



**BARAGA FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #61 ENTRY YEAR: 2010

Compartment Acreage: 1823 County: Houghton

Revision Date: 10/17/2007

Stand Examiner: Jason S. Mittlestat

Legal Description: Chassell Township
T53N, R33W, Sections 29, 31, 32 and 33.

RMU (if applicable):

Management Goals: To maintain a healthy sustainable forest with special consideration to wildlife and fisheries habitat.

Soil and Topography: The lowland to the east is Lupton and Cartho muck. The upland to the east is Au Gres sand, Arnheim silt loam, and Pelkie loamy fine sand. Upland to the west is a Complex of Munising loamy fine sand, sandy loam and loamy sand, Abbaye loamy fine sand, Kalkaska sand, Alcona loamy fine sand and Liminga fine sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Several small private ownerships of both wooded and farm lands adjoin this compartment. There is a parcel of adjoining state land to the north.

Unique, Natural Features (include only non-site specific and non-sensitive information): MNFI recognizes the potential for loon, bald eagle, osprey, merlin, great-blue heron rookeries, red-shouldered hawk, northern goshawk, gray wolf, moose and wood turtle (along drainages).

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): none.

Special Management Designations or Considerations: BMP guidelines should be followed around the intermittent streams.

Watershed and Fisheries Considerations: The Sturgeon River, it's sloughs and several unnamed tributaries drain into the water resources.

Wildlife Habitat Considerations: Favor mesic conifers; White Pine and Hemlock, as well Northern Red Oak. There is ongoing maintenance of the impoundments, roads, parking lot, and dikes of the Sturgeon River Sloughs Wildlife Area.

Mineral Resource and Development Concerns and/or Restrictions: none.

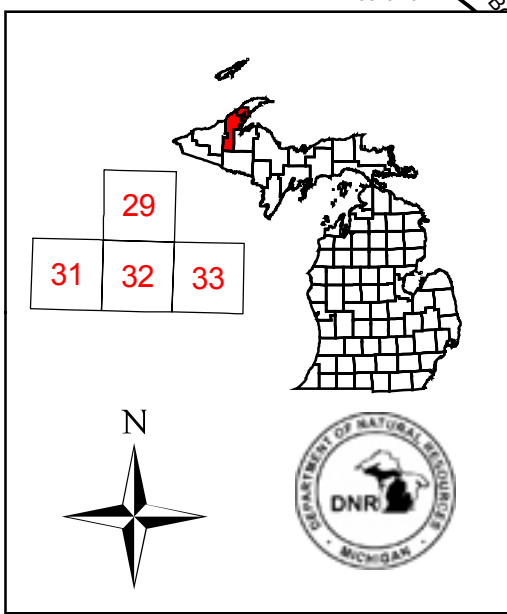
Vehicle Access: Access to state owned land though private ownership may be a problem. Also, additional access may require DEQ permits due to numerous drainages in the area.

Survey Needs: Some survey work will need to be done for harvest activities.

Recreational Facilities and Opportunities: The Sturgeon River Sloughs Wildlife Area impoundments provide good hunting for waterfowl. The area is popular locally for fishing, canoeing, trapping, and hunting for waterfowl, deer, bear, and small game.

Fire Protection: This compartment has minimal fire activity.

Compartment 61
 T53N, R33W, Sec. 29, 31-33
 County: Houghton
 Unit: Baraga
 YOE: 2010
 Acres: 1,823 GIS Calculated
 Stand Examiner: Jason Mittlestat
 Map Revised: 8/04/2008
 Map Phase: Pre-review



Cover Type & Treatment Map

Legend

- Miris Corners
- Paved Road
- Intermittent Stream/Drain
- Stream
- Trails
- Snowmobile Trails
- Mowing
- Water Level Management

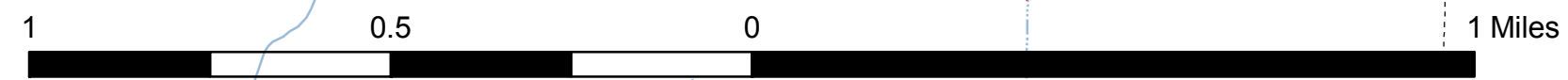
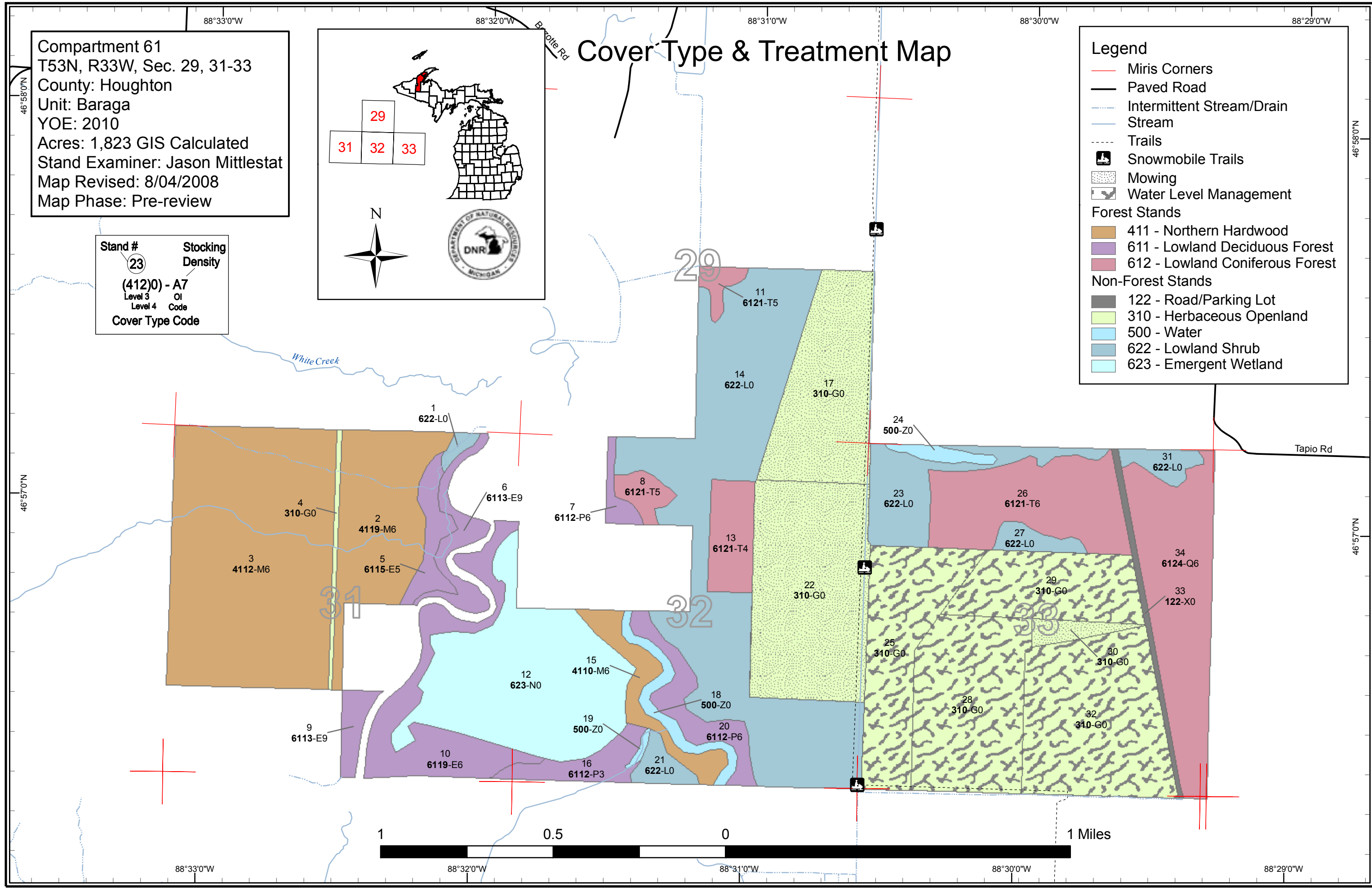
Forest Stands

- 411 - Northern Hardwood
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

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



88°33'0"W 88°32'0"W 88°31'0"W 88°30'0"W 88°29'0"W

46°58'0"N

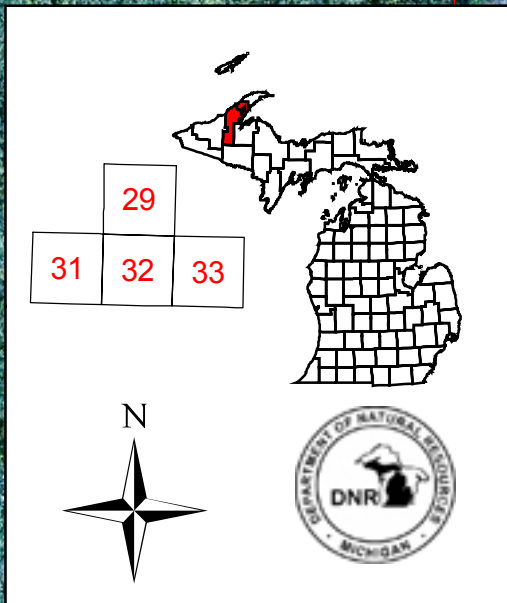
46°57'0"N

46°58'0"N

46°57'0"N

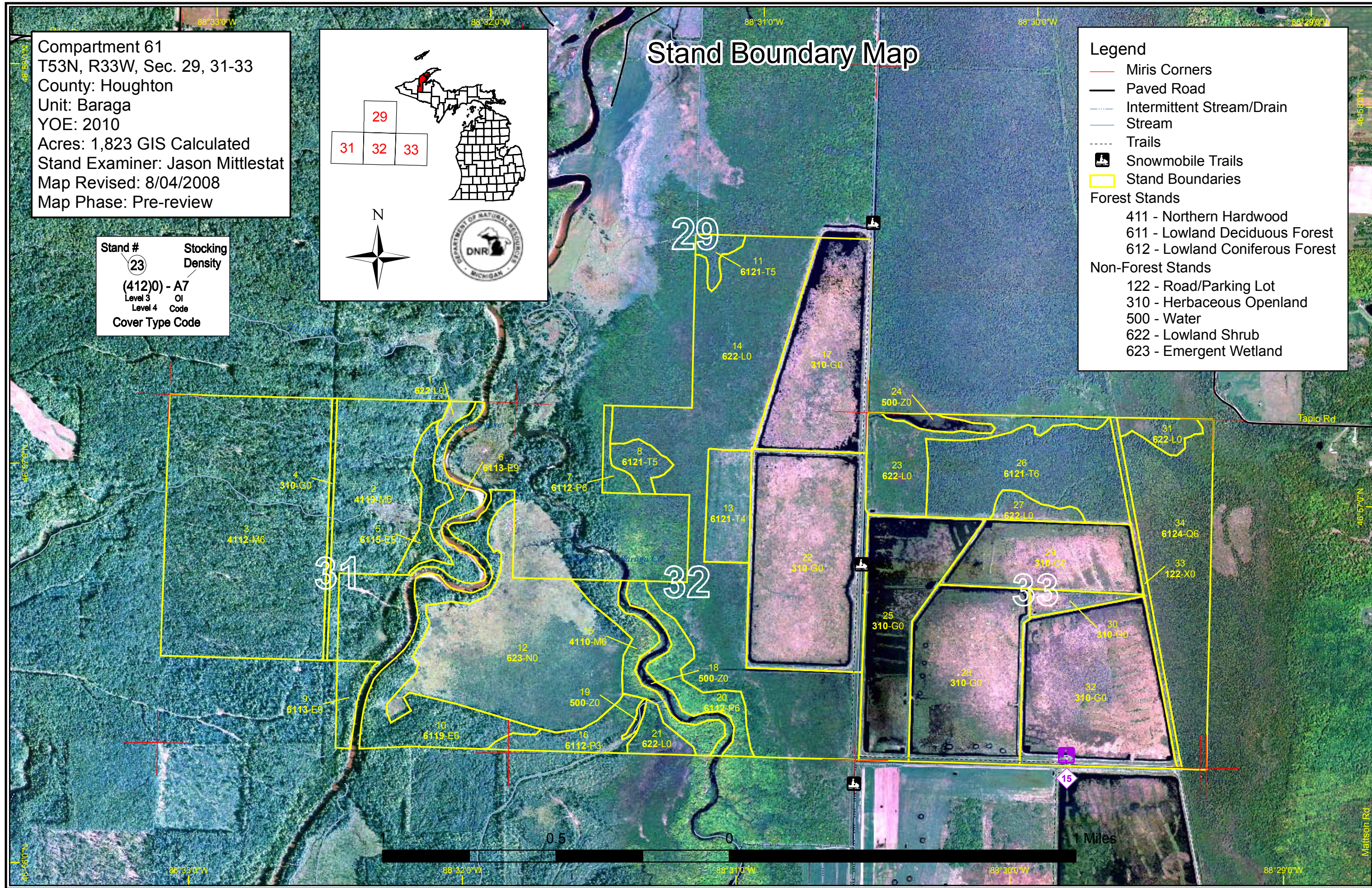
Stand Boundary Map

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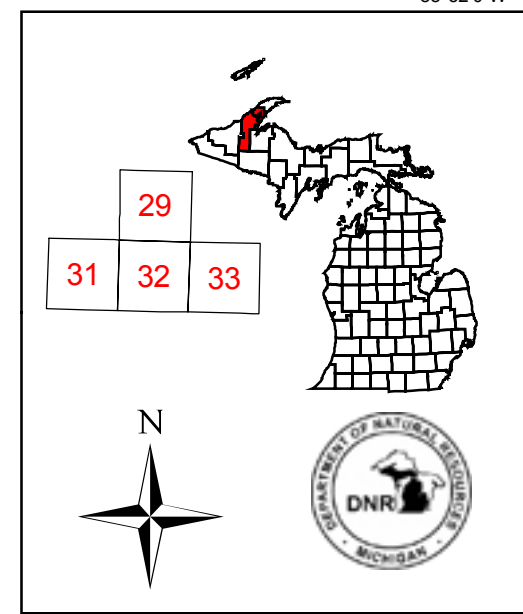


- Legend**
- Miris Corners
 - Paved Road
 - Intermittent Stream/Drain
 - Stream
 - - - Trails
 - Snowmobile Trails
 - Stand Boundaries
- Forest Stands**
- 411 - Northern Hardwood
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Stand #	Stocking Density
23	
(4120) - A7	
Level 3	OI
Level 4	Code
Cover Type Code	



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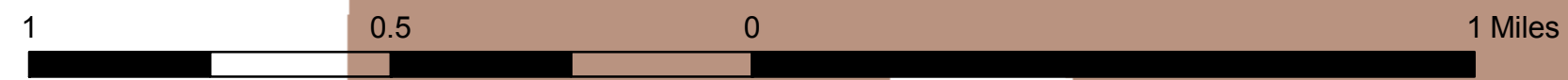
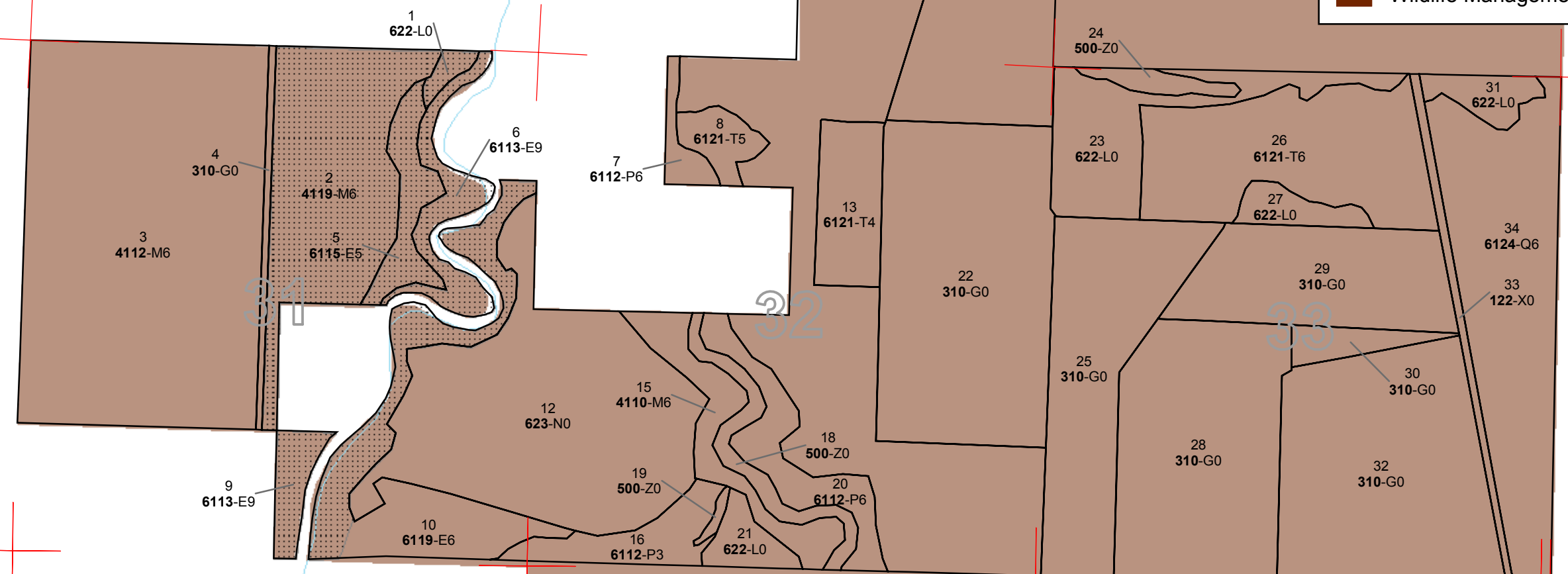


Dedicated & Proposed Special Conservation Area Map

Legend

- Miris Corners
- Stand Boundaries
- Forest Stands**
 - 411 - Northern Hardwood
 - 611 - Lowland Deciduous Forest
 - 612 - Lowland Coniferous Forest
- Non-Forest Stands**
 - 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
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 - 623 - Emergent Wetland
- Proposed SCA**
 - ▨ SCA - Special Conservation Area
- Special Conservation Areas**
 - Cold Water Streams
 - Deer Wintering Areas
 - Wildlife Management Areas

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



46°57'0"N

46°57'0"N

88°33'0"W

88°32'0"W

88°31'0"W

88°30'0"W

88°29'0"W

88°33'0"W

88°32'0"W

88°31'0"W

88°30'0"W

88°29'0"W

46°58'0"N

46°58'0"N

Baraga Mgt. Unit

Covertypes, Acres, and Age summary
(Level 3 Cover Type)

Compartment 061 Year of Entry 2010

Report Date: 08/04/2008



	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
Emergent Wetland	142.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	142.7
Herbaceous Openland	614.0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	614.0
Lowland Coniferous Forest	0	0	0	0	0	26.3	0	81.9	102.6	17.3	0	0	0	0	0	228.1
Lowland Deciduous Forest	0	19.8	0	0	0	0	0	0	33.0	0	0	0	0	0	107.5	160.3
Lowland Shrub	309.7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	309.7
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	334.9	334.9
Road/Parking Lot	10.6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10.6
Water	22.4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22.4
Total	1099.4	19.8	0	0	0	26.3	0	81.9	135.6	17.3	0	0	0	0	442.4	1822.7

**PROPOSED TREATMENTS
NO LIMITING FACTORS**



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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
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17 NF_11061017-Dike 94.9 Unspecified 0 Non-Forest Management Mowing Mixed Emergent Wetland
Maintenance

Rev
Cmnt: Bog mat in Unit 2 floats on top of any pumped water and prevents flooding of the interior of the impoundment (water visible to flying waterfowl).

Rev Annually mow road on dike top. Every 3 years, mow the remainder of the dike and land between the dike and ditch to control invading woody
Spec: vegetation. Manually cut larger trees, if necessary. Fill voids in dike caused by bank beavers, if necessary. Retain precipitation, but do not pump water into this unit.

Next
Steps:

22 NF_11061022-Dike 135.8 Unspecified 0 Non-Forest Management Mowing Wet Meadow
Maintenance

Rev
Cmnt: Bog mat floats on top of water pumped into this impoundment and makes it impossible to flood the interior of the impoundment with water visible to flying waterfowl.

Rev Annually mow road on dike top. Every 3 years, mow the remainder of the dike and land between the dike and ditch to control invading woody
Spec: vegetation. Manually cut larger trees, if necessary. Fill voids in dike caused by bank beavers, if necessary. Retain precipitation, but do not pump water into this unit.

Next
Steps:

25 NF_11061025-Flooding 82.5 Unspecified 0 Non-Forest Management Water Level Management Mixed Emergent Wetland

Rev
Cmnt:
Rev Increase water depth in Unit 4 to 12-18 in and pump, as needed, to maintain at this level.
Spec:

Next
Steps:

28 NF_11061028-Flooding 103.2 Unspecified 0 Non-Forest Management Water Level Management Mixed Emergent Wetland

Rev Drawdown Unit 5S to ditch-full level before conducting a prescribed burn.
Cmnt:
Rev Flood Unit 5S to a depth of 6-18-in for 2 years by pumping, as needed. Then increase water depth to 12-18 in.
Spec:
Next Reflood Unit 5S to a depth of 6-18 in for 2 years by pumping, after a controlled burn. Then increase water depth to 12-18 in.
Steps:

29 NF_11061029-Flooding 63.7 Unspecified 0 Non-Forest Management Water Level Management Mixed Emergent Wetland

Rev
Cmnt:
Rev After Hydro-mowing and discing in the interior of Unit 5 is finished, flood to a depth of 6-12 in by pumping water.
Spec:
Next Maintain a depth of 6-12 in for the next 2 years, then increase to 6-18 in.
Steps:

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**PROPOSED TREATMENTS
NO LIMITING FACTORS**



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective
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30 NF_11061030-Dike Maintenance	9.3	Unspecified		0	Non-Forest Management	Mowing	Mixed Emergent Wetland
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Rev
Cmnt:

Rev Annually mow road on dike top. Every 3 years, mow the remainder of the dike and land between the dike and ditch to control invading woody vegetation. Spec: Manually cut larger trees, if necessary. Fill voids in dike caused by bank beavers, if necessary.

Next
Steps:

32 NF_11061032-Flooding	118.4	Unspecified		0	Non-Forest Management	Water Level Management	Mixed Emergent Wetland
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Rev
Cmnt:

Rev Reflood Unit 6 to a depth of 6-18 in by mid September of the year in which discing or Hydro-mowing is completed.

Spec:

Next
Steps: Maintain 6-18-in water depth for 2 years by pumping, as needed. Then increase water depth to 12-18 in.

**Total Treatment
Acreage Proposed: 607.9**

**PROPOSED TREATMENTS
WITH LIMITING FACTORS**



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Treatment Name	Acres	Stage1 Cover Type	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Page 1 of 1
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Limiting Factor
and Comment:

Rev
Cmnt:

Rev
Spec:

Next
Steps:

No Treatment
Reason

**Total Treatment
Acreage Proposed: 0**



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.

Inventory Method: IFMAP

Stand	SCA Name	Acres	Comments
2	11061002	83.8	Wildlife movement corridor and biological diversity. no active management planned.
5	11061005	17.2	Riparian Corridor protection. No active management planned.
6	11061006	19.0	Riparian corridor protection. Wildlife movement corridor and biological diversity. no active management planned.
9	11061009	10.6	Riparian corridor protection. Wildlife movement corridor and biological diversity. no active management planned.
10	11061010	33.5	Riparian corridor protection. Wildlife movement corridor and biological diversity. no active management planned.
1	NF_11061001	3.5	Riparian Corridor protection. No active management planned.



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.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.