



**72 FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 298 ENTRY YEAR: 2005

**Compartment Acreage: GIS=3005 County: Crawford
LOT=3043**

Revision Date: 1-25-2008 for the Red Pine Project

Stand Examiner: Patrick L. Potter/ Lucas Merrick updated by Patrick L. Potter for the Red Pine Project

Legal Description: T25N R02W Sections 1, 11, 12, 14
T25N R01W Sections 30, 31

Management Goals: The main goal of the Red Pine Project is to adjust and balancing the red pine cover-type age-class distribution by harvesting red pine timber stands in the 40-79 year age-classes and regenerating areas to red pine. The emphasis of management shall be on retaining and enhancing the natural beauty and biological diversity of the area, and enhancing wildlife habitat for both hunting and wildlife observation purposes while maintaining forest health, productivity, sustainability, species and structural diversity while accounting for visual management and multiple uses. Much of this property was received from the U.S.D.A. Forest Service with four covenants of restriction. Three areas are affected by the restrictions.

Soil and Topography: Soil types within this compartment consist mostly of Grayling, and Graycalm sand, with some Kellogg and Wakeley muck along Thayer creek. Topography is gently rolling with a few ridge s.

Ownership Patterns, Development, and Land Use in and Around the Compartment: This compartment consists of solid state ownership. It is bounded on the east and south primarily by state land within the Mason Tract, a special management area. It is bounded on the west by state, U.S.D.A. Forest Service land and private land holdings. The north boundary interfaces with private land. Much of the private interface is still currently used as seasonal residences or hunting land. Most private interface on the compartment boundaries is dominated by three private landowners, one of which is Forest Dunes Golf and Country Club (originally known as South Branch Ranch). Forest Dunes Golf and Country Club, has since reorganized and reopened with less acreage. Currently a portion of the original tract is for sale by BankOne. This property is only exposed to the compartment boundaries in a very small area, and has a very jagged boundary line. Obtaining these acres would be of little benefit to the State in its current condition. Much of the compartment property was received in 1985 from the U.S.D.A Forest Service with four covenants restriction.

1. Any use and/or change, which may affect the archaeological research value and/or historical features of any of the described properties in Sections 1 and 12, including but not limited to such activities as timber cutting, road building or improvement, running of mechanize equipment over the property other than on existing roadways, use of metal detectors, and brush removal, is prohibited without prior review and approval of the Michigan State Historic Preservation Officer.
2. In the event of a violation of the above restrictions, the United States or other entity may institute a suit of enjoin such violation, a suit for damages by reason of any breach thereof, or both.
3. The above restrictions shall be binding on the Michigan Department of Natural Resources, its successors or assigns, in perpetuity, but the Michigan State Historic Preservation Officer may, for good cause, modify or cancel any or all of the foregoing restrictions upon written application the Michigan Department of Natural Resources, it successors or assigns. Such modification or

cancellation will take into account the exact nature and extent of the proposed construction or other activities and results of any future evaluations of the property's historic and archaeological significance made in accordance with the procedures set forth in Title 36 of the Code of Federal Regulations, Part 800. If the keeper of the National Register determines that any of the above described property is not eligible for nomination to the National Register of Historic Places, the Michigan State Historic Preservation Officer shall deliver to the Michigan Department of Natural Resources, its successor or assigns, an appropriate document in recordable form releasing any such property from the conditions, restrictions, and limitations set forth herein.

4. The acceptance of the delivery of this deed or patent shall constitute conclusive evidence of the agreement of the Michigan Department of Natural Resources, its successors or assigns, to be bound by these conditions, restrictions, and limitations, and to perform the obligation herein set forth.

Unique, Natural Feature: Thayer Creek, a tributary of the South Branch of the AuSable River, is a designated natural river and trout stream.

Archeological, Historical, and Cultural Features: Early twentieth century farmstead.

Special Management Designations or Considerations: Much of this property was received from the U.S.D.A. Forest Service with four covenants of restriction. Also, stand 131, which is a well stocked white pine sawtimber stand next to a swampy area, interfaces with good wildlife habitat and is visually pleasing.

Watershed and Fisheries Considerations: This compartment contains Thayer Creek, a tributary to the South Branch of the AuSable River, a designated natural river and trout stream. Thayer Creek offers limited fisheries potential, but does affect the AuSable. Currently, much of Thayer Creek has been dammed by beavers and has active beaver lodges.

Wildlife Habitat Considerations: The southern portion of the compartment offers excellent wildlife habitat. There is a diverse type of cover and age classes near Thayer Creek, which offer food and cover for a variety of wildlife. Many deer were sighted in the compartment, as well as multiple signs of bear, badger, fox, woodcock, coyotes, beaver, rabbits, and songbirds. Much of the southern part of the compartment is winter deeryard. The compartment does contain a one acre maintained wildlife opening.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. Glacial drift thickness varies between 200 and 600 feet. Beneath the glacial drift is the Michigan Formation, which is quarried for gypsum elsewhere in the State. Gravel pits are located in the area and its potential should be good on the upland areas. This area has been sparsely drilled. The nearest production is Hickeys Creek Field, located two miles to the southeast, producing oil from the Richfield and gas from the Prairie du Chien. Oil and gas leases are located just to the east of the Compartment.

Vehicle Access: Access to most of the compartment is easily obtained from county roads M-72 and South Branch Ranch Road. A series of trail roads make most of the compartment seasonally accessible by a four-wheel drive vehicle. No existing roads need to be closed at this time. All new roads created through management activities are to be closed upon completion.

Survey Needs: None at this time.

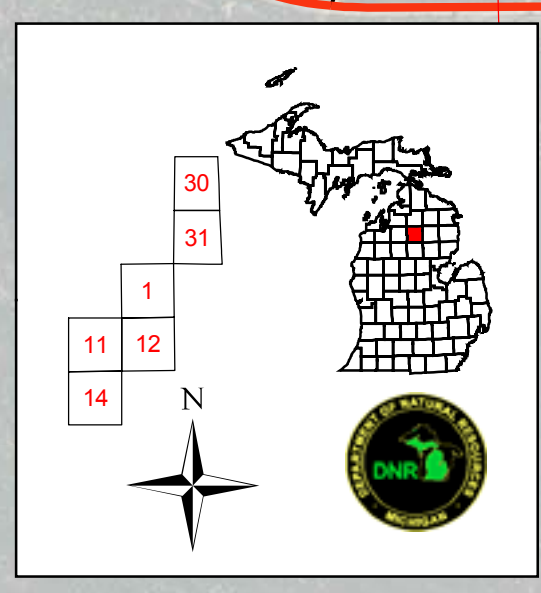
Recreational Facilities and Opportunities: The compartment receives heavy dispersed recreational use, partly because it is adjacent to one entrance point for the well-known "Mason Tract". One primary use of the area is hunting, due to the excellent wildlife habitat in the vicinity. The Michigan Riding and Hiking trail runs through a portion of the compartment. The compartment is also adjacent to Canoe Harbor Campground and receives use from campers and canoeists using the nearby AuSable River.

Fire Protection: Current road system is adequate, and no timber conversion is needed.

Additional Compartment Information: Due to the compartment's proximity to the Canoe Harbor Campground, and its high recreational potential, there are many opportunities for educational and visual management.

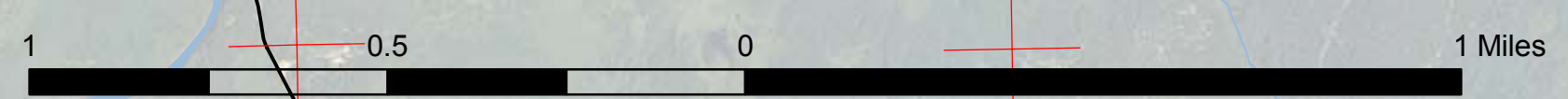
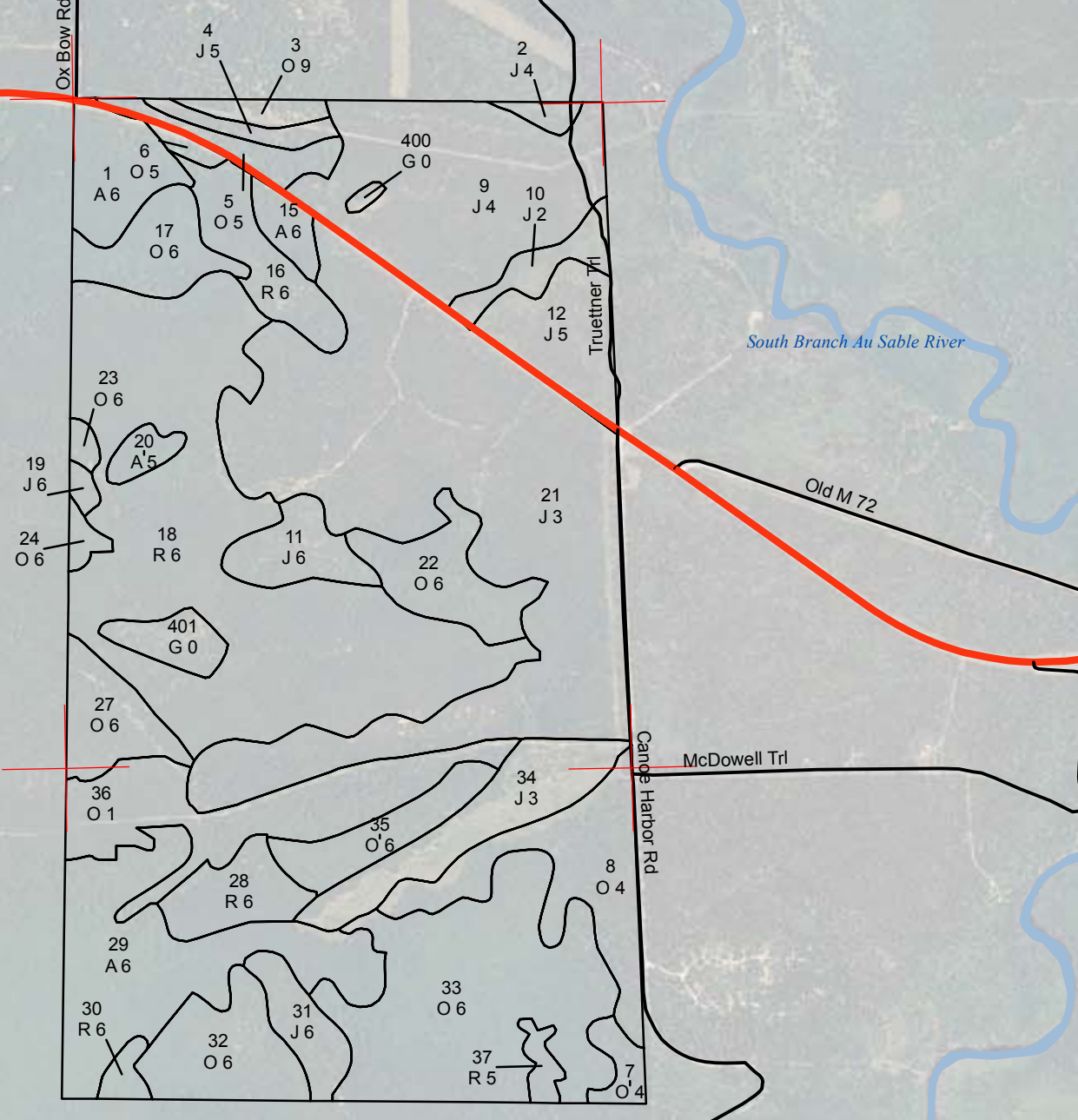
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
71	R6	60	67	60	red pine	immature	final harvest	1	planting	
comnts Fmd : Leave a 5 chanin buffer along south Branch Road. Mark 40BA of red pine to leave within buffer, fianl harvest and replant to red pine rest of stand. Stand treated under the RPP. Wld- Check this stand and several others in Compartment 298 were field reviewed by Susan, Patrick and Me. We agreed on this prescription for this stands whele others were not included in this project. Treat with stands 101 and 103. THIRD ROW THIN IN 1997.										
101	R6	53	67	61	red pine	immature	final harvest	1	planting	
comnts Fmd : Final harvest and replant red pine. Treat with stands 71 and 103. Wld- Check this stand and several others in Compartment 298 were field reviewed by Susan, Patrick and Me. We agreed on this prescription for this stands whele others were not included in this project. Stand treated under the RPP. THIRD ROW THIN, NICE STRAIGHT ROWS THINNED IN 1997. 2003: Some Hdwds poping up in the understory. Good looking red pine.										
103	R6	48	41	50	red pine	immature	final harvest	1	planting	
comnts Fmd : Final harvest and replant red pine. Treat with stands 71 and 101. Wld- Check this stand and several others in Compartment 298 were field reviewed by Susan, Patrick and Me. We agreed on this prescription for this stands whele others were not included in this project. Stand treated under the RPP. 2-AGED JP STD W/ PORTIONS UNDERPLANTED TO R PINE-CONTAINS SCATTERED OAK-HOLD AS MOST OF STD IS BARELY MERCH- J5/R5/O2 STD										
Total Acres.....		161								

Compartment 298
 T26N, R01W, Sec. 30, 31
 T25N, R02W, Sec. 1, 11, 12, 14
 County: Grayling
 Unit: Crawford
 YOE: 2005
 Acres: 3,005 GIS Calculated
 Stand Examiner: Patrick Potter
 Map Revised: 2/05/2008
 Map Phase: Pre-Review



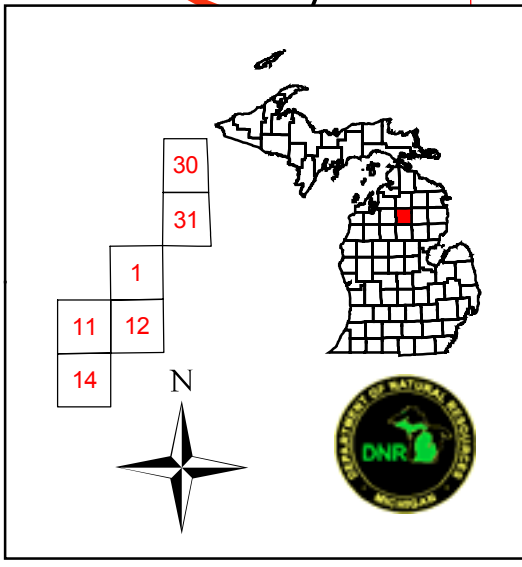
Field Map

- Legend**
- Miris Corners
 - State Highway
 - Paved Road
 - Intermittent Stream/Drain
 - Stream
 - Lakes and Rivers
 - State Highway
 - Stand Boundary
 - Final Harvest



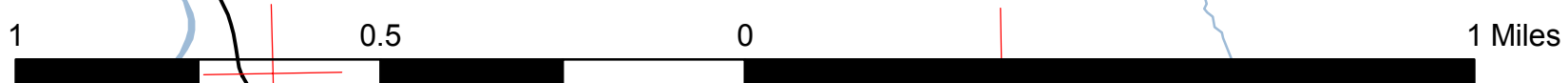
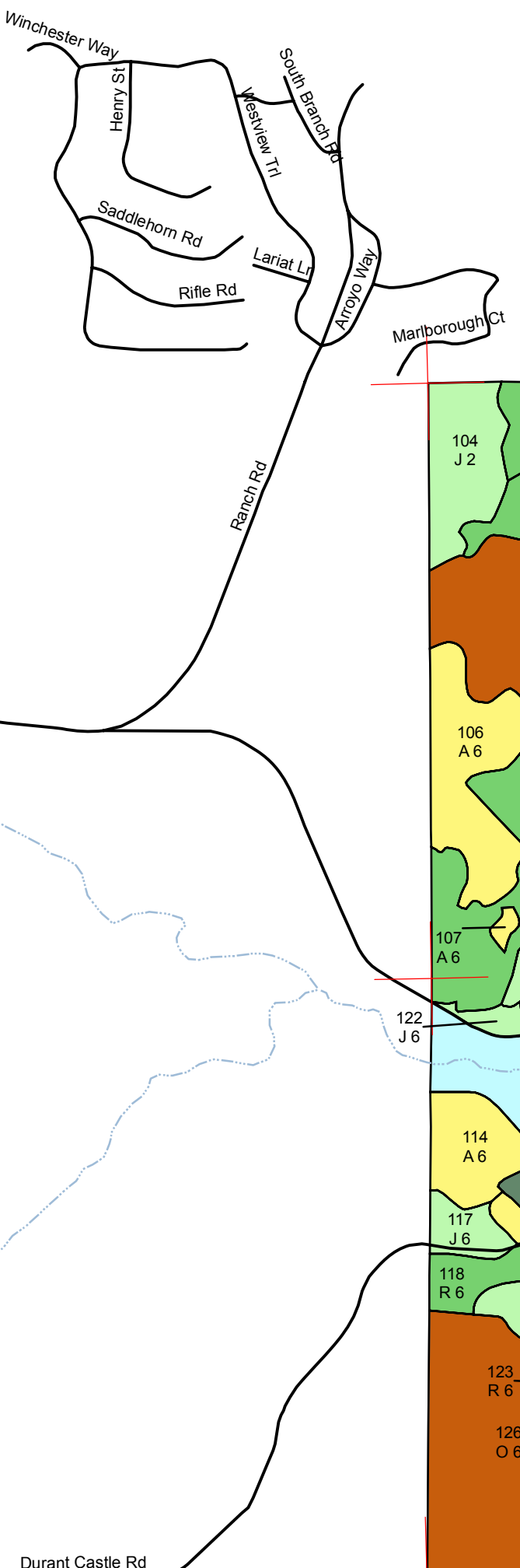
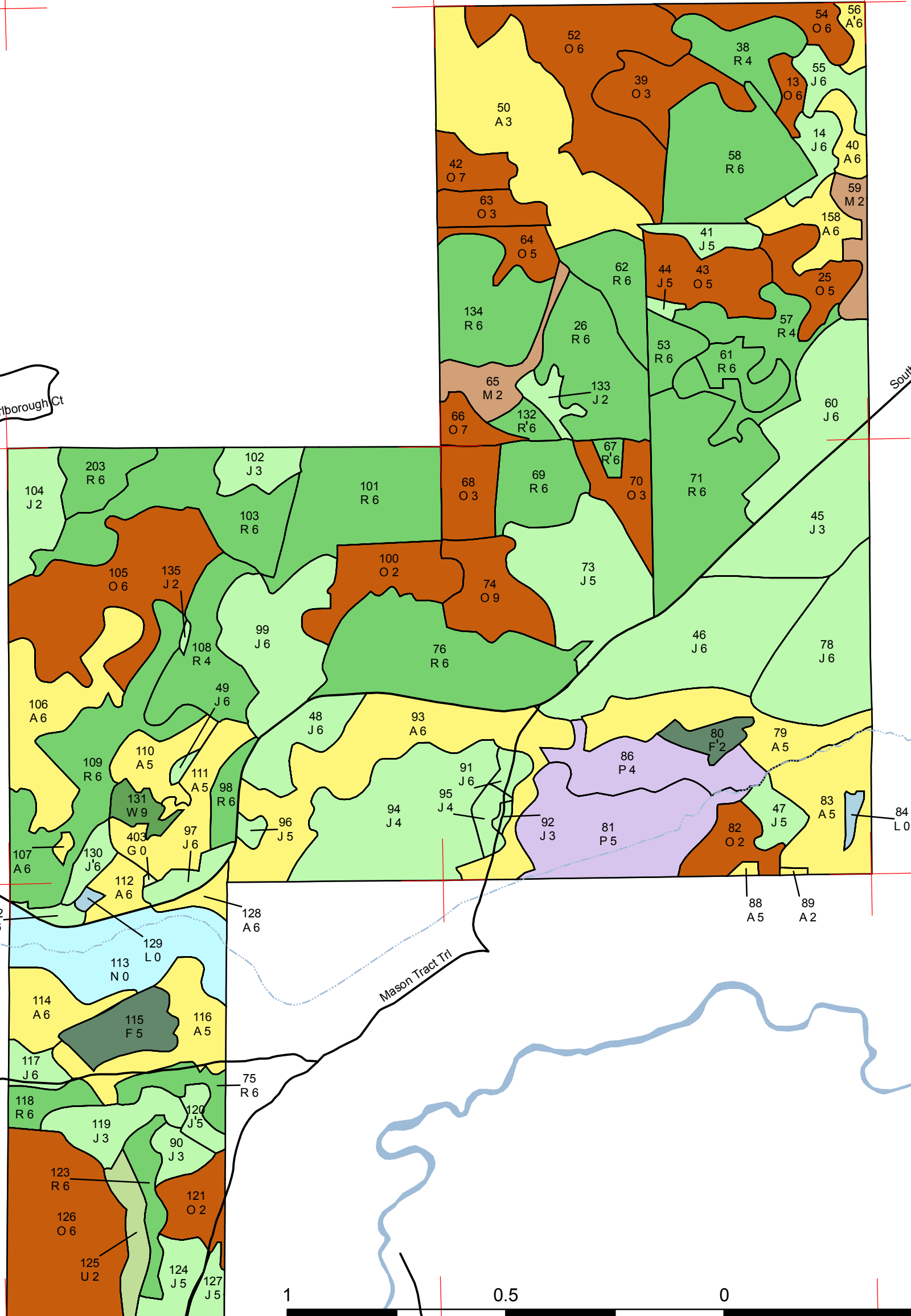
Cover Type

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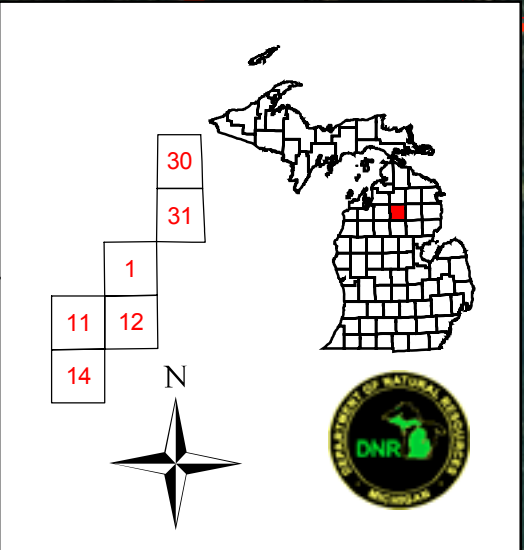
Legend

- Miris Corners
- State Highway
- Paved Road
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- State Highway
- Stand Boundary
- A - Aspen
- F - Upland Spruce or Fir
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- M - Northern Hardwoods
- N - Marsh
- O - Oak
- P - Balsam Poplar Swamp
- R - Red Pine
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine



Treatment

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