



FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION

COMPARTMENT 33    ENTRY YEAR: 2014

Compartment Acreage: 1524    County: Gladwin

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**Revision Dates:** Draft 6-20-12. Former Drafts: 5-29-12

**Stand Examiner:** Mark Reichel

**Legal Description:** T20N R1E Sec. 24, 25; T20N R2E Sec. 16, 18, 19, 30

**Timber Management and Cover Type Change:** 63 acres of aspen will be restarted in this compartment; 83 acres would regulate the aspen for the compartment, but regulation is now occurring on a management unit level. A few additional small aspen stands could have been early harvested, but had difficult access and can be held. One mixed natural pine, one white pine and one natural red pine stand will receive selection harvests to regenerate pine (total of 20 acres). One mixed upland deciduous stand on a good site will receive a shelterwood harvest to maintain the same forest type. A total of 125 acres will be treated this year of entry. Aspen cover in this compartment decreased from 900 to 500 acres mainly due to an increase in all coniferous cover types from 145 to 428 acres. This increase is due to some aspen removals in mixed white pine/aspen stands that did not regenerate to aspen, as well as reclassification of some mixed stands by IFMAP rules, and a general increase in white pine cover. 88 acres of aspen was reclassified as mixed upland deciduous forest. Finally, one large aspen stand was reclassified as lowland hardwoods and another 60 acres reverted to marsh, mixed low density trees or grass after recent harvests.

**Soil and Topography and Habitat Types:** This compartment lies in the headwaters of the Tittabawassee River, between the East and Middle branch tributaries, both of which are flooded by Secord dam. The reservoir on the East branch ends south of the compartment. All three parcels of this compartment are dissected in places by creeks with relatively steep and long side slopes that feed into the rivers. White pine is making a strong recovery in this watershed. One third of the compartment, mostly in sections 18 and 25, is classified by the Kotar habitat type system as PARVCo, which consists of nutrient poor and wet-mesic soils on poorly drained outwash sands. These areas often have pit and mound topography and are subject to seasonal ponding, and are dominated by red maple, aspen, and red oak, with red pine as a strong component that exhibits vigorous growth. Productivity of other species is variable. Just under another third of the compartment, in sections 16, 19 and 30, is Kotar PARVVb/AFO. This is some of the most relatively nutrient rich soils (somewhat poor to rich) on state forest lands in Gladwin county. Hydrology on these soils ranges from dry mesic to mesic. Soils are sandy loams or loamy sands that support red oak, red maple, aspen, white pine and northern hardwood forest. There are only traces of northern hardwood species in this compartment. This area has the potential to produce quality red oak. Another quarter of the compartment is either PARVHa or PARVVb soils, which are dry and nutrient poor soils that are good for pine. These soils are where white pine and other conifers are increasing in the compartment. The final 5 to 10% is unclassified lowland areas.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** This compartment is highly fragmented and surrounded almost completely by private land, with the exception of the north and east edges of the parcel in section 16, which is adjacent to state land, and over a mile of frontage along Secord Lake in section 24. In section 24, Park and East Shore Drives run through the compartment on the way to lakefront homes. Only a few homes at the intersection of Park and East Shore, and a few along Boman Rd. are across the roads from state land. The rest of the adjacent private land is in numerous holdings ranging from 10 to 400 acres (average of 30 to 40 acres), many of which have permanent residences. The 392 acre Evergreen Club is adjacent to state land in section 18. A small resort borders the same parcel to the north.

**Unique, Natural Features:** According to the Michigan Natural Features Inventory database and GDSE element occurrences layer, there have been no documented occurrences of threatened or endangered species in this

compartment, nor were any discovered during inventory. There is a great blue heron rookery about 1 ¼ miles to the West-Northwest. There is also potential for Blanding's turtle throughout the compartment and wood turtle along the Tittabawassee, and for red shouldered hawk in the lowland hardwood stands.

**Archeological, Historical, and Cultural Features:** The HAL database did not indicate any concerns in this compartment.

**Special Management Designations or Considerations:** A 16 acre portion of the southeast corner of the parcel in section 16 was added to the Lame Duck Foot Access Area SCA this inventory year. The area is bounded by the East branch of the Tittabawassee River to the North, and Herner Road to the East.

**Wildlife Habitat Considerations:** This compartment has upland systems are dominant in this compartment, making it suitable for a number of early forest successional wildlife species. The majority of stands are aspen or lowland cover types. Species such as Ruffed grouse, white-tailed deer and American woodcock are quite common. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the lowlands as corridors as well as year-round habitat. Other game species likely to be present in this compartment include black bear, bobcat, raccoon, coyote, wild turkey and snowshoe hare. Many bird species stand to benefit from the juxtaposition of lowland and upland habitats present in the compartment. These include common yellowthroat, yellow-rumped warbler, gray catbird, redbreasted vireo, white-throated sparrow, hermit thrush and red-breasted nuthatch. The compartment is easily accessible to hunters via Bensch Road and Drummond Road.

**Fisheries Considerations:** This compartment lies within the Tittabawassee River watershed. In this area, the fishery is warm water. Special concerns are primarily to guard against sedimentation.

**Mineral Considerations:** Surface sediments consist of lacustrine (lake) sand and gravel and lacustrine clay and silt. The glacial drift thickness varies between 100 and 200 feet. Beneath the glacial drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for brick making in other areas of the State. The nearest gravel pit is in Section 16 and potential in the compartment is considered good. This compartment has had sparse exploration for oil and gas. The nearest production is Butman Field, six miles to the west. It has produced more than 360,000 BO primarily from the Richfield. There are no leases in the compartment.

**Vehicle Access:** A lot of paved or gravel county roads run adjacent to or through the parcels in this compartment, including Herner Rd., Miller Rd., Boman Rd., E. Shore Dr., Park Rd., Drummond Rd. and Bensch Rd. Access within the compartment is generally poor. Short lengths of two track run into most parcels in the compartment, but they do not go far before they run into very wet areas, some impassable. The northeast quarter of section 30 and into section 19 have very difficult access, and two stands in the center of section 16 were factor limited due to access. Most of the area East of Herner Rd. is either riverbottom or only accessible from compartment 34 to the East. The large area of aspen in compartment 16 is the only area that has a good loop road in it. Access to treatments in stands 16 and 120 will be challenging but possible.

**Survey Needs:** In order to put in timber sale boundary line against private land for the prescribed stands, a survey request needs to be submitted as soon as possible to place a monument at the following location: S- Central 1/16 corner sec. 25 (absolutely necessary). Monuments at the following locations would be very helpful: S 1/16 Sec 25/30, W-Central 1/16 sec. 18. There are seven other corners that currently do not have monuments that could be added to the above three in order to have a compartment in which a timber sale could be set up anywhere without being limited by monuments.

**Recreational Facilities and Opportunities:** The compartment is mainly used for deer and grouse hunting. The Michigan Cross Country Cycling Trail route runs along Boman and Bensch Roads through the compartment; these are county roads. The stands in the northern part of section 16 provide scenic values for the adjacent resort; visual impacts will be considered with the selection harvests in this area. The stands adjacent to Secord Lake have important visual impact on the homes across the lake, and on boating and fishing on the lake; these stands are being managed as a visual and BMP (steep slopes) buffer.



	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	34	129	54	175	79	0	6	0	0	0	0	0	0	0	476
Bog	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Herbaceous Openland	56	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Jack Pine	0	0	3	0	0	0	0	5	0	0	0	0	0	0	8
Low-Density Trees	38	0	0	0	0	0	0	0	0	0	0	0	0	0	38
Lowland Aspen/Balsam Poplar	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Lowland Conifers	0	0	0	0	55	0	0	7	5	0	0	0	0	9	75
Lowland Deciduous	0	0	2	7	52	0	2	148	0	0	0	0	0	0	210
Lowland Mixed Forest	0	16	0	7	0	0	0	0	6	0	0	0	0	0	29
Lowland Shrub	81	0	0	0	0	0	0	0	0	0	0	0	0	0	81
Lowland Spruce/Fir	0	0	0	5	0	0	0	0	0	0	0	0	0	0	5
Marsh	77	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Mixed Upland Deciduous	0	0	0	0	9	0	69	10	0	0	0	0	0	0	88
Natural Mixed Pines	0	0	0	0	0	0	21	27	0	0	0	0	0	5	53
Northern Hardwood	0	0	0	0	0	0	5	0	0	0	0	0	0	0	5
Red Pine	0	0	0	0	0	0	0	0	8	0	0	0	0	0	8
Treed Bog	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Upland Conifers	0	5	9	12	7	0	0	0	0	0	0	0	0	0	33
Upland Mixed Forest	0	0	5	0	29	0	0	0	0	0	0	0	0	0	33
Upland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Upland Spruce/Fir	0	10	0	0	0	0	0	0	0	0	0	0	0	0	10
Urban	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Water	30	0	0	0	0	0	0	0	0	0	0	0	0	0	30
White Pine	0	36	5	9	48	0	16	30	5	0	0	0	0	24	174
<b>Total</b>	<b>345</b>	<b>197</b>	<b>76</b>	<b>214</b>	<b>283</b>	<b>0</b>	<b>120</b>	<b>226</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>38</b>	<b>1524</b>



## Table 2 – Proposed Treatment Summaries

**Gladwin Mgt. Unit**  
**Year of Entry 2014**

**Compartment 033**  
**Total Compartment Acres: 1524**

### Acres by Treatment Type

Commercial Harvest - 125	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

### Cover Type by Harvest Method

		Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
<b>Aspen</b>	63	0	0	0	0	0	0	63
<b>Mixed Upland Deciduous</b>	0	0	0	42	0	0	0	42
<b>Natural Mixed Pines</b>	0	12	0	0	0	0	0	12
<b>Red Pine</b>	0	0	0	8	0	0	0	8
<b>Total</b>	<b>63</b>	<b>12</b>	<b>0</b>	<b>50</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>125</b>



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	73033_OutOfY OE-th	0.7					Harvest	Crown Thinning	42290 - Natural Mixed Pine	Fld. Tr. Bdy. - Incomplete

Prescription Individual tree mark 20 BA for removal, to reduce BA to 100.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/31/2011

15	73033015-SEL	11.7	42290 - Natural Mixed Pine	High Density Log	78	111-140	Harvest	Single Tree Selection	42290 - Natural Mixed Pine	Cmpt. Review Proposal
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Prescription Selection harvest. Remove all aspen, retain all birch. Individual tree mark for removal all remaining species, to reach uniform residual BA of 90.

Specs: Favor retention of red pine. Retain all of the small percentage of red pine with old growth characteristics. These will serve as legacy trees.

Other

Comments: Found DNR survey monument in center of stand (E 1/16 corner); cedar post well marked. According to corner records book, there is also a monument at the E 1/4 corner of sec. 18, but none for the N-S blue line.

Next

Steps:

Proposed

Start Date: 10/01/2013

16	73033016-FH	24.2	4130 - Aspen	High Density Pole	40		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Final harvest dry-frozen, non-negotiable. Do not cut birch. Put retention by area in neck extending east to compartment boundary, which has white pine and less aspen.

Other

Comments: County right-of-way to Southwest should afford access at corner of roads. Research corner records and determine location of ROW (witness tree but no monument found). Alternate access from north. Landing would go in clearing at South end of stand 13. Good growth but poor form, 20-25 % pulp logs. Would regenerate if harvested in 10 yrs, but might not hurt to cut now. 20-25% lowland and much of stand has rose as well as bracken. Tr of red maple, white pine, elm, black cherry (canopy); balsam fir and oak (subcanopy)

Next

Steps:

Proposed

Start Date: 10/01/2013

70	73033070-FH	17.7	4130 - Aspen	High Density Pole	42		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
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Prescription Clearcut DORMANT and DRY/FROZEN ONLY. Do not cut any species other than aspen (leave other species as retention). Could use streambanks as retention by area but would be a lot of extra red line. Shortwood only to minimize disturbance near adjacent subdivision.

Other

Comments: GOOD CANDIDATE FOR EARLY HARVEST to deal with unit level age class spike this YOY. Would have to have two landings, 1 on each side of creek. Both sides are accessible off East Shore Drive, the north side via a good two-track.

Next

Steps:

Proposed

Start Date: 10/01/2013



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
100	73033100-FH	14.6	4130 - Aspen	High Density Pole	42		Harvest	Clearcut with Reserves	4130 - Aspen	Cmpt. Review Proposal
<p><u>Prescription:</u> Final harvest with reserves; do not mark any white pine, oak and birch, which will serve as retention and as visual buffer for neighborhood to west. Shortwood only and dormant season specification to minimize disturbance near adjacent subdivision and because multiple landings would be required.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Timber is good candidate for early harvest to reduce spike in age class this YOY. Stand dissected into four parts by road and deep drainage that feeds into Secord Lake. Would need 3 or 4 different landings.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
120	73033120-ShW	42.0	4199 - Other Mixed Upland Deciduous	High Density Log	65	141-170	Harvest	Shelterwood	4199 - Other Mixed Upland Deciduous	Cmpt. Review Proposal
<p><u>Prescription:</u> Shelterwood harvest, reducing overall BA to 60. Species removal of aspen and red maple only will create mixture of regen openings and thinning desired. In order of priority green mark red maple then aspen where necessary to achieve residual BA of 60. Note: be careful not to remove white ash, yellow birch, black cherry, hemlock and mature white pine and paper birch in stand. These species and green marked aspen and maple will serve as retention by BA. In addition, put retention by area in wet area and steep slope at far NE corner of stand. Neither prohibit nor require removal of white pine saplings. Access from North off Miller Rd. via two tracks through stands 107 and/or 113.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Aspen decadent and may not regenerate well. Southeast half of stand is Kotar PARVVb/AFO, which is a preferred site for red oak; may be some hybrid oak but stem quality is fairly good. MO is to regenerate mix of all species present and to give opportunity to increase red oak component, as well as to encourage regeneration of single stemmed red maple. There are two remonumented corners on south private line. This parcel was acquired in 1992 but not inventoried in 2002, so this is the first inventory of this stand.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
131	73033131-FH	6.1	4130 - Aspen	High Density Log	62		Harvest	Clearcut with Reserves	4133 - Aspen, Mixed Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Final harvest aspen and red maple only, DORMANT SEASON ONLY. White pine, red oak and paper birch will serve as retention.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Aspen is 62 yrs old and a regen concern. Neither protect nor require cutting saplings. E edge of stand falsely posted private. Dissected by deep, small drainage 2/3 of way to N end of stand. Good volume. Access from NE and SE. Part of parcel acquired in 1992 but not inventoried or prescribed in 2002.</p> <p><u>Next Steps:</u></p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										
146	73033146-148-ShW	8.2	42210 - Natural Red Pine	Medium Density Log	81	111-140	Harvest	Shelterwood	42210 - Natural Red Pine	Cmpt. Review Proposal
<p><u>Prescription:</u> Shelterwood by reducing BA to 40-50; mark residual trees. Favor retention of red pine, but leave at least one mature white pine per acre, and trace of oak that is in stand.</p> <p><u>Specs:</u></p> <p><u>Other Comments:</u> Thinning in 2006 and hardwood removed: Hall's Gate sale. 90-95% of new regeneration is white pine: not getting red pine regeneration and this is good site for red pine (SI = 68). Additional thinning would lead to weevil damage of white pine regen.</p> <p><u>Next Steps:</u> Scarify after harvest to prepare seed bed for red pine and reduce heavy white pine seedling regeneration. Include adjacent stand 32 in comp 29 to North in scarification treatment.</p> <p><u>Proposed Start Date:</u> 10/01/2013</p>										

**Total Treatment  
Acreage Proposed: 125.2**

**Table 4 -- Treatments Prescribed with  
a Limiting Factor**



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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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#Error

Prescription  
Specs:

Other  
Comment:

Next  
Steps:

Proposed  
Start Date: #Error

Limiting Factor and No  
Treatment Reason

**Total Treatment  
Acreage Proposed: 0**

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>73010274-Cut</b>	26.5	42260 - Natural Pine, Mixed Deciduous	High Density Log	105		Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription: The stand is to be harvested as a 2" spec final harvest. The retention should be focused along the snowmobile trail.

Specs:

Other

Comments:

Next Steps: After the harvest replant the stand to red pine, expand the unplanted area around the Leota Weather Station.

Proposed

Start Date: 10/01/2009

<b>73010290-Cut</b>	17.1	42110 - Planted Red Pine	High Density Pole	56		Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription: The stand needs to be thinned by a systematic thinning individual tree marking taking the residual BA down to 110.

Specs:

Other

Comments:

Next

Steps:

Proposed

Start Date: 10/01/2009

<b>73010295-Cut</b>	28.0	4122 - Oak, Pine	High Density Pole	83		Harvest	Clearcut with Reserves	4129 - Mixed Oak	Cmpt. Review Proposal
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Prescription: The stand should be harvested as a 2" spec final harvest. The harvest should retain all red and white pine as well as marked oak for retention.

Specs: This retention should be focused along the snowmobile trail.

Other

Comments:

Next

Steps: After the stand is harvested interplant with red pine.

Proposed

Start Date: 10/01/2009

<b>73010296-Cut</b>	39.4	42260 - Natural Pine, Mixed Deciduous	High Density Pole	68		Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal
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Prescription: The stand is to be harvested as a 2" spec final harvest. The retention should be a mixture of individually mark oak and pine. The retention

Specs: should be concentrated along the snowmobile trail.

Other

Comments:

Next

Steps: After the stand is harvested plant to red pine.

Proposed

Start Date: 10/01/2009



**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73010299-Cut	15.5	4122 - Oak, Pine	High Density Log	105		Harvest	Clearcut with Reserves	42111 - Planted Red Pine, Mixed Deciduous	Cmpt. Review Proposal

Prescription: The stand is to be harvested to 2" DBH but do not cut any red or white pine. Focus any addition retention to the area along the snowmobile trail.  
Specs:

Other Comments:

Next Steps: After harvest interplant red pine this will lead to a mixed oak/pine stand.

Proposed Start Date: 10/01/2009

73010308-Cut	21.7	42211 - Natural Red Pine, Mixed Deciduous	High Density Pole	73		Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription: The stand is to be final harvested to 2" DBH. The retention should be placed along the Township property for visual consideration. In addition the boundary should be marked along the top of the bluff that overlooks the Muskegon River Food plain  
Specs:

Other Comments:

Next Steps: After harvest replant the stand to red pine.

Proposed Start Date: 10/01/2009

73010310-Cut	6.8	42211 - Natural Red Pine, Mixed Deciduous	High Density Pole	73		Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription: Harvest the stand as a 2" spec final harvest. The retention should be placed to address visual concerns.  
Specs:

Other Comments:

Next Steps: After the harvest plant the stand to red pine.

Proposed Start Date: 10/01/2009

73010312-Cut	34.7	42110 - Planted Red Pine	High Density Log	73		Harvest	Systematic Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal
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Prescription: The stand is to be harvested as a thinning taking the BA down to around 120 sq ft. Concentrated the removal on damaged trees and leave the scattered live and dead oak. Focus the retention along the snowmobile trail.  
Specs:

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2009

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>73010314-Cut</b>	9.2	42140 - Planted Mixed Pine	High Density Pole	73		Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: The stand should be final harvest the stand to 2" DBH. The stand should have red pine and oak marked to met retention or leave the SE corner of the stand for retention.

Other Comments:

Next Steps: After the stand is harvested replant the stand to red pine.

Proposed Start Date: 10/01/2009

<b>73010323-Cut</b>	160.2	42220 - Natural Jack Pine	High Density Pole	63		Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
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Prescription Specs: This stand is in an established KW Block. Harvest the stand as a 2" clearcut. The retention should be left in strip going from the southwest to northeast and should be approximatly 33' wide. These strips are being left to simulate fire skips.

Other Comments:

Next Steps: After the harvest trench and replant to jack pine.

Proposed Start Date: 10/01/2009

<b>73010324-Cut</b>	34.3	42220 - Natural Jack Pine	High Density Pole	59		Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
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Prescription Specs: This stand is in an established KW Block. Harvest the stand as a 2" DBH final harvest. The retention in the stand should be left in strip going from the southwest to northeast going through the entire block. These strips should be approximately 33' wide.

Other Comments:

Next Steps: After the harvest trench and plant jack pine.

Proposed Start Date: 10/01/2009

<b>73010325-Cut</b>	86.7	42221 - Natural Jack Pine, Mixed Deciduous	High Density Pole	59		Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
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Prescription Specs: This stand is in an established KW Block. Harvest the stand as a 2" DBH final harvest. The retention in the stand should be left in strip going from the southwest to northeast going through the entire block. These strips should be approximately 33' wide.

Other Comments:

Next Steps: After the harvest trench and plant jack pine

Proposed Start Date: 10/01/2009

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
<b>73010334-Cut</b>	7.3	42121 - Planted Jack Pine, Mixed Deciduous	High Density Pole	72		Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> The stand is to be harvested as a 2" Spec final harvest.  <u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> After the harvest replant the stand to jack pine.  <u>Proposed Start Date:</u> 10/01/2006</p>									
<b>73010336-Cut</b>	32.5	4122 - Oak, Pine	High Density Log	94		Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest the stand as a 2" spec, except for oak which is to be cut to 4" DBH and white pine to be cut to 6" DBH. In addition mark some trees for retention  <u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> The stand is expected to regenerate to a mixture of aspen, oak, maple, and jack pine.  <u>Proposed Start Date:</u> 10/01/2006</p>									
<b>73010338-Cut</b>	86.7	42290 - Natural Mixed Pine	High Density Pole	74		Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal
<p><u>Prescription</u> This stand is in an established KW Block. Harvest the stand as a 2" DBH final harvest. The retention in the stand should be left in strip going from the southwest to northeast going through the entire block. These strips should be approximately 33' wide.  <u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> After the harvest trench and plant jack pine for KW.  <u>Proposed Start Date:</u> 10/01/2009</p>									
<b>73010344-Cut</b>	22.8	4125 - Black, N. Pin Oak	High Density Pole	96		Harvest	Clearcut with Reserves	4121 - Oak, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest the stand as a 2" spec final harvest, except the oak which is to be cut to 4" DBH. In addition, do not harvest any white and red pine.  <u>Specs:</u></p> <p><u>Other Comments:</u></p> <p><u>Next Steps:</u> The stand is expected to regenerate to a mixture of oak and aspen.  <u>Proposed Start Date:</u> 10/01/2006</p>									

**Out of YOE -- Treatments  
Prescribed with No Limiting Factor**

Year of Entry: 2014



Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73010420-Cut	1.5	42220 - Natural Jack Pine	High Density Pole	66		Harvest	Clearcut with Reserves	42120 - Planted Jack Pine	Cmpt. Review Proposal - Incomplete

Prescription The stand should be harvested as a 2" spec final harvest. The retention should be kept in a small patch.

Specs:

Other

Comments:

Next The stand is to be replanted to jack pine after it is harvested.

Steps:

Proposed

Start Date: 10/01/2012

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**Total Treatment  
Acreage Proposed: 630.9**



Stand	Gladwin Mgt. Unit			5 – Forested Stands		Compartment: 033 Year of Entry: 2014
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	429 - Mixed Upland Conifers	High Density Pole	4.0	37		
2	429 - Mixed Upland Conifers	Medium Density Pole	8.1	37		
3	4136 - Aspen, Mixed Conifer	High Density Pole	48.2	37		
4	42200 - Natural White Pine	High Density Pole	4.8	37	1-50	
6	42200 - Natural White Pine	High Density Log	5.7	40	1-50	
7	6115 - Lowland Ash	High Density Pole	5.6	76		
8	42200 - Natural White Pine	High Density Pole	4.6	37	1-50	
10	6130 - Fir, Aspen, Maple	Medium Density Log	6.9	37		
12	4191 - Mixed Upland Deciduous with Conifer	High Density Log	8.6	76		
13	42200 - Natural White Pine	Medium Density Log	5.1	40		
15	42290 - Natural Mixed Pine	High Density Log	12.3	78	111-140	
16	4130 - Aspen	High Density Pole	24.2	40		Good candidate for early harvest to regulate aspen harvest in compartment, as well as for Gladwin FMU, the latter as identified in pre-inventory meeting.
17	6115 - Lowland Ash	Medium Density Pole	37.5	76		
18	429 - Mixed Upland Conifers	Medium Density Pole	6.8	40		
19	42260 - Natural Pine, Mixed Deciduous	High Density Log	14.4	78	1-50	
20	4191 - Mixed Upland Deciduous with Conifer	High Density Log	1.3	76		
21	4130 - Aspen	High Density Sapling	17.2	16		Tr of BA, O, F (canopy); haz and TA (sub). Old OI says 25 years old but can't be.
22	6115 - Lowland Ash	High Density Pole	5.3	78		

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## Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 033  
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	4311 - Pine, Aspen Mix	High Density Pole	10.5	40		
25	42200 - Natural White Pine	Medium Density Log	27.8	78		
27	42260 - Natural Pine, Mixed Deciduous	High Density Log	5.5	Uneven Age	141-170	Factor Limit for no access: Blocked by Secord Lake to West and by steep, deep drainage to Secord Lake to E, and private with same drainages to South. Stand to N was cut 25 years ago but difficulty of access and small stand size makes this stand not managerially desirable. Bisected by L type drainage.
28	42200 - Natural White Pine	High Density Log	2.5	78	141-170	
30	42200 - Natural White Pine	Low Density Sapling	19.2	16	1-50	
31	4133 - Aspen, Mixed Pine	High Density Sapling	11.1	16		
32	4319 - Mixed Upland Forest	High Density Pole	18.2	42	1-50	
33	6127 - Lowland Pine	High Density Log	8.2	42		
34	4133 - Aspen, Mixed Pine	High Density Pole	17.8	16		
35	6115 - Lowland Ash	High Density Pole	4.7	40		
36	4130 - Aspen	High Density Pole	21.6	40		
37	4130 - Aspen	High Density Sapling	3.4	20		
38	42200 - Natural White Pine	Medium Density Pole	4.6	42	1-50	
42	6127 - Lowland Pine	High Density Log	8.8	Uneven Age	81-110	
44	4130 - Aspen	Medium Density	6.4	23		
46	4130 - Aspen	High Density Sapling	5.9	20		
48	6127 - Lowland Pine	High Density Pole	14.5	42		

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## Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 033  
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
49	42200 - Natural White Pine	Low Density Pole	12.3	16	1-50	
50	6113 - Lowland Maple	High Density Log	3.1	71		
51	6127 - Lowland Pine	Medium Density Pole	12.5	42		
52	6113 - Lowland Maple	Low Density Pole	4.6	42		
55	6127 - Lowland Pine	High Density Log	4.7	83	51-80	
56	4130 - Aspen	High Density Pole	39.7	34		
57	42200 - Natural White Pine	High Density Pole	2.6	42	1-50	
59	6115 - Lowland Ash	Medium Density	1.6	20		
60	6113 - Lowland Maple	High Density Log	9.1	75	111-140	
61	4130 - Aspen	High Density Sapling	21.6	16		
63	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.6	42		
64	42200 - Natural White Pine	Low Density Pole	13.1	41	1-50	
65	4130 - Aspen	High Density Pole	8.8	39		
66	4110 - Sugar Maple Association	Medium Density Log	4.7	68	1-50	
67	6112 - Lowland Aspen	High Density Pole	3.8	45		
68	6119 - Mixed Lowland Deciduous Forest	High Density Log	18.6	75		
70	4130 - Aspen	High Density Pole	17.7	42		GOOD CANDIDATE FOR EARLY HARVEST to deal with unit level age class spike this YOE.
73	6115 - Lowland Ash	Medium Density Pole	8.7	75		

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## Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 033  
Year of Entry: 2014

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	4133 - Aspen, Mixed Pine	Medium Density	5.8	16		
75	6127 - Lowland Pine	Medium Density Pole	9.9	45		
77	6127 - Lowland Pine	High Density Pole	9.5	42	51-80	
78	4133 - Aspen, Mixed Pine	Low Density Sapling	6.4	17		Some resid O left as supercan, ave D about 9. Tr of R, Wht sprc in canopy, TA and R in sub.
80	4130 - Aspen	High Density Log	8.3	39		Candidate for early harvest to meet Gladwin FMU aspen regulation goals as identified in pre-inventory meeting.
84	6131 - Hemlock, White Pine, Maple, Birch	Medium Density	16.4	17		
86	4130 - Aspen	High Density Pole	1.4	39		
87	6119 - Mixed Lowland Deciduous Forest	High Density Log	29.1	46		
88	42330 - Upland Fir	Low Density Sapling	10.0	16		
93	4130 - Aspen	Medium Density	23.6	2		
96	429 - Mixed Upland Conifers	Low Density Pole	2.6	25		
97	6112 - Lowland Aspen	High Density Pole	2.1	42		
98	429 - Mixed Upland Conifers	Medium Density Pole	6.6	25		
99	4130 - Aspen	Medium Density	9.9	16		
100	4130 - Aspen	High Density Pole	15.3	42		Early harvest to meet Gladwin FMU aspen regulation goal identified at pre-review meeting. Also to regulate aspen harvest at compartment level.
101	6115 - Lowland Ash	Low Density Pole	1.7	49		
102	42200 - Natural White Pine	Medium Density	4.8	16	1-50	
103	6119 - Mixed Lowland Deciduous Forest	Low Density Pole	11.4	71		



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## Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 033  
Year of Entry: 2014

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
104	4130 - Aspen	High Density Pole	7.7	25		
105	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	6.5	71		
109	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	22.8	65	81-110	
110	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	8.2	40		
111	4130 - Aspen	High Density Pole	6.5	25		
114	6139 - Mixed Lowland Forest	High Density Pole	5.7	80		
115	42220 - Natural Jack Pine	Medium Density Pole	2.9	24		
116	6115 - Lowland Ash	Medium Density Log	3.7	46		
117	4130 - Aspen	High Density Pole	5.6	25		
118	6113 - Lowland Maple	Medium Density Pole	6.6	34		
119	4199 - Other Mixed Upland Deciduous	Medium Density Log	4.6	65		
120	4199 - Other Mixed Upland Deciduous	High Density Log	42.0	65	141-170	Trace of Black cherry (canopy); Hemlock, balsam fir and blue beech (subcanopy)
121	42220 - Natural Jack Pine	High Density Pole	4.9	71		
122	4130 - Aspen	High Density Pole	7.1	24		
123	42200 - Natural White Pine	High Density Log	24.0	Uneven Age	111-140	
124	4133 - Aspen, Mixed Pine	High Density Sapling	7.2	34		
125	42200 - Natural White Pine	Medium Density Pole	5.4	43	1-50	
126	4130 - Aspen	High Density Pole	11.0	25		

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## Gladwin Mgt. Unit

## 5 – Forested Stands

Compartment: 033  
Year of Entry: 2014

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42290 - Natural Mixed Pine	High Density Log	5.1	65	141-170	
42200 - Natural White Pine	Low Density Pole	4.6	24	1-50	
42200 - Natural White Pine	High Density Log	11.3	43	1-50	
4130 - Aspen	High Density Log	6.1	62		
429 - Mixed Upland Conifers	Low Density Sapling	5.1	16		
42290 - Natural Mixed Pine	High Density Log	16.0	65	141-170	
6122 - Black Spruce	High Density Sapling	4.6	35		
6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	2.1	63		
4130 - Aspen	High Density Sapling	27.5	16		
4130 - Aspen	Medium Density	10.2	2		
4130 - Aspen	High Density Pole	56.2	38		
42200 - Natural White Pine	High Density Pole	12.2	63	1-50	
42210 - Natural Red Pine	Medium Density Log	7.6	81	111-140	
42200 - Natural White Pine	High Density Log	5.5	86	81-110	
6119 - Mixed Lowland Deciduous Forest	Medium Density Log	48.2	79		
4130 - Aspen	High Density Sapling	8.4	18		
42200 - Natural White Pine	High Density Log	4.0	63	1-50	
4130 - Aspen	High Density Sapling	3.5	18		

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Gladwin Mgt. Unit

5 – Forested Stands

Compartment: 033  
Year of Entry: 2014



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
158	4319 - Mixed Upland Forest	High Density Pole	4.6	23		
160	4130 - Aspen	Low Density Pole	5.2	38		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	6220 - Alder/willow	26.2	No	Unspecified	TA. Old beaver dam. A and E in center. Tr of willow
9	3303 - Mixed Low Density Trees	2.0	No	Unspecified	
11	629 - Mixed non-forested wetland	2.3	No	Unspecified	30% R.O. Dgwd
14	6220 - Alder/willow	1.8	No	Unspecified	
23	629 - Mixed non-forested wetland	6.7	No	Unspecified	37% N
26	50 - Water	23.2	N/A	Unspecified	
29	6230 - Cattail	3.7	No	Unspecified	Some cattails and TA and a little open water.
39	3102 - Grass	9.2	Yes	Jack Pine	
40	3301 - Low Density Deciduous Tree	18.3	N/A	Unspecified	
41	629 - Mixed non-forested wetland	1.1	No	Unspecified	Few ash.
43	3102 - Grass	1.1	N/A	Unspecified	
45	6233 - Wet Meadow	7.0	N/A	Unspecified	
47	3103 - Rubus-Fern	7.3	Natural Regen	Upland Mixed Forest	
53	50 - Water	1.7	N/A	Unspecified	
54	50 - Water	5.1	N/A	Unspecified	
58	6239 - Mixed Emergent Wetland	6.2	N/A	Unspecified	
62	6220 - Alder/willow	1.2	N/A	Unspecified	
69	6220 - Alder/willow	2.1	N/A	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
71	629 - Mixed non-forested wetland	2.2	No	Unspecified	20-30% cattails in small pond, as well as knapweed, mullien and some trees. Road through stand.
72	6220 - Alder/willow	4.2	NVA	Unspecified	
76	6225 - Bog	2.5	No	Unspecified	15% L ans some spruce and W saps @ N end.
79	6220 - Alder/willow	4.0	No	Unspecified	TA
81	6225 - Bog	1.0	No	Unspecified	25% L.
82	6220 - Alder/willow	1.1	No	Unspecified	
83	6239 - Mixed Emergent Wetland	6.6	NVA	Unspecified	
85	6239 - Mixed Emergent Wetland	19.5	Natural Regen	Lowland Mixed Forest	
89	6220 - Alder/willow	3.0	NVA	Unspecified	
90	6230 - Cattail	6.4	No	Unspecified	
91	3303 - Mixed Low Density Trees	17.9	NVA	Unspecified	
92	6220 - Alder/willow	1.1	NVA	Unspecified	
94	6220 - Alder/willow	1.2	NVA	Unspecified	
95	6239 - Mixed Emergent Wetland	3.7	NVA	Unspecified	
106	3202 - Autumn Olive/Honeysuckle	3.0	NVA	Unspecified	
107	3103 - Rubus-Fern	21.4	Natural Regen	Jack Pine	
108	6239 - Mixed Emergent Wetland	8.4	NVA	Unspecified	
112	6239 - Mixed Emergent Wetland	11.4	Natural Regen	Lowland Mixed Forest	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
113	3103 - Rubus-Fern	12.9	Natural Regen	Jack Pine	
130	122 - Road/Parking Lot	1.7	NVA	Unspecified	
132	629 - Mixed non-forested wetland	20.5	NVA	Unspecified	
137	3204 - Mast Producing Shrub	1.6	No	Unspecified	
141	6225 - Bog	1.5	NVA	Unspecified	
142	6239 - Mixed Emergent Wetland	2.7	NVA	Unspecified	
145	6224 - Treed Bog	2.9	NVA	Unspecified	
147	6225 - Bog	1.5	NVA	Unspecified	
149	3102 - Grass	3.7	NVA	Unspecified	
151	3202 - Autumn Olive/Honeysuckle	5.8	NVA	Unspecified	
154	122 - Road/Parking Lot	7.0	NVA	Unspecified	
156	6233 - Wet Meadow	1.2	NVA	Unspecified	
159	629 - Mixed non-forested wetland	2.5	NVA	Unspecified	
161	3202 - Autumn Olive/Honeysuckle	1.1	No	Unspecified	



**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.

Stand	SCA Type	SCA Name	Acres	Comments



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.

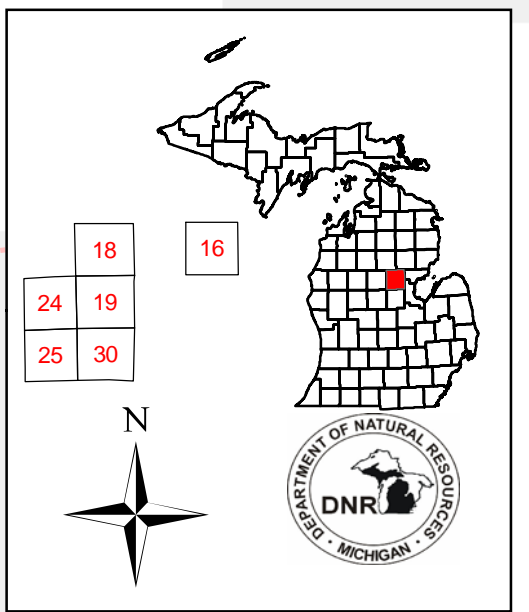
ERA = Ecological Reference Area  
HCVA = High Conservation Value Area  
SCA = Special Conservation Area

Conservation Area	Type	Description
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.
HCVA	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific management uses through the promulgation of rules, as governed by Part 5, Department of Natural Resources, of the NREPA (MCL 324.502(2) and 324.504). Section 38 of the Administrative Procedures Act (MCL 24.238) provides for public requests for the promulgation of rules. This is an active program, with one proposed site currently under review by the DNR.



# Cover Type & Treatment Map

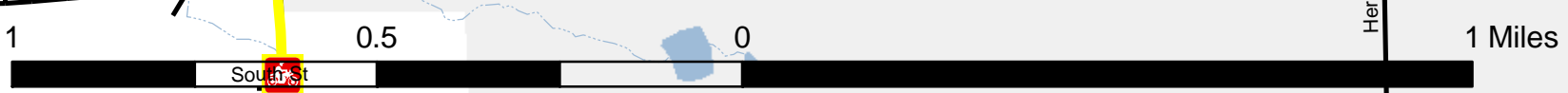
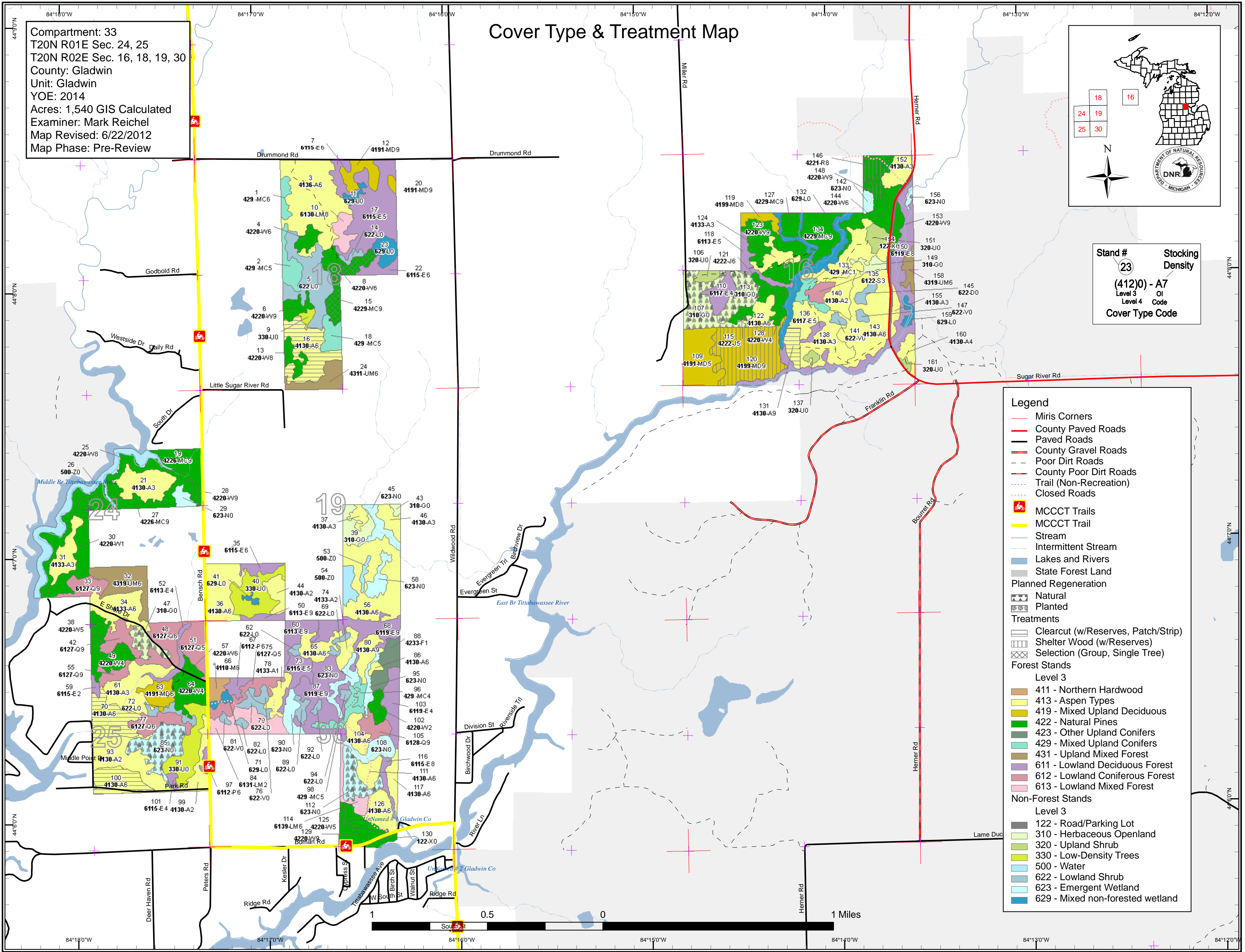
Compartment: 33  
 T20N R01E Sec. 24, 25  
 T20N R02E Sec. 16, 18, 19, 30  
 County: Gladwin  
 Unit: Gladwin  
 YOE: 2014  
 Acres: 1,540 GIS Calculated  
 Examiner: Mark Reichel  
 Map Revised: 6/22/2012  
 Map Phase: Pre-Review



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

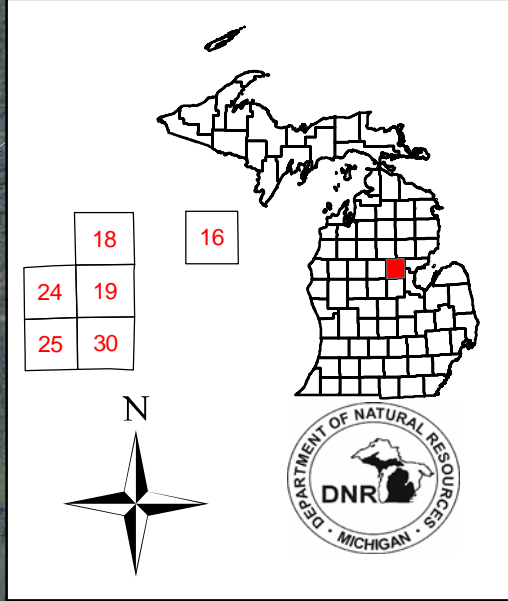
**Legend**

- Miris Corners
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- MCCCT Trails
- MCCCT Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land
- Planned Regeneration
  - Natural
  - Planted
- Treatments
  - Clearcut (w/Reserves, Patch/Strip)
  - Shelter Wood (w/Reserves)
  - Selection (Group, Single Tree)
- Forest Stands
  - Level 3
    - 411 - Northern Hardwood
    - 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
      - 122 - Road/Parking Lot
      - 310 - Herbaceous Openland
      - 320 - Upland Shrub
      - 330 - Low-Density Trees
      - 500 - Water
      - 622 - Lowland Shrub
      - 623 - Emergent Wetland
      - 629 - Mixed non-forested wetland



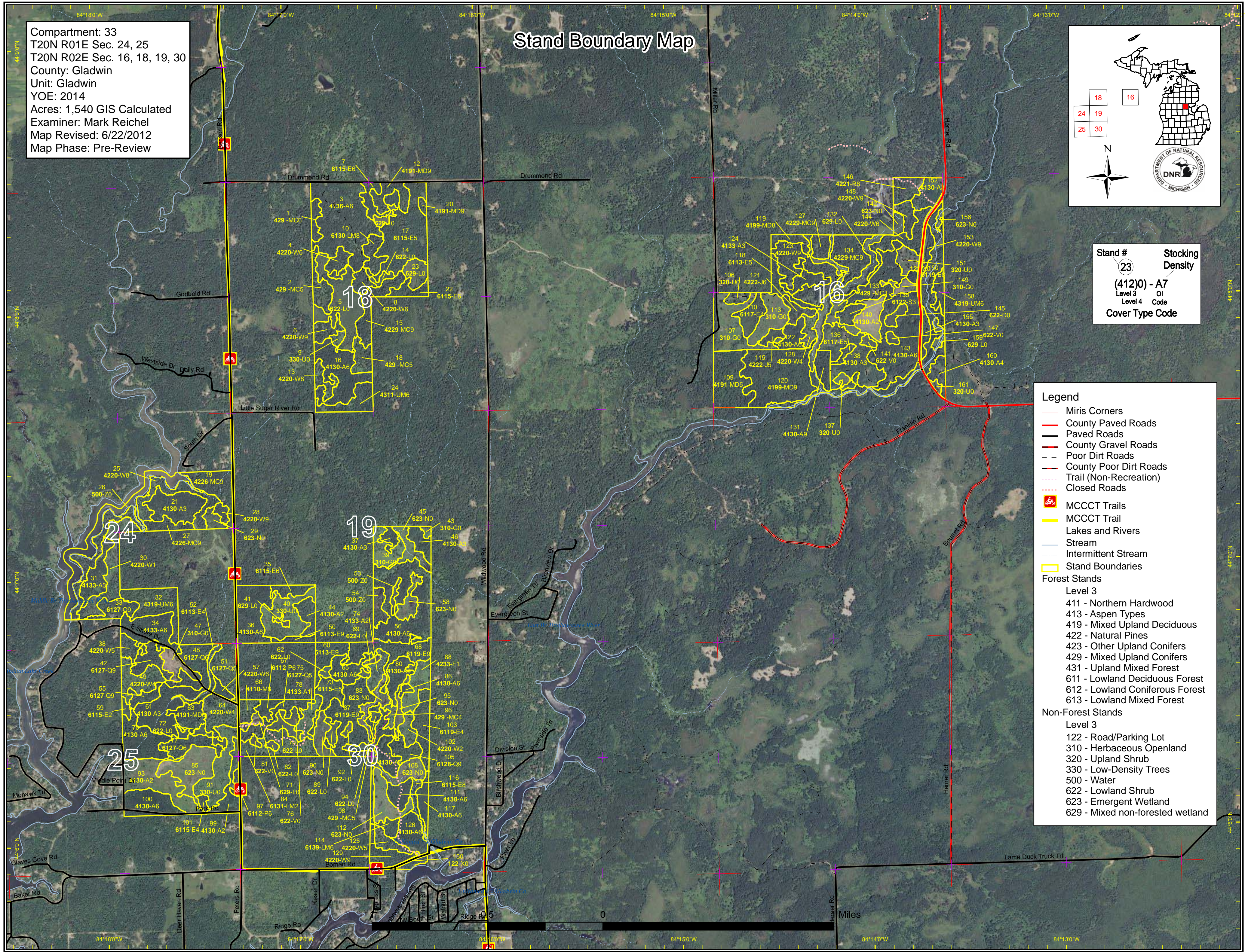
# Stand Boundary Map

Compartment: 33  
 T20N R01E Sec. 24, 25  
 T20N R02E Sec. 16, 18, 19, 30  
 County: Gladwin  
 Unit: Gladwin  
 YOY: 2014  
 Acres: 1,540 GIS Calculated  
 Examiner: Mark Reichel  
 Map Revised: 6/22/2012  
 Map Phase: Pre-Review



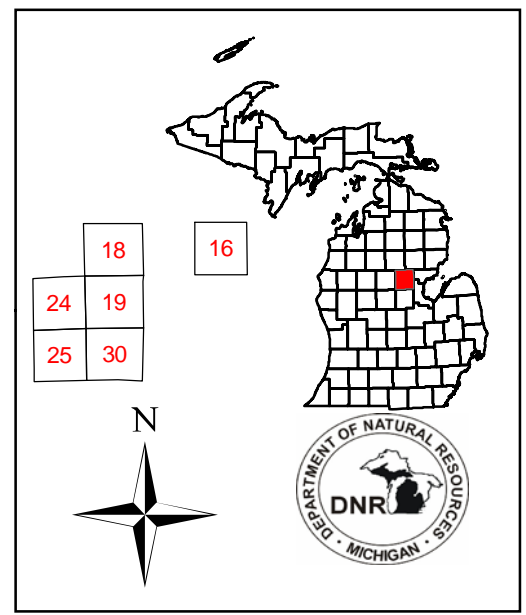
**Stand #**  
 23  
**Stocking Density**  
 (412)0 - A7  
 Level 3 OI  
 Level 4 Code  
**Cover Type Code**

- Legend**
- Miris Corners
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - MCCCT Trails
  - MCCCT Trail
  - Lakes and Rivers
  - Stream
  - Intermittent Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 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
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland
  - 629 - Mixed non-forested wetland



# Dedicated & Proposed Special Conservation Area Map

Compartment: 33  
 T20N R01E Sec. 24, 25  
 T20N R02E Sec. 16, 18, 19, 30  
 County: Gladwin  
 Unit: Gladwin  
 YOE: 2014  
 Acres: 1,540 GIS Calculated  
 Examiner: Mark Reichel  
 Map Revised: 6/22/2012  
 Map Phase: Pre-Review



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

- Legend**
- + Remonumented Section Corners
  - + Miris Corners
  - Stand Boundaries
  - Dedicated Special Conservation Areas
  - Cold Water Streams
  - Dedicated Management Areas
  - ▲ Campgrounds
  - Wildlife Management Areas
- Forest Stands**
- Level 3
- 411 - Northern Hardwood
  - 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
- 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland
  - 629 - Mixed non-forested wetland

