



**Gladwin Forest Management Unit
Compartment Review Presentation
Compartment #50 Entry Year: 2012
Compartment Acreage: 1591 County: Gladwin**

Revision Date: March 2010, Oct 2010

Stand Examiner: Steven Nyhoff

Legal Description: T19N, R2E, Section 17 & 18
T19N, R1E, Section 13

Identified Planning Goals ('Management Area' or 'RMU', if applicable): None

Management Goals: The compartment has been managed for early successional aspen types over the last 30 years. Many of the stands in the compartment that were easily harvested have been cut. What is left are some mature jack pine stands on inoperable soils. Therefore, what is scheduled to be harvested is one overmature oak type and one younger aspen/oak type. The early harvest is needed because of the soils under the compartment, for many are hydric soils. On these soils, early harvests are often needed to maintain the aspen types.

Continue to manage the compartment for the current cover type where possible. In the stands that are inoperable because of wetness, let them convert to later successional types. This will, in time, increase the amount of swamp hardwood and tamarack in the compartment. The biodiversity will be increased overtime.

Soil and Topography: The terrain is generally level but hummocky with a lot of micro relief. The greatest relief is around the Rubicon sand ridges.

The soils are generally hydric (45%), being mainly Hettinger-Bervort-Burleigh association, Allendale-Pinconning-Pickfort and Kinross soils. There are drier soils (15%), Croswell-AuGres-Kinross association and Rubicon. The rest of the soils (40%) are Iosco association.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The compartment is a contiguous block of state ownership. The area is part of a large area of state ownership mainly to the east, north and south. Sections 14 and 15 are adjacent to stale land; section 13 is surrounded by private land. The private lands are used for permanent residences. Most of the ownerships are small in size.

Unique, Natural Features: There are no records of occurrences and no sites were located during the inventory process.

Archeological, Historical, and Cultural Features: There are no records of occurrences and no sites were located during the inventory process.

Special Management Designations or Considerations: None

Watershed and Fisheries Considerations: There is a drain that runs through section 14 and section 15. These are sand bottom, warm water drains and flow into the Molasses River.

Wildlife Habitat Considerations: This compartment is highly rated reference the area's value or ability to support a wide variety of wildlife species. Habitat cover types are conducive to the production of good grouse and woodcock numbers, as the older A3 stands provide the essential loafing locations during the day,

while L types produce attractive feeding areas toward evening. The necessity for disturbance as a means of maintaining early successional stage forests for grouse and deer cannot be over emphasized within this compartment. Hunter use of the area in search of grouse and woodcock is very intense.

The implementation of wildlife projects is slowed or the resulting positive values negated due to chronic ORV abuses. These issues must be controlled and remain the first order of business before 'habitat management projects' can be implemented or maintained within this compartment.

Two 16' steel gates are present within sections 17 and 18 (1/section) that protect and provide access to three annually maintained wildlife openings.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of fine-textured glacial till. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift is the Pennsylvanian Saginaw Formation. The Saginaw Formation is used for clay/shale in other areas of the State. This area is predominantly sand, and gravel potential in the compartment is considered limited. Very little oil and gas exploration has occurred in this area, and potential is fair. The two well Secord Field is located one mile to the northwest. The field, discovered in 1937, produced 12,000 BO from the Dundee. There are no current oil and gas leases.

Vehicle Access: The access into the compartment is fair via two-tracks off Secord Dam and Wildwood Shores Road. The overall vehicular access is fair.

Survey Needs: Much of the state land is surrounded by state ownership and the private land has been heavily surveyed so no survey is need at the current time.

Recreational Facilities and Opportunities: There are no established recreation facilities in the compartment. The area is used heavily for hunting and there are several traditional hunting camps in the compartment.

Fire Protection: The area has about 45% lowland with fair to good access to most of the compartment. Therefore, the potential for fire is moderate to low.

Additional Compartment Information: None

Cover Type & Treatment Map

Compartment 50
 T19N, R01W, Sec. 13
 T19N, R02W, Sec. 17, 18
 County: Gladwin
 Unit: Gladwin
 YOE: 2012
 Acres: 1,594 GIS Calculated
 Stand Examiner: Steve Nyhoff
 Map Revised: 10/18/2010
 Map Phase: Pre-Review

Legend

- Miris Corners
- + Remonumented Section Corners
- County Paved Roads
- Poor Dirt Roads
- Closed Roads
- Utility Lines
- Power
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Seeding (tree species)

Forest Stands

Level 3

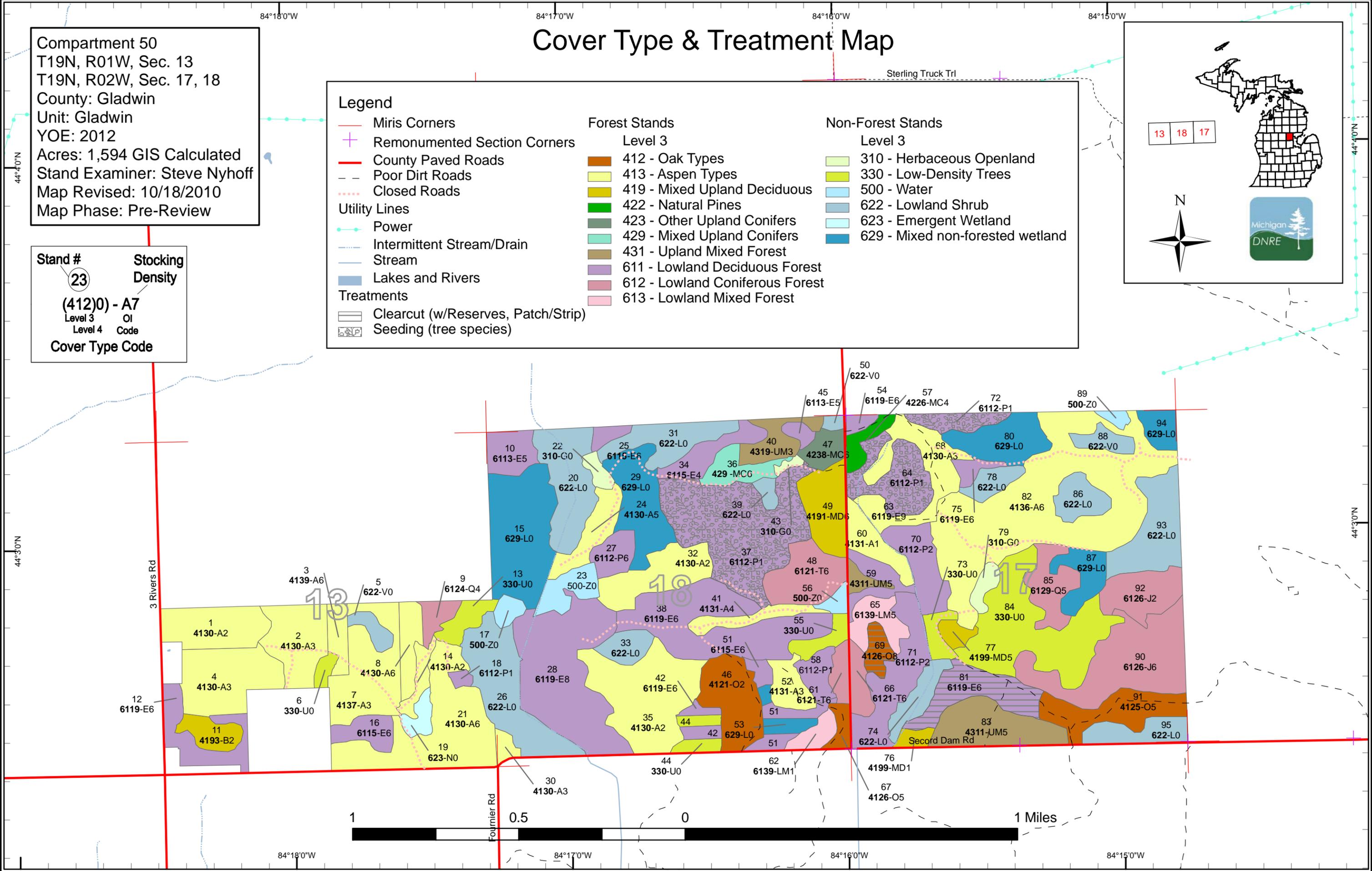
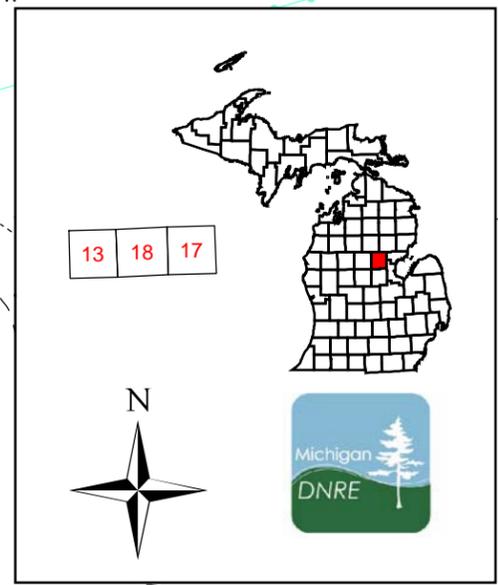
- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland

Stand #	Stocking Density
(23)	
(4120) - A7	
Level 3	OI
Level 4	Code
Cover Type Code	



Stand Boundary Map

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 T19N, R01W, Sec. 13
 T19N, R02W, Sec. 17, 18
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 Map Revised: 10/18/2010
 Map Phase: Pre-Review

Stand #
 23
Stocking Density
 (4120) - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Legend

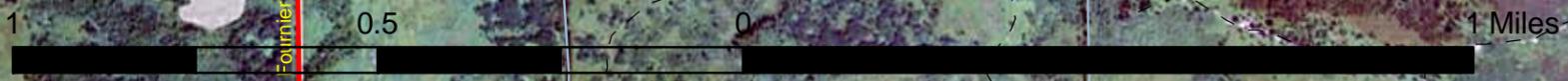
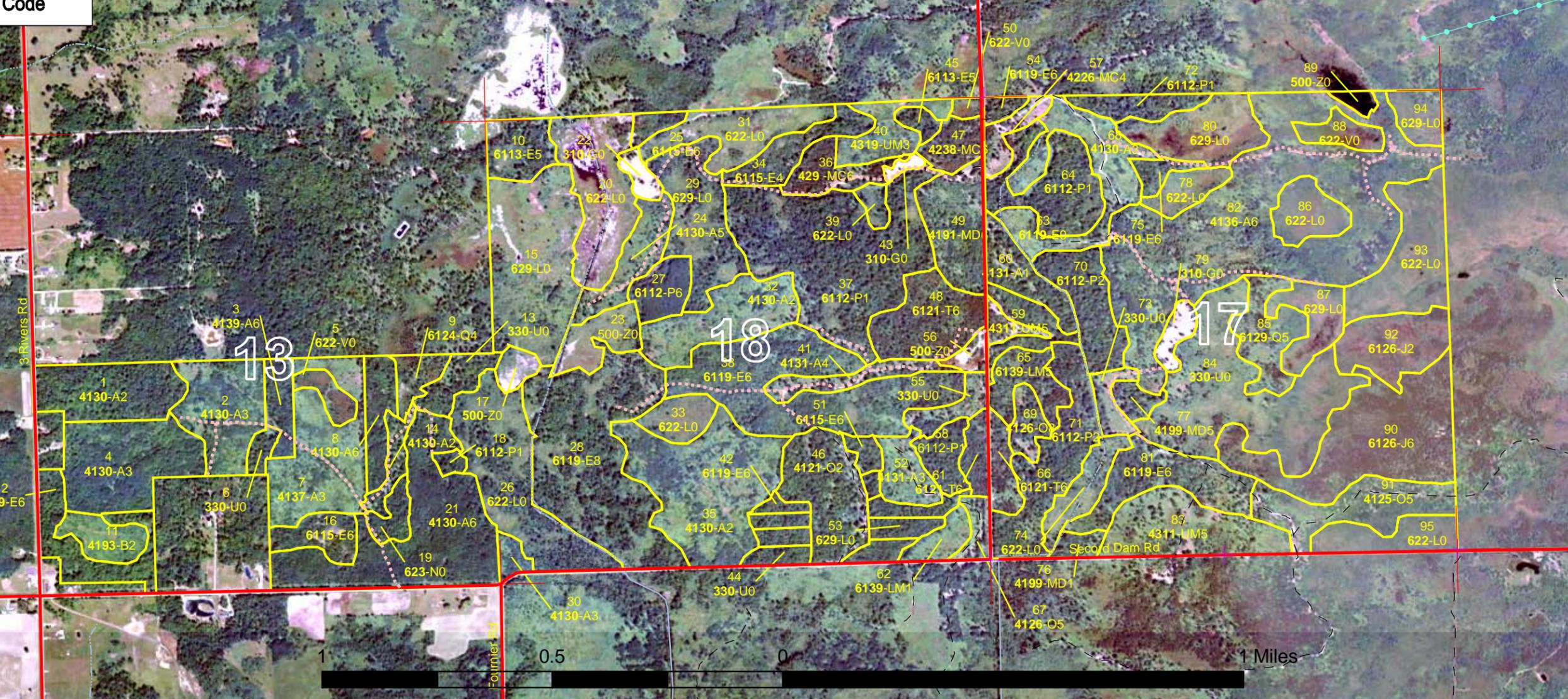
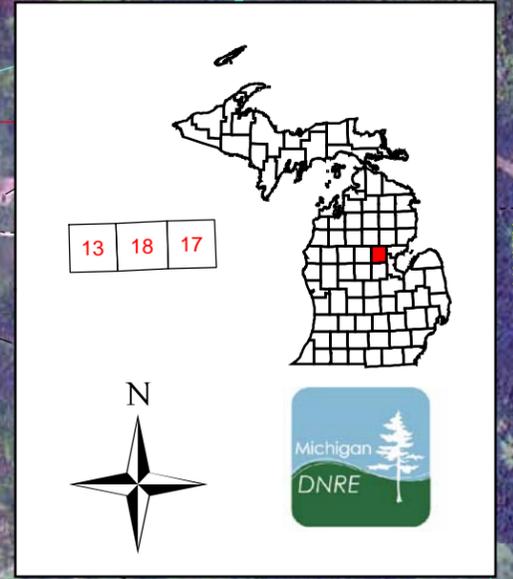
- Miris Corners
- + Remonumented Section Corners
- County Paved Roads
- - Poor Dirt Roads
- - - - Closed Roads
- Utility Lines**
- Power
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stand Boundaries

Forest Stands

- Level 3**
- 412 - Oak Types
 - 413 - Aspen Types
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Non-Forest Stands

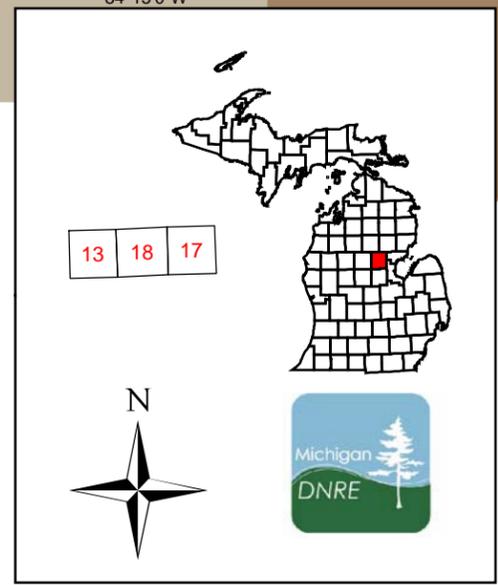
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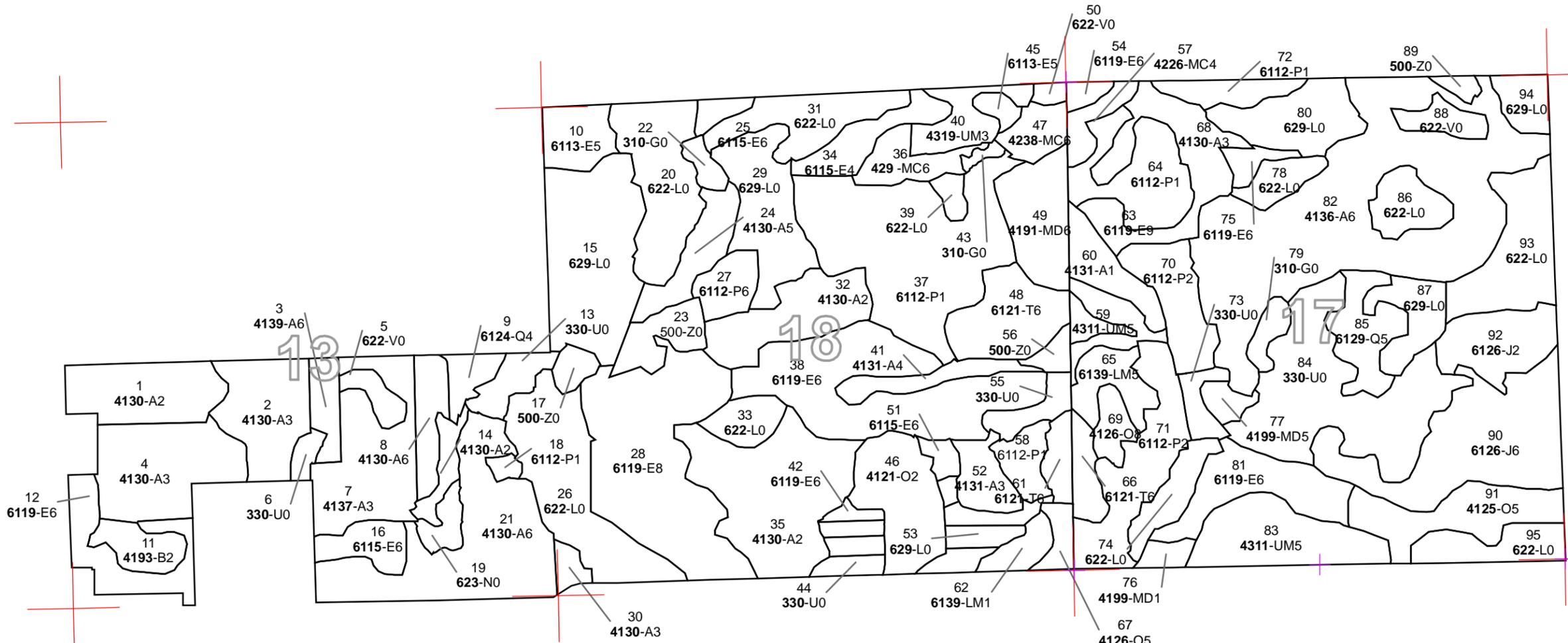
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Dedicated & Proposed Special Conservation Area Map

Legend		
—	Miris Corners	
+	Remonumented Section Corners	
Proposed Special Conservation Areas		
[Dotted Box]	SCA - Special Conservation Area	
[Hatched Box]	SCA Removal	
[Outline Box]	Stand Boundaries	
Forest Stands		
Level 3		
412	- Oak Types	
413	- Aspen Types	
419	- Mixed Upland Deciduous	
422	- Natural Pines	
423	- Other Upland Conifers	
429	- Mixed Upland Conifers	
431	- Upland Mixed Forest	
611	- Lowland Deciduous Forest	
612	- Lowland Coniferous Forest	
613	- Lowland Mixed Forest	
Non-Forest Stands		
Level 3		
310	- Herbaceous Openland	
330	- Low-Density Trees	
500	- Water	
622	- Lowland Shrub	
623	- Emergent Wetland	
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Stand #	Stocking Density
(23)	
(4120) - A7	
Level 3	OI
Level 4	Code
Cover Type Code	



84°19'0"W 84°18'0"W 84°17'0"W 84°16'0"W 84°15'0"W

44°40'N

44°30'N

44°40'N

44°30'N

Table 1 – Total Acres by Cover Type and Age Class

Data updated before 10:00 AM



	Age Class														Total	
	Non-Forested	1-9	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	0	42	172	164	71	9	0	0	0	0	0	0	0	0	0	458
Bog	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Jack Pine	0	0	19	0	0	0	51	0	0	0	0	0	0	0	0	70
Low-Density Trees	88	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88
Lowland Aspen/Balsam Poplar	0	149	8	9	0	0	0	0	0	0	0	0	0	0	0	166
Lowland Conifers	0	0	0	16	0	0	0	6	0	0	0	0	0	0	0	22
Lowland Deciduous	0	0	0	56	0	23	0	3	27	4	0	0	0	0	120	233
Lowland Mixed Forest	0	0	6	0	0	0	0	12	0	0	0	0	0	0	0	18
Lowland Shrub	287	0	0	0	0	0	0	0	0	0	0	0	0	0	0	287
Marsh	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Mixed Upland Deciduous	0	4	0	21	0	0	0	4	0	0	0	0	0	0	0	28
Natural Mixed Pines	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Oak	0	25	24	0	0	0	0	0	6	0	0	0	0	0	5	60
Paper Birch	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	9
Tamarack	0	0	0	0	0	28	0	7	0	0	0	0	0	0	0	35
Upland Conifers	0	0	0	0	0	8	0	11	0	0	0	0	0	0	0	19
Upland Mixed Forest	0	0	12	0	0	31	0	0	0	0	0	0	0	0	0	43
Water	21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Total	424	220	250	265	71	99	57	43	33	4	0	0	0	0	125	1591



Table 2 – Proposed Treatment Summaries

Data updated before 10:00 AM

Gladwin Mgt. Unit
Year of Entry 2012

Compartment 050
Total Compartment Acres: 1591

Acres by Treatment Type

Commercial Harvest - 29	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 100	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Deciduous	23	0	0	0	0	0	23
Oak	6	0	0	0	0	0	6
Total	29	0	0	0	0	0	29



Data updated before 10:00 AM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
69 73050069-Cut	6.3	4126 - White, Black, N. Pin Oak	Medium Density Log	71	Harvest	Clearcut with Reserves	White, Black, N. Pin Oak	Cmpt. Review Proposal

Prescription Final harvest the stand marking 1 to 2 oak per acre for retention.Specs:Other The area is a droughty ridge.Comments:Next Stand is not expected to regenerate well after harvest so interplant red pine.Steps:

81 73050081-Cut	23.0	6119 - Mixed Lowland Deciduous Forest	High Density Pole	42	Harvest	Clearcut with Reserves	Mixed Lowland Deciduous Forest	Cmpt. Review Proposal
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Prescription Final harvest down to 4" DBH retain pockets of trees totalling not more than 5% the area.Specs:Other Areas of the stand area low and wet and other areas dry. Therefore rutting could be a problem in a portion of the stand.Comments:Next The stand is expected to regenerate naturally to a mixture of aspen, oak, and maple.Steps:

37 73050037-Seed	68.3	6112 - Lowland Aspen	Low Density Sapling	3	Tree Seeding	Machine Seed	Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Direct seeding of jack pine during the winter from snowmobile.Specs:OtherComments:NextSteps:

64 73050064-Seed	23.6	6112 - Lowland Aspen	Low Density Sapling	3	Tree Seeding	Machine Seed	Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Direct seed during the winter from snowmobile.Specs:OtherComments:NextSteps:

72 73050072-Seed	8.4	6112 - Lowland Aspen	Low Density Sapling	3	Tree Seeding	Machine Seed	Planted Jack Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Direct seed during winter from snowmobile.Specs:OtherComments:NextSteps:

**Total Treatment
Acreage Proposed: 129.6**



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Data updated before 10:00 AM

Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Error

Prescription Specs:

Other Comment:

Next Steps:

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: 0

Data updated before 10:00 AM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2012



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**



Data updated before 10:00 AM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	Medium Density	24.1	3		The stand was harvested but regeneration is patchy most if the regeneration is in the northern 2/3 of the stand. There are inclusions of lowland but they make up only about 20%. Balsam fir and white pine were left along Three River Road as a visual buffer. There is also a narrow depression of swamp hardwood that was thinned in the stand. However, the area is not of sufficient size to be its own stand.
2	4130 - Aspen	High Density Sapling	24.4	17		The stand is a mixture of upland and lowland with the upland being the majority. There are inclusions of lowland in the stand.
3	4139 - Aspen, Mixed Deciduous	High Density Pole	7.5	39	81-110	The stand is a mixture of upland and lowland with the lowland making up about 15%.
4	4130 - Aspen	High Density Sapling	32.5	26		The stand is a matrix of upland and lowland with the lowland making up about 30%. Some of the area was heavily rutted when the stand was harvested.
7	4137 - Aspen, Birch	High Density Sapling	34.2	17		The stand is a mixture of upland and lowland with the upland making up about 75%. The lowland is mainly located along drainages in the stand. The northwest corner of the stand is sparse and has open grown and weeviled white pine instead of aspen. This area is too small and does not have a great enough difference to be made its own stand.
8	4130 - Aspen	High Density Pole	10.2	39	51-80	The stand is still a little too small for harvest.
9	6124 - Lowland Spruce-Fir	Low Density Pole	6.1	60		The stand is very wet and hummocky. There are inclusions of upland but the inclusions make up about 15%. The tree species present are patchy with some areas that are dense and other areas that are open.
10	6113 - Lowland Maple	Medium Density Pole	11.5	70	51-80	This stand is a mixture of upland and lowland with the lowland being the majority. There is a ridge along the north edge of the stand however it is not large enough to make it a separate stand.
11	4193 - Birch, Aspen	Medium Density	9.3	17		The stand is a matrix of upland and lowland with the lowland making up about 40%. The majority of the aspen is in the eastern end of the stand. The rest is a mixture of maple, ash, oak, pines, and aspen.
12	6119 - Mixed Lowland Deciduous Forest	High Density Pole	17.7	Uneven Age	81-110	The stand is a mixture of upland and lowland with the lowland making up about 75%. There are upland knobs of significant size but they do not meet the minimum mapping standards.
14	4130 - Aspen	Medium Density	6.0	3		The stand was harvested and the regeneration is fair to good. There is significant browse on the oak, maple and aspen but look like they will survive.
16	6115 - Lowland Ash	High Density Pole	9.3	Uneven Age	51-80	The stand is variable with pockets of cattails and areas of dense swamp hardwoods. It is very wet and the terrain is hummocky.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	6112 - Lowland Aspen	Low Density Sapling	1.9	3		The stand is a mixture of upland and lowland with the lowland making up about 55%. The area was harvested but regeneration is patchy and for the most part fairly sparse.
21	4130 - Aspen	High Density Pole	53.1	38	51-80	The stand is a mixture of upland and lowland with the lowland making up about 20%. The terrain is hummocky.
24	4130 - Aspen	Medium Density Pole	13.7	26	1-50	The stand is variable with areas that are well stock and areas that are non-stocked. The terrain is hummocky and there are areas that are fairly wet.
25	6115 - Lowland Ash	High Density Pole	3.4	Uneven Age	81-110	This stand is low, wet, and hummocky.
27	6112 - Lowland Aspen	High Density Pole	9.0	26	51-80	The stand is moving toward poles. Currently there is some natural thinning taking place.
28	6119 - Mixed Lowland Deciduous Forest	Medium Density Log	64.8	Uneven Age	51-80	The stand is a matrix of upland and lowland with the lowland making up about 75%. The terrain is undulating going from dryer swamp hardwoods to lowland shrubs. There are scattered areas of high density swamp hardwoods sawlogs and areas of medium density regeneration. Most of the stand is a medium stocked pole stand.
30	4130 - Aspen	High Density Sapling	3.4	19		The stand is regenerating well and should be a nice pole stand in 10 year.
32	4130 - Aspen	Medium Density	23.7	19		The stand is a fine matrix of upland and lowland and it is difficult to tell if it is upland or lowland. However, it appears that the upland is the majority. The terrain is hummocky so there is a high water table to deal with in the stand.
34	6115 - Lowland Ash	Low Density Pole	12.3	71		The stand is very wet with the ground cover being marsh grass and tag alder. The oak understory is along the south east side where it starts to become upland. The ash and maple is throughout the stand.
35	4130 - Aspen	Medium Density	48.7	19		The stand is hummocky and it is a mixture of upland and lowland with the upland being the majority. There are inclusions of lowland shrubs as well as grassy upland. Autumn olive was planted in the stand along the old skid trails.
36	429 - Mixed Upland Conifers	High Density Pole	10.6	66	81-110	This stand is on a ridge. It is heavier to jack pine in the east and white pine in the west. There are areas of tamarack in the stand especially along the northwestern edge.
37	6112 - Lowland Aspen	Low Density Sapling	68.3	3		The stand is heavily browsed by deer. Currently about 1/3 of the regeneration has been hit. The regeneration that does exist is variable with patches that are well stocked and patches that are non-stocked. There are also inclusions of lowland shrubs in the stand.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	6119 - Mixed Lowland Deciduous Forest	High Density Pole	55.5	25	51-80	The stand is a matrix of upland and lowland with the lowland being the majority. There are areas of lowland shrubs in the stand. The upland areas are heavier to aspen and the lowland areas are heavier to ash, maple, and tamarack.
40	4319 - Mixed Upland Forest	High Density Sapling	11.7	19		The stand is a fine matrix of upland and lowland. The upland appears to be the majority. The terrain is hummocky.
41	4131 - Aspen, Oak	Low Density Pole	8.8	48	1-50	The stand is sparse and on droughty soil. The ground cover is poverty grass. The upland is seeding in with oak and the lower areas to tamarack.
42	6119 - Mixed Lowland Deciduous Forest	High Density Pole	5.1	Uneven Age	111-140	The stand is hummocky and it is a mixture of upland and lowland. The lowland is the majority.
45	6113 - Lowland Maple	Medium Density Pole	3.0	71		The stand is low and wet. The ground cover is mainly shrubs over marsh grass.
46	4121 - Oak, Aspen	Medium Density	25.3	3		The stand is upland for the most part. However, there are areas of lowland along the edges. The stand was harvested to 2" DBH except oak which was harvested to 4" DBH. The regeneration in the stand is variable with areas of high density and areas of low density.
47	42380 - Non Pine Upland Conifer, Mixed Deciduous	High Density Pole	8.1	40	51-80	The stand is hummocky but looks like it is mainly upland.
48	6121 - Tamarack	High Density Pole	22.2	45	81-110	The stand is hummocky and wet. There are inclusions of upland in the stand but the majority of the stand is lowland.
49	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	20.7	27	51-80	The stand is a matrix of upland and lowland with the upland being the majority. The tree species grade from one type to another. There are areas high in tamarack, or aspen, or maple, and there are areas where they are a mixture.
51	6115 - Lowland Ash	High Density Pole	11.2	Uneven Age	81-110	The stand is low and wet with some inclusion of upland. There is heavy regeneration in the canopy gaps of the stand. The regeneration is mainly ash and maple.
52	4131 - Aspen, Oak	High Density Sapling	9.7	19		The stand is a mixture of upland and lowland with the upland being the majority. There are inclusion of lowland shrubs with scattered paper birch and tamarack.
54	6119 - Mixed Lowland Deciduous Forest	High Density Pole	2.7	68		The stand is hummocky and it is a fine matrix of upland and lowland with the lowland being the majority.
57	42260 - Natural Pine, Mixed Deciduous	Low Density Pole	6.4	50	1-50	The stand is sparse and has had autumn olive planted in it. The overstory is in patches.
58	6112 - Lowland Aspen	Low Density Sapling	8.0	19		A portion of the west side of the stand is non-forested. However, the majority of the stand has patchy regeneration.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
59	4311 - Pine, Aspen Mix	Medium Density Pole	3.6	40		The stand is on a droughty ridge and used for camping and parking.
60	4131 - Aspen, Oak	Low Density Sapling	12.1	3		The stand was harvested last YOY and the regeneration is variable. There are some areas that are well stocked and areas that are very poorly stocked.
61	6121 - Tamarack	High Density Pole	6.0	48		The stand has a significant amount of dead snags. However, the stand is very wet and it is regenerating well on its own. The stand is expected to maintain itself as tamarack and fir.
62	6139 - Mixed Lowland Forest	Low Density Sapling	6.3	19		The stand is hummocky and rutted when it was harvested. The regeneration is patchy.
63	6119 - Mixed Lowland Deciduous Forest	High Density Log	8.9	Uneven Age	51-80	The stand is at the base of a ridge. It is wet but looks like it dries out in summer.
64	6112 - Lowland Aspen	Low Density Sapling	23.6	3		The stand was harvested but has regenerated poorly. It is hard to see the regeneration among the ground cover of marsh grasses. In addition, the regeneration is being heavily browsed.
65	6139 - Mixed Lowland Forest	Medium Density Pole	11.7	61		The stand is low and wet with inclusion of upland.
66	6121 - Tamarack	High Density Pole	7.3	61		The stand is very wet and it is regenerating well on its own. There are areas that are upland but they are a minority of the stand. The stand is expected to maintain itself as tamarack and fir. There is a component of black spruce in the stand as well.
67	4126 - White, Black, N. Pin Oak	Medium Density Pole	4.8	Uneven Age	1-50	The stand is on a ridge and it was harvested but regeneration is low.
68	4130 - Aspen	High Density Sapling	27.6	19		The stand is on a ridge that drops down into lowland. However most of the stand is upland.
69	4126 - White, Black, N. Pin Oak	Medium Density Log	6.3	71	1-50	The stand is on a droughty ridge.
70	6112 - Lowland Aspen	Medium Density	17.9	3		The stand is wet and the regeneration is patchy. There are areas of thick regeneration and areas of no regeneration.
71	6112 - Lowland Aspen	Medium Density	29.1	3		The stand was harvested and the regeneration is patchy. The north and south ends are regenerating well, however the middle regenerated poorly. There is also heavy deer browse on much of the regeneration.
72	6112 - Lowland Aspen	Low Density Sapling	8.4	3		The stand is a mixture of upland and lowland with the lowland being the majority. The regeneration is patchy with large areas that are sparse.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
75	6119 - Mixed Lowland Deciduous Forest	High Density Pole	4.1	80	51-80	This area is low and wet and has some areas that are more upland. However, most of the stand is lowland. The aspen in the stand is dying and contain significant rot. The aspen is being replaced by ash and maple.
76	4199 - Other Mixed Upland Deciduous	Low Density Sapling	3.6	3		The stand is a matrix of upland and lowland with the upland being the majority.
77	4199 - Other Mixed Upland Deciduous	Medium Density Pole	4.2	61		The stand is a mixture of upland and lowland with the lowland being the majority. The regeneration is patchy with large areas that are sparse.
81	6119 - Mixed Lowland Deciduous Forest	High Density Pole	23.0	42	81-110	The stand is a fine matrix of upland and lowland with the lowland being the majority. Tree species are in patches of oak, aspen, and maple. These patches grade from one to the others. The terrain is hummocky with the ground cover going from bracken fern to leatherleaf.
82	4136 - Aspen, Mixed Conifer	High Density Pole	117.7	26		The stand is made up of well stocked ridges and medium stock low plains. There are inclusions of lowland shrubs in the stand.
83	4311 - Pine, Aspen Mix	Medium Density Pole	27.3	40		The stand is undulating and it is a mixture of upland and lowland. The upland portion makes up the greatest percentage. The ground cover in the lowland is sheep laurel and leather leaf and in the upland it is sweet fern and blueberry.
85	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	15.7	25		This stand is very hummocky but most to the stand is upland though just barely. The jack pine in the stand is open grown and has a poor form, the tamarack, on the other hand, has good growth and fair to good form.
90	6126 - Lowland Jack Pine	High Density Pole	50.7	50	111-140	The stand is mainly lowland with inclusions of upland. It grades from red pine sawlogs to a mixture of jack pine and red pine poles to jack pine sapling and poles. This grade change goes from south to north.
91	4125 - Black, N. Pin Oak	Medium Density Pole	23.9	19		The stand is on a ridge. However, the southern edge of the stand is low and wet.
92	6126 - Lowland Jack Pine	Medium Density	19.1	12		This area is a leatherleaf bog that now has an overstory of seedling and sapling jack pine.



Stand	Cover Type	Acres	Gen Cmts:
5	6225 - Bog	5.1	
6	3301 - Low Density Deciduous Tree	3.1	The stand was harvested but the regeneration is poor and confined to the upland pockets.
13	3302 - Low Density Conifer Trees	7.9	The stand was harvested but regeneration is poor. In addition, the stand is a mixture of upland and lowland and much of what regeneration that is present is on the upland.
15	629 - Mixed non-forested wetland	45.5	The stand is a mixture of upland and lowland. The lowland is the majority only by a little. There is some beaver activity that swayed the call. There is aspen in the southern portion of the stand that are being chewed down by the beaver. The crown closure is less than 15%.
17	50 - Water	4.1	This is an area of standing water caused by beaver activity
19	6239 - Mixed Emergent Wetland	5.3	The stand was harvested but regeneration did not come in. Currently the stand is cattails and marsh grass with only a few red maple stump sprouts scattered in the stand.
20	6229 - Mixed lowland shrub	29.8	
22	3105 - Mixed Upland Herbaceous	3.7	The stand is a man made opening. Whether the stand is planted annually or planted to a pasture mix could not be determined.
23	50 - Water	11.0	
26	6229 - Mixed lowland shrub	38.8	The stand is mainly tag alder/willow with pockets of swamp hardwoods. The total crown closure is near 15%.
29	629 - Mixed non-forested wetland	26.9	There are some overstory swamp hardwoods but they make up < 25% crown closure.
31	6220 - Alder/willow	19.4	
33	6220 - Alder/willow	8.2	
39	6229 - Mixed lowland shrub	3.2	
43	3105 - Mixed Upland Herbaceous	1.5	This stand is a maintained wildlife opening.
44	3301 - Low Density Deciduous Tree	6.4	



Stand	Cover Type	Acres	Gen Cmts:
50	6225 - Bog	1.9	
53	629 - Mixed non-forested wetland	5.5	The stand is made up of strip cuts that did not regenerate.
55	3301 - Low Density Deciduous Tree	6.8	
56	50 - Water	3.5	
73	3301 - Low Density Deciduous Tree	5.6	
74	6220 - Alder/willow	10.3	
78	6220 - Alder/willow	7.4	
79	3102 - Grass	4.8	This stand is a maintained wildlife opening.
80	629 - Mixed non-forested wetland	20.3	The stand is mainly cattails and marsh grasses mixed with lowland shrubs.
84	3301 - Low Density Deciduous Tree	57.8	The stand is mainly tag alder with scattered quaking aspen, jack pine, tamarack, and oak.
86	6229 - Mixed lowland shrub	11.1	
87	629 - Mixed non-forested wetland	12.3	
88	6225 - Bog	6.4	The stand is a leatherleaf bog mixed with lowland shrubs.
89	50 - Water	2.3	The stand is a beaver flooding
93	6229 - Mixed lowland shrub	27.3	The stand is a mixture of tag alder and willows with some leatherleaf long the south edge.
94	629 - Mixed non-forested wetland	7.5	
95	622 - Lowland Shrub	13.0	



7 – 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.

Data updated before 10:00 AM

Stand	SCA Type	SCA Name	Acres	Comments
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8 – 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.

Data updated before 10:00 AM

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

Conservation Area	Type	Description
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