



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42051

Entry Year 2020

Acreage: 2,735

County Luce

Management Area: Whitefish Vermillion Point

Revision Date: 2018-08-17

Stand Examiner: Jason Tokar

Legal Description:

T50N R8W Sections 1, 9-12, 15, 16 and 22

T50N R7W Sections 5, 6, 7 & 8

Identified Planning Goals:

Timber management, wildlife habitat, and recreation are the main uses of the compartment. The overriding goal is to maintain or improve the forest health, productivity and diversity of the area to promote and enhance these uses.

Treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat. Protection of the natural communities associated with the sensitive dune systems and the Lake Superior shoreline is also an essential goal within the compartment.

Soil and topography:

The compartment is almost entirely upland soils and cover types. Soils consist primarily of Rubicon and Deer Park sands as well as areas of Wallace sand and Paquin-Finch sands. The major cover types associated with these soils are jack pine, red pine, white birch, upland spruce/fir, upland mixed deciduous, upland mixed conifer and northern hardwoods (maple-beech-hemlock). Much of the topography throughout the compartment is rolling to steep and a portion of the compartment has been identified as a Critical Dune Area. The areas near the shoreline consist of Lake Superior recessional beaches/shorelines. These are sensitive sandy soils on steep slopes and should be protected.

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

The compartment is a contiguous block of State land with the exception of one privately owned parcel in Section 16, a few small private inholdings on Browns Lake, and the private parcels adjacent to Crisp Point Lighthouse. The compartment is bordered by State land to the west. To the east are multiple private land parcels, and to the south is Hancock Investment lands. Development around the area is low. Land Use consists of primarily tourism associated with the lighthouse as well as general recreation of hunting, fishing, snowmobiling, sightseeing and berry picking.

Unique Natural Features:

MNFI lists occurrences associated with the shoreline within the compartment. Piping Plover, Lake Huron tansy, and Lake Huron Locust are among the documented occurrences.

MNFI also lists the potential for Lake Huron locust and piping plover along shoreline. Potential for eagle, osprey, merlin, great blue heron rookery, black-backed woodpecker, spruce grouse, and goshawk. Potential for moose and wolf. Potential for Lake Huron tansy, black crowberry, American dune wild-rye, stitchwort, American shore-grass, Douglas's hawthorn, and satiny willow along lakeshore. Potential for climbing fumitory, pine-drops, and false violet in pines. Canada rice-grass possible in jack pine openings.

Archeological, Historical, and Cultural Features:

The Bureau of History does not list any historical features within the compartment.

Local history dictates that there is an old Coast Guard building along the shore in Section 16. This building was supposedly used for over night lodging when Coast Guard personnel were doing on-shore patrolling. Also mentioned is history of a "ballfield" to the south and east of the Crisp Point Lighthouse property.

Special Management Designations or Considerations:

The compartment includes a number of special management area designations, associated with the Lake Superior shoreline and adjacent areas. A Natural Area (L. Superior beach area), a Special Conservation Area (SCA - Critical Dunes) and a High Conservation Value Area (HCVA - Piping Plover Habitat). A proposed natural area (Crisp Point/Browns Lake Proposed Natural Area extending from Three Mile Creek to the eastern compartment boundary, following the Lake Superior Shoreline had been recommended. All management within the compartment will follow all guidelines associated with those designations.

Watershed and Fisheries Considerations:

Fisheries Values: Moderate

Three Mile Creek is a designated trout stream and located along the southern edge of the compartment. Little else of fishery value is present, and Fisheries Division does not actively manage this small trout creek. Browns Lake is subject to frequent winter-kills due to shallow conditions so no viable sports fishery is present. Treatments should use standard BMP's near surface water with consideration of a 300 foot buffer along Three Mile Creek where appropriate (any aspen stand clear-cuts).

Wildlife Habitat Considerations:

Compartment 51 lies in northeastern Luce county in the Grand Marais Sandy End Moraine and Outwash ecological sub-section and in the Whitefish-Vermillion Management Area. Featured species of the management area include moose, spruce grouse, red crossbill, and piping plover. Critical dunes, plover habitat and biodiversity stewardship areas cover a fair bit of the northern part of the compartment which borders the Lake Superior shoreline. The compartment is a mix of northern hardwood and various conifer stands. Stands tend to contain a large array of species and size classes that add to overall diversity of the compartment.

Harvested hardwood stands will strive to maintain maximum species diversity by leaving a component of most species present. A white pine component will be retained to provide vertical structure, refuge trees, and future snags in red pine harvests. Wildlife species likely to use this compartment include white tailed deer, moose, black bear, fisher, marten, spruce grouse, and snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions

Sections 5-8, T50N-R7W and sections 1, 9-12, 15-16, & 22, T50N-R8W, Luce County

Active sand/gravel pits are not located in the area, but there may be some sand potential within the compartment.

Relatively little information is available about the surficial geology within the compartment. There is no known metallic mineral potential in this area, and there is no potential for economical production oil and gas in the UP. The state does not own the mineral rights beneath some of the compartment. Private mineral rights owners must be allowed reasonable access to the land should they choose to explore and/or develop the minerals.

Vehicle Access:

The compartment is located north of Newberry along the southern shoreline of Lake Superior, a few miles west of Little Lake Harbor. County Road 412 provides the main access to the area, transecting the western portion of the compartment. A network of two track roads provides additional access to the compartment.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Summer recreation is primarily linked to the Crisp Point Lighthouse, as well as berry picking. The Pine Stump Snowmobile Trail provides winter recreation. Recreational opportunities include hunting, fishing, wildlife/nature viewing, hiking, berry picking, snowmobiling.

Fire Protection:

The compartment is within the Two Hearted Zone Dispatch Area Plan. Moderate fire runs could occur in the west side of the compartment where blocks of Pine types occur, which could put private property at risk. Access for heavy equipment is fair for suppression activities.

Additional Compartment Information:

The compartment was expanded this year of entry to include the portion of Comp 137 north of the "bluff" to the eastern compartment boundary.

The Crisp Point/Browns Lake Proposed Natural Area is recommended for expansion to include stands in the Critical Dunes designation as well as stand adjacent to Lake Superior, as far west as Three Mile Creek at the compartment boundary.

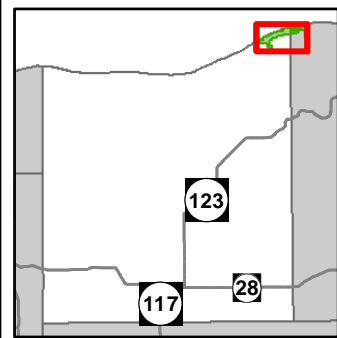
The following reports from the Inventory are attached:

- 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:

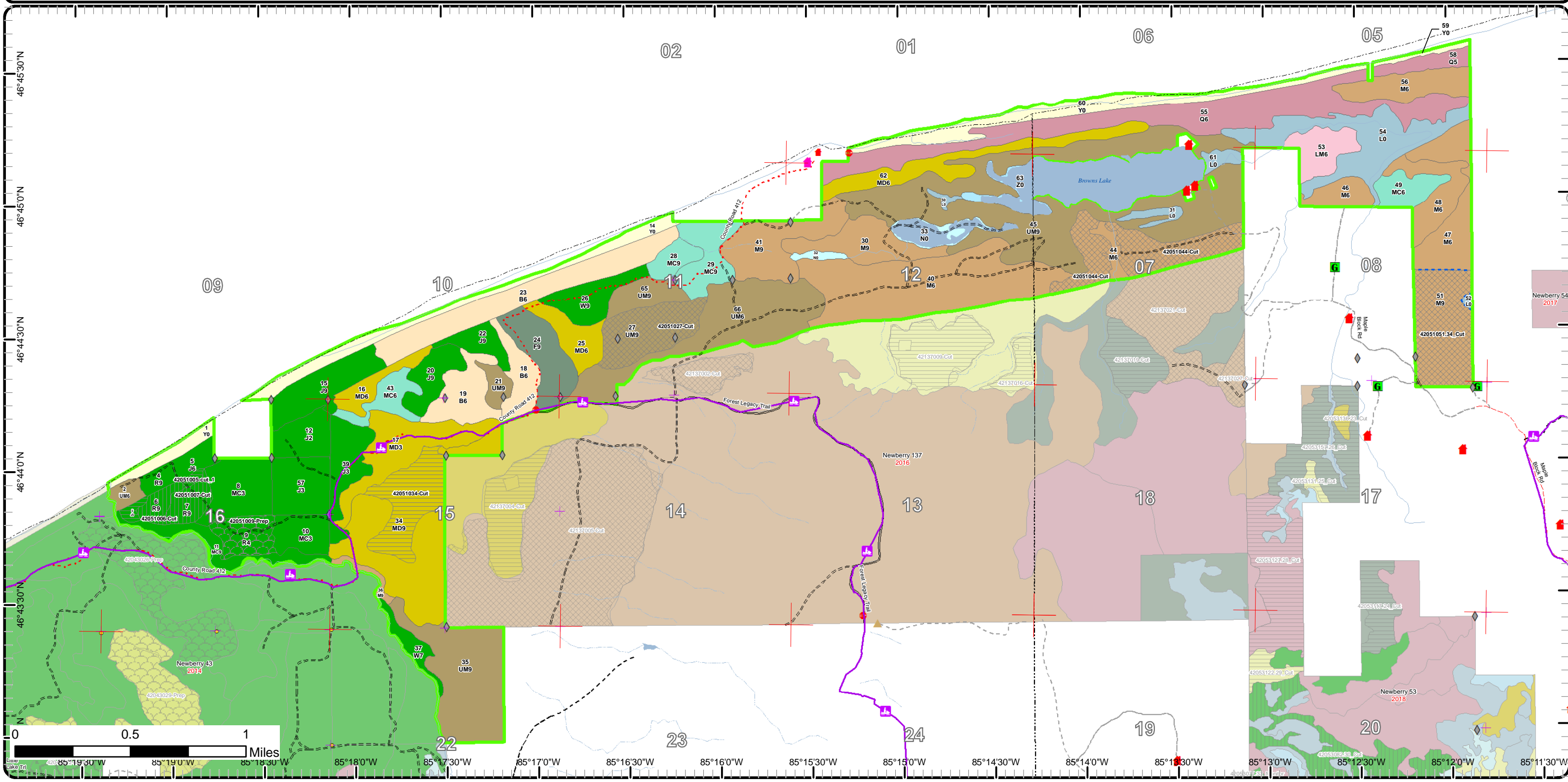
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map



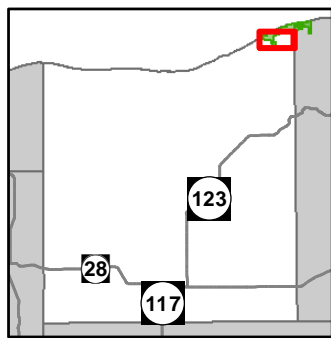
Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review

- | | | | |
|--|-----------------------------------|-----------------------------------|--------------------------|
| — Miris Corners | ▲ Cabin | ☒ Selection (Group, Single Tree) | ■ 623 - Emergent Wetland |
| ⊕ Remonumented Section Corners | ▲ Structure, Seasonal Dwelling | ▨ Clearcut (w/Reserves) | ■ 710 - Sand/Soil |
| ● Survey Grade Corners | ▲ Berms | ▨ Shelter Wood (w/Reserves) | ■ Lakes |
| ◆ Field Grade Corners | ▲ Gate | ▨ Site Prep | |
| — Counties | ▲ G | ■ 411 - Northern Hardwood | |
| — DNR - Secondary Forest Road | ▲ Sign | ■ 414 - Other Upland Deciduous | |
| — DNR - Forest Access Route | ▲ Structures | ■ 419 - Mixed Upland Deciduous | |
| — Federal / State - Dirt / Gravel Road | — Intermittent Stream | ■ 422 - Natural Pines | |
| — County - Gravel Road | — Island in Lake or River | ■ 423 - Other Upland Conifers | |
| — County - Dirt Road (Seasonal) | — Lake/Pond | ■ 429 - Mixed Upland Conifers | |
| — Private - Dirt / Gravel Road | — Perennial River | ■ 430 - Upland Mixed Forest | |
| ▲ Snowmobile Trails | — Shoreline | ■ 612 - Lowland Coniferous Forest | |
| — Designated Snowmobile Trails | — Lakes and Rivers All | ■ 613 - Lowland Mixed Forest | |
| | — Compartment Boundary | ■ 500 - Water | |
| | — Treatments with Site Conditions | ■ 622 - Lowland Shrub | |

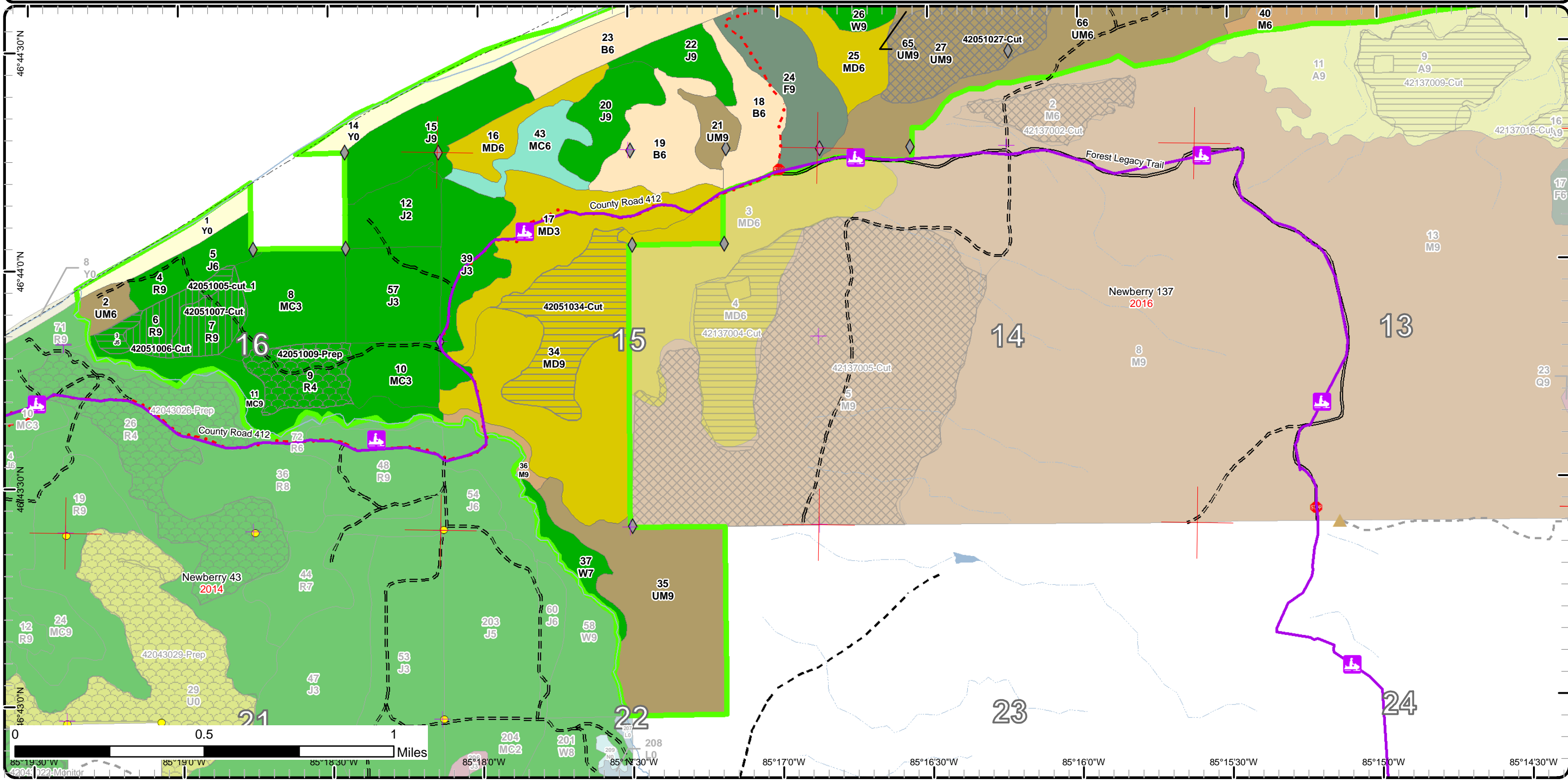


Cover Type & Treatments Map

Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review

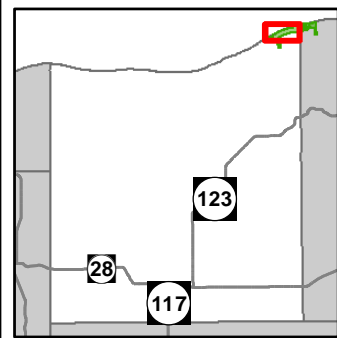


- | | | |
|--|--|--|
| <ul style="list-style-type: none"> — Miris Corners ✦ Remonumented Section Corners ● Survey Grade Corners ◆ Field Grade Corners --- Counties == DNR - Secondary Forest Road == DNR - Forest Access Route - - - Federal / State - Dirt / Gravel Road - . - . County - Gravel Road - - - Private - Dirt / Gravel Road 🛷 Snowmobile Trails 🛷 Designated Snowmobile Trails ▲ Berms 🛑 Sign | <ul style="list-style-type: none"> --- Intermittent Stream --- Lake/Pond --- Perennial River --- Shoreline --- Lakes and Rivers All --- Compartment Boundary --- Selection (Group, Single Tree) --- Clearcut (w/Reserves) --- Shelter Wood (w/Reserves) --- Site Prep --- 411 - Northern Hardwood --- 414 - Other Upland Deciduous --- 419 - Mixed Upland Deciduous --- 422 - Natural Pines --- 423 - Other Upland Conifers | <ul style="list-style-type: none"> 429 - Mixed Upland Conifers 430 - Upland Mixed Forest 710 - Sand/Soil Lakes |
|--|--|--|

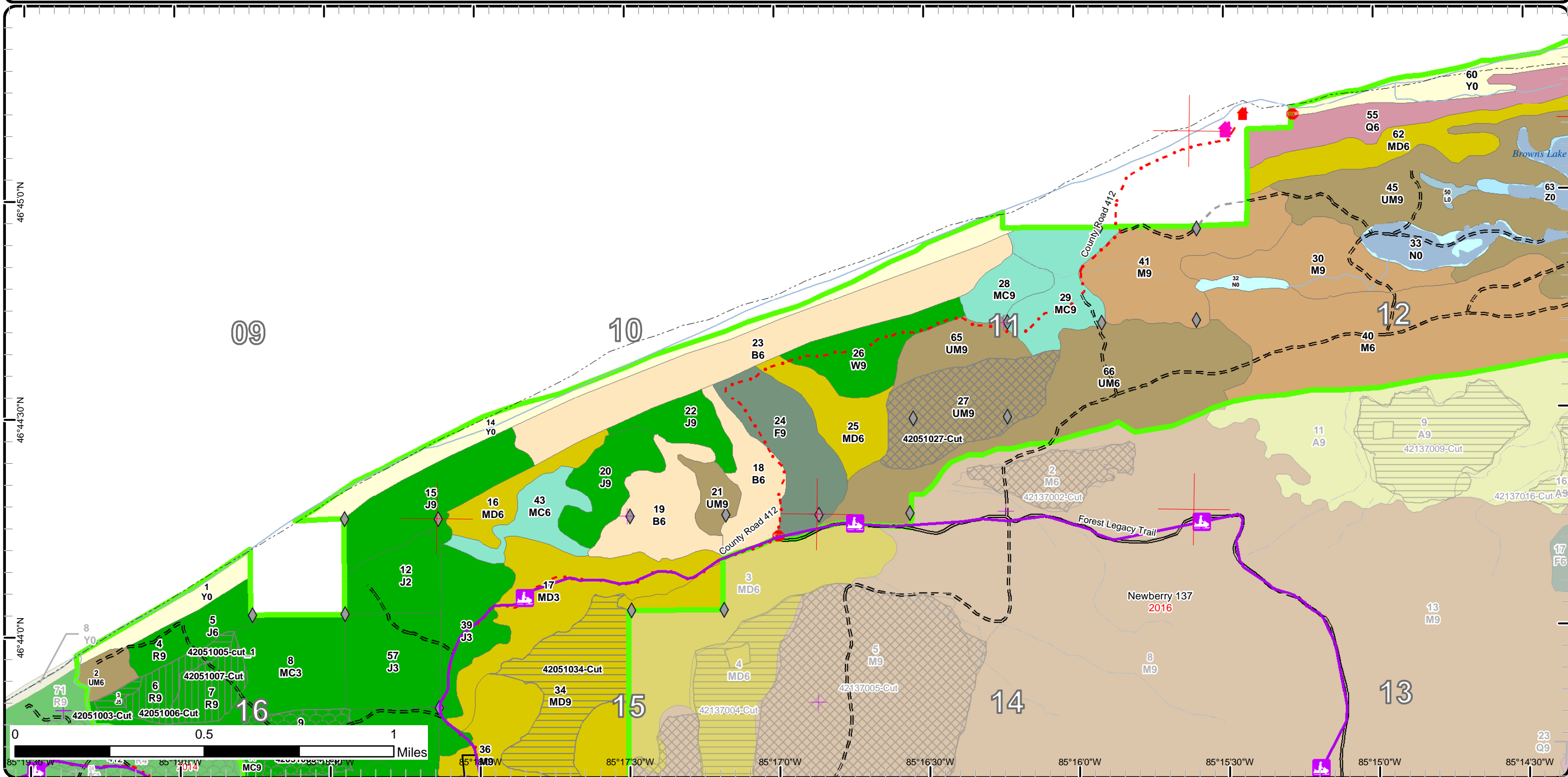


Cover Type & Treatments Map

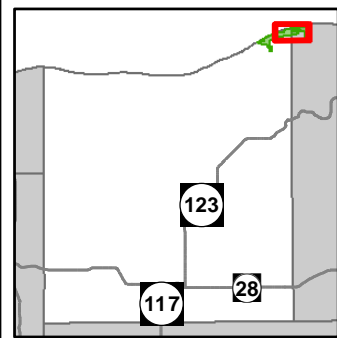
Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review



- | | | |
|----------------------------------|----------------------------------|-----------------------------------|
| — Miris Corners | — Intermittent Stream | ■ 423 - Other Upland Conifers |
| ⊕ Remonumented Section Corners | — Island in Lake or River | ■ 429 - Mixed Upland Conifers |
| ◆ Field Grade Corners | — Lake/Pond | ■ 430 - Upland Mixed Forest |
| ⊠ Counties | — Perennial River | ■ 612 - Lowland Coniferous Forest |
| == DNR - Secondary Forest Road | — Shoreline | ■ 500 - Water |
| == DNR - Forest Access Route | — Lakes and Rivers All | ■ 622 - Lowland Shrub |
| -.- County - Gravel Road | ▭ Compartment Boundary | ■ 623 - Emergent Wetland |
| - - Private - Dirt / Gravel Road | ⊠ Selection (Group, Single Tree) | ■ 710 - Sand/Soil |
| 🚙 Snowmobile Trails | ▭ Clearcut (w/Reserves) | ■ Lakes |
| 🚙 Designated Snowmobile Trails | ▭ Shelter Wood (w/Reserves) | |
| 🏠 Structure, Seasonal Dwelling | ▭ Site Prep | |
| 🛑 Sign | ■ 411 - Northern Hardwood | |
| 🏠 Structures | ■ 414 - Other Upland Deciduous | |
| | ■ 419 - Mixed Upland Deciduous | |
| | ■ 422 - Natural Pines | |

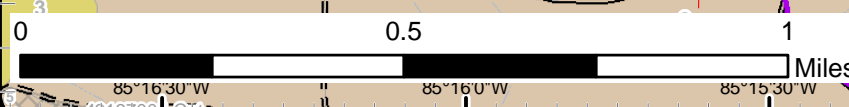
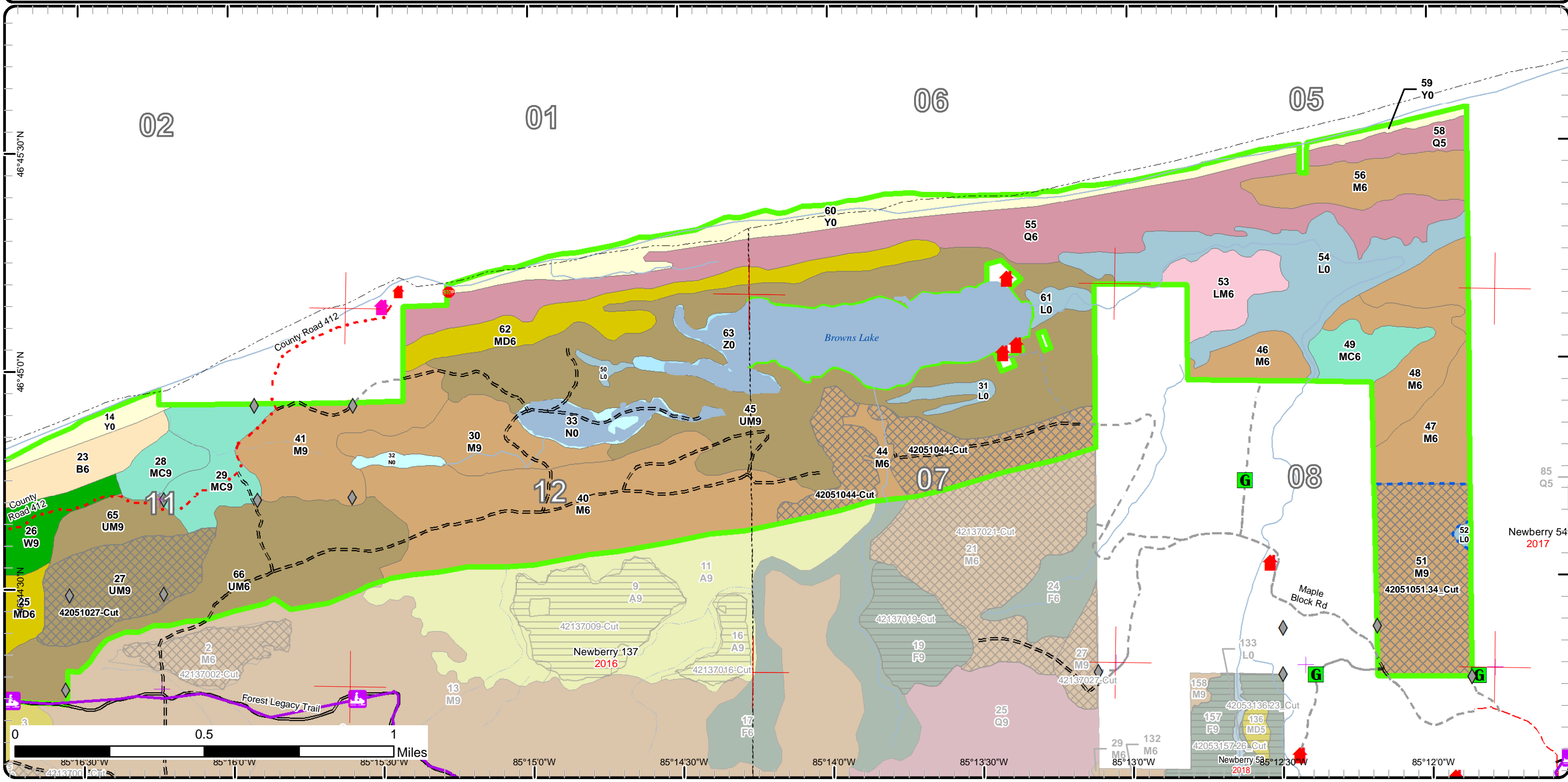


Cover Type & Treatments Map



Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review

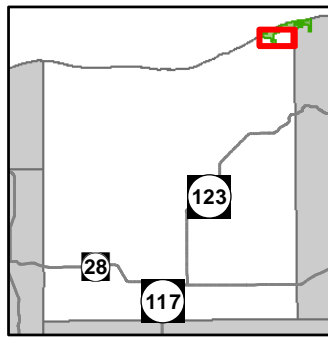
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Cabin
- ▲ Structure, Seasonal Dwelling
- G Gate
- STOP Sign
- ▲ Structures
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- 411 - Northern Hardwood
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil
- Lakes



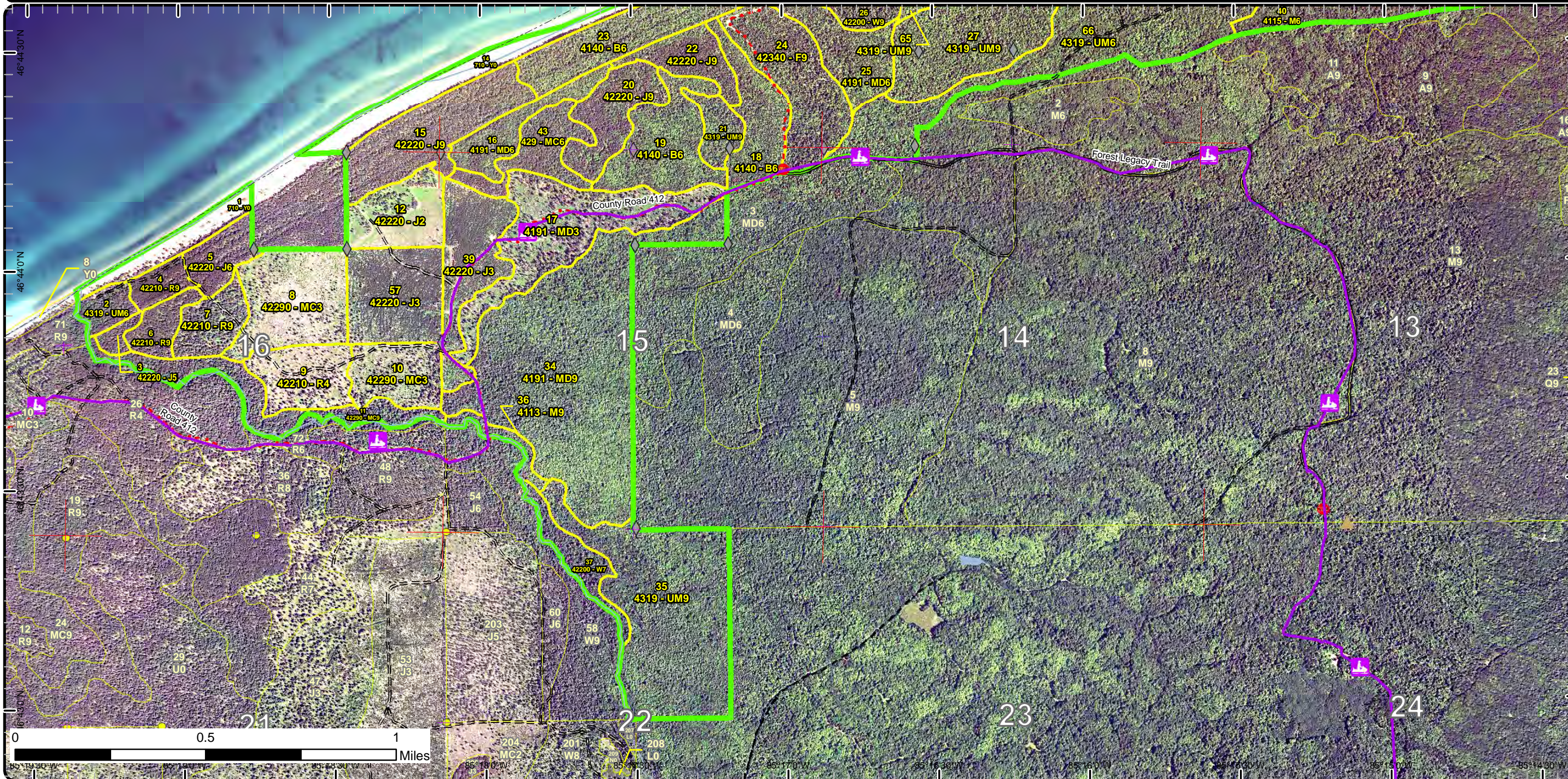
85°16'30"W 85°16'0"W 85°15'30"W 85°15'0"W 85°14'30"W 85°14'0"W 85°13'30"W 85°13'0"W 85°12'0"W
 46°45'30"N 46°45'0"N 46°44'30"N 46°44'0"N

Stand Boundary Map

Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review

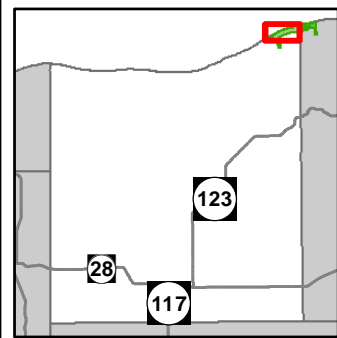


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Berms
- Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 710 - Sand/Soil

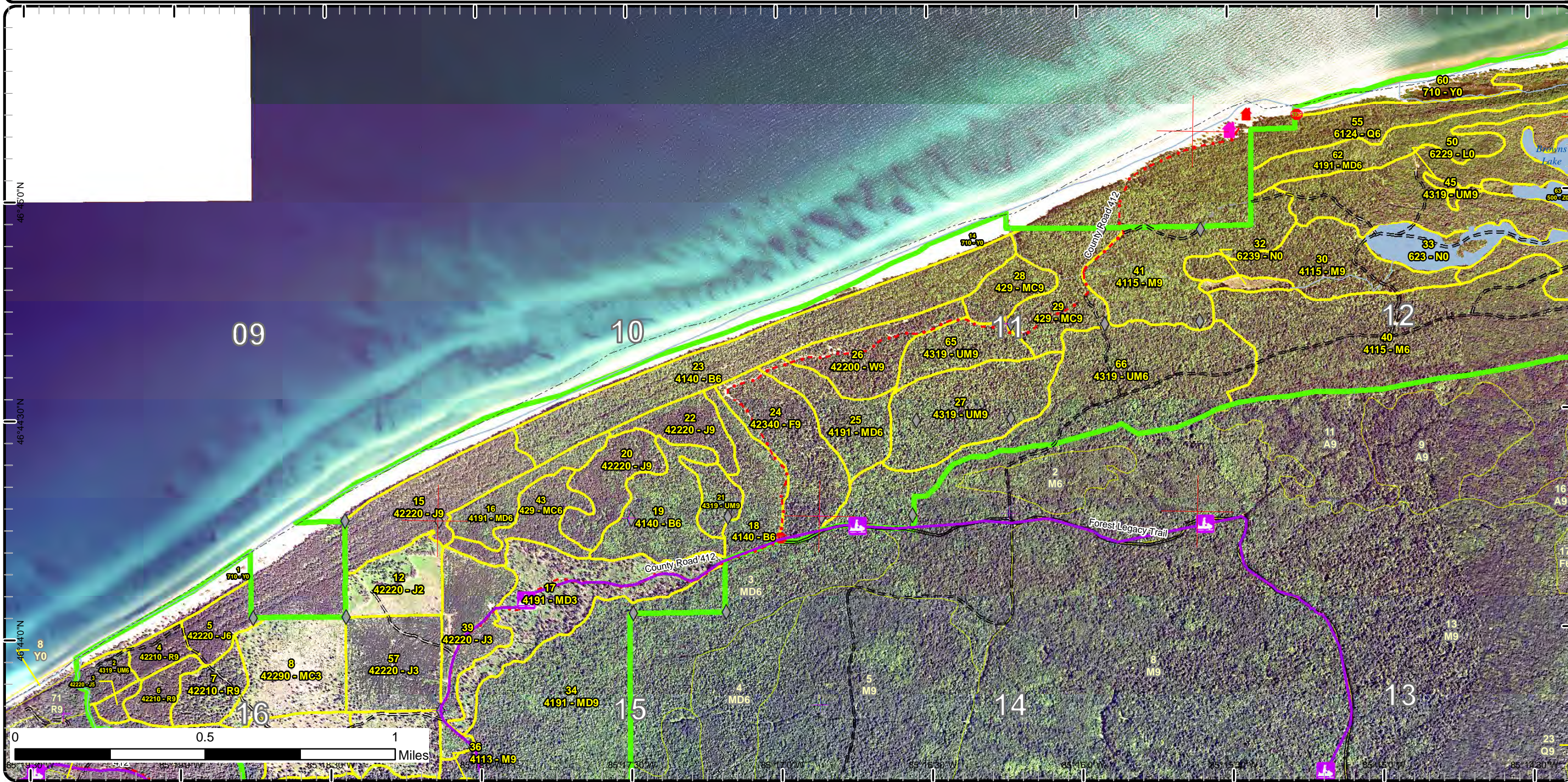


Stand Boundary Map

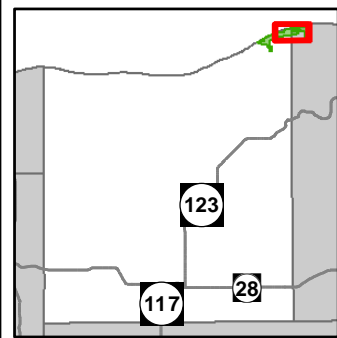
Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review



- | | | |
|---|--|---|
| <ul style="list-style-type: none"> — Miris Corners + Remonumented Section Corners ◆ Field Grade Corners Counties DNR - Secondary Forest Road DNR - Forest Access Route County - Gravel Road Private - Dirt / Gravel Road — Snowmobile Trails — Designated Snowmobile Trails + Structure, Seasonal Dwelling STOP Sign ■ Structures | <ul style="list-style-type: none"> — Intermittent Stream — Island in Lake or River — Lake/Pond — Perennial River — Shoreline — Lakes and Rivers All Compartment Boundary Stand Boundaries | <ul style="list-style-type: none"> 612 - Lowland Coniferous Forest 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland 710 - Sand/Soil 411 - Northern Hardwood 414 - Other Upland Deciduous 419 - Mixed Upland Deciduous 422 - Natural Pines 423 - Other Upland Conifers 429 - Mixed Upland Conifers 430 - Upland Mixed Forest |
|---|--|---|

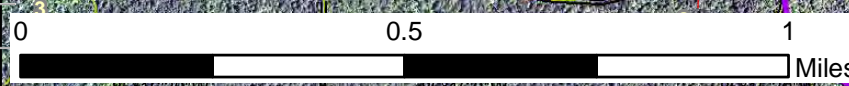
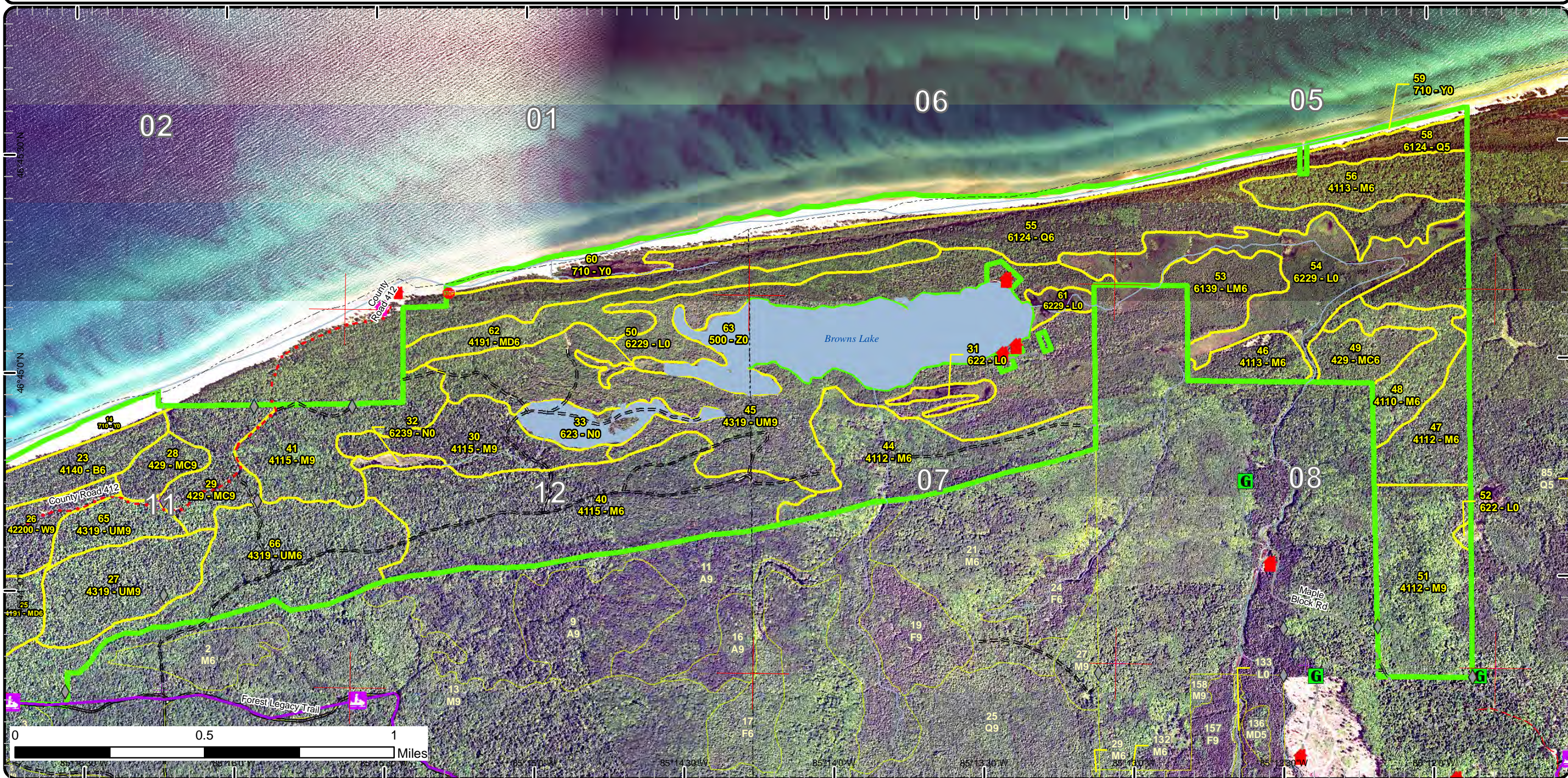


Stand Boundary Map



Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review

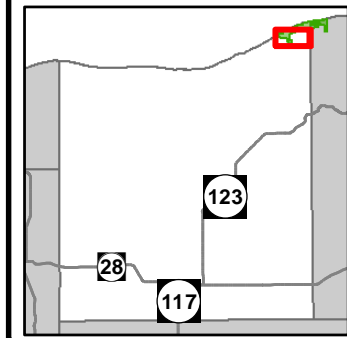
- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- Cabin
- Structure, Seasonal Dwelling
- Gate
- Sign
- Structures
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 710 - Sand/Soil



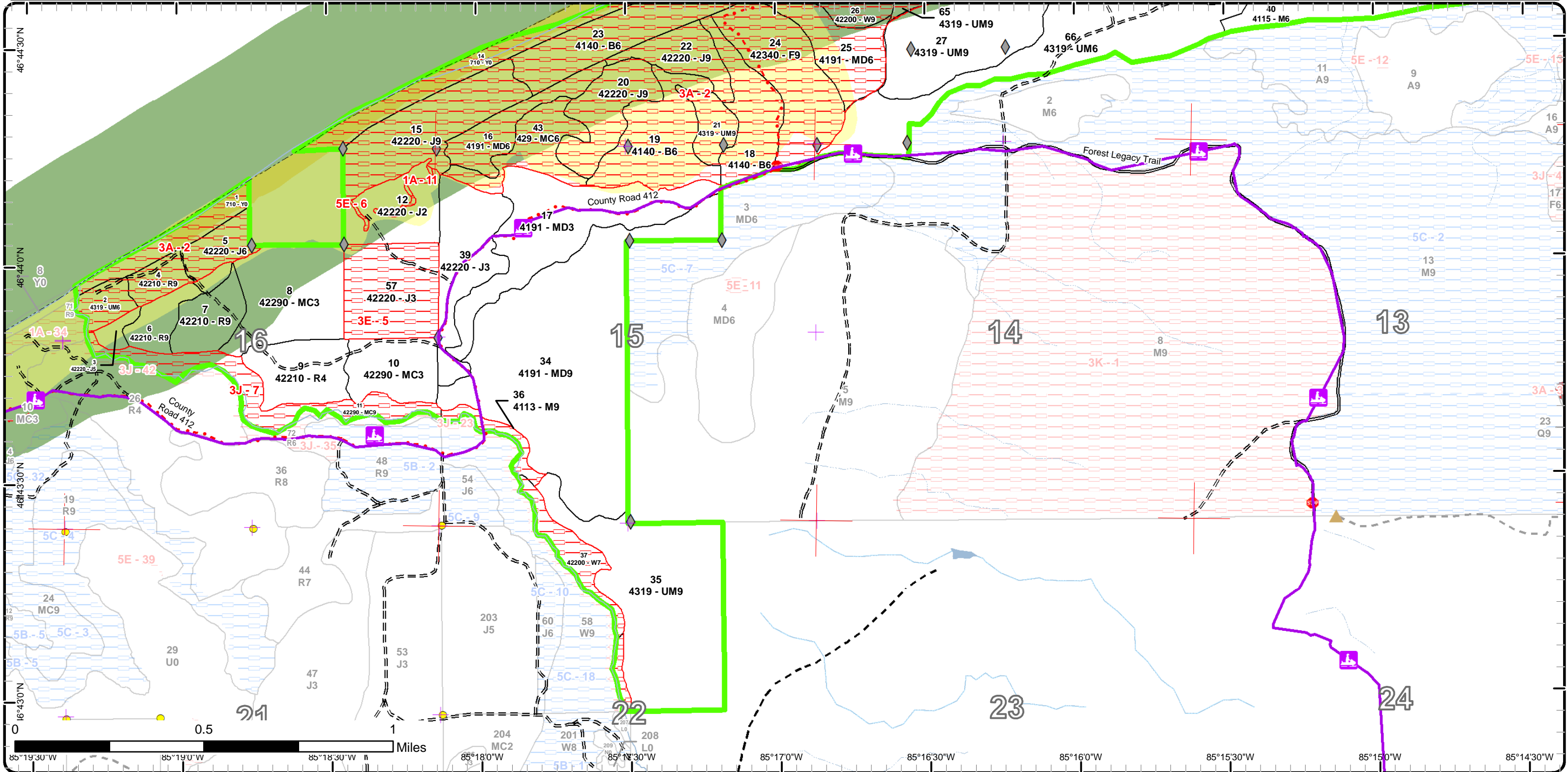
85°14'30"W 85°14'00"W 85°13'30"W 85°13'00"W 85°12'30"W 85°12'00"W
 46°45'30"N 46°45'00"N

Special Conservation Areas & Site Conditions Map

Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review

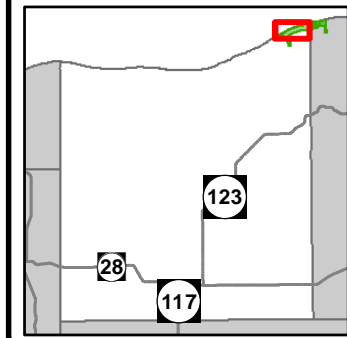


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- ▲ Berms
- Sign
- Intermittent Stream
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Unavailable
- 1A: Federal/State/Local Law
- 3A: Conservation Values incompatible with harvest at this time
- 3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Critical Dunes
- Critical Coastal Habitat (Piping Plover)
- Cold Water Streams
- Cold Water Lakes
- Non-Dedicated Natural Areas and National Natural Landmarks

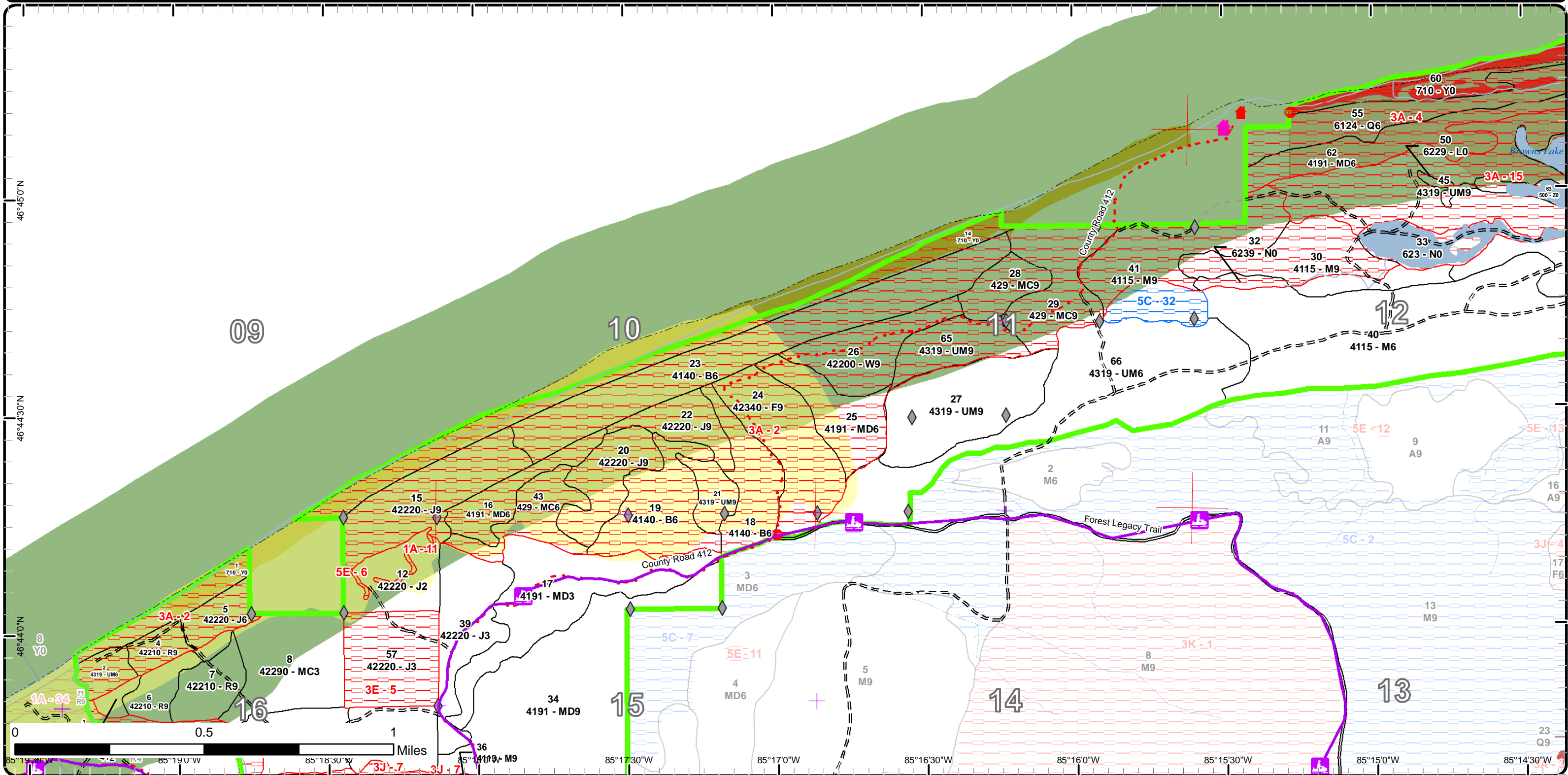


Special Conservation Areas & Site Conditions Map

Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16, 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review



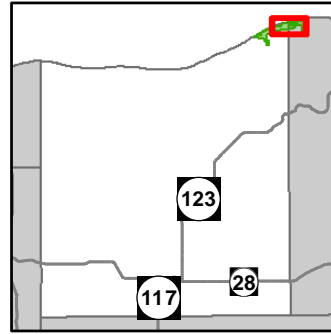
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- County - Gravel Road
- Private - Dirt / Gravel Road
- Snowmobile Trails
- Designated Snowmobile Trails
- + Structure, Seasonal Dwelling
- Sign
- Structures
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Shoreline
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 1A: Federal/State/Local Law
- 3A: Conservation Values incompatible with harvest at this time
- 3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5E: Long-Term Retention
- Stand Boundaries
- Ecological Reference Areas
- Critical Dunes
- Critical Coastal Habitat (Piping Plover)
- Cold Water Streams
- Non-Dedicated Natural Areas and National Natural Landmarks
- Contiguous Resource Area



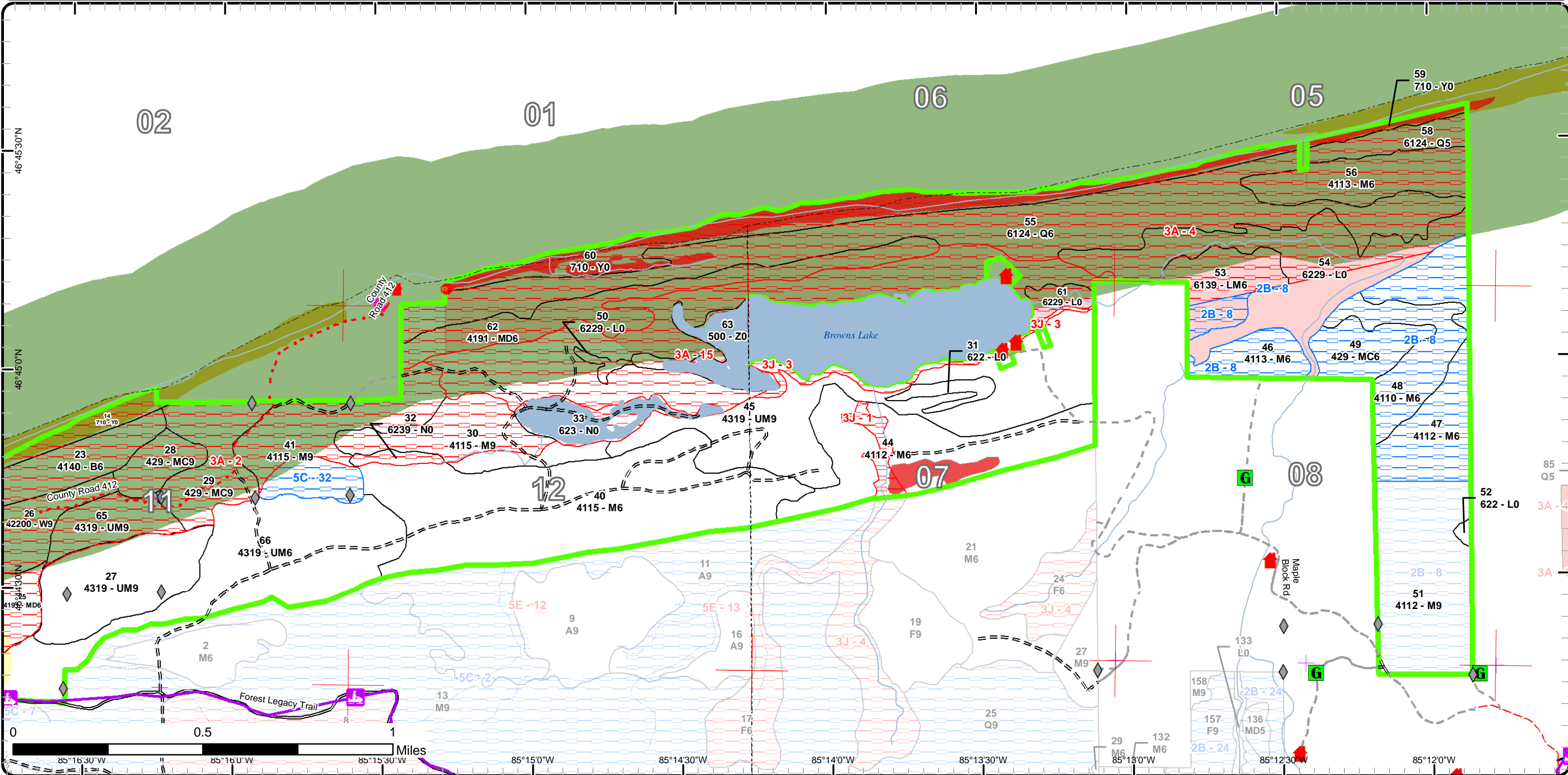
85°19'30"W 85°19'0"W 85°18'30"W 85°18'0"W 85°17'30"W 85°17'0"W 85°16'30"W 85°16'0"W 85°15'30"W 85°15'0"W 85°14'30"W

Special Conservation Areas
& Site Conditions Map

Compartment: 51
 T50N, R08W, Sec. 1, 9-12, 14-16,
 22
 T50N, R07W, Sec. 5-8
 County: Luce
 Unit: Newberry
 Mgmt Area: Whitefish Vermillion
 Point
 YOE: 2020
 Acres: 2,735 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 4/23/2019
 Map Phase: Post-Review



- | | | |
|--------------------------------------|------------------------------|--|
| Miris Corners | Structure, Seasonal Dwelling | 5C: Delay treatment for age/size class diversity or exceptional site quality |
| Remonumented Section Corners | Gate | 3A: Conservation Values incompatible with harvest at this time |
| Field Grade Corners | Sign | 3J: Water quality / BMPs (stream, river, or lake) |
| Counties | Structures | Stand Boundaries |
| DNR - Secondary Forest Road | Intermittent Stream | Ecological Reference Areas |
| DNR - Forest Access Route | Island in Lake or River | Critical Dunes |
| Federal / State - Dirt / Gravel Road | Lake/Pond | Critical Coastal Habitat (Piping Plover) |
| County - Gravel Road | Perennial River | Non-Dedicated Natural Areas and National Natural Landmarks |
| County - Dirt Road (Seasonal) | Shoreline | Contiguous Resource Area |
| Private - Dirt / Gravel Road | Lakes and Rivers All | |
| Snowmobile Trails | Compartment Boundary | |
| Designated Snowmobile Trails | Available w/ Constraints | |
| Cabin | Unavailable | |



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment 51 Year of Entry 2020



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	27	78	0	0	0	65	46	0	0	0	0	0	0	0	0	0	216
Lowland Conifers	0	0	0	0	0	0	0	0	0	187	0	0	0	0	0	0	0	0	187
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	0	30
Lowland Shrub	106	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	106
Marsh	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Mixed Upland Deciduous	0	63	0	0	0	0	0	28	0	74	0	0	0	0	0	0	0	159	324
Natural Mixed Pines	0	0	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	101
Northern Hardwood	0	0	0	0	0	0	0	0	19	198	179	0	0	0	0	0	0	193	589
Paper Birch	0	0	0	0	0	0	0	0	67	88	0	0	0	0	0	0	0	0	154
Red Pine	0	0	0	0	0	0	0	0	18	9	26	0	0	0	0	0	0	12	65
Sand, Soil	143	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	143
Upland Conifers	0	0	0	0	0	0	0	0	23	23	16	0	0	0	0	0	0	38	100
Upland Mixed Forest	0	0	0	0	115	0	0	0	21	0	258	0	0	0	0	0	0	182	576
Upland Spruce/Fir	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0	46
Water	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
White Pine	0	0	0	0	0	0	0	0	0	0	15	0	0	0	0	0	0	32	47
Total	301	63	98	78	115	0	0	93	241	609	494	0	0	0	0	0	0	646	2736



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 51

Total Compartment Acres: 2,735

Commercial Harvest - 225
 Harvests with Site Condition - 80
 Next Step Harvest - 26
 Habitat Cut - 26

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Jack Pine	7	0	0	0	0	0	0	0	0	7
Mixed Upland Deciduous	58	0	0	0	0	0	0	0	0	58
Northern Hardwood	0	155	0	0	0	0	0	0	0	155
Red Pine	0	0	0	0	29	0	0	0	0	29
Upland Mixed Forest	0	56	0	0	0	0	0	0	0	56
Total	65	211	0	0	29	0	0	0	0	305

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	305	26	0	0	0	0	0	0	0	331
Next Step	26	72	89	0	0	45	416	0	0	648
Total	331	98	89	0	0	45	416	0	0	979



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
3	42051003-Cut	4.1	42220 - Natural Jack Pine	Poetimber Medium	77	111- 140	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut. No retention due to small acreage. North boundary of the harvest should follow the steep ridge with the north facing slope, staying back from the slope.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Pesticide, Treatments: (Inactive)Skidder/Mechanical

Acceptable Jack pine with a red pine component.

Other
Comment:

Proposed Start Date: 10/1 /2019

5	42051005- cut_1	2.5	42220 - Natural Jack Pine	Poetimber Well	79	111- 140	Harvest	Clearcut	4222 - Natural Jack Pine	Even-Aged	Draft Field Boundary
---	--------------------	-----	------------------------------	-------------------	----	-------------	---------	----------	-----------------------------	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Clearcut. No retention, small acreage. The northern boundary of the cut should follow the steep north facing slope, staying back from the slope.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant
Treatments:

Acceptable jack pine with red pine

Other
Comment:

Proposed Start Date: 10/1 /2019

6	42051006-Cut	11.7	42210 - Natural Red Pine	Sawtimber Well	81	171- 200	Harvest	Shelterwood with Retention	4221 - Natural Red Pine	Even-Aged	Draft Field Boundary
---	--------------	------	-----------------------------	-------------------	----	-------------	---------	-------------------------------	----------------------------	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Shelterwood. Residual BA of 30 sq ft. Leave a minor component of white pine as residual.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Pesticide, (Inactive)Skidder/Mechanical; Planting, Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, (Inact

Acceptable Red pine with a minor component of jack pine and white pine.

Other Scarify for red pine regeneration following harvest. If not successful, trench and plant to red pine.
Comment:

Proposed Start Date: 10/1 /2019

7	42051007-Cut	17.6	42210 - Natural Red Pine	Sawtimber Well	78	81-110	Harvest	Shelterwood with Retention	4221 - Natural Red Pine	Even-Aged	Draft Field Boundary
---	--------------	------	-----------------------------	-------------------	----	--------	---------	-------------------------------	----------------------------	-----------	-------------------------

Habitat Cut: No**Site Condition:**

Prescription Shelterwood. Residual BA no higher than 30 sq ft. Leave a minor component of white pine as residual.

Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Pesticide, (Inactive)Skidder/Mechanical; Planting, Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Red pine with a minor component of jack pine and white pine

Other Scarify after harvest for natural red pine. If scarification fails, spray, trench and plant to red pine.
Comment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
9	42051009-Prep	26.3	42210 - Natural Red Pine	Poletimber Poor	94	1-50	SitePrep	Trenching	4212 - Planted Jack Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Machine Trench. Plant to jack pine. Following planting, cut 1/2 of overstory red pine and leave them lay. This is to reduce the overstory, promote better jack pine regen and to provide some large woody material on the ground for wildlife values.

Specs:

Next Step Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Replant; Harvest, Single Tree Selection; Planting, Initial Plant Treatments:

Acceptable Jack pine

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2018

27	42051027-Cut	55.8	4319 - Mixed Upland Forest	Sawtimber Well	96	111-140	Harvest	Single Tree Selection	4319 - Mixed Upland Forest	Uneven-Aged	Draft Field Boundary
----	--------------	------	----------------------------	----------------	----	---------	---------	-----------------------	----------------------------	-------------	----------------------

Habitat Cut: No**Site Condition:**

Prescription Selection harvest. Residual BA of 80-90, possibly lower in areas of thicker red maple. Concentrate on retaining better quality sugar maple, red maple and yellow birch. Remove large over mature trees. Leave a component of hemlock. Protect legacy trees.

Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Northern hardwoods with hemlock.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

34	42051034-Cut	58.1	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	79	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
----	--------------	------	--	----------------	----	--------	---------	-------------------------	-------------------------------------	-----------	----------------------

Habitat Cut: No**Site Condition:**

Prescription Clearcut with retention. Retention to be in patches, not more than 3% of the harvest acreage. Patches could be left along northern stand boundary. Leave all white pine 20 inches in diameter and larger.

Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Red maple with white birch, aspen, cherry, white pine, balsam and spruce

Regen:

Other

Comment: Access will be from the old landing area in Stand 17 to the north.

Proposed Start Date: 10/1 /2019

44	42051044-Cut	74.9	4112 - Maple, Beech, Cherry Association	Poletimber Well	90	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	Draft Field Boundary
----	--------------	------	---	-----------------	----	--------	---------	-----------------------	-------------------------	-------------	----------------------

Habitat Cut: No**Site Condition:**

Prescription Selection harvest. Residual BA of 80-90, possibly lower in areas of thicker red maple (eastern portion). Concentrate on retaining better quality sugar and red maple in the 8-10 inch classes. Remove large over mature trees. Protect legacy trees. Access is via existing roads from the west. Crossing will be needed over Browns Creek. Protect Brown's Creek.

Next Step Monitoring, Natural Regen (Re-Inventory) Treatments:

Acceptable Northern Hardwoods

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
51	42051051.34_ Cut	80.2	4112 - Maple, Beech, Cherry Association	Sawtimber Well	98	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:** Unknown Access

Prescription Select cut down to 80-90 BA, leaving best tree in place. Marking will need to be done looking for careful access for harvesting due to the ravines
Specs: throughout the stand.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Hard maple, red maple with yellow birch, oak and hemlock.
Regen:

Other Old grown in roads exist through the stand. Best accessed through private property. Treatment area may be reduced due to access and
Comment: topography.

Proposed Start Date: 10/1 /2017

**Total Treatment
Acreage Proposed: 331.2**

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 51
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail <i>With Condition</i> Acres Not Available		Dominant Site Conditions							
				2B	5C	1A	3A	3E	3J	5E	
217	69	0	147	Jack Pine			2	105	40		1
187	0	0	187	Lowland Conifers				187			
30	0	8	22	Lowland Mixed Forest	8			22			
106	41	0	65	Lowland Shrub				65			
29	0	0	29	Marsh				29			
324	223	0	102	Mixed Upland Deciduous				102			
101	71	0	30	Natural Mixed Pines						30	
589	248	207	134	Northern Hardwood	192	16		118		15	
154	0	0	154	Paper Birch		0		154			
65	56	0	9	Red Pine				9			
143	0	0	143	Sand, Soil				143			
99	0	23	76	Upland Conifers	23	0		76			
575	380	0	195	Upland Mixed Forest		0		180		16	
46	0	0	46	Upland Spruce/Fir				46			
23	0	0	23	Water				23			
46	0	0	46	White Pine				32		15	
2,735	1,087	239	1,409	Total Forested Acres	223	16	2	1,291	40	76	1
	40%	9%	52%	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	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 51
Year of Entry: 2020

2	Unavailable	3A: Conservation Values incompatible with harvest at this time	689	1C: Other dept or div proc/practices	3K: Rare or unique landforms	Unspecified	Unspecified
Comments: Stands within this site condition are being added to the Crisp Point/Browns Lake Proposed Natural Area SCA. Other SCA's that are included with some of the stands are Critical Dunes, Piping Plover and Sand/Gravel Beach.							
3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	3A: Conservation Values incompatible with harvest at this time	433	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Proposed Crisp Point/Browns Lake natural area							
5	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Luce County Lease Land							
6	Unavailable	5E: Long-Term Retention	1	3A: Conservation Values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: Steep slopes within the critical dunes area							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	55	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 51
Year of Entry: 2020

8	Available	2B: Unknown if access through adjacent landowner(s) is possible	143	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	1A: Federal/State/Local Law	2	5E: Long-Term Retention	2F: Too steep	Unspecified	Unspecified
Comments: Steep slopes within the critical dunes area							
15	Unavailable	3A: Conservation Values incompatible with harvest at this time	169	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is within the Crisp Point/Browns Lake Proposed Natural Area							
32	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							



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
Crisp Point/Browns Lake Proposed Natural Area	Contiguous Resource Area	Contiguous Resource Area	Error	48
Comments				
Crisp Point/Browns Lake Proposed Natural Area	Contiguous Resource Area	Contiguous Resource Area	Error	802
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.
HCVA	Critical Dunes	Critical dune areas are established via the public legislative process, and governed by Part 353, Sand Dune Protection and Management, of the Natural Resources and Environmental Protection Act, 1994 PA 451. The program is administered by the Michigan Department of Environmental Quality (DEQ). The current distribution of designated critical dunes is established by the DEQ 1989 Atlas of Critical Dune Areas.
HCVA	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
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.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4319 - Mixed Upland Forest	Poletimber Well	9.3	76	81-110	Stand is along three mile creek with steep banks. Area is on sandy recessional beach line area making it vulnerable to damage if disturbed. Proposed SCA - Part of Crisp Point/Browns Lake natural area along recessional beach lines of Lake Superior. Possibly expand the existing natural area already along the beach and dunes areas to include this stand. Stand is small diameter white birch, mainly in clumps, with some spruce, clumps of red maple and large diameter white pine and a few red pine. Birch is showing some mortality.
3	42220 - Natural Jack Pine	Poletimber Medium	4.1	77	111-140	Stand is located on flat top of old recessional beach line. There are steep banks along Three mile creek. Jack pine mixed with a good red pine component. Small diameter black spruce and some white birch as well. Lots of 2-4 inch black spruce. Some mortality in the jack pine (10%). Pockets of good quality.
4	42210 - Natural Red Pine	Sawtimber Well	9.2	85	141-170	Very scenic stand located on old recessional beach line. The stand is adjacent to beach. Area is soft sand and is vulnerable to erosion if disturbed. Very dense red pine stand. Tall red pine, averaging 5 merchantable sticks in height, 140-190 BA on average. Diameters from 8 inch up to 14 inch. Road through stand leads to a couple of camping areas. Proposed SCA - Crisp Point/Browns Lake natural area. Follows along recessional beach lines of Lake Superior. Possibly expand the existing natural area to include this stand. Stand currently falls within the Critical Dunes SCA as well.
5	42220 - Natural Jack Pine	Poletimber Well	14.9	79	111-140	Jack pine mixed with red pine. Decent quality jack pine. J6/J9. Lots of jack pine 9-11 inches in diameter. Majority of the stand is within the recessional beach lines but part of the stand is up on the level ground above the old beach lines. Southern portion of the stand could be managed with adjacent red pine stands, not on the receding beach/dunes. Level part of stand before you reach the sensitive soils/slopes. The portion above the beach lines was scheduled for harvest last entry year but the treatment was dropped per request of wildlife division. Proposed SCA - Crisp Point/Browns Lake natural area to include the major portion of this stand located on the critical dunes sensitive soils and slopes. Possibly expand the natural area to include this stand. Stand currently falls within the Critical Dunes SCA as well.
6	42210 - Natural Red Pine	Sawtimber Well	11.7	81	171-200	Three mile Creek Pine, sale #23-00. Sale completed on 05/06/02. Thinned. Red Pine stand. Thick BA throughout most of the stand. Areas with slightly less BA, ranging from 130-200 sq ft. Runs of larger diameter red pine. Most of the diameters are in the 9 inch to 12 inch classes.
7	42210 - Natural Red Pine	Sawtimber Well	17.6	78	81-110	Three Mile Creek Pine, sale #23-00. Sale completed on 05/06/02. Stand was thinned. Currently stand is natural large diameter red pine with a component of white pine. No red pine regeneration from the harvest. Only black spruce and a few white pine saplings in the stand. Current BA ranges from 70 to 120. Very shaded. Large diameters up to 16-18 inch.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
8	42290 - Natural Mixed Pine	Sapling Well	45.8	17	Immature	Three Mile Creek Pine, sale 23-01. Sale completed on 05/06/02. Pretty much a fully stocked stand. Jack pine regen is patchy, 2-4 inches in diameter, also black spruce, white pine, balsam and red pine regeneration. Primarily jack pine and black spruce. Regen of all species is about Residual red pine and white pine. 2008 notes stated - Quite a bit of sawfly damage within the stand on the young jack pine regen. Regeneration checks in 2004 and 2006. Records indicate 334 tr/ac in '04 and 440 tr/ac in '06
9	42210 - Natural Red Pine	Poletimber Poor	26.3	94	1-50	Stand harvested via final harvest as sale #42-036-10-01, "Crisp Point Mix". Completed 12/11/12. Scarification yet to be done as of 03/01/13. Stand is not regenerating to jack pine. Not sure the stand was scarified. Check of the regen shows non stocked. A few scattered jack pine seedlings in areas but very few, mostly in the southeastern portion of the stand.
10	42290 - Natural Mixed Pine	Sapling Well	24.9	17	Immature	Three Mile Creek Pine, sale #23-00. Sale completed 05/06/02. Some red pine residual throughout the stand, averaging 10-20 sq ft of BA. SE portion of the stand has higher red pine residual (up to 50 sq ft). Notes from the regeneration check state that the stand stocking in '06 was "327 tr/ac, OK stocking". Sawfly damage to over half of the jack pine regeneration back in 2008. Was discussed to possibly plant at that time but it didn't get done. Stand now is a mixed stand of jack pine, black spruce, red pine, white pine and some balsam. Good component of red pine 2-5 ft beginning to fill in areas. Most of the regen is 10-15 ft tall, some white pine 5-10 ft tall. Really mixed stand. Some pockets of thicker jack pine. Overstory red pine and white pine log size trees.
11	42290 - Natural Mixed Pine	Sawtimber Well	30.0	106	111-140	Stand runs along Three Mile Creek with steep banks in places. Large diameter white pine and red pine with maple, balsam and spruce. Stand represents the buffer along north side of Three Mile Creek. Good understory of maple, balsam and spruce.
12	42220 - Natural Jack Pine	Sapling Medium	27.4	10	Immature	Stand harvested as "Three Mile Jack Pine", sale #023-04-01. Completed 5/07/09. Scarification yet to be done as of 6/09/09. Regen 2013: Jack pine 619 TPA. Jack pine is moderately to fully stocked (moderate on slopes, full on level ground that was scarified). 3-6 ft tall jack pine. Ridge left on the steep slope is mature jack pine, at approx. 80-90 BA, long term retention. Stand lies with the Critical Dunes SCA. DEQ permit was obtained for harvesting in Critical Dunes.
15	42220 - Natural Jack Pine	Sawtimber Well	47.2	68	51-80	Stand is located on lower old recessional beach line. Area is very loose sandy ground. Mature jack pine with some red pine and white birch. Sensitive soils. No reason to ever try to harvest. Possibly expand the existing Crisp Point/Browns Lake natural area along to include this stand. Stand currently falls within the Critical Dunes SCA as well.
16	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	19.8	81	81-110	Birch stand at top of ridge. Clumps of white birch. Showing decline and dieback in birch. Large white pine throughout. Stand makes a good buffer along the ridgetop for proposed adjacent jack pine harvests. Appears stand will convert to red maple and balsam over time. SCA - critical dunes. Adjacent to Piping Plover Habitat.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	63.3	7	Immature	Stand harvested via final harvest as sale #42-036-10-01, "Crisp Point Mix". Completed 12/11/12. Northern portion (northern 1/3) of the stand which falls in the Critical Dunes designation was not harvested, now stand 43. Stand is regenerating nicely to a mix of red maple, aspen, white birch, balsam, some white pine and jack pine. Regeneration in the maple and aspen is 10+ ft tall. Very thick regen throughout most of the stand. Residual large diameter white pine throughout along with a few large diameter white spruce.
18	4140 - Other Upland Deciduous	Poletimber Well	27.2	76	111-140	White birch with red maple, spruce and balsam. Large diameter white pine. Some aspen. Steep slopes, very limited access. Difficult to harvest. Stand lies within critical dunes SCA. Sensitive soils with steep slopes. Nice visual/scenic stand along the Co Rd 412 leading to the lighthouse (white birch hills). Stand is being added to the Crisp Point/Browns Lake proposed natural area.
19	4140 - Other Upland Deciduous	Poletimber Well	39.3	76	111-140	White birch with red maple, spruce and balsam. Large diameter white pine. Some aspen. Steep slopes, very limited access. Difficult to harvest. Stand lies within critical dunes SCA. Sensitive soils with steep slopes. Nice visual/scenic stand along the Co Rd 412 leading to the lighthouse (white birch hills). Stand is being added to the Crisp Point/Bowns Lake proposed natural area.
20	42220 - Natural Jack Pine	Sawtimber Well	27.1	77	81-110	Stand is located on top of dune. Access is from the East only through stand 22. Mature jack pine with red pine, white pine, balsam, spruce and red maple. Also some white birch. Pockets of tall jack pine. Fair amount of variability to the stand. Stand falls within the SCA for Critical Dunes. Limiting Factors on stand due to the cost of permits for harvesting in critical dunes area versus the amount of timber prescribed in this stand and adjacent stands (stands 21, 22).
21	4319 - Mixed Upland Forest	Sawtimber Well	11.4	77	81-110	White spruce, balsam, red maple, white birch, some aspen. Pockets of mortality. Thick F3 understory 6 ft tall. Stand is mature. Stand falls within the Critical Dunes SCA. Limiting factors on the stand due to the critical dunes designation.
22	42220 - Natural Jack Pine	Sawtimber Well	18.0	69	81-110	Stand is located on stable ground on flat back side of dune ridge. Access is from the East only. Mature jack pine with occasional white pine. 3-5 stick jack pine. Stand falls within the SCA for Critical Dunes. Limiting Factors on stand due to the cost of permits for harvesting in critical dunes area versus the amount of timber prescribed in this stand and adjacent stands (stands 20, 21).
23	4140 - Other Upland Deciduous	Poletimber Well	87.8	81	81-110	Stand is on loose sand. (old recessional beach ridges) Primarily white birch and red maple. White Birch is declining. Large diameter white pine. Pockets thicker to red maple. Stand lies within the Critical Dunes SCA and is adjacent to the Piping Plover Habitat SCA. Possibly expand the existing natural area already along the beach and dunes areas to include this stand (Crisp Point/Brown's Lake Proposed Natural Area).



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	42340 - Upland Spruce/Fir	Sawtimber Well	46.5	78	81-110	Mixed stand of spruce, balsam, aspen, white birch, maple and large white pine. East side of the stand is more open, more of an F5/F6. Stand borders along the road to Crisp Point lighthouse. Stand is being added to the Crisp Point/Browns Lake proposed natural area.
25	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	28.4	68	81-110	
26	42200 - Natural White Pine	Sawtimber Well	31.7	101	51-80	Low quality white pine stand along Co Rd 412. Open grown, limby white pine. White birch in stand is almost all dead. Pockets of spruce and jack pine. Possibly include into the Crisp Point/Browns Lake Proposed Natural Area. High recreational/vacation traffic area(proximity to Lake Superior and Crisp Point Lighthouse scenic values).
27	4319 - Mixed Upland Forest	Sawtimber Well	55.8	96	111-140	Large diameter hemlock, white pine, red maple and yellow birch. Good component of 16-18" and larger diameter trees. Smaller diameters in some red maple, spruce and balsam. Lots of overmature red maple, pulp quality. Very scenic stand. Has that "old growth/overmature" look to it. Good component of large diameter down hemlock and white pine. Small low areas within the stand. Southern end of stand has less of a hemlock component. Proposed SCA - biodiversity stewardship - due to the composition and make up of the stand, the continuity of this stand with adjacent stands also within the proposed SCA and the proximity to the Crisp Point Lighthouse. Stand possesses characteristics consistent with biodiversity stewardship designation.
28	429 - Mixed Upland Conifers	Sawtimber Well	15.7	91	51-80	Mixed stand of mainly spruce and white pine with low quality hardwoods, white birch. Stand borders on both the ridge to the recessional beach lines of Lake Superior as well as a steep drainage bordering the stand on the northeast. Stand is being added to the Crisp Point/Browns Lake proposed natural area.
29	429 - Mixed Upland Conifers	Sawtimber Well	37.6	121	111-140	Very scenic stand along the road consisting of large Hemlock and lower quality, large diameter hardwood. Large red maple and yellow birch as well. Road winds through the stand. Creek with steep slopes flows through the stand. Large diameter, mature hemlock and white pine with overmature maple, yellow birch. Stand is to be added to the Crisp Point/Browns Lake proposed natural area.
30	4115 - Y.Birch, Hemlock NH	Sawtimber Well	45.4	91	81-110	Poorer quality overstory with a thick M3 understory and small poles throughout. Mainly red maple and hemlock overstory. Some yellow birch and large white pine. "Wetter" soil type. Low areas throughout. Pockets of small diameter M4 and areas where the stand is more of an M9. Paquin-Spot soils.
34	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	159.0	79	81-110	Stand is lower quality red maple with thick component of balsam and super canopy white pine. Some white birch in the stand but most has died out. Occasional aspen. Good portion of the balsam is just into the pole size class. Red maple has seams, twisted, etc. Some large diameter white spruce. Southeastern portion of the stand is better quality maple, adjacent to an active timber sale.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
35	4319 - Mixed Upland Forest	Sawtimber Well	103.2	111	111-140	Large diameter red maple stand with yellow birch and large hemlock and white pine. Very large diameters throughout the stand in all species, up to 18-24 inches and larger. Good component of 9-10 inch maple and yellow birch as well. Maple ranges from 8 inch to 20 inch diameter. Component of large white spruce and smaller balsam and black spruce as well. BA up to 170 sq ft in areas, large diameters. Mostly upland with some lower 'swales'. Very neat stand due to the diameters and species composition.
36	4113 - R.Maple, Conifer	Sawtimber Well	7.0	91	81-110	Portion of stand 34 that is delineated as a buffer along Three Mile Creek.
37	42200 - Natural White Pine	Sawtimber Poor	14.8	99	81-110	White pine stand acting as a buffer along Three Mile Creek.
39	42220 - Natural Jack Pine	Sapling Well	37.6	25	Immature	Timber sale #21-90. Cut in 1993. Jack pine regeneration 20 ft tall, fairly thick. South end has a component of A2/F2. Stand will be transitioning to a pole stand by the next entry year.
40	4115 - Y.Birch, Hemlock NH	Poletimber Well	161.5	81	51-80	Stand was cut through approximately 30 years ago. Residual red maple, hemlock, white pine, hard maple, Hemlock was retained mainly in patches. Smaller diameter (pole/sapling) of numerous species...red maple, hard maple, beech, yellow birch, balsam, paper birch, cherry and some spruce. Very mixed stand, both in species composition and age/size class. Very similar to the stand adjacent to the west, but less of a conifer component in this stand. Check in 10-20 years for possible selection harvest if diameters are large enough.
41	4115 - Y.Birch, Hemlock NH	Sawtimber Well	60.6	91	111-140	Primarily red maple with large hemlock, white pine and yellow birch. Areas in the stand have overmature, large diameter red maple. Good component of large diameter trees throughout. Large down hemlock and white pine logs. Areas with thicker understory and more of an M5 overstory. Understory is a real mix of species. Hummocky soils/ground. Slightly lower ground in areas. Paquin-Spot soil complex. Drainage/Creek runs through the center of the stand (east/west). The majority of this stand is being placed in/added to the Crisp Point/Browns Lake proposed natural area.
43	429 - Mixed Upland Conifers	Poletimber Well	22.9	78	81-110	Mixed stand of basically everything. White spruce, black spruce, white pine, red pine, maple, white birch, scattered aspen, balsam, pockets of jack pine. Thick F3 understory throughout (balsam, spruce and maple). Dieback in the aspen and birch. Spruce and balsam are healthy. Large diameter white pine and red pine. Low quality maple. An occasional yellow birch. This is the northern portion (northern 1/3) of what was originally all stand 17. This stand is the portion that in the Critical Dunes designation.
44	4112 - Maple, Beech, Cherry Association	Poletimber Well	83.1	90	81-110	East end of the stand is primarily red maple, multiple stems, lower quality. Component of balsam. West end has more hard maple with some yellow birch. Primarily a pole size stand throughout but areas of sawlog size and quality. Some over mature, large diameter sugar and red maple. Stand is located below the steep "bluff"/ridge. Browns Creek runs through the western portion of the stand. Culvert will be needed for a crossing. Some flooded timber along the creek. Pretty thick understory.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
45	4319 - Mixed Upland Forest	Sawtimber Well	257.8	91	81-110	Very mixed stand of red maple, white birch, large spruce and hemlock, balsam, white spruce, cedar, Some large white pine. Most of the stand is 10 inches in diameter and larger. Lots of species variability. Mostly upland but stand includes swales of low ground with cedar, spruce and black ash. Some areas are wet. Birch is showing dieback. Stand surrounds Brown's Lake. The major portion of the stand is within the Crisp Point/Browns Lake proposed natural area.
46	4113 - R.Maple, Conifer	Poletimber Well	19.4	75	81-110	
47	4112 - Maple, Beech, Cherry Association	Poletimber Well	56.0	90	81-110	
48	4110 - Sugar Maple Association	Poletimber Well	36.0	85	81-110	
49	429 - Mixed Upland Conifers	Poletimber Well	22.9	82	81-110	
51	4112 - Maple, Beech, Cherry Association	Sawtimber Well	80.2	98	111-140	Very shaded with little understory. Lots of topography (draws/drainages). Fairly steep ridges and valleys through the stand. Old roads present through stand. Best access is through PVT. Would need careful marking and good operator to cut. Small inclusions on eastern edge: low quality red maple poletimber with balsam sapling understory. Larger diameter white pine component.
53	6139 - Mixed Lowland Forest	Poletimber Well	30.0	85	81-110	Part of the Crisp Point/Browns Lake Proposed Natural Area.
55	6124 - Lowland Spruce-Fir	Poletimber Well	170.2	87	81-110	Stand consists of mostly lowland areas with ridges of higher ground mixed in. Tough stand to delineate or type. Mix of various species. Stand continues across compartment boundaries to both the east and west. Previous inventory in both directions has designated a proposed SCA of natureal area. Stand is adjacent to Lake Superior shoreline. Maintain stand in it's natural state. No management concerns or potential.
56	4113 - R.Maple, Conifer	Poletimber Well	39.7	90	111-140	Mixed hardwood pole timber with scattered w birch and associated larger diameter w pine. Spruce component, balsam sapling understory. Stand was designated for potential SCA - Crisp Point/Browns Lake proposed natural area.
57	42220 - Natural Jack Pine	Sapling Well	40.2	29	Immature	Luce County Lease Land. Thick, young jack pine averaging 20-30 ft tall. A few trees transitioning into the pole size. Good component of black spruce along the west edge of the stand. 2008 - Some sawfly damage on the west stand edge.
58	6124 - Lowland Spruce-Fir	Poletimber Medium	16.9	87	81-110	Data from adjacent stand/compartment (C-137, stand 20) taken 01/07/2014: Stand consists of mostly lowland areas with ridges of higher ground mixed in. Mix of various species. Stand is adjacent to Lake Superior shoreline. OPIC - FMD 2008: lowland conifer poletimber adjacent to Lake Superior. Areas of water pockets throughout stand (possible springs).



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	53.9	87	81-110	Stand is on ridge that runs down to beach line. Poorer quality. Mostly maple with some white birch, balsam and spruce. Large white pine. Lesser component of aspen. Stand lies on the sensitive recessional beach soils leading to the shore of Lake Superior. Stand is designated as a proposed SCA - Crisp Point/Browns lake proposed natural area. Leave this stand in its natural state due to the location and the sensitive nature of the soils, slope, etc. ORV issues within the stand...trail coming from the south.
65	4319 - Mixed Upland Forest	Sawtimber Well	23.0	96	111-140	Large diameter hemlock, white pine, red maple and yellow birch. Good component of 16-18" and larger diameter trees. Smaller diameters in some red maple, spruce and balsam. Lots of overmature red maple, pulp quality. Very scenic stand. Has that "old growth/overmature" look to it. Good component of large diameter down hemlock and white pine. Small low areas within the stand. Southern end of stand has less of a hemlock component. Proposed SCA - biodiversity stewardship - due to the composition and make up of the stand, the continuity of this stand with adjacent stands also within the proposed SCA and the proximity to the Crisp Point Lighthouse. Stand possesses characteristics consistent with biodiversity stewardship designation.
66	4319 - Mixed Upland Forest	Poletimber Well	114.7	35	51-80	Stand was cut through in the past before State ownership. Mixed stand of red maple, hemlock, white pine, hard maple, white spruce. Hemlock is mainly in patches. Smaller diameter (pole/saplings) of numerous species...red maple, hard maple, beech yellow birch, balsam, paper birch, some spruce and hemlock. Very mixed stand in both species composition and age/size class. Stand is very similar to the stand to the east but with more of a conifer component (large hemlock and white pine).



Stand	Cover Type	Acres	Managed Site	General Comments:
1	710 - Sand, Soil	16.7	No	Beach and sand dunes on Lake Superior. SCA's - Natural Area, Piping Plover Habitat, Critical Dunes
14	710 - Sand, Soil	50.3	No	Lake Superior beach. SCA's - Natural Area, Piping Plover Habitat, Critical Dunes
31	622 - Lowland Shrub	7.4	No	Flooded area.
32	6239 - Mixed Emergent Wetland	4.7	No	
33	623 - Emergent Wetland	23.9	No	A "dry marsh". 6 ft tall black ash throughout. Stand has a sand bottom to it with a road running through the northern portion. Stand holds water for portions of the year, especially early in spring.
50	6229 - Mixed lowland shrub	2.7	No	lowland brush and flooded timber
52	622 - Lowland Shrub	1.5	No	Old beaver flooding.
54	6229 - Mixed lowland shrub	86.9	No	Some areas of "marsh" characteristics but overall the stand is a lowland brush stand. Ponding from beaver activity throughout. Small drainage.
59	710 - Sand, Soil	6.3	No	Lake Superior shoreline/beach.
60	710 - Sand, Soil	69.9	No	Lake Superior beach and shoreline
61	6229 - Mixed lowland shrub	7.6	No	Stand is flooded in 2014 due to high water levels. Partially flooded this YOE (checked 2018). Lowland brush on east end of Brown's Lake
63	500 - Water	23.1	No	Portion of Browns Lake located in Luce County.