



# Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32043

Entry Year 2019

Acreage: 1,078

County Marquette

Management Area: Chain Lakes Moraine

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**Revision Date:** 2017-08-03

**Stand Examiner:** Nathan Comar

**Legal Description:**

T44N, R25W, Sections 16, 17, 18

**Identified Planning Goals:**

The main goals of this compartment are to enhance the mesic and dry mesic conifers. Considerations for species diversity, retention, coarse woody debris, and BMPs will be included in every harvest plan. There are three stands that are scheduled for final harvest. The goal with the harvests is to maintain early successional habitat. In addition, the large wetland complexes in this compartment and those stands along the Ginzey Lake/Bob's creek drainage will be protected to provide the many wildlife, riparian, and vegetative values contained within.

**Soil and topography:**

Terrain is relatively level to lightly sloping with soils ranging from mucks in the wetlands to excessively drained sands in the south and western portion of the compartment. Major soil associations include Rubicon Sand, moderately drained Croswell, and poorly drained Greenwood-Dawson association.

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

Several forties of private ownership are located within and adjacent to this compartment.

**Unique Natural Features:**

**Archeological, Historical, and Cultural Features:**

Two archeological areas are within this compartment.

**Special Management Designations or Considerations:**

**Watershed and Fisheries Considerations:**

This compartment contains Bob's Creek in addition to Gimse Lake and Little Bob's Lake. Bob's Creek is designated a Type 1 trout stream less than 50' width. Bob's Creek contains Brook Trout, Blacknose Dace, Creek Chub, Common Shiner, White Sucker, Mottled Sculpin, Central Mudminnow, Northern Redbelly Dace and Pearl Dace. A 300' buffer is recommended for Bob's Creek in riparian areas susceptible to Aspen regeneration (more specifically Stand 14 and Stand 11). For all other riparian areas Best Management Practices should be followed.

**Wildlife Habitat Considerations:**

Compartment 043 is found within the Chain Lakes Moraine Management Area; on a Disintegration Moraine in Southwestern Marquette County. The dominant Natural Communities are dry mesic northern forests, poor conifer swamps, and mesic northern forests. This management area offers opportunities to increase diversity and perhaps long-term oak sustainability through under planting white and red pine. Another priority is to maintain or increase wildlife corridors especially along riparian corridors. Wildlife management issues in the management area are: mast (hard and soft); habitat fragmentation; mature forest conditions; mesic conifer; coarse woody debris; and retention or development of large living and dead standing trees (for cavities). This management area represents approximately 1/4 of the oak resource on WUP state forest.

The following have been identified as featured species for Chain Lakes Management Area: black bear, gray jay, pileated woodpecker, Northern goshawk, red crossbill.

**Mineral Resource and Development Concerns and/or Restrictions**

Sections 17 - 18, T44N-R25W, Marquette County

Gravel pits are not located in this area, but there may be some sand and gravel potential within the compartment.

Abandoned iron mines are located more than three miles to the north. There is no history of mineral leasing within the compartment and metallic mineral potential appears to be low at this time. There is no economic oil and gas production in

the UP.

**Vehicle Access:**

Vehicle access to the compartment is excellent via County Road 557, Bob's Creek road, and several "2 tracks."

**Survey Needs:**

SE 1/4 section 17

**Recreational Facilities and Opportunities:**

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

**Fire Protection:**

This compartment has a moderate risk for wildfire.

**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**

# Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit

Compartment 43

Year of Entry 2019

Nathan Comar : Examiner

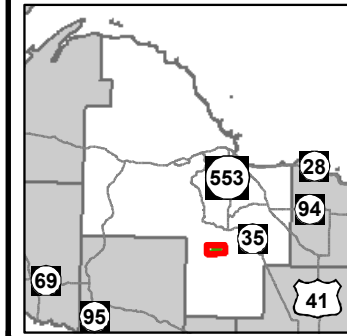


## Age Class

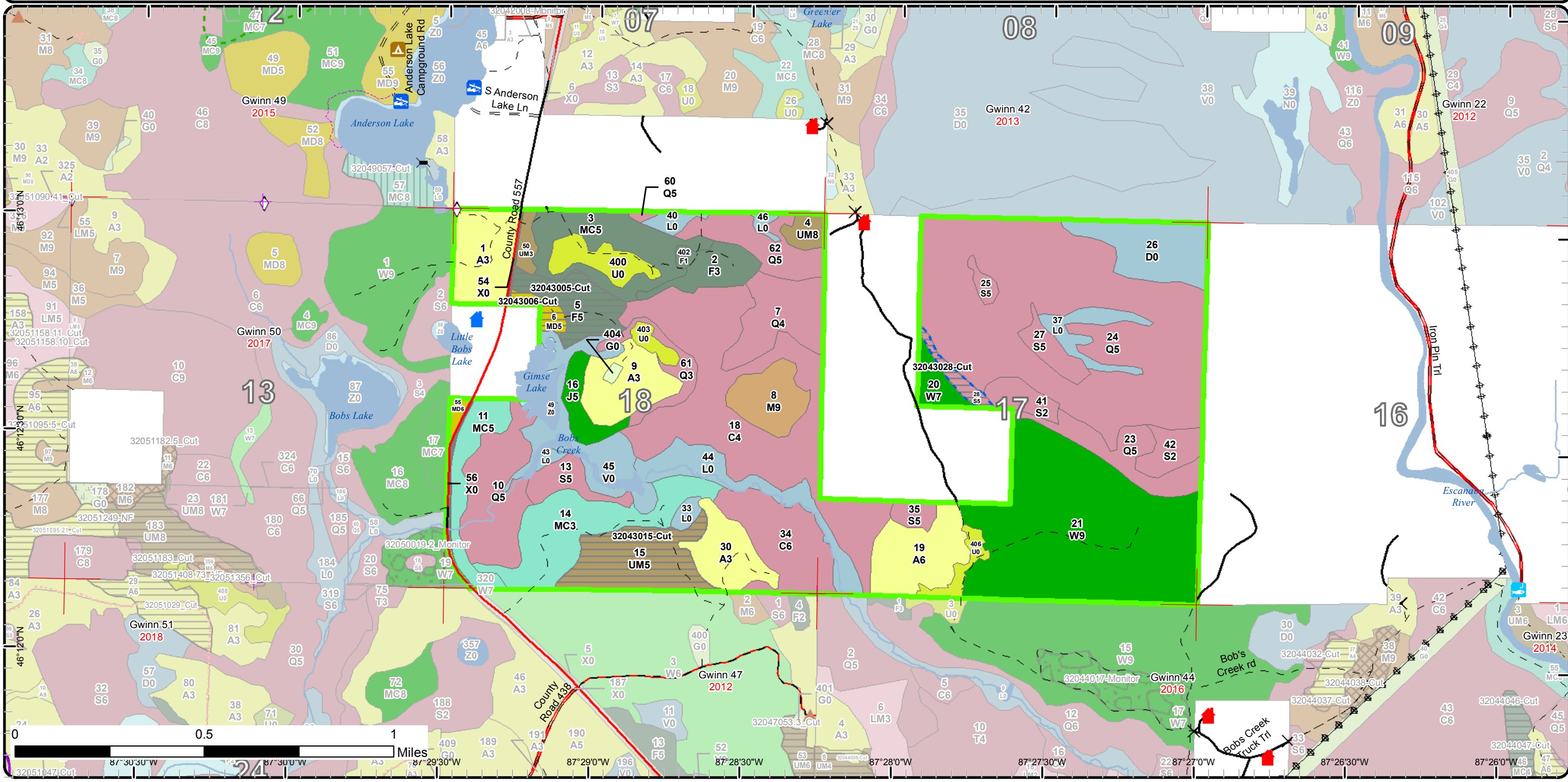
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	0	25	72	0	0	0	0	0	0	0	0	0	0	0	0	0	0	97
Bog	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32
Cedar	0	0	0	0	0	0	0	0	0	105	33	0	0	0	0	0	0	0	138
Herbaceous Openland	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Jack Pine	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Low-Density Trees	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Lowland Conifers	0	0	0	0	9	0	0	0	0	203	26	58	0	0	0	0	0	0	295
Lowland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Lowland Spruce/Fir	0	0	0	19	0	0	0	0	0	21	0	0	10	0	0	0	0	0	50
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	19
Treed Bog	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Upland Conifers	0	0	0	42	33	18	0	0	0	0	0	0	0	0	0	0	0	0	93
Upland Mixed Forest	0	0	0	4	0	0	0	35	0	0	6	0	0	0	0	0	0	0	45
Upland Spruce/Fir	0	0	0	2	14	0	0	0	0	19	0	0	0	0	0	0	0	0	35
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
White Pine	0	0	0	0	0	0	0	0	0	9	136	0	0	0	0	0	0	0	145
<b>Total</b>	<b>142</b>	<b>0</b>	<b>25</b>	<b>149</b>	<b>56</b>	<b>18</b>	<b>0</b>	<b>35</b>	<b>0</b>	<b>259</b>	<b>273</b>	<b>110</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1076</b>

# Cover Type & Treatments Map

Compartment: 43  
 T44N, R25W, Sec: 17, 18  
 County: Marquette  
 Unit: Gwinn  
 Mgmt Area: Chain Lakes Moraine  
 YOE: 2019  
 Acres: 1077.8 GIS Calculated  
 Examiner: Nathan Comar  
 Map Revised: 1/11/2018  
 Map Phase: Post-Review

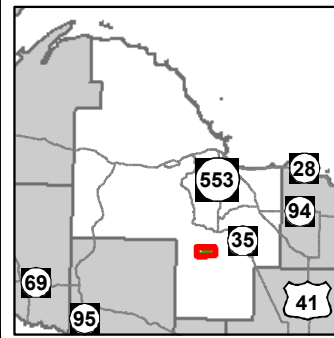


- Miris Corners
- + Remonumented Section Corners
- Field Grade GPS Corners
- Counties
- Gate
- Berms
- Bridge
- Cabin
- House
- Boating Access Site
- Campground
- Fishing Access Site
- - - Designated Hiking Trails
- - - Designated Ski Trails
- County Paved Roads
- Paved Roads
- - - County Gravel Roads
- - - Gravel Roads
- - - County Poor Dirt Roads
- - - Poor Dirt Roads
- - - Closed
- Streams
- Lakes and Rivers All
- Powerline
- - - Non-Designated Recreational Trail
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

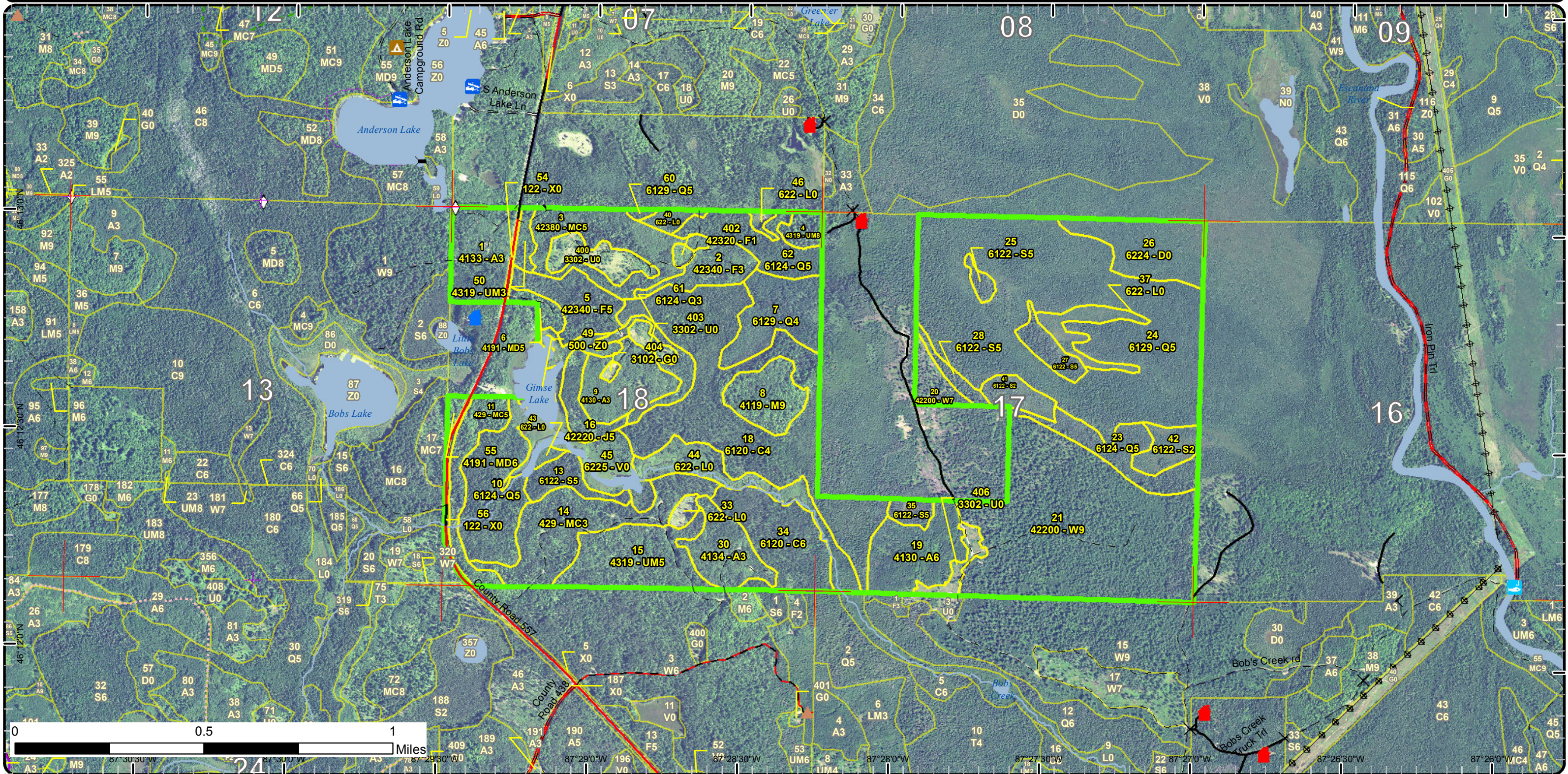


# Stand Boundary Map

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 YOE: 2019  
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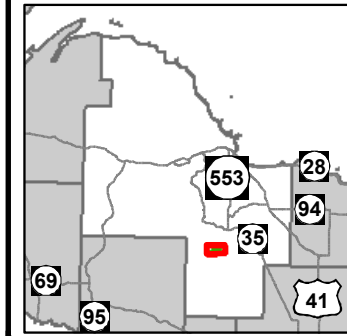


- Miris Corners
- Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- ✕ Gate
- ▲ Berms
- ⊗ Bridge
- 🏠 Cabin
- 🏠 House
- 🚤 Boating Access Site
- 🏕️ Campground
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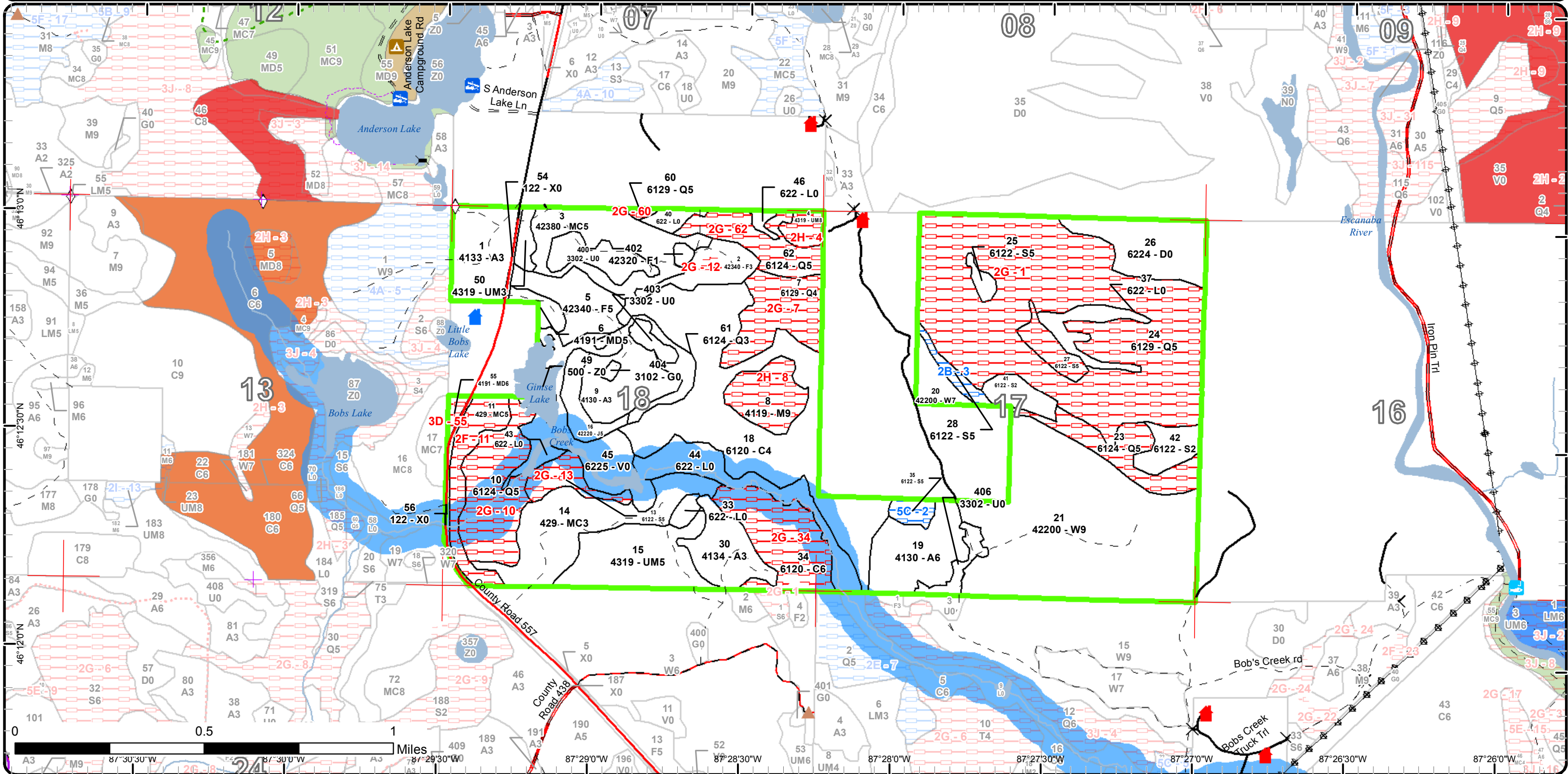


# Special Conservation Areas & Site Conditions Map

Compartment: 43  
 T44N, R25W, Sec. 17, 18  
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 Unit: Gwinn  
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- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Non-Designated Recreational Trail
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2F: Too steep
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3D: Recreational / Scenic values
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Riparian Area
- State Forest Campground
- Other Habitat Area
- Recreational/Scenic Value Area





## Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 43

Total Compartment Acres: 1,078

Commercial Harvest - 59  
 Harvests with Site Condition - 5  
 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
Lowland Spruce/Fir	5	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	5	0	0	0	0	0	0	0	0	5
Upland Mixed Forest	35	0	0	0	0	0	0	0	0	35
Upland Spruce/Fir	19	0	0	0	0	0	0	0	0	19
<b>Total</b>	<b>64</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>64</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	64	0	0	0	0	0	0	0	0	64
Next Step	0	35	35	0	0	35	99	0	0	203
<b>Total</b>	<b>64</b>	<b>35</b>	<b>35</b>	<b>0</b>	<b>0</b>	<b>35</b>	<b>99</b>	<b>0</b>	<b>0</b>	<b>267</b>



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
5	32043005-Cut	19.3	42340 - Upland Spruce/Fir	Poletimber Medium	88	81-110	Harvest	Clearcut	42340 - Upland Spruce/Fir	Even-Aged	Approved Proposal

**Habitat Cut: No****Site Condition:**

Prescription Harvest all species in stand except white pine and cedar. Wet areas may be found in stand and can be included in retention if inoperable.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black spruce, balsam fir, white birch.

Regen:

Other Comment: WLD - Retention should include some tamarack (Gray Jay) and most if not all of paper birch (5%) (cavity nesters) – Pileated Woodpecker (State Game Fund)

Proposed Start Date: 10/01/2018

6	32043006-Cut	5.0	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	82	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut, retaining up to 3% of the original stand. Leave any red and white pine, and cedar that may be present.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Maple, spruce, fir, pine.

Regen:OtherComment:

Proposed Start Date: 10/01/2018

15	32043015-Cut	34.8	4319 - Mixed Upland Forest	Poletimber Medium	63	51-80	Harvest	Clearcut with Retention	42140 - Planted Mixed Pine	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition:**

Prescription Clearcut retaining some bigtooth aspen along edge for wildlife. Retention should also include some overstory pine already present on the edge.

Specs: Any low black spruce portions that will not support red pine can be included in retention.

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable red pine and white pine

Regen:

Other Comment: WLD - Clear cut is fine with some older age aspen left for in retention – northern goshawk, and pileated woodpecker. This is a State Game Fund site it should not be converted to pine plantation (No herbicide).

Proposed Start Date: 10/01/2018

28	32043028-Cut	4.9	6122 - Black Spruce	Poletimber Medium	86	81-110	Harvest	Clearcut	6122 - Black Spruce	Even-Aged	Approved Proposal
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**Habitat Cut: No****Site Condition: Unknown Access**

Prescription Clearcut with no retention on spruce due to severe mistletoe problems. Winter harvest as it is a low stand. Will need a good freeze for minimal damage. Retain white pine present.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Black spruce, tamarack

Regen:

Other Comment: Access to stand is through private. Stand 20 has road/ skid system in from past harvest.

WLD- Tamarack should be retained (2%) – gray jay and red-crossbill

Proposed Start Date: 10/01/2018

**Total Treatment  
Acreage Proposed: 64.0**



## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Nathan Comar : Examiner

Compartment: 43  
Year of Entry: 2019

### Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	Dominant Site Conditions					
		With Condition	Not Available		2B	5C	2F	2G	2H	3D
97	97	0	0	Aspen						
32	32	0	0	Bog						
138	105	0	33	Cedar				33		
1	1	0	0	Herbaceous Openland						
10	10	0	0	Jack Pine						
23	23	0	0	Low-Density Trees						
296	9	0	287	Lowland Conifers				287		
46	46	0	1	Lowland Shrub				1		
50	22	10	19	Lowland Spruce/Fir	5	5		19		
7	5	0	2	Mixed Upland Deciduous						2
19	0	0	19	Northern Hardwood					19	
29	29	0	0	Treed Bog						
93	75	0	18	Upland Conifers			18			
45	39	0	6	Upland Mixed Forest					6	
35	33	0	2	Upland Spruce/Fir				2		
5	5	0	0	Urban						
6	6	0	0	Water						
144	144	0	0	White Pine						
1,078	682	10	386	Total Forested Acres	5	5	18	340	25	2
	63%	1%	36%	Relative Percent						

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

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	211	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Large wetland complex. Edges may be treatable.							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Nathan Comar : Examiner

Compartment: 43  
Year of Entry: 2019

2	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Due to small stand size, hold till other stands in immediate area are ready for treatment.							
3	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
4	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	6	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Difficult access for volume available.							
7	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	26	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
8	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	19	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

## Report 4 – Site Conditions

Gwinn Mgt. Unit  
Nathan Comar : Examiner

Compartment: 43  
Year of Entry: 2019

10	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	36	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Unavailable</b>	<b>2F: Too steep</b>	18	3D: Recreational / Scenic values	4A: No Markets Available for these Forest Products	Unspecified	Unspecified
<b>Comments:</b>							
12	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
13	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
34	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	33	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
55	<b>Unavailable</b>	<b>3D: Recreational / Scenic values</b>	2	3G: Other Influence zones - See comments	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Located right on curve of 557 makes trucking too dangerous.							

# Report 4 – Site Conditions

Gwinn Mgt. Unit  
Nathan Comar : Examiner

Compartment: 43  
Year of Entry: 2019

60	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
62	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	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.

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SCA Name	SCA Category	Detail Type	Recommendation	Acres
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**Comments**

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**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	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	4133 - Aspen, Mixed Pine	Sapling Well	25.3	19	Immature	East half of this stand burned in 1999. West half was harvested in the same year. Very wood aspen regeneration 10-15 feet tall with super canopy white and red pine over top. Some balsam fir noted in the stand. A couple small bogs are present in this stand with a black spruce component.
2	42340 - Upland Spruce/Fir	Sapling Well	13.6	35	Immature	Parts of this stand are dominated by small spruce-fir and parts are dominated by aspen-fir. Few pole sized spruce and aspen present but majority of stand is sub merchantable. There is a small treed bog/wet black spruce centered within this stand.
3	42380 - Non Pine Upland Conifer, Mixed Deciduous	Poletimber Medium	32.9	35	1-50	Very Patchy stand with thin aspen regeneration patches. Thick patches of spruce fir trees with some poles present. Not enough merchantable volume here to justify harvesting anytime soon.
4	4319 - Mixed Upland Forest	Sawtimber Medium	5.8	96	81-110	Large ponds and marshes within stand. Surrounded by swamp. Lots of cedar and poor quality soft maple. Extremely thick understory, SBW in fir. Very hard to walk through. Small size and difficulty to access make harvest here unreasonable. Continue to let the stand convert.
5	42340 - Upland Spruce/Fir	Poletimber Medium	19.3	88	81-110	Black spruce stand that is falling apart. Heavy blow down noted so density is patchy but good pole trees present. SBW is also noted on edges but not extreme. Harvest stand as a clear-cut retaining any white pine and cedar. Wet areas may be found in stand and can be included in retention if inoperable. Stand should seed in well. Good regeneration present of spruce and fir.
6	4191 - Mixed Upland Deciduous with Conifer	Poletimber Medium	5.0	82	51-80	Small poor quality mixed hardwood (birch and soft maple) and conifer. Stand is converting to fir with extremely heavy fir regeneration underneath. Not worth harvesting/ very little to cut in this stand. Continue to let this stand convert itself into a fir stand.
7	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	26.4	91	1-50	Mostly a Q3 but with sparse black spruce poles. Remaining conifers are a mix of tamarack, cedar, fir, and black spruce over tagalder.
8	4119 - Mixed Northern Hardwoods	Sawtimber Well	18.9	106	111-140	An isolated old hardwoods island of mostly soft maple with huge yellow birch, several over 36" dbh. Stand also contains scattered upland cedar. North edge of stand has a few white birch and heavier F3 regeneration. Potential old growth. No cutting evidence present but in the inner portions of the stand the DHS's are smaller with higher basal area. Outer edges of stand have larger red maple over 20 inches. No access to this stand.
9	4130 - Aspen	Sapling Well	22.9	26	1-50	Stocking is slightly low but continues to regenerate well. Not much growth is apparent from last inventory. Very flat and very sandy soils may contribute to slow growth. Bigtooth aspen noted in some areas that is growing better than the quaking aspen. North east part of the stand has a lowland portion that has standing water and tag alder present. Concentrated swamp conifers were noted in this wet spot.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
10	6124 - Lowland Spruce- Fir	Poletimber Medium	36.1	106	111-140	Black spruce and cedar stand. Quite low and wet. Bob's creek runs through this stand. Far to wet to operate in this stand. Access is off of a steep slope.
11	429 - Mixed Upland Conifers	Poletimber Medium	18.3	42	51-80	Ridge of upland mixed species before steep drop off into stand 10. This stand is very poor quality. SBW has hit pretty hard but most of defoliation is found on sub merchantable trees. Bobs creek runs through this stand. Quite steep in some spots in stand. Located in a dangerous spot for trucking to occur. On a curve along 557. Harvest not recommended due to steepness, location, and lack of harvestable material.
13	6122 - Black Spruce	Poletimber Medium	10.2	110	81-110	Black spruce stand along Bob's creek. Very low and wet with standing water in some spots.
14	429 - Mixed Upland Conifers	Sapling Well	42.2	25	Immature	Upland mixed stand. Poor quality aspen regeneration due to sandy soils. Patches of spruce fir, jack pine, and red pine.
15	4319 - Mixed Upland Forest	Poletimber Medium	34.8	63	51-80	This stand contains poor 3-5 stick off site aspen clones, dry sandy soils. The pine in this stand seems to be doing well. Mortality and blow down noted among the aspen overstory. Pockets of spruce fir throughout. SBW heavy in fir understory. Density of large aspen is low and patchy. Clear cut this stand and trench to plant red pine and white pine.
16	42220 - Natural Jack Pine	Poletimber Medium	9.9	26	51-80	Jack pine stand with pockets of spruce/fir spread out through northern portion of stand. Jack Pine is stocked well for natural with high % of canopy closure. Southern portion of the stand is open with jack, red, and white pine in patches.
18	6120 - Lowland Cedar	Poletimber Poor	104.6	91	51-80	Large cedar swamp complex full of one stick pole cedar. Very wet and thick with tag alder. Regen is tag alder over Q1. BA is variable throughout stand. patches of good cedar regeneration present.
19	4130 - Aspen	Poletimber Well	28.8	28	1-50	Very sandy soils with grass, bracken, and lichen. Poorly stocked aspen with fir and spruce poles in pockets throughout stand. Various small openings within stand. Couple low spots with small amount of tag alder present. Jack pine also noted in this stand.
20	42200 - Natural White Pine	Sawtimber Poor	8.7	87	1-50	***Stand harvested as "Stretch's Camp" #017-10-01 (unit 2)- cut Nov-Dec, 2013. Aspen and fir was removed retaining pine. White pine over good BT aspen regen. Outer edges of stand heavy balsam fir regen outside cutting boundary. SBW noted.
21	42200 - Natural White Pine	Sawtimber Well	135.8	93	51-80	CUT BY GARY GAZAN UNDER PERMIT# 009-99-01. Large diameter white pine and red pine over aspen and red maple regeneration. North side of the stand is younger with aspen regen much younger while south portion regeneration of aspen is more advanced. Poor quality white pine with mortality and die back in crown. White pine weevil noted in various spots.
23	6124 - Lowland Spruce- Fir	Poletimber Medium	20.8	86	51-80	6/6/2017: Remote call made. Data entered had been 95% black spruce 5% cedar. OPIC - FMD: SCA S5Q4S2L Potential old growth. Mostly black spruce with a few cedar. Part of a large wetland complex.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	181.7	86	1-50	A blend of swamp conifers, cedar, black spruce, tamarack and white birch over tag alder and Q1. Part of a large wetland complex.
25	6122 - Black Spruce	Poletimber Medium	3.0	86	51-80	Mostly black spruce with a few cedar. Part of a large wetland complex.
27	6122 - Black Spruce	Poletimber Medium	8.4	86	51-80	Part of a large wetland complex. Mostly black spruce with a few cedar.
28	6122 - Black Spruce	Poletimber Medium	4.9	86	81-110	Low black spruce pole stand. Severe mistletoe problems causing mortality in large number of smaller trees and some larger trees. Need good freeze to operate. Winter harvest. Clearcut with no retention of spruce due to mistletoe problems. May need to be negotiated.
30	4134 - Aspen, Spruce/Fir	Sapling Well	20.1	25	Immature	Aspen appears to be doing slightly better on this site but still sparse. Scattered pockets of spruce/fir and jack pine. The balsam fir is quite thick in some spots. Heavy fir understory.
34	6120 - Lowland Cedar	Poletimber Well	33.4	109	81-110	A low, wet cedar and black spruce stand. Standing water throughout entire stand. One little section less than an acre of upland spruce and fir to the south from old harvest. No cedar regeneration present.
35	6122 - Black Spruce	Poletimber Medium	4.9	86	51-80	Small black spruce pole stand. Heavy fir and spruce regeneration on the edge of the stand. Not much regeneration beneath poles, however. Mistletoe noted on some of the black spruce.
41	6122 - Black Spruce	Sapling Medium	8.8	27	Immature	Mostly tag alder with a few pockets of black spruce. Very wet. Part of a larger wetland complex.
42	6122 - Black Spruce	Sapling Medium	10.1	27	Immature	Black spruce stand on edge of large wetland complex. Very few pole trees. Few large white pine present.
50	4319 - Mixed Upland Forest	Sapling Well	4.4	20	Immature	Mixed stand of young aspen and balsam fir with fir regen underneath. Some super canopy white pine noted. Stand cut in 1998. Similar to adjacent stand 3 except has notable white birch regeneration.
55	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	2.4	82	51-80	Small stand similar to stand 11 but higher component of branchy soft maple. Trees are smaller in this stand. SBW noted but not as much defoliation as across the road. Dangerous spot for trucking on curve of 557. Harvest not recommended. Sparse poles and dangerous spot on road make harvest not feasible.
60	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	1.1	106	1-50	Black spruce with fir, white spruce, and cedar. Occasional white birch and soft maple. Quite low and wet.
61	6124 - Lowland Spruce- Fir	Sapling Well	9.4	36	Immature	A mix of black spruce, fir and tamarack off of the edge of an opening. Low and wet spruce fir band surrounding a large cedar stand. Becomes upland near to opening but contains very similar species.

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Gwinn Mgt. Unit

Report 7 – Forested Stands

Compartment: 43  
Year of Entry: 2019



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	6124 - Lowland Spruce- Fir	Poletimber Medium	20.9	106	51-80	Blend of swamp conifers. Low and wet with very difficult access. Ponds and marshy areas within.
402	42320 - Upland Spruce	Sapling Poor	1.7	22	Immature	Old opening filling in with upland spruce and tamarack.



Stand	Cover Type	Acres	Managed Site	General Comments:
26	6224 - Treed Bog	28.8	No	OPIC - FMD: SCA Potential old growth. Treed bog. Retain as biodiversity maintenance area to protect the riparian values of a large wetland complex.
33	622 - Lowland Shrub	3.0		Stand harvested as "Stretch's Camp" (unit 3) #017-10-01 - cut October, 2013. Stand is beginning to regenerate. Black spruce and balsam fir seedlings noted in stand. Next inventory period more regeneration may be apparent. Small amount of residual pine left from harvest.
37	622 - Lowland Shrub	11.1	No	Mostly tag alder, part of a large wetland complex.
40	622 - Lowland Shrub	3.9	No	Mostly tag alder with a few swamp conifers.
43	622 - Lowland Shrub	1.9	No	Tag alder stand. Retain as biodiversity maintenance area to protect the riparian values and provide for wildlife corridor along Bob's Creek.
44	622 - Lowland Shrub	24.4	No	Tag alder stand. Retain as biodiversity maintenance area to protect the riparian values and provide for wildlife corridor along Bob's Creek.
45	6225 - Bog	31.9	No	Bog. Retain as biodiversity maintenance area to protect the riparian values and provide for wildlife corridor along Bob's Creek.
46	622 - Lowland Shrub	1.9	No	Wet alder.
49	500 - Water	6.4	No	Gimze Lake
54	122 - Road/Parking Lot	1.5	No	County road 557
56	122 - Road/Parking Lot	3.6	No	County road 557
400	3302 - Low Density Conifer Trees	12.5	No	Larger opening with scattered jack pine, white spruce and fir.
403	3302 - Low Density Conifer Trees	4.1	No	Very sandy, with lichen and grass. May be considered a forested next inventory cycle.
404	3102 - Grass	1.0	No	Grassy opening.
406	3302 - Low Density Conifer Trees	6.1	No	Opening with scattered jack pine, white spruce/fir and cherry brush. Spotted knapweed and grass.