



**ROSCOMMON FOREST MANAGEMENT UNIT  
COMPARTMENT REVIEW PRESENTATION**

**COMPARTMENT # 161    ENTRY YEAR: 2004**

**Compartment Acreage: 1302      County: Roscommon**

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**Revision Date:** October 7, 2002 - updated February 5, 2008 for Red Pine Project – by D. Ekdrom

**Stand Examiner:** Glenn Taurence

**Legal Description:** T21N R03W Sections 19 & 30

**Management Goals:** The main goal of the Red Pine Project is to adjust and balance the red pine cover-type age class distribution on a statewide basis by harvesting red pine stands in the 40 – 80 year age classes and regenerating them to red pine or other appropriate species – D. Ekdrom 2/5/08. Maintain current age and species diversity in a range of early and late successional ecosystems.

**Soil and Topography:** Terrain in the compartment is level with some low areas and drainages. Soils include Grayling sand and Graycalm-Grayling Association on the upland areas and Rifle peat in the swamps and drainages.

**Ownership Patterns, Development, and Land Use in and Around the Compartment:** Compartment is 100% state land and also totally surrounded by state land.

**Unique, Natural Features:** None noted.

**Archeological, Historical, and Cultural Features:** None noted.

**Special Management Designations or Considerations:** Three stands are listed as potential old growth (SCA's) in the draft Old Growth/biodiversity Stewardship plan.

**Watershed and Fisheries Considerations:** Townline Creek flows through the compartment

**Wildlife Habitat Considerations:** Maintain ecosystem diversity in the compartment via habitat manipulation to benefit game species such as deer, grouse, rabbits, and turkeys as well as non-game species.

**Mineral Resource and Development Concerns and/or Restrictions:** Parts of the Muskegon Development Oil Field is located in this compartment with numerous well sites and related above and belowground flowlines.

**Vehicle Access:** Access is good year round via seasonal county roads which are plowed in the winter for access to the oil wells and good seasonally via forest two-track roads.

**Survey Needs:** None necessary at this time.

**Recreational Facilities and Opportunities:** Part of the Houghton Lake snowmobile trail and ORV trail is within the compartment.

**Fire Protection:** Compartment is mostly an oak/pine mix and there is a well developed wildland-urban interface due to the oil field infrastructure in the compartment.

**Additional Compartment Information:**

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
  - ◆ **Cover Type by Age Class**
  - ◆ **Cover Type by Management Objective**
  - ◆ **Compartment Volume Summary**
  - ◆ **Proposed Treatments – No Limiting Factors**
  - ◆ **Proposed Treatments – With Limiting Factors**
  
- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - ◆ **Base feature information, stand numbers, cover types**
  - ◆ **Proposed treatments**
  - ◆ **Proposed road access system**
  - ◆ **Suggested potential old growth**

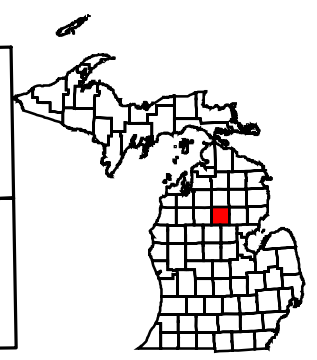
Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDf Status	
8	R8	54	67	60	red pine	immature	seed tree	1	natural regeneration		
comnts Fmd : STAND THINNED IN 1995 BY AJD LOGGING. SPECIES THINNED ONLY, NO MARKING. gt 9/02, STAND PROPOSED TO CUT FOR THE RED PINE PROJECT - PHASE II, & APPROVE AT 2010 C.R. THIS FALL, SEED TREE BY MARKING RED PINE TO LEAVE IN CLUMPS OF 3, LEAVE 3 - 5 CLUMPS PER ACRE, MANAGE FOR A MIXED PINE/H.W. STAND, ANY REGEN. COMBINATION OF PINE AND HARDWOODS TO A FULLY STOCKED STAND IS ACCEPTABLE, PLANT RED PINE IF REGENERATION FAILS											
34	R9	16	67	65	red pine	immature	seed tree	1	natural regeneration		
comnts Fmd : STAND THINNED OF OAK AND JACK PINE LAST ENTRY. CLEARCUT NEXT ENTRY. gt 9/02, STAND PROPOSED TO CUT FOR RED PINE PROJECT - PHASE I, SEED TREE MARKING RED PINE TO LEAVE IN CLUMPS OF 3 LEAVING 3-5 CLUMPS PER ACRE, MANAGE FOR A MIXED PINE/H.W. STAND, ANY REGEN. COMBINATION OF PINE/H.W'S TO A FULLY STOCKED STAND IS ACCEPTABLE, PLANT RED PINE IF REGENERATION FAILS											
46	R8	15	67	60	red pine	immature	seed tree	1	natural regeneration		
comnts Fmd : R7A4 TYPE; ASPEN UNDERSTORY 4" TO 5" DIAMETER WITH LARGE SCATTERED RED PINE SAWLOG TREES. CUT STAND IN ABOUT 20 YEARS; SITE LOOKS GOOD FOR RED PINE, HOWEVER TOO MUCH ASPEN PRESENT IN THE STAND TO FIGHT WITH TO RE-ESTABLISH RED PINE IN A PLANTATION SETTING. GO WITH ASPEN M.O WHEN SCHEDULED TO CUT IN FUTURE. ASPEN UNDERSTORY LOOKS AS IF IT IS ABOUT 20 TO 25 YEARS OLD. gt 9/02, STAND PROPOSED TO CUT FOR RED PINE PROJECT - PHASE I, SEED TREE BY MARKING RED PINE TO LEAVE IN CLUMPS OF 3 LEAVING 3-5 CLUMPS PER ACRE, MANAGE FOR A MIXED PINE/H.W. STAND, ANY REGEN COMBINATION OF PINE/H.W.'S TO A FULLY STOCKED STAND IS ACCEPTABLE, STAND WILL PROBABLY CONVERT TO ASPEN, APPROVED AT C.R. ON 3/28/08 TO LEAVE ALL ASPEN TO LIMIT SUCKERING COMPETITION											
47	R8	4	67	60	red pine	immature	seed tree	1	natural regeneration		
comnts Fmd : MODERATE TO POORLY STOCKED STAND OF RED PINE SAWLOGS; JACK PINE AND PIN OAK SAWLOGS SCATTERED; CUT AT SOME FUTURE ENTRY WITH STAND 46; QUALITY RED PINE LOGS NOT AT ISSUE HERE. gt 9/2002, STAND PROPOSED TO CUT FOR RED PINE PROJECT - PHASE I, SEED TREE MARKING RED PINE TO LEAVE IN CLUMPS OF 3, LEAVE 3-5 CLUMPS PER ACRE, MANAGE FOR A MIXED STAND OF PINE/H.W.'S, ANY REGENERATION COMBINATION OF PINE/HARDWOODS TO A FULLY STOCKED STAND IS ACCEPTABLE, PLANT RED PINE IF REGENERATION FAILS											
<b>Total Acres.....</b>		<b>89</b>									



# Cover Type & Treatment Map

Compartment 161  
 T21N, R03W, Sec. 19, 30  
 County: Roscommon  
 Unit: Roscommon  
 YOY: 2004  
 Acres: 1,302 GIS Calculated  
 Stand Examiner: Dale Ekdom  
 Map Revised: 8/05/2008  
 Map Phase: Pre-Review

19

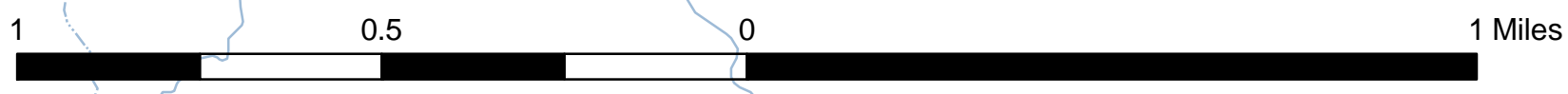
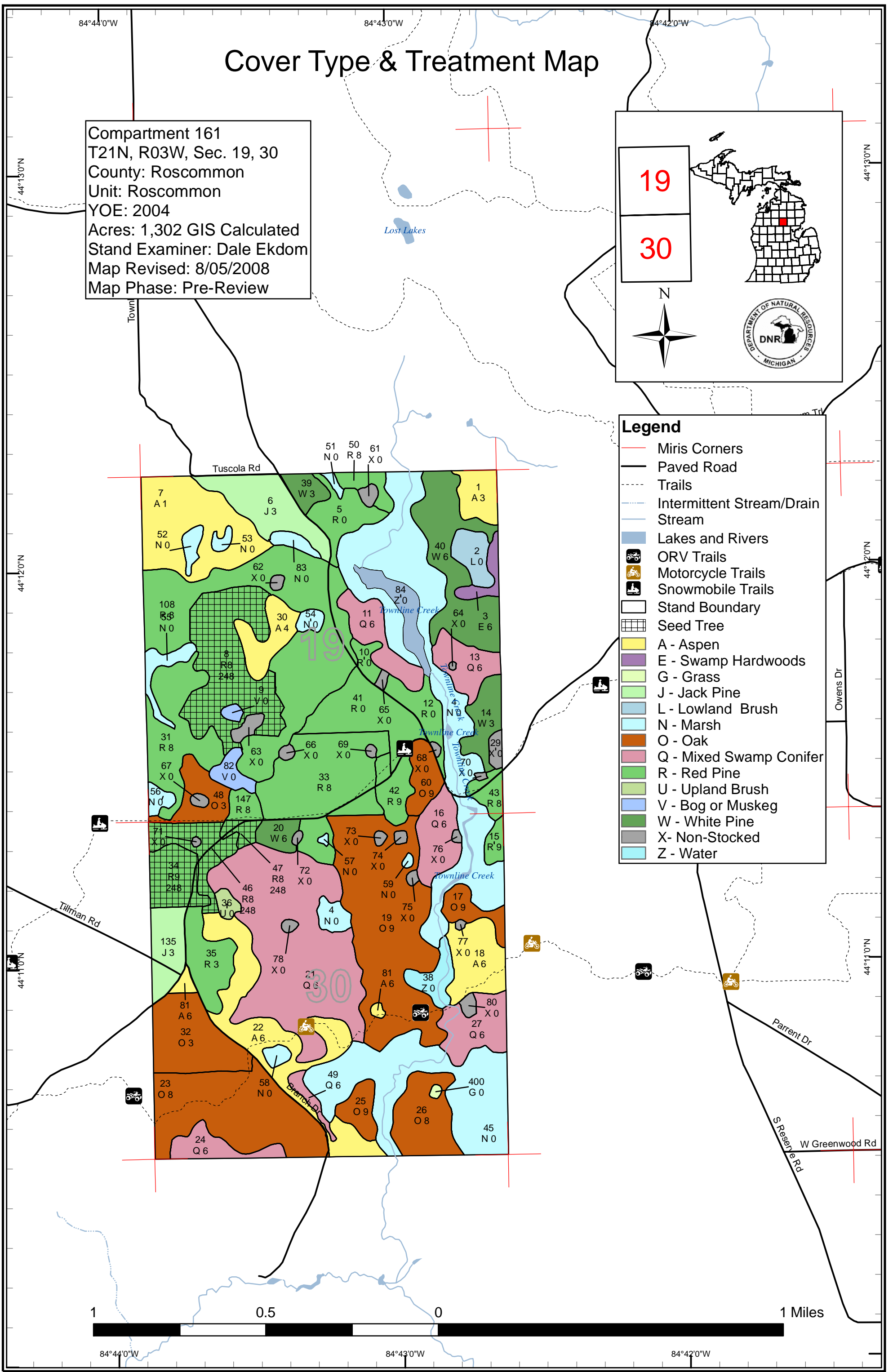
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## Legend

- Miris Corners
- Paved Road
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- ORV Trails
- Motorcycle Trails
- Snowmobile Trails
- Stand Boundary
- Seed Tree
- A - Aspen
- E - Swamp Hardwoods
- G - Grass
- J - Jack Pine
- L - Lowland Brush
- N - Marsh
- O - Oak
- Q - Mixed Swamp Conifer
- R - Red Pine
- U - Upland Brush
- V - Bog or Muskeg
- W - White Pine
- X - Non-Stocked
- Z - Water



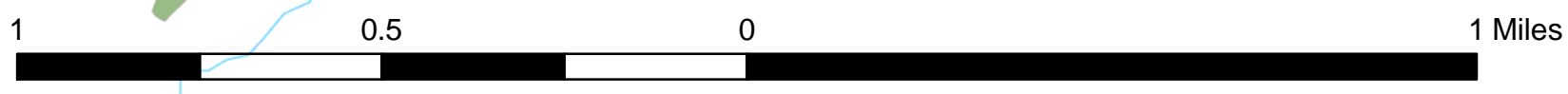
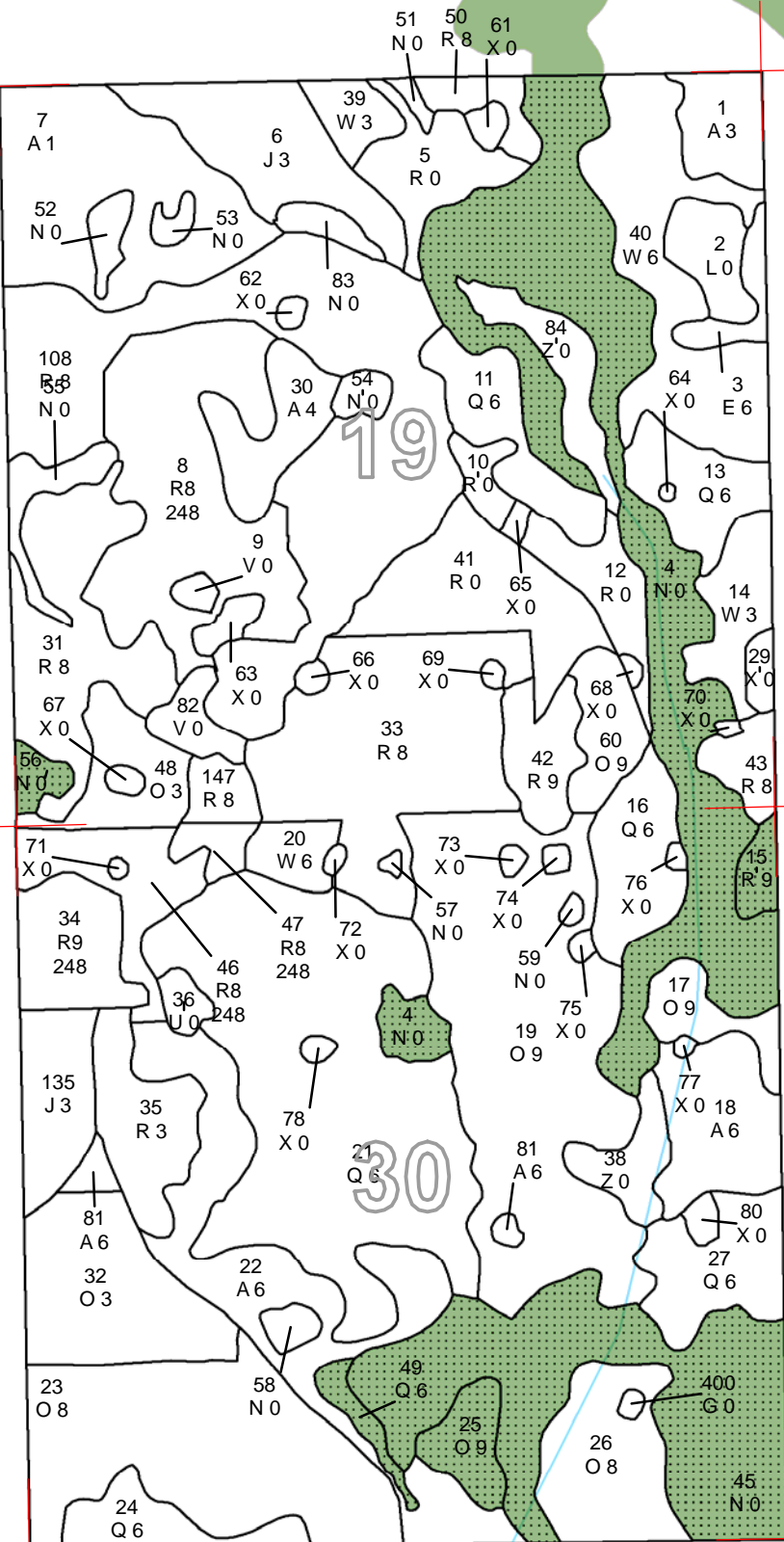


# Dedicated & Proposed Special Conservation Area Map

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 T21N, R03W, Sec. 19, 30  
 County: Roscommon  
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**Legend**

- Miris Corners
- Stand Boundary
- Cold Water Streams
- Special Conservation Areas
- Potential Old Growth Stands



84°44'0"W      84°43'0"W      84°42'0"W

44°13'0"N  
44°12'0"N  
44°11'0"N  
44°10'0"N

44°13'0"N  
44°12'0"N  
44°11'0"N  
44°10'0"N



**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	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.