



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 66

Entry Year 2015

Acreage: 1,919

County Marquette

Management Area: Ralph Ground Moraine

Revision Date: 08/07/2013

Stand Examiner: Ben Travis

Legal Description:

T43N, R25W, Sec. 7,8, and 9

Identified Planning Goals:

Maintain and/or improve the health, productivity, diversity and sustainability of the various forest cover types while providing for a diverse range of wildlife, fisheries, environmental, and recreational values.

Soil and topography:

Terrain ranges from level swamps and wetland drainages to rolling or slightly rolling uplands. Major soil types are: Carbondale and Tawas soils, Emmet fine sandy loam, Rubicon sand, Kalkaska sand, Rousseau fine sand, Crosswell sand, Greenwood and Dawson soils, Paquin sand, Crosswell-Deford complex, Kalkaska-Waiska complex, Sundog-Rock outcrop complex, Paquin-Finch sands, Tawas-Deford mucks, and Au Gres-Deford complex.

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

State property borders the compartment to the south and east. The majority of the north side is adjacent to state ownership with a few small private parcels and camps. The west edge is adjacent to mainly private property and a smaller parcel of state land.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

Compartment 66 is found within the Ralph Ground Moraine Management Area; which is on Ground Moraines in northern Dickinson and southern Marquette Counties. The State Forest covers about 189,500 acres and is mostly contiguous. 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. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. The Ralph Ground Moraine is a very large management area that is dominated by State ownership. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. The lowland conifer stands should be managed to benefit wintering deer. 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. This single management area represents 29% of the WUP's aspen resource and it is desirable to maintain this resource in a wide range of age classes. Some of the most significant 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. However, the featured species concept does not preclude the management for other wildlife species within a particular MA, rather it is simply intended to be as a tool to help prioritize or focus habitat management.

For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured till (drumlin area), glacial outwash sand and gravel and postglacial alluvium and minor peat and muck. There is insufficient data to determine the glacial drift thickness. The Ordovician Prairie du Chien Group subcrops below the glacial drift, and could be used for stone. Gravel pits are located in this area and there is potential especially the upland areas. Abandoned iron mines are located six miles to the northeast. Section 18, to the south, is leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

County Road 557 (paved) bisects the compartment, north to south. Camp Sundown road (DNR) provides access to the west of 557. The Little West road (a portion is seasonal county road) provides access to the east of 557. Numerous DNR poor dirt roads and closed poor dirt roads enter many stands and provide vehicle and foot traffic access. Eventually a new connector road should be constructed in stand 44 to provide access that doesn't pass through the private parcel to the north. Camp Sundown road provides access to numerous camps located west of the compartment, and is usually plowed all winter by those camp owners.

Survey Needs:

May need survey monuments established along the west edge of compartment to allow timber harvesting.

Recreational Facilities and Opportunities:

The snowmobile trail follows Little West road. A Hunter Walking Trail is situated within stand 7. Hunting opportunities are numerous in this compartment.

Fire Protection:

Wildfire frequency is low in this compartment. When fires occur they are usually low in intensity and are easily accessed.

Additional Compartment Information:

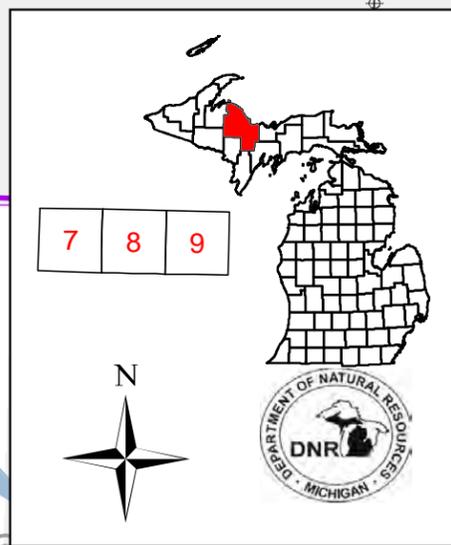
The following reports from the Inventory are attached:

- 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**

Compartment: 066
 T43N R25W Sec. 07, 08, 09,
 County: Marquette
 Unit: Gwinn
 YOE: 2015
 Acres: 1,919 GIS Calculated
 Examiner: Ben Travis
 Map Revised: 08/08/2013
 Map Phase: Pre-Review



Cover Type & Treatment Map

Stand #
 23
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Legend

+	Remonumented Section Corners	▭	Clearcut (w/Reserves, Patch/Strip)
◆	PLSS Corner	▨	Seed Tree (w/Reserves)
—	Miris Corners	▧	Thinning (Crown, Low, Systematic)
—	Highway	▩	Selection (Group, Single Tree)
—	County Paved Roads	▪	Other Treatment - See Comments
—	Paved Roads		
—	County Gravel Roads		
—	Gravel Roads		
—	Poor Dirt Roads		
—	County Poor Dirt Roads		
—	Trail (Non-Recreation)		
—	Closed Roads		
—	Stream		
—	Intermittent Stream		
—	Pipeline		
—	Powerline		
X	Gate		
▲	Berms		
⚡	Snowmobile Trails		
—	Snowmobile Trail		
—	Lakes and Rivers		
—	State Forest Land		

Treatments

Forest Stands

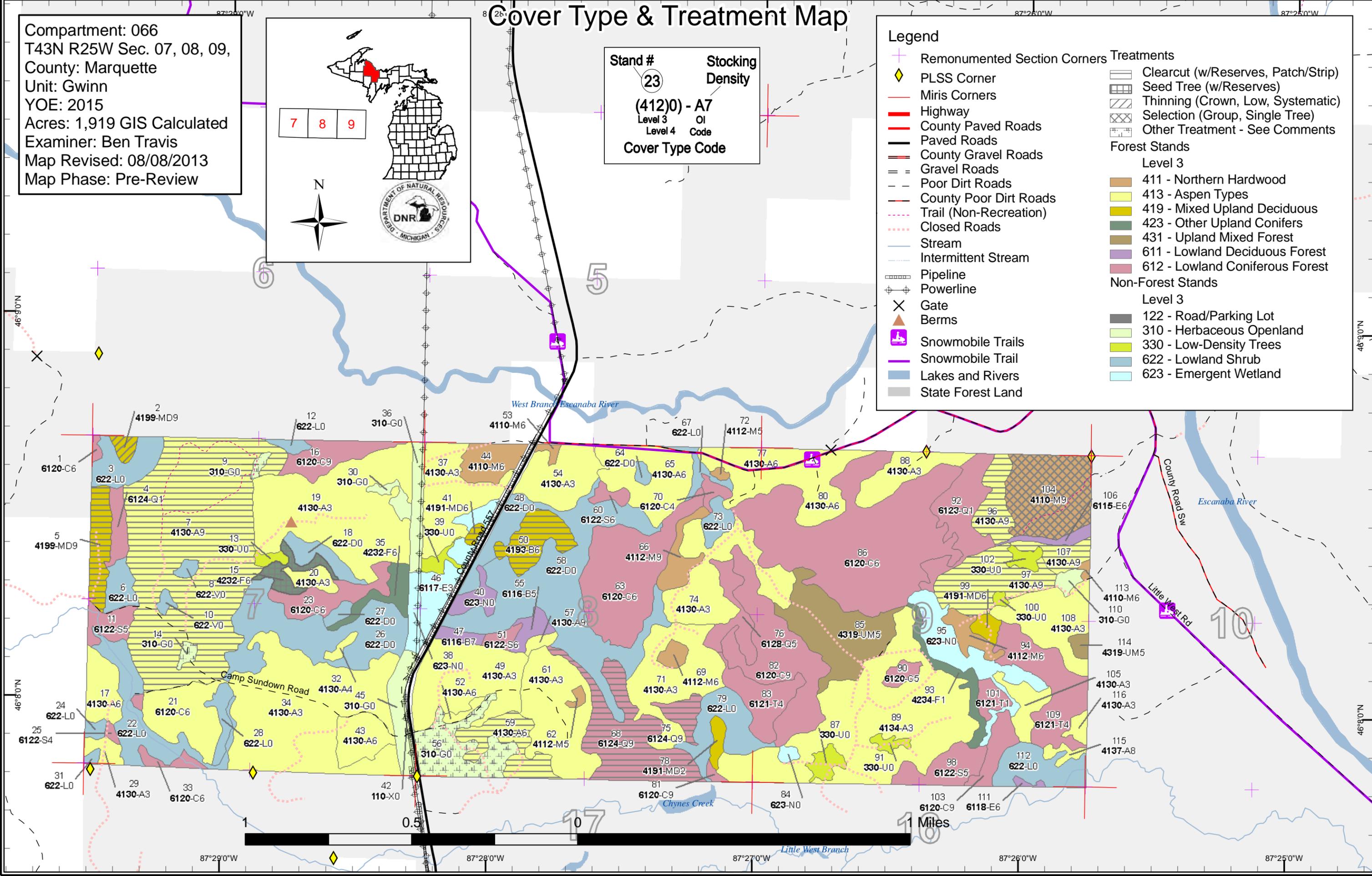
Level 3

▭	411 - Northern Hardwood
▭	413 - Aspen Types
▭	419 - Mixed Upland Deciduous
▭	423 - Other Upland Conifers
▭	431 - Upland Mixed Forest
▭	611 - Lowland Deciduous Forest
▭	612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

▭	122 - Road/Parking Lot
▭	310 - Herbaceous Openland
▭	330 - Low-Density Trees
▭	622 - Lowland Shrub
▭	623 - Emergent Wetland



Stand Boundary Map

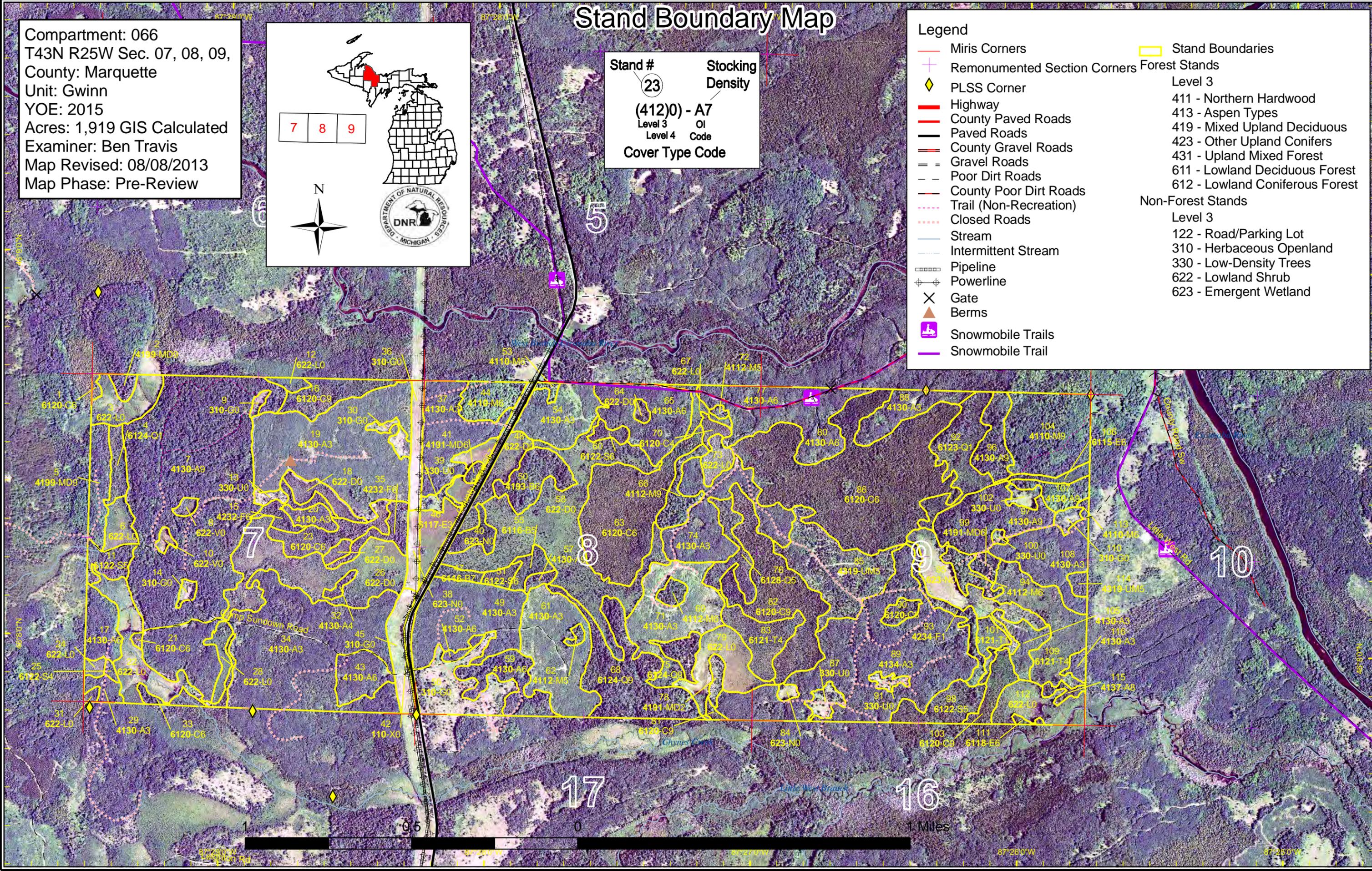
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Stand #
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(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

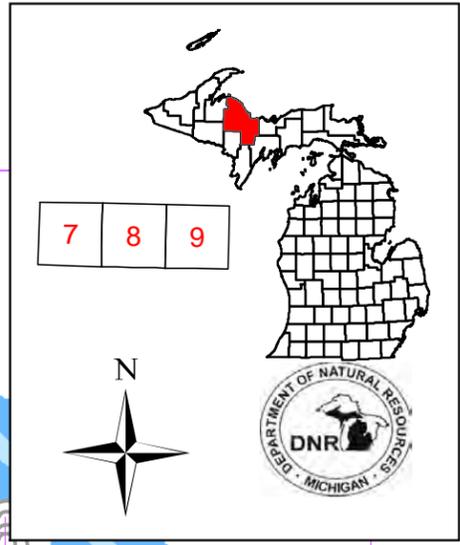
Legend

- Miris Corners
- + Remonumented Section Corners
- ◆ PLSS Corner
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- = Gravel Roads
- - Poor Dirt Roads
- - County Poor Dirt Roads
- - - Trail (Non-Recreation)
- - - - Closed Roads
- Stream
- - - Intermittent Stream
- Pipeline
- ⊕ Powerline
- X Gate
- ▲ Berms
- Snowmobile Trails
- Snowmobile Trail
- Stand Boundaries
- Forest Stands
 Level 3
 411 - Northern Hardwood
 413 - Aspen Types
 419 - Mixed Upland Deciduous
 423 - Other Upland Conifers
 431 - Upland Mixed Forest
 611 - Lowland Deciduous Forest
 612 - Lowland Coniferous Forest
- Non-Forest Stands
 Level 3
 122 - Road/Parking Lot
 310 - Herbaceous Openland
 330 - Low-Density Trees
 622 - Lowland Shrub
 623 - Emergent Wetland



Special Conservation Areas & Site Conditions Map

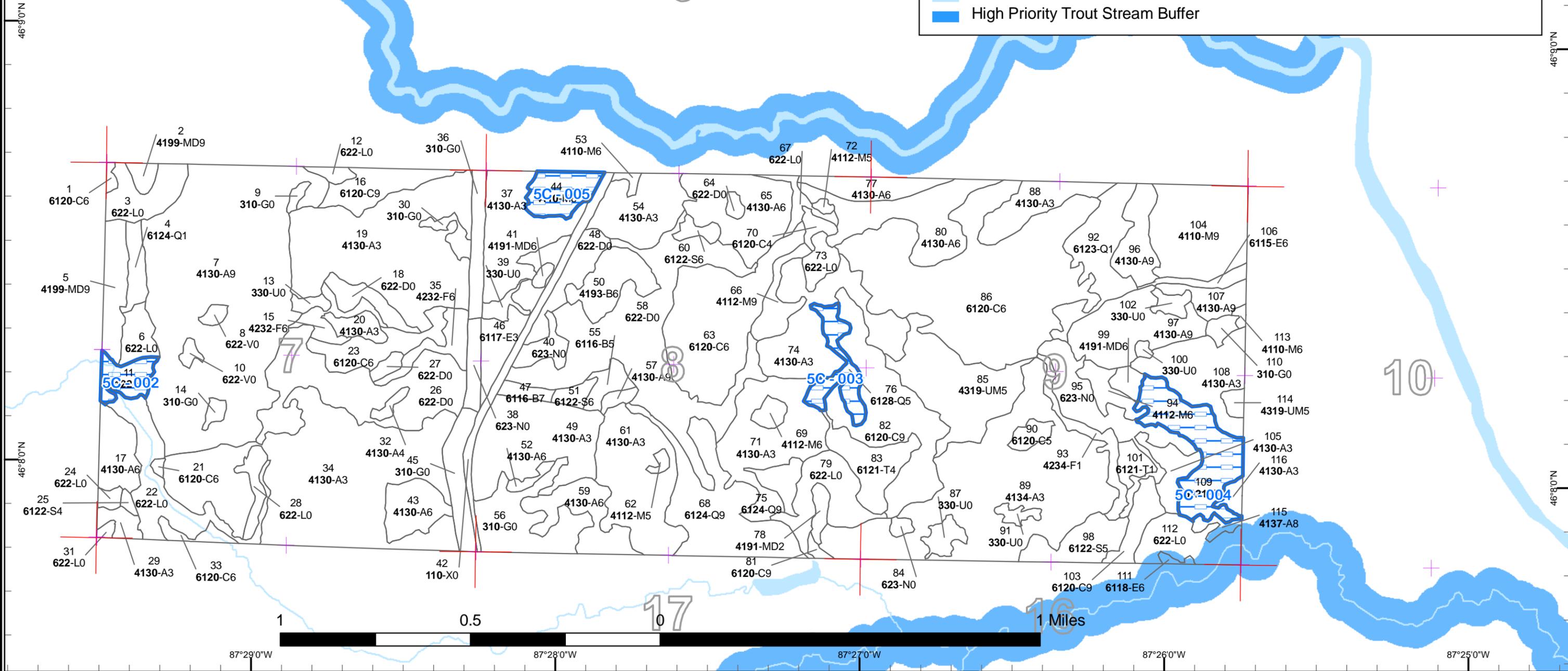
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Stand # **23**
(412)0 - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

Legend

- ✦ Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Site Condition Available
- ▭ Available w/ Constraints (Factor - Number)
- Available Factors W/ Constraints
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- ▭ High Priority Trout Stream Buffer



87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W 87°25'0"W

46°9'0"N

46°8'0"N

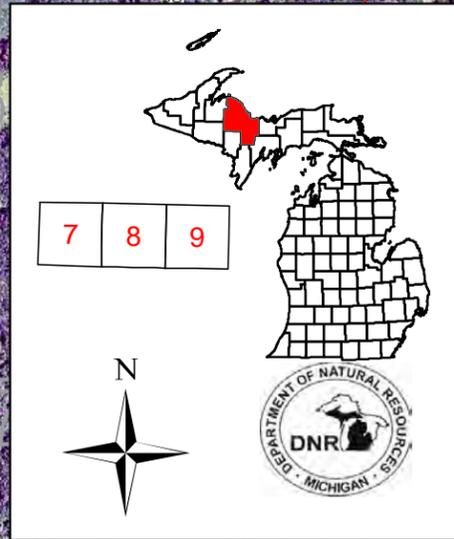
46°9'0"N

46°8'0"N

87°25'0"W

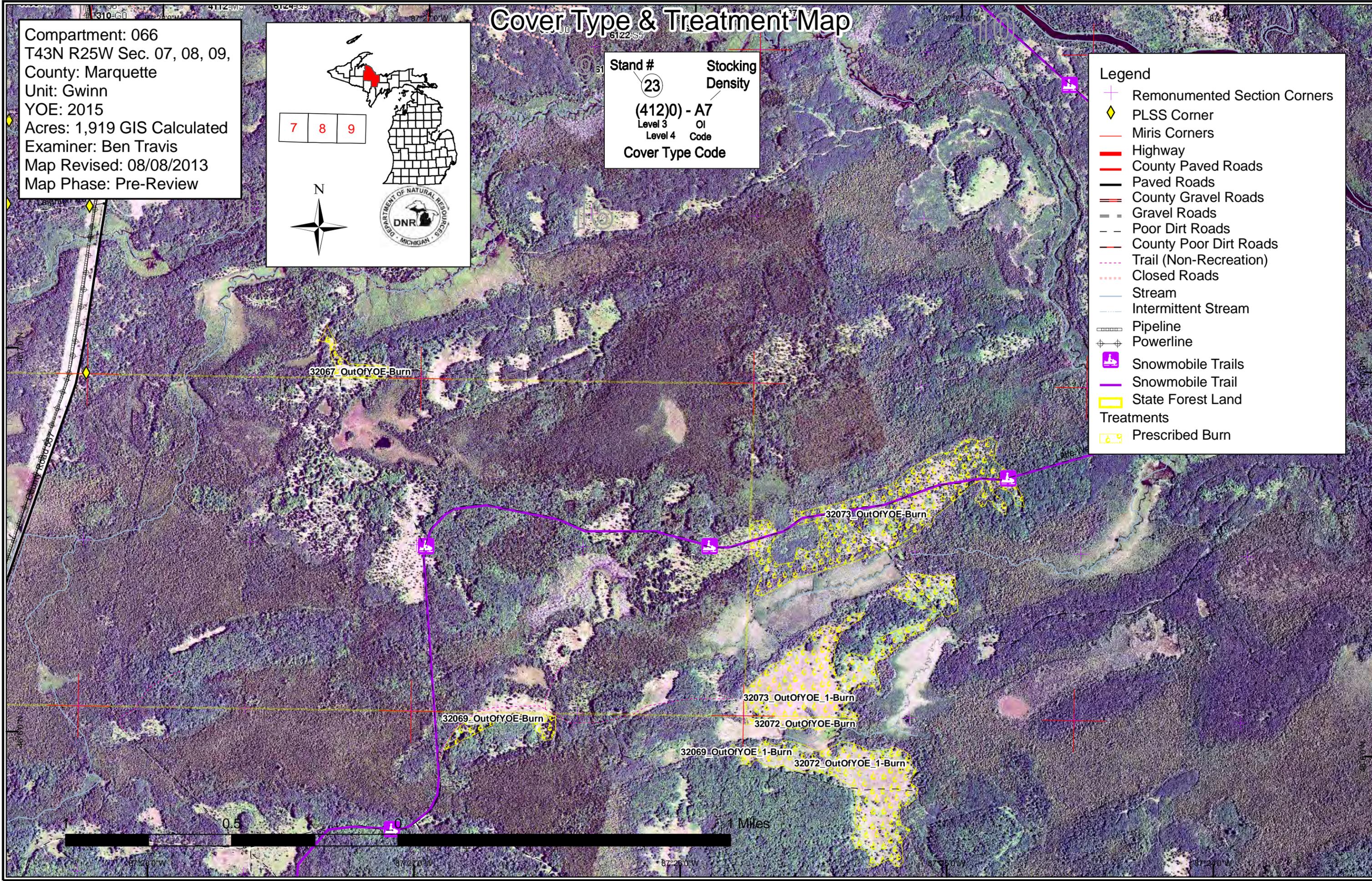
Cover Type & Treatment Map

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 T43N R25W Sec. 07, 08, 09,
 County: Marquette
 Unit: Gwinn
 YOE: 2015
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 Map Revised: 08/08/2013
 Map Phase: Pre-Review



Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

- Legend**
- ✚ Remonumented Section Corners
 - ◆ PLSS Corner
 - Miris Corners
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Closed Roads
 - Stream
 - Intermittent Stream
 - Pipeline
 - Powerline
 - 🛷 Snowmobile Trails
 - Snowmobile Trail
 - 🟡 State Forest Land
 - Treatments**
 - 🛡️ Prescribed Burn



Report 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	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 +		Uneven Age
Aspen	178	263	230	0	28	166	20	0	18	0	0	0	0	0	902
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	4	0	28	227	0	0	258
Herbaceous Openland	55	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Low-Density Trees	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	24	0	0	7	48	0	0	12	0	0	90
Lowland Deciduous	0	0	0	0	0	10	1	0	0	0	0	0	0	0	11
Lowland Shrub	104	0	0	0	0	0	0	0	0	0	0	0	0	0	104
Lowland Spruce/Fir	0	0	0	0	0	0	14	4	11	0	0	0	0	0	30
Marsh	47	0	0	0	0	0	0	0	0	0	0	0	0	0	47
Mixed Upland Deciduous	0	0	3	0	3	0	0	0	18	0	0	0	0	0	25
Northern Hardwood	0	0	0	0	0	0	10	17	46	0	0	0	0	0	73
Paper Birch	0	0	0	0	5	0	3	0	16	0	0	0	0	0	24
Tamarack	0	0	0	5	16	0	30	0	0	0	0	0	0	0	51
Treed Bog	149	0	0	0	0	0	0	0	0	0	0	0	0	0	149
Upland Mixed Forest	0	0	38	0	2	0	0	0	0	0	0	0	0	0	40
Upland Spruce/Fir	0	0	0	9	9	0	0	0	7	0	0	0	0	0	24
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Total	568	263	271	14	88	176	78	28	167	0	28	239	0	0	1919



Report 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit
Year of Entry 2015

Compartment 066
Total Compartment Acres: 1,919

Acres by Treatment Type

Commercial Harvest - 350 Tree Planting - 0 Other - 0
 Habitat Cut - 0 Opening Maintenance - 28

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen Types	224	0	0	0	0	0	224
Lowland Coniferous Forest	48	0	0	0	0	0	48
Mixed Upland Deciduous	30	0	0	0	3	0	33
Northern Hardwood	0	38	0	0	0	0	38
Other Upland Conifers	0	0	7	0	0	0	7
Total	303	38	7	0	3	0	350



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	32066002-Cut	3.0	4199 - Other Mixed Upland Deciduous	High Density Log	83		Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription</u> This stand is an extension of stand 3 in Cmpt 65. Stand 3 is prescribed but factor limited. Both stands would be harvested at same time if factor limits overcome. This prescription duplicates the existing description for stand 3. Mark hardwoods to 70 - 90 sq. ft. residual BA, using the Complete Marker as a guide. Leave some large aspen while harvesting most stems due to advanced age. Retain some large diameter and den trees in order to maintain diversity in stand. Retain small representation of all tree species found in stand. Do not cut hemlock, white pine or cedar.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Monitor regeneration as specified in the Work Instructions. Maple, basswood, cherry, spruce, aspen, birch and fir are acceptable regeneration.</p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										
5	32066005-Cut	13.3	4199 - Other Mixed Upland Deciduous	High Density Log	83	81-110	Harvest	Clearcut with Reserves	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
<p><u>Prescription</u> Retain some spruce. Leave fringe of mature aspen along lowland to east. More homogenous maple patches will be selectively marked.</p> <p><u>Specs:</u> Treatment will result in a patchwork of residual BAs. Retain all hemlock, white pine, red pine, cedar, yellow birch, and oak.</p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Monitor regeneration following Work Instructions. Aspen, maple, birch, pine, spruce and spruce.</p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										
7	32066007-Cut	157.4	4130 - Aspen	High Density Log	54	111-140	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest aspen, fir, spruce, white birch, maple and cherry. Retention will be below 3% to stimulate as much aspen suckering as possible to overcome the advanced maple regeneration. Some scattered mature trees (any species) could be left along the Hunter Walking Trail if desired. Leave all elm, cedar, hemlock, white pine, red pine, yellow birch, and oak. Any purer maple patches could be excluded from sale.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> A Hunter Walking Trail passes through stand. Leave some mature trees around the embedded non-forested stands. Advance proposed sale prep into 2014 YOY due to poor, deteriorating condition of aspen. A 2 inch cutting spec will be used to eliminate most of the maple regeneration. The Hunter Walking Trail will be graded by the logger once harvest operations end to prepare for re-establishment of herbaceous cover, and existing berms near Camp Sundown Rd will be replaced unless a gate has been erected..</p> <p><u>Next Steps:</u> Monitor regeneration as outlined in the Work Instructions. Aspen, birch, pine, fir, spruce and maple are acceptable regeneration.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
15	32066015-Cut	7.1	42320 - Upland Spruce	High Density Pole	85	141-170	Harvest	Seed Tree with Reserves	42320 - Upland Spruce	Cmpt. Review Proposal
<p><u>Prescription</u> Remove spruce, white birch, aspen, red maple and fir. Leave scattered seed trees and small retention patches of mature spruce. Leave some white birch and aspen. Retain any cedar, hemlock, red pine, white pine and yellow birch.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> Monitor regeneration as outlined in the Work Instructions. Spruce, fir, aspen, birch, hemlock and maple are acceptable regeneration.</p> <p><u>Proposed Start Date:</u> 10/01/2014</p>										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
41	32066041-Cut	1.4	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	81	81-110	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<u>Prescription</u> Remove white birch, spruce, fir, maple and aspen. Leave scattered birch and spruce for seed source. Leave any cedar, hemlock, oak, white pine, red pine and yellow birch.										
<u>Specs:</u>										
<u>Other</u> Retention will be less than 3% due small stand area.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Aspen, birch, spruce, fir and maple are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
50	32066050-Cut	15.6	4193 - Birch, Aspen	High Density Pole	82		Harvest	Clearcut with Reserves	4193 - Birch, Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest white birch, spruce, aspen, fir and maple. Retain hemlock, white pine, red pine, oak, cedar, yellow birch and black cherry. Use patch retention. Will be able to use boundary line to exclude pockets of spruce for retention.										
<u>Specs:</u>										
<u>Other</u> Logging access will require freezing in bog areas. Crane mats may be required for access route. Parks and Recreation Division approved use of snowmobile trail during winter time to allow access to Co Rd 557.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Birch, spruce, aspen, cherry, fir and maple are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
59	32066059-Cut	17.8	4130 - Aspen	High Density Pole	64	51-80	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest aspen, fir, and maple. Use patch exclusion for retention. Leave yellow birch, spruce, oak, cedar, hemlock, white pine and red pine.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Aspen, maple, fir, spruce and birch are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
68	32066068-Cut	41.6	6124 - Lowland Spruce-Fir	High Density Log	80	81-110	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Harvest aspen, balsam poplar, spruce, tamarack, fir, maple and white birch. Patch exclusion will be used for retention. Leave hemlock, white pine, cedar and yellow birch.										
<u>Specs:</u>										
<u>Other</u> Stand will need to be cut in winter due to mosaic of low and high ground within stand.										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Aspen, spruce, fir, maple, balsam poplar, tamarack, cedar, hemlock and pine are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
75	32066075-Cut	6.2	6124 - Lowland Spruce-Fir	High Density Log	80	81-110	Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
<u>Prescription</u> Harvest fir, spruce, aspen, balsam poplar, maple and white birch. Use patch exclusion for retention. Leave cedar, hemlock, white pine and yellow birch.										
<u>Specs:</u>										
<u>Other</u>										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Fir, spruce, aspen, balsam poplar, maple, birch, cedar and hemlock are acceptable										
<u>Steps:</u> regeneration.										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
96	32066096-Cut	13.1	4130 - Aspen	High Density Log	80	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest aspen, balsam poplar, maple, white birch and fir. Use patch exclusion for retention. Incorporate vernal pond into a retention patch. Leave cedar, hemlock, spruce, white pine, cherry and yellow birch.										
<u>Specs:</u>										
<u>Other</u> The snowmobile trail won't be used during the snowmobile season for logging purposes (summer and/or Fall operations only).										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined by Work Instructions. Aspen, balsam poplar, fir, spruce, birch and maple are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
97	32066097-Cut	28.1	4130 - Aspen	High Density Log	48	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest aspen, balsam poplar, fir, maple and white birch. Use patch exclusions to meet retention. Exclude patches of pure hardwood. Leave some spruce and cherry. Leave cedar, hemlock, white pine, oak and yellow birch.										
<u>Specs:</u>										
<u>Other</u> The snowmobile trail won't be used during the snowmobile season for logging purposes (summer and/or Fall operations only).										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Aspen, birch, balsam poplar, cherry, maple, fir and spruce are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
104	32066104-Cut	37.7	4110 - Sugar Maple Association	High Density Log	80	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription</u> Mark hardwoods to a residual BA of 80 to 90 sq. ft., using applicable guidelines. Create regeneration gaps where appropriate. Remove majority of aspen, leaving some scattered trees. Leave cedar, hemlock, spruce and white pine.										
<u>Specs:</u>										
<u>Other</u> The snowmobile trail won't be used during the snowmobile season for logging purposes (summer and/or Fall operations only).										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Acceptable regeneration includes a mix of hardwood species.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										
107	32066107-Cut	8.1	4130 - Aspen	High Density Log	55		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<u>Prescription</u> Harvest maple, fir, white birch and aspen. Use retention patches. Exclude any pure patches of maple. Leave spruce, oak, hemlock, yellow birch, cedar and white pine.										
<u>Specs:</u>										
<u>Other</u> The snowmobile trail won't be used during the snowmobile season for logging purposes (summer and/or Fall operations only).										
<u>Comments:</u>										
<u>Next</u> Monitor regeneration as outlined in Work Instructions. Aspen, fir, spruce, maple and birch are acceptable regeneration.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> 10/01/2014										

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
32067_OutOfY OE-Burn	5.4					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete
<u>Prescription</u> This area has a history of openings management. Work with FMD Fire Specialist on burn plan.									
<u>Specs:</u>									
<u>Other</u> This opening is part of a larger stand in adjacent compartment that has an approved prescribed burn treatment.									
<u>Comments:</u>									
<u>Next</u> Monitor results and level of success.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> Unspecified									
32069_OutOfY OE_1-Burn	0.5					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete
<u>Prescription</u> This area has a history of openings management. Work with FMD Fire Specialist on burn plan.									
<u>Specs:</u>									
<u>Other</u> This stand is part of a larger opening that is being prescribed for a burn.									
<u>Comments:</u>									
<u>Next</u> Monitor results and level of success.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> Unspecified									
32069_OutOfY OE-Burn	7.4					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete
<u>Prescription</u> This area has a history of openings management. Work with FMD Fire Specialist on burn plan.									
<u>Specs:</u>									
<u>Other</u> This opening is part of a stand in adjacent compartment that has an approved prescribed burn treatment.									
<u>Comments:</u>									
<u>Next</u> Monitor results and level of success.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> Unspecified									
32072_OutOfY OE_1-Burn	50.2					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete
<u>Prescription</u> This area has a history of openings management. Work with FMD Fire Specialist on burn plan.									
<u>Specs:</u>									
<u>Other</u> This opening is a large stand that is in close proximity to approved prescribed burns in an adjacent compartment.									
<u>Comments:</u>									
<u>Next</u> Monitor results and level of success.									
<u>Steps:</u>									
<u>Proposed</u>									
<u>Start Date:</u> Unspecified									



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	32072_OutOfY OE-Burn	3.4					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete

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

Other This opening is part of larger stand in adjacent compartment that is being prescribed for a burn.
Comments:

Next Monitor results and level of success.
Steps:

Proposed
Start Date: Unspecified

	32073_OutOfY OE_1-Burn	60.3					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete
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Prescription This area has a history of openings management. Work with FMD Fire Specialist on burn plan.
Specs:

Other This large opening is in close proximity to approved prescribed burn prescriptions in an adjacent compartment.
Comments:

Next Monitor results and level of success.
Steps:

Proposed
Start Date: Unspecified

	32073_OutOfY OE-Burn	82.4					Prescribed Burn	Unspecified	310 - Herbaceous Openland	Cmpt. Review Decision - Incomplete
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Prescription This area has a history of openings management. Work with FMD Fire Specialist on burn plan.
Specs:

Other This large opening is part of a stand in a adjacent compartment that has an approved prescribed burn treatment.
Comments:

Next Monitor results and level of success.
Steps:

Proposed
Start Date: Unspecified

18	NF_32068018- Burn	95.2	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
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Prescription Work with FMD Fire Officers on burn plan.
Specs:

Other
Comments:

Next Monitor for results and success.
Steps:

Proposed
Start Date: Unspecified



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23	NF_32068023- Burn	26.8	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with FMD Fires Specialists on burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results and success.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
28	NF_32068028- Burn	4.5	310 - Herbaceous Openland				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with FMD Fire Specialist on burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results and level of success.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
37	NF_32068037- Burn	6.3	310 - Herbaceous Openland				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with FMD Fire Specialist to develop burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
40	NF_32068040- Burn	13.1	310 - Herbaceous Openland				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with FMD Fire Specialists to develop burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
41	NF_32068041- Burn	8.5	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with FMD Fires Specialists on burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results and level of success.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
49	NF_32068049- Burn	6.5	3105 - Mixed Upland Herbaceous				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with Fire Specialist to develop burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
50	NF_32068050- Burn	29.5	3205 - Mixed Upland Shrub				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with FMD Fire Specialist on burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results and level of success.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
55	NF_32068055- Burn	5.9	310 - Herbaceous Openland				Prescribed Burn	Unspecified	3102 - Grass	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Work with Fire Specialist to develop burn plan.										
<u>Specs:</u>										
<u>Other</u> <u>Comments:</u>										
<u>Next</u> Monitor results.										
<u>Steps:</u>										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										
9	NF_32066009- NonFor	1.5	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	211 - Cropland	Cmpt. Review Proposal
<u>Prescription</u> If funds and personnel are available, the hunter walking trail and this grassy opening will be managed. Management activities may include										
<u>Specs:</u> mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. Opening may also be planted with shrubs, fruit trees, or oaks.										
<u>Other</u> <u>Comments:</u> Part of the the proposed Upper Peninsula Grouse Trail Project with WLD Division. Possible partnership with local sportsmen organizations.										
<u>Next</u> <u>Steps:</u> Once harvest in complete in Std 7, maintain the Hunter Walking Trail provided that funding and personnel are available. Opening may be managed prior to timber harvest.										
<u>Proposed</u>										
<u>Start Date:</u> Unspecified										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
14	NF_32066014- NonFor	2.0	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription:</u> If funds and personnel are available, this grassy opening will be managed. Management activities may include mowing, seeding to a wildlife mix or rye, and fertilizing. If a perennial crop is selected, herbicide use may be needed to prepare the seed bed. Annual maintenance may include replanting (if an annual crop is selected), mowing, brush clearing, and fertilizing. May include planting of hard and soft mast trees and/or shrubs to benefit wildlife.										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> Unspecified										
56	NF_32066056- NonFor	24.4	3105 - Mixed Upland Herbaceous				Non-Forest Management	Other - Specify	310 - Herbaceous Openland	Cmpt. Review Proposal
<u>Prescription:</u> WLD may plant oak within this stand.										
<u>Other Comments:</u>										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> Unspecified										
Total Treatment Acreage Proposed:		784.1								



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

**Total Treatment
Acreage Proposed: 0**

Report 5 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment 066
Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5C
	Available	Not Available			
902	902		Aspen	902	
258	258		Cedar	258	
90	90		Lowland Conifers	78	12
11	11		Lowland Deciduous	11	
30	30		Lowland Spruce/Fir	22	8
25	25		Mixed Upland Deciduous	25	
73	73		Northern Hardwood	61	12
24	24		Paper Birch	24	
51	51		Tamarack	21	30
40	40		Upland Mixed Forest	40	
24	24		Upland Spruce/Fir	24	
1,529	1,529		Total Forested Acres	1,467	62
	100%		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
002	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8				
Comments:							
003	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12				
Comments:							

Report 5 – Site Conditions

Gwinn Mgt. Unit
Ben Travis : Examiner

Compartment 066
Year of Entry 2015

004	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	30	2G: Too wet (sensitive soils, does not include access issues)
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Comments:

005	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	
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Comments:

Treatment of this stand was deferred at pre-review to reduce the number of total Gwinn Unit hardwood acres being treated.



Report 6 – 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 7 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.
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	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.

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Gwinn Mgt. Unit

Report 8 – Forested Stands

Compartment: 066
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6120 - Lowland Cedar	High Density Pole	1.1	118	81-110	
2	4199 - Other Mixed Upland Deciduous	High Density Log	3.0	83		Access to stand is problematic due to wetlands and private land issues.
4	6124 - Lowland Spruce- Fir	Low Density Sapling	6.7	73		Cedar distributed in clumps. White birch saplings found.
5	4199 - Other Mixed Upland Deciduous	High Density Log	13.3	83	81-110	Decadent trembling aspen, with pockets of windthrow. Some bigtooth aspen present. Poor timber quality to red maple. White spruce saplings.
7	4130 - Aspen	High Density Log	157.4	54	111-140	Hunter Walking Trail passes through stand. Pockets of aspen blowdown and snags. Basswood and yellow birch are infrequent overstory associates.
11	6122 - Black Spruce	Medium Density Pole	8.1	83		Stocking lower to west. Cedar and tamarack are infrequent overstory associates. White birch saplings found.
15	42320 - Upland Spruce	High Density Pole	7.1	85	141-170	Upland ridges. Aspen is past prime condition. Black cherry saplings present.
16	6120 - Lowland Cedar	High Density Log	13.8	108		White birch and white spruce poletimber present.
17	4130 - Aspen	High Density Pole	12.8	26		
19	4130 - Aspen	High Density Sapling	79.3	7		Good stocking levels. Uncommon black spruce saplings. Small opening in center of stand. Apple tree in stand to northeast.
20	4130 - Aspen	High Density Sapling	5.3	26		
21	6120 - Lowland Cedar	High Density Pole	0.8	105		
23	6120 - Lowland Cedar	High Density Pole	14.6	110	111-140	
25	6122 - Black Spruce	Low Density Pole	1.1	72		White birch and fir poles present.
29	4130 - Aspen	High Density Sapling	4.4	26		Stand transitioning to poletimber stand. White birch and fir found in overstory. Red maple, white birch, black cherry and white spruce spalings present.
32	4130 - Aspen	Low Density Pole	2.0	80		This stand is small knoll within wetland. The featured stand is the spruce understory. Sparse overstory, small acreage and isolated situation limit management options.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	6120 - Lowland Cedar	High Density Pole	3.5	85		
34	4130 - Aspen	High Density Sapling	117.9	18		Trembling aspen range from 2 to 6 inches Dbh. Well-stocked stand. Some small 1 stick trees. White birch, yellow birch and black cherry poles present. Yellow birch and elm saplings present.
35	42320 - Upland Spruce	High Density Pole	8.6	48		Spruce range from 1/2 to 2 sticks in merchantable height, though most are 1 stick. Patches of larger spruce to west.
37	4130 - Aspen	High Density Sapling	30.2	17		Some small scattered openings with black spruce invading.
41	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	1.4	81	81-110	Some very large bigtooth aspen trees.
43	4130 - Aspen	High Density Pole	12.9	26	51-80	Fully stocked stand with many submerchantable stems. Balsam fir and white spruce poles present.
44	4110 - Sugar Maple Association	High Density Pole	11.8	75	111-140	Maple regeneration lacking.
46	6117 - Lowland Deciduous, Mixed Coniferous	High Density Sapling	6.1	55	1-50	Some balsam poplar poletimber. Stand is mix of birch and spruce patches.
47	6116 - Lowland Birch	Low Density Log	3.2	60	1-50	Sparse overstory. Some small patches of black spruce poles. Red-osier dogwood, white birch saplings and red maple saplings found. Balsam poplar and elm poles present.
49	4130 - Aspen	High Density Sapling	41.9	15		Well-stocked. Sugar maple, black cherry and elm saplings found.
50	4193 - Birch, Aspen	High Density Pole	15.6	82		Birch and aspen mortality. Bigtooth aspen is in prime timber condition. Heavier fir and spruce along edge of stand. Cedar, black cherry and yellow birch are infrequent overstory associates.
51	6122 - Black Spruce	High Density Pole	3.3	71		
52	4130 - Aspen	High Density Pole	2.1	28	81-110	Aspen healthy. White spruce saplings and poles present.
53	4110 - Sugar Maple Association	High Density Pole	1.5	72	81-110	Yellow birch saplings and beaked hazel located. White spruce, ironwood and white birch poletimber present.
54	4130 - Aspen	High Density Sapling	22.6	8		Clumps of sugar maple poles to northeast corner of stand. Regeneration good. Aspen range from 16 to 24 fet tall. White birch, black cherry, balsam poplar and white spruce saplings present. Elm poletimber found. Some small poorly stocked areas.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
55	6116 - Lowland Birch	Medium Density Pole	5.4	42		Fir saplings found.
57	4130 - Aspen	High Density Log	2.2	63	51-80	This stand was left as retention patch out of final harvest to the south. White birch and aspen healthy.
59	4130 - Aspen	High Density Pole	17.8	64	51-80	Deterioration of larger aspen. Lot of blowdown. Black cherry, white spruce and yellow birch poletimber. Black cherry saplings.
60	6122 - Black Spruce	High Density Pole	3.1	83	81-110	Many one stick trees. White birch poletimber present.
61	4130 - Aspen	High Density Sapling	39.8	7		Well-stocked regeneration. Aspen are 8 to 16 feet tall. Fir and black spruce saplings found.
62	4112 - Maple, Beech, Cherry Association	Medium Density Pole	1.4	65	51-80	Retention patch from past timber sale. White spruce poletimber present.
63	6120 - Lowland Cedar	High Density Pole	50.1	115		
65	4130 - Aspen	High Density Pole	28.8	27	51-80	Some scattered aspen are 8 inch Dbh, some fir 10 inch dbh. White spruce and red maple saplings found. Black cherry, white spruce and red maple are uncommon overstory associates.
66	4112 - Maple, Beech, Cherry Association	High Density Log	8.6	80	81-110	Many large gaps in overstory. Very dense sugar maple regeneration. Ironwood saplings present.
68	6124 - Lowland Spruce- Fir	High Density Log	41.6	80	81-110	Mix of upland and lowland. Higher proportion of aspen to south.
69	4112 - Maple, Beech, Cherry Association	High Density Pole	3.4	75	81-110	Some lowland pockets. Groves of cedar.
70	6120 - Lowland Cedar	Low Density Pole	3.0	103		Very weak crowns on many cedar due to flooding, which has also caused mortality.
71	4130 - Aspen	High Density Sapling	36.5	5		Aspen range from 10 to 16 feet tall. Good stocking overall.
72	4112 - Maple, Beech, Cherry Association	Medium Density Pole	1.0	65	1-50	
74	4130 - Aspen	High Density Sapling	37.1	14		Well stocked, vigorous stand. Dense patches of white pine and white spruce along road to east. Trees within southeast portion of stand are somewhat larger diameter. Red maple is infrequent overstory associate. Black spruce, cedar and black cherry saplings present.
75	6124 - Lowland Spruce- Fir	High Density Log	6.2	80	81-110	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
76	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	11.7	115		
77	4130 - Aspen	High Density Pole	11.4	26		Thrifty aspen. 1/2 stick to 2 stick merchantable heights. Uncommon white birch poles.
78	4191 - Mixed Upland Deciduous with Conifer	Medium Density	3.3	23		
80	4130 - Aspen	High Density Pole	29.6	26	51-80	Well-stocked. Balsam poplar saplings and small poles found. White pine, white spruce and cedar saplings present.
81	6120 - Lowland Cedar	High Density Log	1.2	109		
82	6120 - Lowland Cedar	High Density Log	44.4	115	141-170	Patchy overstory stocking with more fir saplings and tag alder in lower stocked areas. Cedar crowns are full and healthy. Black ash, yellow birch, white pine, tamarack and black spruce are infrequent overstory associates. Tamarack saplings found.
83	6121 - Tamarack	Low Density Pole	16.2	43		
85	4319 - Mixed Upland Forest	Medium Density Pole	38.1	23		Upland brush and dense pockets of fir saplings. Stand transitioning to fir dominance. Linear small gaps. White birch poletimber found. White pine and white birch saplings present.
86	6120 - Lowland Cedar	High Density Pole	113.2	115	111-140	Some good cedar bolts but mainly poor form.
88	4130 - Aspen	High Density Sapling	15.2	26		White spruce and white pine saplings on old landing. Well-stocked stand. Lot of raspberry.
89	4134 - Aspen, Spruce/Fir	High Density Sapling	104.5	23		This stand is likely to convert to hardwood.
90	6120 - Lowland Cedar	Medium Density Pole	3.9	115	111-140	Black spruce and cherry saplings present.
92	6123 - Lowland Fir	Low Density Sapling	23.9	45		Very heavy tag alder. Cedar sapling present.
93	42340 - Upland Spruce/Fir	Low Density Sapling	8.6	32	1-50	
94	4112 - Maple, Beech, Cherry Association	High Density Pole	6.9	65	81-110	White pine saplings increase in number to west. White pine sawtimber -sized trees found. White spruce in canopy. Some red pine saplings present.
96	4130 - Aspen	High Density Log	13.1	80	81-110	Frequent aspen snags and other aspen with top die-back/defect. Three stick fir common. Abundant fir and aspen deadfall. Yellow birch saplings, black cherry poletimber, and white pine sawtimber-sized trees found. Some vernal ponds within stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
97	4130 - Aspen	High Density Log	28.1	48	81-110	Aspen range from 10 to 16 inches Dbh. High incidence of defect in aspen boles. Lot of aspen deadfall. 4 and 5 sticks of merchantable height to aspen. White spruce, black cherry and ironwood poletimber found. White spruce and black cherry saplings present.
98	6122 - Black Spruce	Medium Density Pole	14.0	68		Sphagnum abundant. 1 and 2 stick merchantable heights to spruce. Stocking becomes lower to east, and percentage of tamarack increases.
99	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	3.5	45		
101	6121 - Tamarack	Low Density Sapling	4.9	35		
103	6120 - Lowland Cedar	High Density Log	8.7	105		
104	4110 - Sugar Maple Association	High Density Log	37.7	80	111-140	
105	4130 - Aspen	High Density Sapling	8.9	14		
106	6115 - Lowland Ash	High Density Pole	4.0	57		Standing water. Most ash range from 6 to 8 inches Dbh. Sedge. White spruce saplings.
107	4130 - Aspen	High Density Log	8.1	55		
108	4130 - Aspen	High Density Sapling	26.9	14		Fully stocked and vigorous. White pine saplings along two-track.
109	6121 - Tamarack	Low Density Pole	30.0	65		Just makes the 25% canopy cover criteria.
111	6118 - Lowland Deciduous with Cedar	High Density Pole	1.0	60		
113	4110 - Sugar Maple Association	High Density Pole	1.0	60	81-110	
114	4319 - Mixed Upland Forest	Medium Density Pole	2.3	40		
115	4137 - Aspen, Birch	Medium Density Log	2.7	83	1-50	
116	4130 - Aspen	High Density Sapling	2.8	24		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6220 - Alder/willow	13.8	No	Low (NonForested)	
6	6220 - Alder/willow	7.4	No	Unspecified	Leatherleaf. Tamarack and cedar saplings present.
8	6225 - Bog	1.8	No	Unspecified	
9	3105 - Mixed Upland Herbaceous	1.5	No	Medium (NonForested)	Connected to old Hunter Walking Trail.
10	6225 - Bog	1.7	No	Unspecified	No standing water.
12	6220 - Alder/willow	2.4	No	Low (NonForested)	
13	3301 - Low Density Deciduous Tree	2.2	N/A	Unspecified	Edge of opening bermed. Trembling aspen saplings most common tree found. White spruce and black cherry saplings present. Some white spruce poletimber. Moderate to poor quality grass forage. Opening associated with Hunter Walking Trail.
14	3105 - Mixed Upland Herbaceous	2.0	N/A	Unspecified	Some encroaching aspen saplings along edge. Thick grass - good forage quality. Some black cherry and fir saplings.
18	6224 - Treed Bog	7.6	No	Low (NonForested)	
22	6220 - Alder/willow	25.2	No	Low (NonForested)	
24	6220 - Alder/willow	2.0	No	Unspecified	Flooded dead cedar, with some small patches of live cedar and spruce.
26	6224 - Treed Bog	48.0	No	Unspecified	A lot more black spruce saplings than tamarack saplings. Sparse tamarack poles. Bog birch.
27	6224 - Treed Bog	2.3	No	Low (NonForested)	
28	6220 - Alder/willow	5.6	No	Low (NonForested)	
30	3105 - Mixed Upland Herbaceous	3.9	No	Low (NonForested)	Aspen saplings closing in along perimeter. Cherry brush. White pine, fir and red maple saplings found. Small patches of blueberry. Stand about 80 percent openland.
31	6220 - Alder/willow	1.0	No	Unspecified	Scattered black spruce poles.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
36	3105 - Mixed Upland Herbaceous	9.0	Yes	Low (NonForested)	Powerline right-of-way.
38	6233 - Wet Meadow	5.8	Yes	Low (NonForested)	Powerline right-of-way.
39	3303 - Mixed Low Density Trees	3.1	N/A	Unspecified	Some small clones of bigtooth aspen saplings. Scattered fir, red maple and black spruce saplings.
40	6230 - Cattail	16.6	No	Low (NonForested)	
42	11 - Low Intensity Urban	13.4	Yes	Low (NonForested)	
45	3103 - Rubus-Fern	12.0	Yes	Low (NonForested)	Powerline right-of-way.
48	6224 - Treed Bog	10.9	No	Low (NonForested)	
56	3105 - Mixed Upland Herbaceous	24.4	No	Low (NonForested)	Red oak was planted here in past. Unable to locate FTP. Several types of herbivory barriers used on oaks. Some scattered oaks still survive within wire mesh barriers, but are browsed down outside the wire. Scattered aspen and black cherry sapling clumps. Some A6 clumps. Chokecherry patches. Stand still approximately 80% open.
58	6224 - Treed Bog	78.7	No	Low (NonForested)	Thick leatherleaf. Standing water.
64	6224 - Treed Bog	1.7	No	Low (NonForested)	Tamarack saplings predominant tree.
67	6220 - Alder/willow	4.4	No	Low (NonForested)	
73	6220 - Alder/willow	5.7	No	Low (NonForested)	
79	6220 - Alder/willow	19.6	No	Low (NonForested)	
84	6233 - Wet Meadow	1.6	No	Low (NonForested)	
87	3301 - Low Density Deciduous Tree	4.7	No	Low (NonForested)	Sedge/grass quite lush. Stand still around 80% open. Cherry and aspen poles present. Cherry brush common. White pine and white spruce saplings presnt. Sporadic white spruce poles.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
91	3301 - Low Density Deciduous Tree	2.5	No	Low (NonForested)	Rolling terrain and rough ground. Grass/sedge of moderate quality for forage. Stand is approximately 60% open. Cherry brush is dominant. Cherry, trembling aspen and red maple poles found. Sporadic white spruce saplings.
95	6233 - Wet Meadow	23.2	No	Low (NonForested)	Flooded, dead cedar.
100	3301 - Low Density Deciduous Tree	1.1	No	Low (NonForested)	Cherry, aspen, white spruce and balsam poplar saplings present. Fir and white spruce poles found.
102	3303 - Mixed Low Density Trees	3.3	No	Low (NonForested)	
110	31021 - Cool Season Grass	2.8	No	Low (NonForested)	Patches of A3 and F3. Good forage quality grass. Stand about 80% open.
112	6220 - Alder/willow	17.1	No	Low (NonForested)	