



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42052

Entry Year 2018

Acreage: 45

County Luce

Management Area: Whitefish Vermillion Point

Revision Date: 2016-08-30

Stand Examiner: Amy Douglass

Legal Description:

T49N R07W Section 5; Chippewa County

T49N R08W Section 1; Luce County

Identified Planning Goals:

Much of the state land within the compartment was transferred to the Tahquamenon Falls State Park and is now under their management. The remaining parcels of state land are isolated, do not block in well with any other state ownership, and are good candidates for selling as surplus lands.

Soil and topography:

The compartment topography is level to rolling, dominated by Paquin Sand, Deer Park fine sand and Spot-Finch complex, with small parts of Wallace sand and Finch sand.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Tahquamenon Falls State Park took over management of some of the lands that had previously been within this compartment in an attempt to consolidate their boundary - using Betsy Tower Road as the north boundary. These two parcels were left out since they were north of the Betsy Tower Road. Both parcels have private lands surrounding their boundary, except along the south, which is State Park land.

Unique Natural Features:

None noted. There is potential for a variety of threatened and endangered plants and animal species.

Archeological, Historical, and Cultural Features:

None noted.

Special Management Designations or Considerations:

These two parcels are good candidates for selling as surplus lands.

Watershed and Fisheries Considerations:

Fisheries Values: Good

Fisheries Concerns: The east section of this compartment lies adjacent to the Betsy River which is a designated trout stream in this reach. Being a designated trout stream, the Betsy River is assigned a high priority trout stream buffer at 300 feet. This section already has site conditions identified so any treatments of these stands are unlikely. The unnamed tributary running through the west section of this compartment is not a designated trout stream. Standard BMP's should be applied to any treatments in this section. The west section also has site conditions identified so any treatments of these stands are unlikely.

Wildlife Habitat Considerations:

Compartment 52 lies in the far northern portion of Chippewa county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment lies in the Whitefish Vermillion Point Management Area and moose, red crossbill, spruce grouse and piping plover are featured species. The compartment lies along the Tahquamenon Falls State Park border and is very small in size.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine sand and gravel and an end moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickness (>50 feet). The Precambrian Jacobsville Sandstone subcrops below the glacial drift. The Jacobsville was used as a building stone in the past. No active or former sand/gravel pits are located in the area, but there could be some sand potential on the uplands. There is no economic oil and gas production in the UP and there is no known metallic mineral potential in this area.

Vehicle Access:

The compartment lies approximately 26 miles northeast of Newberry. Access can be gained via the Betsy River-East

Tower Road.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

These two parcels are adjacent to Tahquamenon Falls State Park.

Fire Protection:

Area will be considered under the Tahquamenon Falls State Park Suppression Plan. Upland areas are generally hardwoods and lowland areas are swamp conifer types. Fires should remain small and slow moving except in conditions of considerable drought.

Additional Compartment Information:

May need to research the Betsy Lake Natural Area boundary layer. It should not encompass either of these parcels.

The following reports from the Inventory are attached:

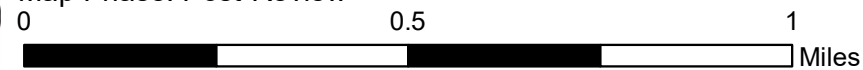
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

The following information is displayed, where pertinent, on the attached compartment maps:

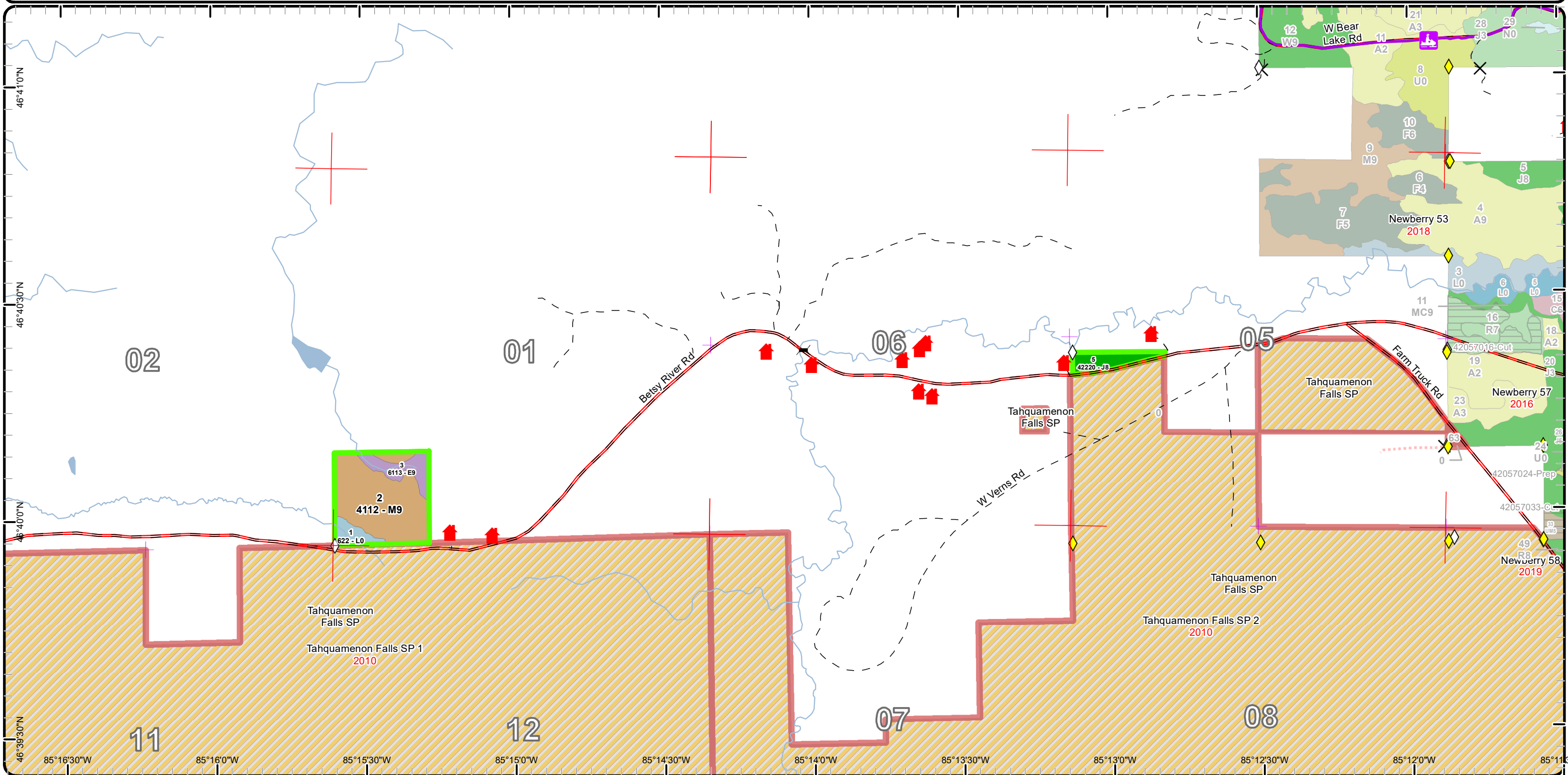
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 52
 T49N R08W Sec. 01
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion
 Point
 YOE: 2018
 Acres: 45 GIS Calculated
 Examiner: Amy Douglass
 Map Revised: 10/27/2016
 Map Phase: Post-Review

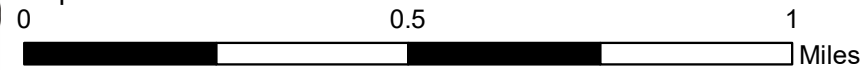
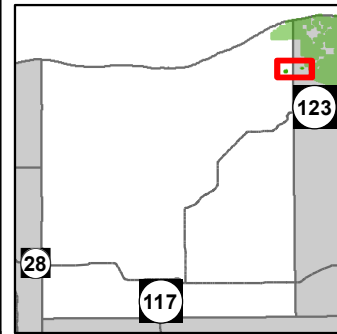


- Miris Corners
- + Remonumented Section Corners
- ◆ Survey Grade GPS Corners
- ◇ Field Grade GPS Corners
- X Gate
- Bridges
- Cabin
- ⬇ Snowmobile Trails
- Designated Snowmobile Trails
- County Gravel Roads
- - Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- 411 - Northern Hardwood
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 622 - Lowland Shrub
- Lakes

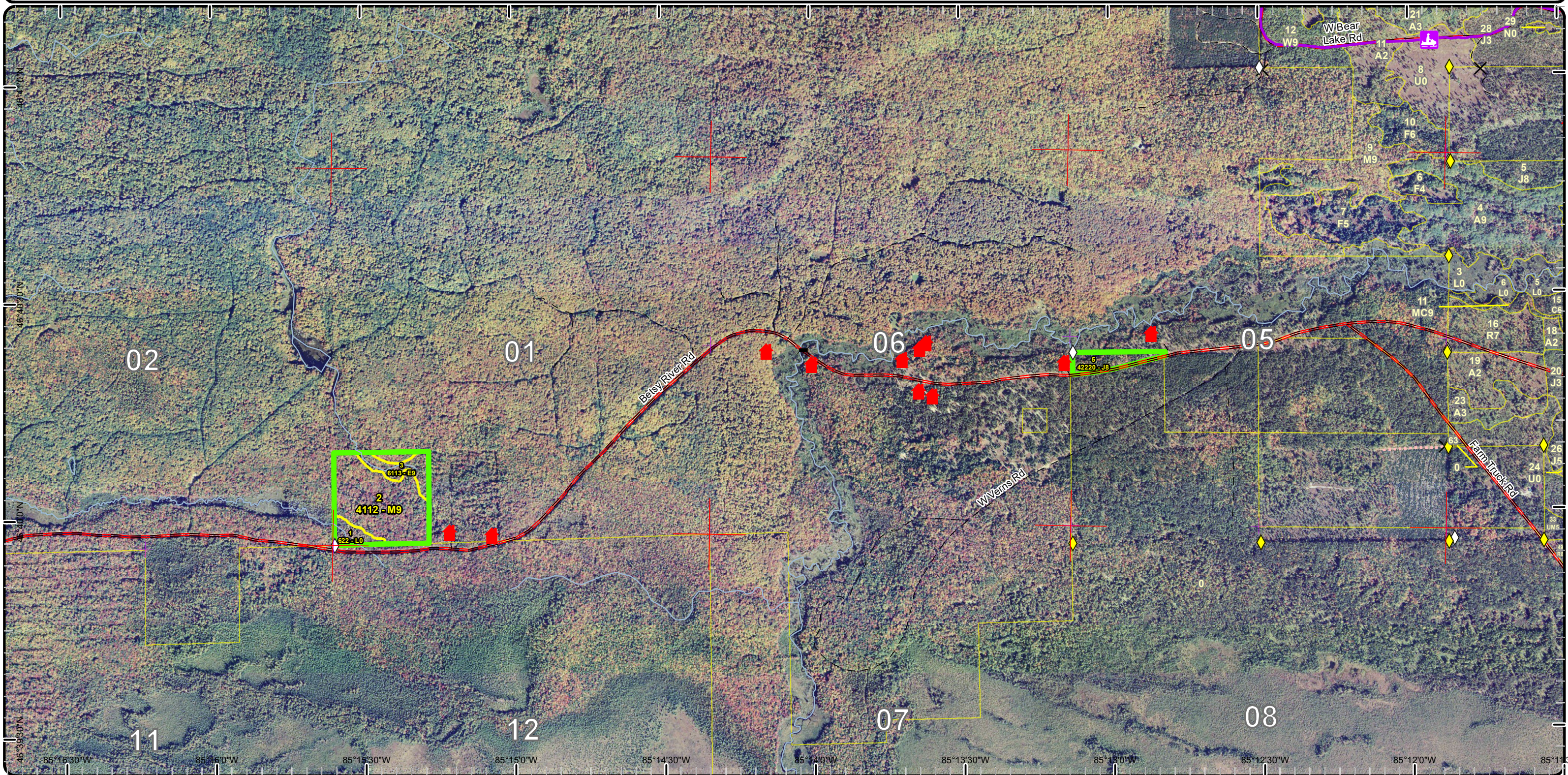


Stand Boundary Map

Compartment: 52
 T49N R08W Sec. 01
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2018
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 Examiner: Amy Douglass
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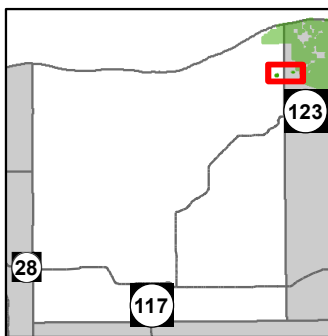
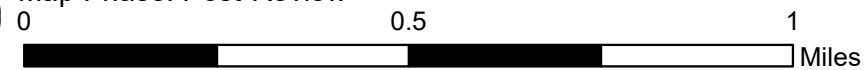


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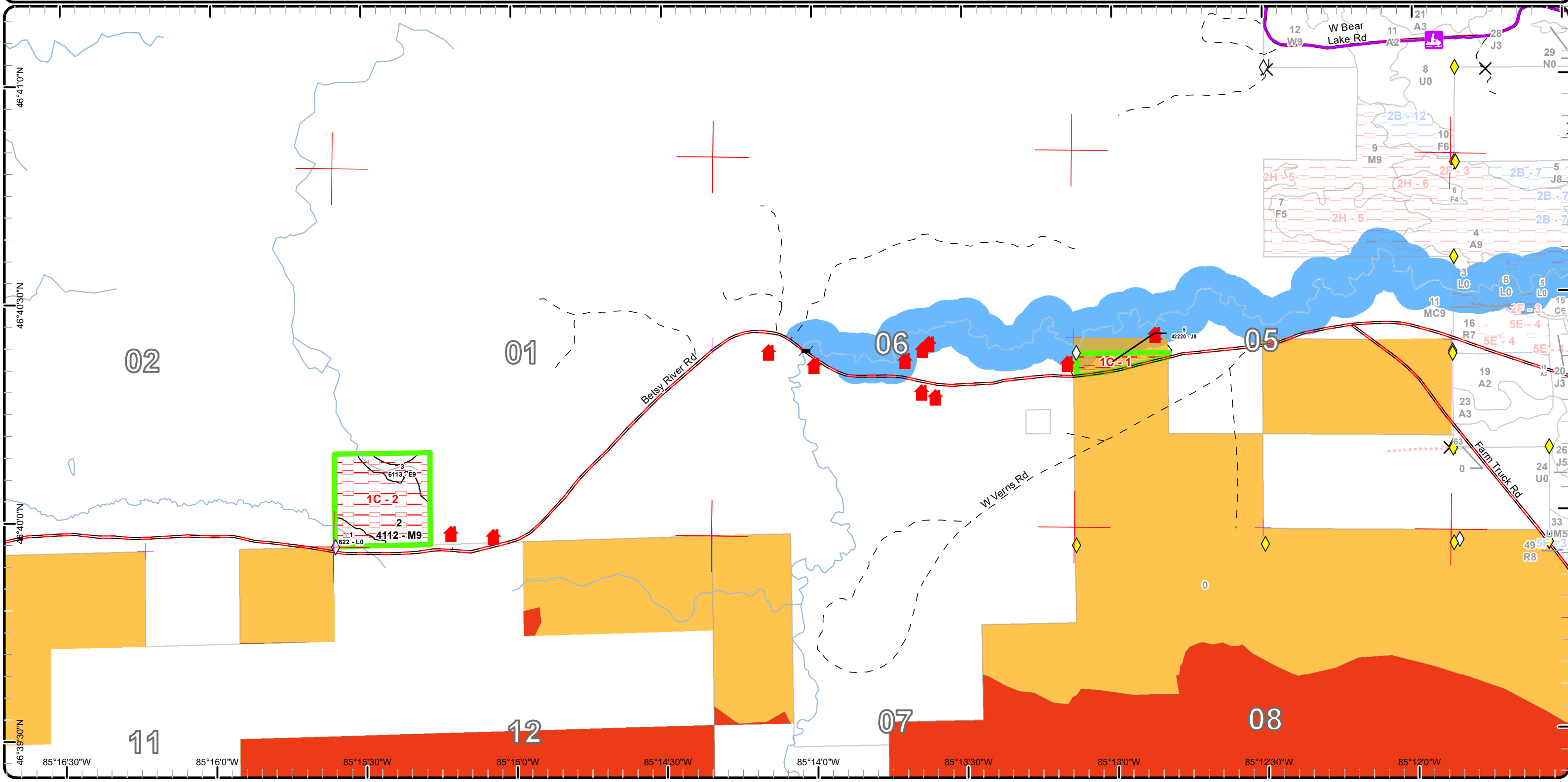


Special Conservation Areas & Site Conditions Map

Compartment: 52
 T49N R08W Sec. 01
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2018
 Acres: 45 GIS Calculated
 Examiner: Amy Douglass
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- Bridges
- 🏠 Cabin
- 🚙 Snowmobile Trails
- Designated Snowmobile Trails
- County Gravel Roads
- - Poor Dirt Roads
- - - Closed Roads
- Rivers
- Compartment Boundary
- Unavailable
- 1C: Other dept or div proc/practices
- Stand Boundaries
- Ecological Reference Areas
- Cold Water Streams
- Non-Dedicated Natural Areas and National Natural Landmarks
- High Priority Trout Stream Buffer



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Jack Pine	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	6
Lowland Deciduous	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	6
Lowland Shrub	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	29
Total	4	0	0	0	0	0	0	6	0	6	0	0	0	0	0	0	0	29	45



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2018

Compartment 52
Total Compartment Acres: 45

Acres of Harvest

Commercial Harvest -
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 0



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
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#Type!

Habitat Cut:

Site Condition:

Prescription
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date:

**Total Treatment
Acreage Proposed: 0.0**

Report 4 – Site Conditions

Newberry Mgt. Unit
Amy Douglass : Examiner

Compartment: 52
Year of Entry: 2018

Availability for Management

Total	Acres	Acres Avail	Acres
Acres	Available	With Condition	Not Available

Dominant Site Conditions

1C

6	0	0	6	Jack Pine	6
6	0	0	6	Lowland Deciduous	6
4	0	0	4	Lowland Shrub	4
29	0	0	29	Northern Hardwood	29
45	0		45	Total Forested Acres	45
	0%		100%	Relative Percent	

**Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond	Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable		1C: Other dept or div proc/practices	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Recommended as excess property for disposal. PRD did not want when consolidating their boundary in 2005.								
2	Unavailable		1C: Other dept or div proc/practices	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Recommended as excess property for disposal. PRD did not want when consolidating their boundary in 2005.								

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – 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.

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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	Non-Dedicated Natural Areas and National Natural Landmarks	This category is comprised of those Natural, Wilderness and Wild Areas that have been nominated or proposed for legal dedication, but for which legal dedication by legislature has not occurred. The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.
HCVA	Legally dedicated Natural Areas, Wilderness or Wild Areas	The nomination process is defined by Part 351, Wilderness and Natural Areas, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the DNR. Nominations require the submittal of a Natural Areas Nomination Packet to the DNR. This is an active program, with proposed sites in various stages of review. Final dedication of nominated Natural, Wilderness and Wild Areas is accomplished through legislative action.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	29.3	89	111-140	Occasional yellow birch and white pine. Large logs interspersed with poles and large saplings. Single stem maple. Some beech has died but some still hanging on. Small knobs/ridges within stand. Stand is split by small stream. Sliver of State Park land between southern boundary and road.
3	6113 - Lowland Maple	Sawtimber Well	6.0	89	81-110	Similar to adjacent hardwood stand, but on lower ground along creek with seeps and wet areas. Heavier to balsam but still with a maple overstory. More yellow birch and ash, less hemlock.
5	42220 - Natural Jack Pine	Sawtimber Medium	6.0	64	Unspecified	Stand lies north of Betsy River Road. South of Betsy River Road is State Park land. Upland jack pine with spruce and small amounts of balsam, white birch and red maple. NW corner of stand lies over a bluff leading to the Betsy River.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	622 - Lowland Shrub	3.8	No	Low tag alder stand with scattered trees within. Feeder creek flowing through stand. Registered corner in SW corner. Sliver of State Park land between southern boundary of stand and road.