



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32072

Entry Year 2020

Acreage: 1,972

County Marquette

Management Area: Ralph Ground Moraine

Revision Date: 2018-08-06

Stand Examiner: Peter Holodnick

Legal Description:

T43N R25W, Sections 25, 26, 27

Identified Planning Goals:

Strive to perpetuate the component of aspen, mixed conifer swamp types, and dry mesic conifers where they now occur.

Soil and topography:

Ranges from level swamps and wetland drainages to upland ridges

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

Surrounded by State land with similar cover type

Unique Natural Features:

Escanaba River runs through NE corner of Sec 25

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Potential old growth stands 1, 3, 3 10, 48.

Watershed and Fisheries Considerations:

The northwest region of this compartment contains Lindsey Creek which serves as a tributary to the Main Branch of the Escanaba River. Lindsey Creek is a designated Type 1 trout stream less than 50' width. 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 (specifically stand 414*[72023.23 Burn]).

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

Wildlife Habitat Considerations:

Compartment 072 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

Section 25-27, T43N-R25W, Marquette County: Surface sediments consist of medium- textured till. 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:

Good into section 27 via Watson Cutoff Road and Little West Road, poor into section 26, 25, via two track roads.

Survey Needs:

None

Recreational Facilities and Opportunities:

Hunting, fishing, trapping, ORV, and snowmobile trail riding.

Fire Protection:

With the Gwinn management area of fire protection.

Additional Compartment Information:

The following reports from the Inventory are attached:

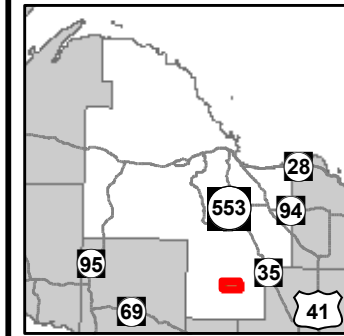
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

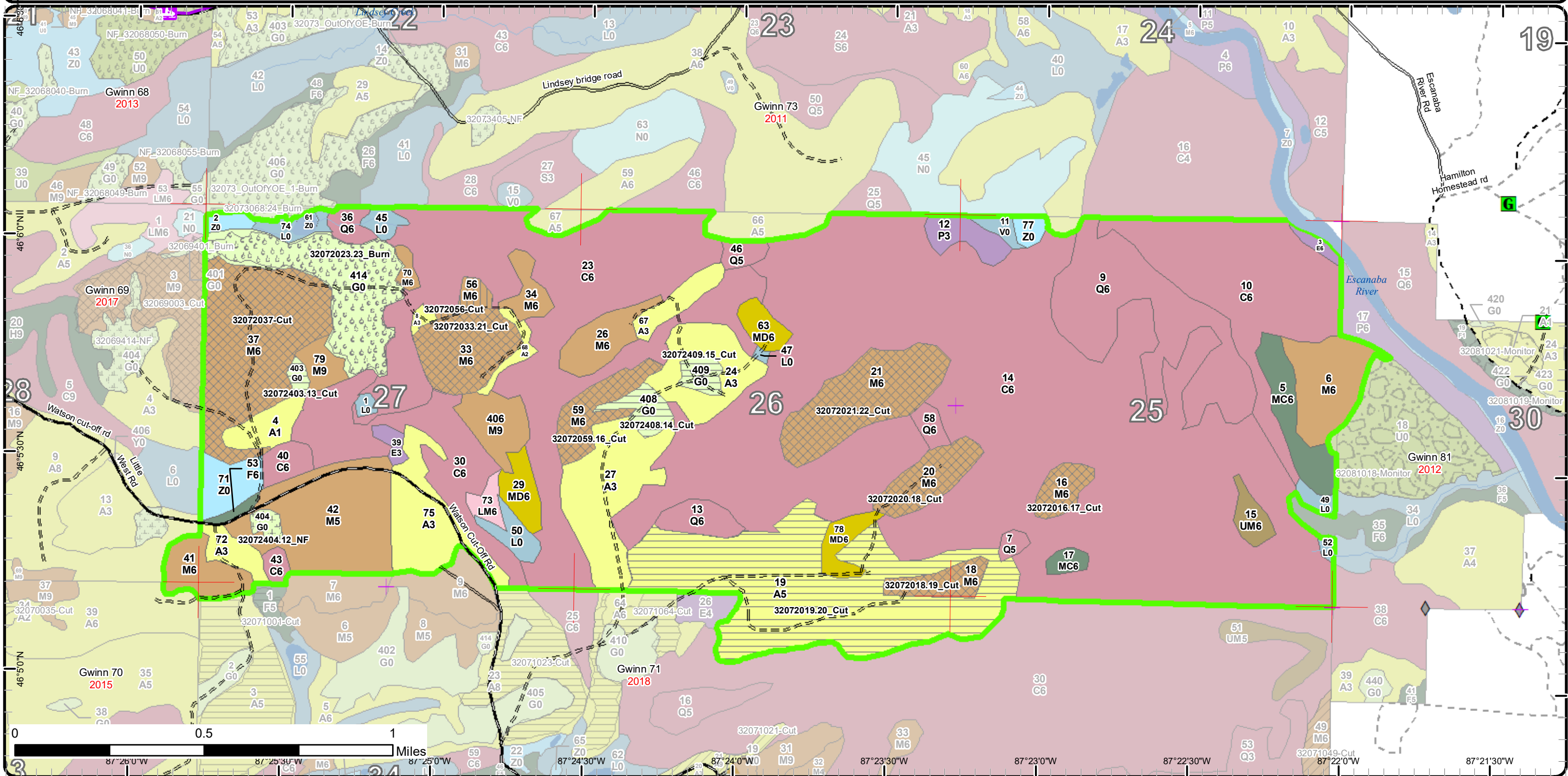
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 72
 T43N, R25W, Sec: 25, 26, 27
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Ralph Ground
 Moraine
 YOE: 2020
 Acres: 1,972 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/13/2018
 Map Phase: Web-Post

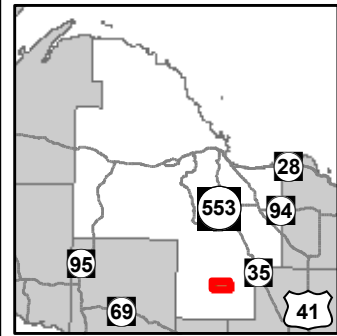


- | | | |
|--|----------------------------------|-----------------------------------|
| — Miris Corners | — Lake/Pond | ■ 612 - Lowland Coniferous Forest |
| ✚ Remonumented Section Corners | — Perennial River | ■ 613 - Lowland Mixed Forest |
| ◆ Field Grade Corners | — Lakes and Rivers All | ■ 310 - Herbaceous Openland |
| ▭ Counties | ▭ Compartment Boundary | ■ 500 - Water |
| — DNR - Primary Forest Road | ▭ Other Treatment - See Comments | ■ 622 - Lowland Shrub |
| — DNR - Secondary Forest Road | ▭ Selection (Group, Single Tree) | ■ Lakes |
| — DNR - Forest Access Route | ▭ Clearcut (w/Reserves) | |
| — Federal / State - Dirt / Gravel Road | ▭ Prescribed Burn | |
| — Private - Paved Road | ▭ Shelter Wood (w/Reserves) | |
| — Private - Dirt / Gravel Road | ■ 411 - Northern Hardwood | |
| 🚙 Snowmobile Trails | ■ 413 - Aspen | |
| ▲ Berms | ■ 419 - Mixed Upland Deciduous | |
| ⬢ Gate | ■ 423 - Other Upland Conifers | |
| | ■ 430 - Upland Mixed Forest | |
| | ■ 611 - Lowland Deciduous Forest | |



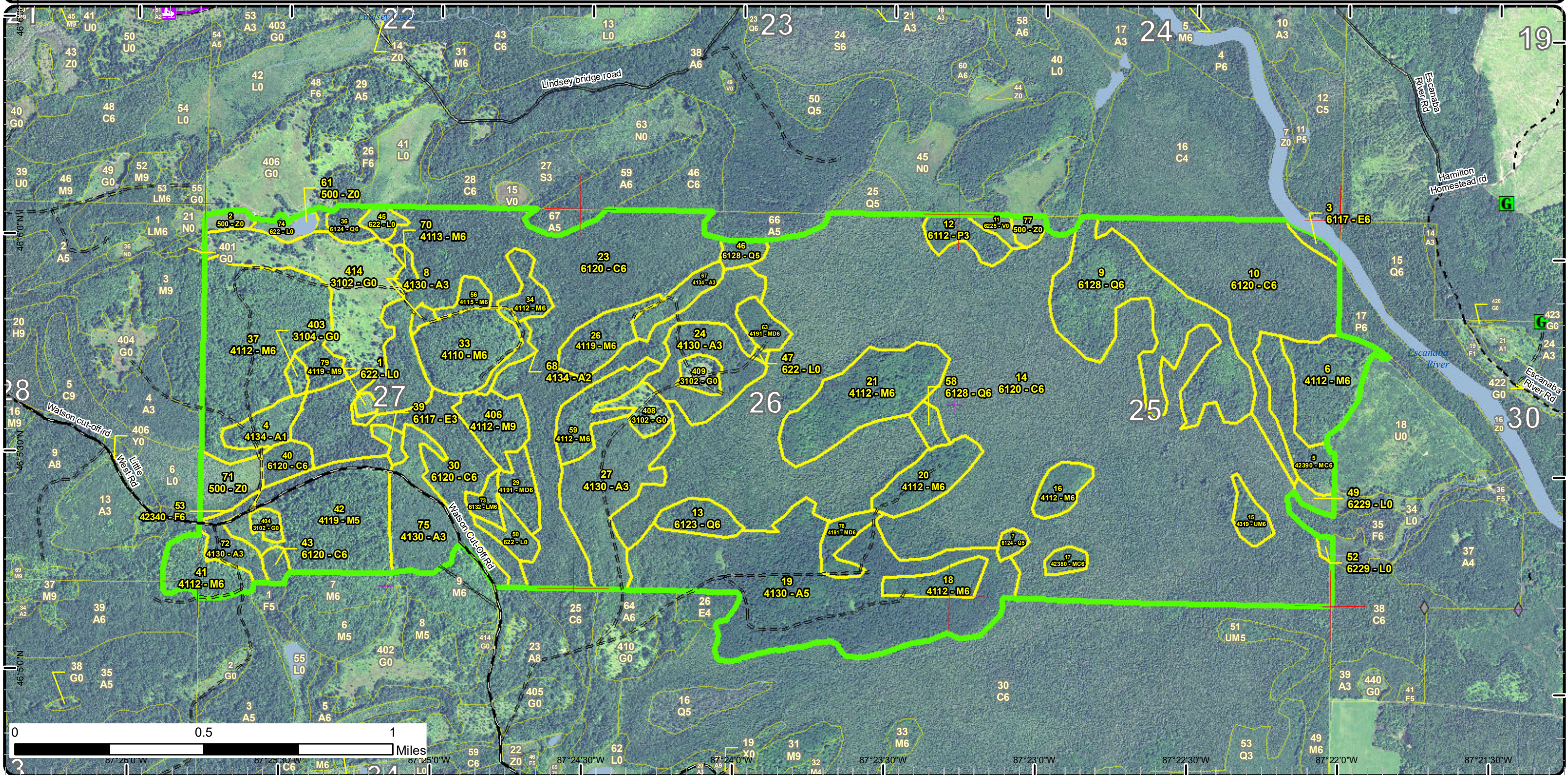
Stand Boundary Map

Compartment: 72
 T43N, R25W, Sec: 25, 26, 27
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Ralph Ground
 Moraine
 YOE: 2020
 Acres: 1,972 GIS Calculated
 Examiner: Peter Holodnick
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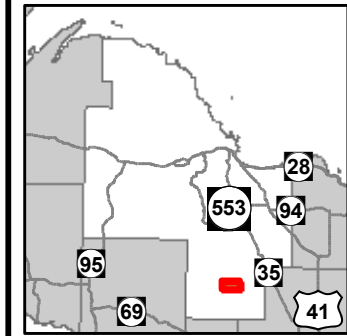
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- 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
- 500 - Water

622 - Lowland Shrub

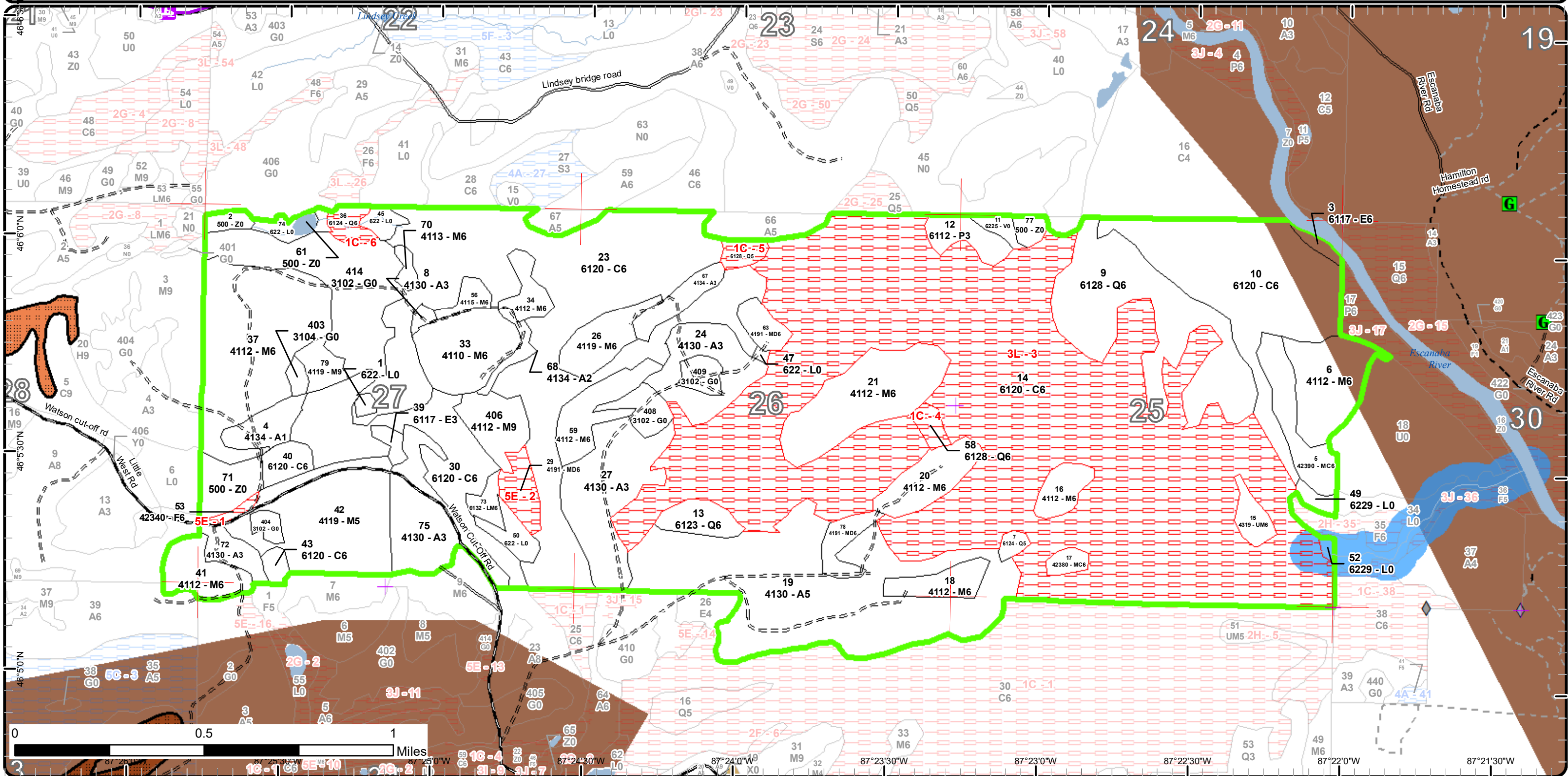


Special Conservation Areas & Site Conditions Map

Compartment: 72
 T43N, R25W, Sec: 25, 26, 27
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Ralph Ground
 Moraine
 YOE: 2020
 Acres: 1,972 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 8/13/2018
 Map Phase: Web-Post



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- Private - Paved Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- ▲ Berms
- G Gate
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Unavailable
- 1C: Other dept or div proc/practices
- 3L: Other wildlife concerns
- 5E: Long-Term Retention
- Stand Boundaries
- 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 72

Year of Entry 2020

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	11	43	83	9	147	0	0	0	0	0	0	0	0	0	0	0	0	293
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	4	209	153	0	0	0	8	616	0	990
Herbaceous Openland	76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	76
Lowland Aspen/Balsam Poplar	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Conifers	0	0	0	0	0	3	0	0	10	10	0	6	0	0	0	0	0	80	109
Lowland Deciduous	0	0	0	0	0	0	3	0	3	0	0	0	0	0	0	0	0	0	6
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Lowland Shrub	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
Mixed Upland Deciduous	0	0	0	8	0	0	0	0	0	10	0	0	0	0	0	0	0	9	27
Northern Hardwood	0	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0	314	373
Upland Conifers	0	0	0	0	0	0	0	0	0	20	0	4	0	0	0	0	0	0	24
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Upland Spruce/Fir	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2
Water	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Total	127	11	43	91	9	161	3	0	74	31	234	159	4	0	0	8	616	403	1974



Report 2 – Treatment Summary

Gwinn Mgt. Unit

Compartment 72

Year of Entry: 2020

Acres of Harvest

Total Compartment Acres: 1,972

Commercial Harvest - 379
 Harvests with Site Condition - 0
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	147	0	0	0	0	0	0	0	0	147
Herbaceous Openland	17	0	0	0	0	0	0	0	0	17
Northern Hardwood	0	210	0	0	5	0	0	0	0	215
Total	164	210	0	0	5	0	0	0	0	379

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	379	0	0	0	50	0	0	0	4	433
Next Step	0	0	0	0	0	0	429	0	0	429
Total	379	0	0	0	50	0	429	0	4	862



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
16	32072016.17_ Cut	9.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	171- 200	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven- Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock and favor Black Cherry to keep. Some but very few cedar may need to get cut for operability on the small skid road out to this stand. Other than that road no cedar should be cut off this stand. This stand is winter cut only because of wet access road. Mark a 14' swath of Cedar on the existing skid trail for access to this stand.

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

Acceptable Any tree species currently in the overstory
Regen:

Other . Wildlife - Minimize the harvest of cedar for road work by having the forester mark the road route – Game Fund Purchased
Comment:

Proposed Start Date: 10/01/2019

18	32072018.19_ Cut	11.4	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	111- 140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven- Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock and Cedar. Favor Black Cherry and Yellow Birch to keep in the stand. Retention should include a few large aspen.

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

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

Other This stand has many trees in the 16-18" DBH class. Remove some of the larger trees in order to open up the canopy and get a more diverse age class.
Comment:

Wildlife - Favor Yellow Birch (5%) seed production and cavity nesters – Game Fund Purchased

Proposed Start Date: 10/01/2019

19	32072019.20_ Cut	146.6	4130 - Aspen	Poletimber Medium	46	141- 170	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees except Cedar/Hemlock. Leave 3-10% patch retention in the stand.
Specs:

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

Acceptable Any tree species currently in the Overstory.
Regen:

Other Wildlife - Retention should also include some larger Aspen look for trees with forked crown for raptor nesting sites – Northern Goshawk –State
Comment: Game Fund Purchased

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
20	32072020.18_Cut	18.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock and Black Cherry. Some but very few cedar may need to get cut to make a skid road out to this stand. Charge double stumpage for Cedar. Other than the access route no other Cedar should be cut. Favor Yellow Birch to keep in the stand. This stand is winter cut only due to wet access route.

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

Acceptable Any species currently in the overstory is acceptable.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2019

21	32072021.22_Cut	45.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock. Favor Black Cherry and Yellow Birch to keep. Some but very few cedar may need to get cut to make a skid road out to this stand. Charge double stumpage for Cedar. Other than the access route no other Cedar should be cut. This stand should be cut in a winter because of wet access road.

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

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

Regen:

Other

Comment: Wildlife - Retain Yellow Birch (5%) seed production and cavity nesters. Could we double the stumpage price on cedar? – Game Fund Purchased

Proposed Start Date: 10/01/2019

23	32072023.23_Burn	50.2	6120 - Lowland Cedar	Poletimber Well	96	81-110	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 opening is a large stand that is in close proximity to approved prescribed burns in an adjacent compartment. Old next step comments:

Comment: Monitor results and level of success.

Proposed Start Date: 04/08/2015

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
33 32072033.21_Cut	29.3	4110 - Sugar Maple Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, and Black Cherry. Favor Yellow Birch to keep in the stand. This will need to be cut in a dry summer or winter because of wet access road.

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Any tree species currently in the overstory

Regen:

Other There is smashed culvert that will need to be replaced in order to get the wood out. This stand has many trees in the 16-18" DBH class.

Comment: Remove some of the larger trees in order to open up the canopy and get a more diverse age class. The Basal area is not that high and there may be some walk through areas.

Wildlife - Retain Black Cherry (5%) for mast production – black bear; and favor Yellow Birch (5%) seed production and cavity nesters – Game Fund Purchased

Proposed Start Date: 10/01/2019

37 32072037-Cut	76.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, Black Cherry and Yellow Birch. Favor Basswood to keep. This will need to be cut in a winter because of wet access road.

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

Acceptable Any species currently in the overstory would be acceptable.

Regen:

Other This stand has many trees in the 16-18" DBH class. Remove some of the larger trees in order to open up the canopy and get a more diverse

Comment: age class. The basal area is not that high and there may be some walk through areas.

Wildlife - Retain Black Cherry (5%) for mast production – black bear. Favor Basswood (5%) white-tailed deer, pileated woodpecker and black bear and Retain Yellow Birch (5%) seed production and cavity nesters– Game Fund Purchased

Proposed Start Date: 10/01/2019

56 32072056-Cut	5.0	4115 - Y.Birch, Hemlock NH	Poletimber Well	85	111-140	Harvest	Shelterwood	411 - Northern Hardwood	Uneven-Aged	Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut to between 40-60 BA. No cut Hemlock/Cedar. Favor Black Cherry, Yellow Birch and Sugar Maple to keep when marking. Mark some regen gaps around clumps of Black Cherry trees. Green tree a few large Paper Birch. No retention due to small size. This stand should be cut in a dry summer or winter because of wet access road.

Next Step Monitoring, Natural Regen (Re-Inventry)

Treatments:

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

Regen:

Other A smashed culvert will have to be replaced in order to get the wood out in stand 8.

Comment: Wildlife - Look for opportunities to retain some larger paper birch pileated woodpecker –State Game Fund Purchased

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
59	32072059.16_ Cut	18.5	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Uneven-Aged	Proposal

Habitat Cut: No**Site Condition:**

Prescription Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock and cedar. Favor Black Cherry To keep.

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: 10/01/2019

403	32072403.13_ Cut	2.7	3104 - Degraded	Nonstocked		Unspecified	Harvest	Clearcut	310 - Herbaceous Openland		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees. No retention because the objective is to make a non-forested grass opening.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable none

Regen:

Other

Make sure that you include the 2" spec when writing up the timber sale.

Comment:

Proposed Start Date: 10/01/2019

404	32072404.12_ NF	3.6	3102 - Grass	Nonstocked		1-50	NonForestMgt	Other - Specify	3102 - Grass		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.

Specs:

Next Step

Treatments:

Acceptable None

Regen:

Other

Comment: 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: 10/01/2019

408	32072408.14_ Cut	8.6	3102 - Grass	Nonstocked		Unspecified	Harvest	Clearcut	310 - Herbaceous Openland		Proposal
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Habitat Cut: No**Site Condition:**

Prescription Cut all trees. No retention because the objective is to make a non-forested grass opening.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable None

Regen:

Other

Make sure that you include the 2" spec when writing up the timber sale.

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
409	32072409.15_ Cut	6.0	3102 - Grass	Nonstocked		Unspec ified	Harvest	Clearcut	310 - Herbaceous Openland		Proposal

Habitat Cut: No**Site Condition:**

Prescription Cut all trees. No retention because the objective is to make a non-forested grass opening.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable None

Regen:

Other Make sure you include the 2" spec when writing this up.

Comment:

Proposed Start Date: 10/01/2019

**Total Treatment
Acreage Proposed: 433.0**

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 72

Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail <i>With Condition</i> Acres Not Available			Dominant Site Conditions		
					1C	3L	5E
292	292	0	0	Aspen			
4	4	0	0	Bog			
989	373	0	616	Cedar		616	
76	76	0	0	Herbaceous Openland			
11	11	0	0	Lowland Aspen/Balsam Poplar			
109	94	0	16	Lowland Conifers	16		
7	7	0	0	Lowland Deciduous			
5	5	0	0	Lowland Mixed Forest			
24	24	0	0	Lowland Shrub			
27	17	0	10	Mixed Upland Deciduous			10
373	373	0	0	Northern Hardwood			
24	24	0	0	Upland Conifers			
7	7	0	0	Upland Mixed Forest			
2	0	0	2	Upland Spruce/Fir			2
23	23	0	0	Water			
1,971	1,327		644	Total Forested Acres	16	616	13
	67%		33%	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	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick : Examiner

Compartment: 72

Year of Entry: 2020

3	Unavailable	3L: Other wildlife concerns	616	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This land is owned by state game fund and has evidence of winter deer sign.							
4	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This is owned by state game fund and has evidence of winter deer sign. It would be hard to operate without cutting Cedar or Hemlock.							
5	Unavailable	1C: Other dept or div proc/practices	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This land is owned by state game fund and shows signs of deer wintering habitat. It would be hard to operate with out cutting Cedar.							
6	Unavailable	1C: Other dept or div proc/practices	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This land is owned by state game fund and shows signs of deer wintering habitat. It would be hard to operate with out cutting Cedar.							

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 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	General Comments:
3	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	3.3	78	81-110	SCA, PUT INTO SCA TO PROTECT RIPARIAN VALUES AND ASSOCIATED BUFFER. S.25 NENE.
4	4134 - Aspen, Spruce/Fir	Sapling Poor	11.3	6	Immature	S.27 N1/2SW. A5F4E4, OVERALL, MOST OF STAND IS WET. ***12 acres of stand harvested as "Cutoff Aspen" #011-10-1 - cut October, 2011. Any sugar maple, ash and black cherry was left in the stand for wildlife trees, and mature aspen was retained in stand boundary line. The entire east portion (5 acs) of the original stand was left, due to low volumes and more conifer mix.
5	42390 - Mixed Non-Pine Upland Conifers	Poletimber Well	20.0	92	81-110	OPIC - FMD: S.25 NESE, SENE. HARD TO GET TO, STREAMS AND WET AREAS, NEED BRIDGES AND/OR CULVERTS BALSAM BLOWING DOWN, HDWD. POOR QUALITY, CLUMP OF ASPEN IN SE END, IF AREA IS CUT, DO NOT CUT THE HEMLOCK, CEDAR, AND PINE. COORDINATE CUTTING WITH COMPARTMENT TO THE EAST IN 2012. PRIVATE PROPERTY MUST BE CROSSED. ACCESS COULD BE FROM THE NORTHWEST ALSO, BUT THE SNOWMOBILE TRAIL IS INVOLVED, AND IT WOULD BE A LONG WAY TO PLOW SNOW, BECAUSE IT WOULD BE A WINTER JOB. Leave hemlock cedar, white and red pine and white spruce when treating the stand. ***Small 1 acre portion of stand (primarily birch) treated under t. sale #002-12 "Leisner Aspen" - cut Fall, 2012. Remainer of stand is wet, with heavy hemlock and cedar component.
6	4112 - Maple, Beech, Cherry Association	Poletimber Well	30.3	85	81-110	NEED A BRIDGE, AND HAVE TO CROSS PVT. PROP. Access from the northwest is possible, but the snowmobile trail is involved because it would be a winter job, and it would be a very long way to plow snow to get to the sale. Leave white birch when treating stand. ****Harvested under t. sale #002-12 "Leisner Aspen" - Oct, 2012. Portable bridge installed by Unit and private access acquired.
7	6124 - Lowland Spruce-Fir	Poletimber Medium	2.9	46	51-80	S.25 SWSW, Area cut in 1972, some nice birch coming in.
8	4130 - Aspen	Sapling Well	2.0	13	Immature	Cut prmt# 46-01-01. Now it is A3 A2 F1 M1, with a few cedar and hemlock pole sized trees mixed in. S.27 W1/2NE.
9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	80.3	115	171-200	There is a lot of Hemlock in this stand which will make it hard to operate around. Poor hardwood, access from east or the northwest. A bridge is needed coming from the east, plus private property must be crossed, from the northwest the snowmobile trail is involved because it would be a winter job.
10	6120 - Lowland Cedar	Poletimber Well	94.6	106	111-140	SCA, RIPARIAN MANAGEMENT AREA. S.25 NE1/2NE. WET!
12	6112 - Lowland Aspen	Sapling Well	10.9	45	1-50	OPIC - FMD: S.25 NWNW S.26 NENE. STAND WAS CLEARCUT IN 1973 UNDER PERMIT 7-71A. A3 IS NOW 2-5" DBH. 20-40 FT TALL.
13	6123 - Lowland Fir	Poletimber Well	10.4	74	51-80	LEAVE FOR COVER.
14	6120 - Lowland Cedar	Poletimber Well	615.9	177	171-200	LEAVE FOR COVER.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
15	4319 - Mixed Upland Forest	Poletimber Well	7.0	84	81-110	S.25 SE1/4. F5M5, BALSAM IS IN FAIR COND, HDWD IS POOR QUALITY, POOR ACCESS, HAVE TO CROSS 10 CHAINS OF SWAMP AND A CREEK TO GET TO STAND. LEAVE FOR COVER.
16	4112 - Maple, Beech, Cherry Association	Poletimber Well	9.7	85	171-200	STD, WAS CUT OVER IN 1972 , IT'S COMING BACK TO HRDWDS. CHK IN 20 YRS. Access from the southwest, winter job to get across the cedar type if cut in the summer it will need crane mats to get to the site
17	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Well	4.0	115	111-140	FMD: S.25 SESW . LEAVE FOR COVER.
18	4112 - Maple, Beech, Cherry Association	Poletimber Well	11.4	85	111-140	S.25 SWSW M6M7, ASPEN AND BALSAM WERE CUT IN 1972, Cut again 2004, prmt. # 45-01-01.
19	4130 - Aspen	Poletimber Medium	146.8	46	141-170	S.25 SWSW. S.26 S1/2S1/2. MOST AREAS HAVE GOOD STOCKING, LOW AREAS ARE SPARCE, SCATTERED HDWD.
20	4112 - Maple, Beech, Cherry Association	Poletimber Well	18.8	85	111-140	S/26 SW1/4. M6, Cut prmt. #45-01-01
21	4112 - Maple, Beech, Cherry Association	Poletimber Well	45.8	85	111-140	S.26 E1/2. . Cut prmt. #45-01-01 , deer eating the reproduction.
23	6120 - Lowland Cedar	Poletimber Well	208.9	96	81-110	S.26 NW1/4. BALSAM GROWING ON HIGHER AREAS, REST OF STAND IS WET
24	4130 - Aspen	Sapling Well	27.2	26	Immature	S.26 S1/2NW. A3, 6" DBH, 10-25 FT TALL
26	4119 - Mixed Northern Hardwoods	Poletimber Well	16.0	85	81-110	M6, Cut prmt. #46-01-01 S.26 SWNW. Cut next entry the basal area is not there yet.
27	4130 - Aspen	Sapling Well	45.9	26	Immature	S.26 SWSW. S.27 SESE. CUT IN 1992, PRMT. #233-90-1. A3 IS NOW 2-4" DBH. 20-30 FT TALL
29	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	10.1	81	111-140	S.27 E1/2SE. SOUTH END IS LOW , NORTH IS SEMI-OPEN, TIMBER IN POOR COND., SOME OF THE ASPEN AND FIR IS DYING. WET AREA TO CROSS TO ACCESS STAND, SHOULD LEAVE IT FOR COVER. Every tree looks like a good cavity tree.
30	6120 - Lowland Cedar	Poletimber Well	58.1	100	51-80	S.27 S1/2. SMALL SPRUCE & BALSAM, BRUSHY, CONIFERS SHOULD EVENTUALLY RESTOCK
33	4110 - Sugar Maple Association	Poletimber Well	29.2	85	111-140	Cut prmt#46-01-01 S.27NWNE. M6 , POOR QUALITY HDWD, TSI CUT IN 1972.
34	4112 - Maple, Beech, Cherry Association	Poletimber Well	8.5	85	81-110	C-ut prmt#-46-01-01 S- 27 NENE. POOR, HDWD ON HIGHER GROUND, - wait until next entry to cut when the BA is higher.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
36	6124 - Lowland Spruce-Fir	Poletimber Well	6.0	107	141-170	S.27 NENW. REAL HODGEPODGE, MOST POOR QUALITY, SOME FAIR CEDAR BOLTS. SAVE AREA FOR COVER.
37	4112 - Maple, Beech, Cherry Association	Poletimber Well	76.9	85	111-140	Cut prmt#-46-01-01 S.27 NW1/4. TSI COMPLETED IN 1975,
39	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	3.4	50	Unspecified	S.27 NWSE. P3, IS 1 TO 4" DBH, 10-30 FT TALL, a mix of black ash ,bam, and lowland brush.
40	6120 - Lowland Cedar	Poletimber Well	7.6	147	111-140	S.27 N1/2SW. MOST CEDAR IS LOW QUALITY, QUITE WET AND BRUSHY
41	4112 - Maple, Beech, Cherry Association	Poletimber Well	16.6	85	81-110	S.27 SWSW. CUT WITH STAND TO WEST IN 2007. ***Included with T. sale # 024-07 "Camp 19 sale" - thinned December, 2009.
42	4119 - Mixed Northern Hardwoods	Poletimber Medium	59.2	75	51-80	S.27 S 1/2, LARGE ASPEN IS PATCHY "Cutoff Aspen" #011-10-1 - cut Fall, 2011. For retention, the strip of aspen north of the road was left (~6 acs). Aspen regeneration mixed within is still acceptable and desired. Monitor to see if further hardwood regeneration becomes established before prescribing next cut - heavy deer pressure in area.
43	6120 - Lowland Cedar	Poletimber Well	3.5	87	111-140	S.27 SWSW. COMPOSITION IS VARIABLE, TIMBER IS IN GOOD COND.
46	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	5.0	86	1-50	FMD: S.26 NENW.
53	42340 - Upland Spruce/Fir	Poletimber Well	2.4	75	51-80	S.27 SWSW.
56	4115 - Y.Birch, Hemlock NH	Poletimber Well	5.0	85	111-140	S.27 W1/2NE. M4F4A4, CHK NEXT TP, the red maple is a little too small yet to cut this stand.
58	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	4.7	84	81-110	OPIC - FMD: S.26 NESE. M5F4H4H7, LEAVE FOR COVER. A FEW TREES WERE REMOVED FOR A ROAD WHEN STAND 21 WAS CUT IN 2002.
59	4112 - Maple, Beech, Cherry Association	Poletimber Well	18.5	85	111-140	Cut prmt#46-01-01 S.26 W1/2W1/2, S.27 NESE.
63	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	7.6	26	Immature	S. 26 SENW. CUT IN 1992 PRMT # 23-90-1
67	4134 - Aspen, Spruce/Fir	Sapling Well	10.0	26	Immature	S.26 NW 1/4. CUT IN 1991-92 PRMT.# 23-90-1 A3 IS NOW 1-4" DBH. 10-30 FT TALL. SOUTH PART IS THINNER.
68	4134 - Aspen, Spruce/Fir	Sapling Medium	4.7	13	1-50	Cut prmt#46-01-01. A2A1F1 now, A few hemlock poles left in stand. S.27 SENE,

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Gwinn Mgt. Unit

Report 7 – Forested Stands

Compartment: 72
Year of Entry: 2020

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
70	4113 - R.Maple, Conifer	Poletimber Well	3.0	85	51-80	Cut prmt#46-01-01. M5 now, Sec. 27 nwne
72	4130 - Aspen	Sapling Well	8.8	35	Unspecified	FMD: S.27 SWSW. A3 IS 2-4" DBH. 10-30 FT TALL.
73	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	5.0	99	51-80	FMD: S27 NWSE. WET AREA
75	4130 - Aspen	Sapling Well	35.5	16	Immature	Cut 2002 Bob Maule permit #32-00-01. A3 is now 1/2-1" dbh, 10-20 ft tall
78	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.0	85	81-110	VERY FEW LOGS PRESENT, TSI COMPLETED IN 1975 . Consider cutting next entry.
79	4119 - Mixed Northern Hardwoods	Sawtimber Well	7.5	85	51-80	Cut prmt#-46-01-01 S.27 NW1/4. TSI COMPLETED IN 1975,
406	4112 - Maple, Beech, Cherry Association	Sawtimber Well	16.3	85	51-80	S.27 SWNE, NWSE. Cut next entry not enough BA yet.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	622 - Lowland Shrub	1.8	No	OPIC - FMD: S.27 CENTER
2	500 - Water	3.7	No	FMD: S.27 N1/2NW1/4
11	6225 - Bog	3.7	No	OPIC - FMD: S/25 NWNW
45	622 - Lowland Shrub	4.3	No	S.27 NENW
47	622 - Lowland Shrub	0.8	No	OPIC - FMD: S.26 SENW
49	6229 - Mixed lowland shrub	3.4	No	OPIC - FMD: S.25 SESE.
50	622 - Lowland Shrub	7.3	No	S.27 SESE. Full of Tag Alder
52	6229 - Mixed lowland shrub	1.4	No	OPIC - FMD: S.25 SESE.
61	500 - Water	1.6	No	
71	500 - Water	13.5	No	S.27 NWSW. Z-BEAVER FLOODING. Lots of dead Cedar.
74	622 - Lowland Shrub	5.1	No	FMD: S. 27 N1/2NW
77	500 - Water	3.8	No	OPIC - FMD: Beaver flooding, S.25 NWNW
403	3104 - Degraded	2.7	No	S.27 SENW, NWSE. This needs to be opened up it is a mix of Cherry, Spruce, and Red Maple.
404	3102 - Grass	3.6	No	S.27 SWSW. This needs to be opened up. Scattered spruce and balsam fir in and around opening.
408	3102 - Grass	8.6	No	FMD: S.26 NWSW
409	3102 - Grass	6.0	No	FMD: S.26 SENW
414	3102 - Grass	55.2	Yes	S.27 NW1/4, opening maintenance to be done in the north half of the stand, north of the road.