60	4134 - Aspen, Spruce/Fir	Poletimber Well	3.1	46	51-80	N/A	OPIC - FMD: 3-4 stick aspen poles over fir saplings. The stand has just transitioned to A6.
61	4115 - Y.Birch, Hemlock NH	Sawtimber Well	4.4	85	81-110	N/A	M4M3.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
62	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	12.9	106	51-80	N/A	Swamp conifers with soft maple and balm.
63	6225 - Bog	Nonstocked	26.4		Unspecified	No	Old beaver flooding.
64	4134 - Aspen, Spruce/Fir	Poletimber Well	2.3	46	1-50	N/A	OPIC - FMD: S.25 NWNW. STAND WAS CLEARCUT IN 1973 UNDER PERMIT 7-71A , A4 NOW WITH SOME POLE SIZED FIR AND BLACK CHERRY ALSO.
65	411 - Northern Hardwood	Poletimber Well	4.5	106	81-110	N/A	stream buffer
67	4134 - Aspen, Spruce/Fir	Poletimber Medium	26.8	45	111-140	N/A	S.27 NENE. A5F4, CLEARCUT IN 1974.
69	411 - Northern Hardwood	Poletimber Well	2.6	87	51-80	N/A	
403	3102 - Grass	Nonstocked	81.7		Unspecified	No	Former stand 413. Very large grass opening filling in with cherry brush. Converting to a U type.
405	320 - Upland Shrub	Nonstocked	3.6		Unspecified	Managed Opening	1981 Small grass opening.
406	3102 - Grass	Nonstocked	67.4		Unspecified	No	OPIC - FMD: Former stand 414. Very large grass opening with scattered cherry brush. FORMER SHARPTAIL OPENING. PREVIOUS COMMENTS AS FOLLOWS: SHARPTAIL OPENING- SCHEDULED TO BE BURNED IN 1979 AND AGAIN IN 1985 15 AC IN SW CORNER TO BE REDISCED AND SEEDED 1980 & 81