



**NEWBERRY FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT # 42 ENTRY YEAR: 2009

Compartment Acreage: 4180 County: Luce

Revision Date: *6/25/2007*

Stand Examiner: **Keith Magnusson**

Legal Description: **T48N R9W Sections 1-4, 10**
 T49N R9W Sections 25-27, 34-36

RMU (if applicable):

Management Goals: Wildlife, timber, recreation and fisheries are the main uses of this area. The goal is to manage for all of these simultaneously and to provide, enhance and perpetuate their uses through proper management. Forest treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat.

Soil and Topography: Soil type on the uplands is predominately sands (Rubicon, Wallace, Croswell, Rousseau). The lowlands are predominately a Dawson/Tawas/Carbondale muck complex. The upland terrain ranges from level to rolling with very steep ridges mixed throughout making straight line navigation difficult. There are lowlands scattered across the entire compartment interspersed with the upland sand ridges. Some of the lowlands are peat/muck dominated with lowland conifer forest type while other areas are more marsh-like. There is an area referred to as Swamp Lakes within the compartment. This area is an intermittent wetland which contains a complex of lakebeds that seasonally hold water.

Ownership Patterns, Development, and Land Use in and Around the Compartment: There is private ownership, corporate private ownership and Nature Conservancy ownership (Little Two Hearted Lakes Preserve) along the southern boundary of the compartment. The east, west and north boundaries are mostly State ownership with a mix of private and corporate private ownership. Within the compartment boundary amongst the State land, there is a scattering of private land, corporate private land and Nature Conservancy Land (Swamp Lake Preserve). Predominate land use in the area is mostly involves recreation (hunting, fishing, dog sledding, hiking, ORV and snowmobile riding, berry picking, wildlife/nature viewing) and timber production.

Unique, Natural Features (include only non-site specific and non-sensitive information): MNFI has identified that the compartment contains Intermittent wetlands (Swamp Lakes), Dry-mesic northern forests, Mesic northern forests (Little Two-Hearted Lakes), Muskeg (Prison Camp Muskeg), Mesic northern forest, and Rich conifer swamp.

MNFI also identified that the compartment contains Northern prostrate clubmoss (associated with intermittent wetland), the potential for English sundew, Alga pondweed, Moor rush, American shoregrass as well as numerous rare plants. In addition there is the potential for pine drops, climbing fumitory, and false violet in pines; potential for Canada rice-grass possible in jack pine openings; potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, round-leaved orchis, black crowberry, yellow

pitcher plant, and panicked screwstem in bogs and open wetlands; potential for climbing fumitory, goblin fern, large toothwort, ginseng, and showy orchis in mature hardwoods.

There is potential for red-shouldered hawk, great blue heron rookery, spruce grouse, eagle, osprey, merlin and goshawk; potential for moose and wolf; potential for wood turtle and Blanding's turtle; potential for incurvate emerald and ebony boghaunter in boggy areas.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): The Bureau of History does not list any historical features.

Special Management Designations or Considerations: The Little Two Heated Lakes located on the south end of the compartment is a unique area that has been left relatively undisturbed. The forested areas of pine, hemlock and hardwoods immediately adjacent to the north edges of Mink Lake and Bone Lake are like taking a step back in time. This area has characteristics that many would consider to be "old growth". Its uniqueness should be factored in while making land management decisions.

The Swamp Lakes Complex located within the compartment boundary has been identified as an Ecological Reference Area (ERA). This area is a series of intermittent wetlands interspersed amongst pine/oak ridges. Many of the small ponds within this complex seasonally dry up. Any land management decisions made in the area must consider the ERA.

Watershed and Fisheries Considerations: Fisheries Values

Minimal. No fisheries values exist within this compartment. Just to the south, however, the Little Two-Hearted River is classified as Type 1 trout. Brook trout populations are adequate for the few knowledgeable anglers, and are naturally produced, but the streams are too small to support heavy fishing pressure. Fisheries Division does not actively manage or stock this water.

The Little Two-Hearted Lakes are very isolated and provide only a modest fishery. We philosophized that, if we were to conduct an intensive manual removal of bullheads, the fishery would improve only until anglers harvested the large predators (pike). At that time, the lakes would revert to their current condition until we again conducted an intensive removal. In the meantime, however, many anglers would be attracted to the lakes for their beauty and for their fisheries. If left unmanaged, these lakes provide a modest fishery for perch and pike, while allowing ambitious anglers to relax in a very beautiful, very wilderness, very isolated setting. The trade-off of better fishing through active management would probably be an environmental negative due to increased human activity and the short duration of that fishery. We recommend no active management in these lakes.

Wildlife Habitat Considerations: Compartment 42 lies in the northern portion of Luce county and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection. The compartment is composed largely of treed bogs, marshes and forested uplands, which generally support red or white pine. Species diversity within stands is generally high in the compartment. The landscape characteristics and vegetation patterns of this compartment are likely quite similar those found in pre-settlement times.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands. Structural diversity of stands will be retained by preserving understory spruce and maple in harvests. Marshes will be buffered and low ground leatherleaf areas will be avoided during harvest to preserve wetland wildlife values and habitats. Wildlife species expected to use this compartment include ruffed grouse, white-tailed deer, black bear, moose, otter, mink, coyotes, gray wolves, fisher, marten, otter and mink and waterfowl.

Mineral Resource and Development Concerns and/or Restrictions: Sections 1 - 3, T48N-R9W & Sections 25 - 27 & 34 - 36, T49N-R9W, Luce County

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Cambrian Munising Group subcrops below the glacial drift. The Munising has been used as a building stone in the past. Gravel pits are located one mile to the southeast and there could be some potential. There is no economic oil and gas production in the UP.

Vehicle Access: The compartment is located approximately 26 miles north of Newberry via M-123 and County Road 500. The compartment can be accessed mainly by the Swamp Lakes Road or the Bone Lake Trail (also known as the Little Two Hearted Lakes Road). The Swamp Lakes Road is a good dirt road for the most part. The Bone Lake Trail is a poor dirt road that can be seasonally impassible to normal two-wheel drive traffic. The Culhane Grade runs through portion of the compartment as well as several other two tracks. Many of the two tracks within the compartment are narrow and difficult to navigate with a normal vehicle.

Survey Needs:

Need the W1/16 and SW1/16 of Section 26 T49N R9W if Stand 71 is treated. Also need the 1/4 corner between sections 26 and 27 T49N R9W if Stand 61 is treated.

There is a possible cabin trespass in the NWSE of Section 26 that will need a formal survey to determine the extent of the trespass.

Recreational Facilities and Opportunities: Recreational opportunities include hunting, fishing, dog sledding, hiking, ORV and snowmobile riding, berry picking and wildlife/nature viewing. Most of the roads throughout the compartment are primarily used for all for the mentioned activities. The North County Pathway runs through the NE corner of the compartment. There are a few remote “unofficial” camping sites throughout the compartment primarily used during deer hunting season. There are a number of camps on private land that is adjacent to and within the compartment boundary.

Fire Protection: Pine mixed with grassy/brush marsh fuel types throughout this compartment have potential for large fire development. Mixture of marsh areas could be a challenge to suppression forces. There are a fair number of roads, but most are very difficult to navigate and will require extensive work to be used as fire lines or access.

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**

12/7/2007 3:08:15 PM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: 42

Table 3

(acres shown in boxes)

STAND AGE CLASS

| COVER TYPE | Not Coded | 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 | 150-159 | All Aged | Total |
|--------------|-------------|-----|-----------|-------|------------|-----------|-----------|-------|-----------|------------|------------|-----------|-----------|-----------|---------|---------|---------|-------------|-------------|
| Aspen | | | | | 33 | | | | | | | | | | | | | 3 | 36 |
| Black Spruce | | | | | | 30 | | | 9 | 88 | 20 | | | | | | | | 147 |
| Hemlock | | | | | | | | | | | | | | | | | | 129 | 129 |
| Jack Pine | | | | | 69 | | 10 | | | 3 | 2 | | | | | | | | 84 |
| Lowlnd Brush | 35 | | | | | | | | | | | | | | | | | | 35 |
| Marsh | 414 | | | | | | | | | | | | | | | | | | 414 |
| Mx Swmp Cnfr | | | | | | | 7 | | 8 | | 13 | 47 | | | | | | 3 | 78 |
| Oak | | | | | | | | | | | | | | | | | | 69 | 69 |
| Red Pine | | | | | | | | | | 91 | 694 | 15 | | | | | | 291 | 1091 |
| Tamarack | | | | | | | | | | 10 | | | | | | | | | 10 |
| Treed Bog | 1227 | | | | | | | | | | | | | | | | | | 1227 |
| Upland Hdwds | | | | | | | | | | | | | | | | | | 51 | 51 |
| Water | 136 | | | | | | | | | | | | | | | | | | 136 |
| White Pine | | | 12 | | | | | | | | 78 | 4 | 17 | 14 | | | | 548 | 673 |
| Total | 1812 | | 12 | | 102 | 30 | 17 | | 17 | 192 | 807 | 66 | 17 | 14 | | | | 1094 | 4180 |

12/7/2007 3:08:26 PM

Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: 42

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

| COVER TYPE | A | S | V | C | G | H | J | I | L | P | N | Q | X | O | B | R | K | Y | F | E | T | D | U | M | Z | W | Total |
|----------------|-----------|------------|---|---|---|------------|-----------|---|-----------|---|------------|-----------|---|-----------|-------------|---|---|---|---|---|-----------|-------------|---|-----------|------------|------------|-------------|
| A Aspen | 36 | | | | | | | | | | | | | | | | | | | | | | | | | | 36 |
| S Black Spruce | | 147 | | | | | | | | | | | | | | | | | | | | | | | | | 147 |
| H Hemlock | | | | | | 129 | | | | | | | | | | | | | | | | | | | | | 129 |
| J Jack Pine | | | | | | | 84 | | | | | | | | | | | | | | | | | | | | 84 |
| L Lowlnd Brush | | | | | | | | | 35 | | | | | | | | | | | | | | | | | | 35 |
| N Marsh | | | | | | | | | | | 414 | | | | | | | | | | | | | | | | 414 |
| Q Mx Swmp Cnfr | | | | | | | | | | | | 78 | | | | | | | | | | | | | | | 78 |
| O Oak | | | | | | | | | | | | | | 69 | | | | | | | | | | | | | 69 |
| R Red Pine | | | | | | | | | | | | | | | 1091 | | | | | | | | | | | | 1091 |
| T Tamarack | | | | | | | | | | | | | | | | | | | | | 10 | | | | | | 10 |
| D Treed Bog | | | | | | | | | | | | | | | | | | | | | | 1227 | | | | | 1227 |
| M Upland Hdwds | | | | | | | | | | | | | | | | | | | | | | | | 51 | | | 51 |
| Z Water | | | | | | | | | | | | | | | | | | | | | | | | | 136 | | 136 |
| W White Pine | | | | | | | | | | | | | | | | | | | | | | | | | | 673 | 673 |
| Total | 36 | 147 | | | | 129 | 84 | | 35 | | 414 | 78 | | 69 | 1091 | | | | | | 10 | 1227 | | 51 | 136 | 673 | 4180 |

LAKE SUPERIOR STATE FOREST

NEWBERRY FOREST MGT UNIT

LUCE COUNTY

COMPARTMENT: **42**

Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS

| COMPARTMENT SUMMARY | | | |
|-------------------------|-----------|-----------------------------|----------|
| TOTAL VOLUME | | CUT VOLUME | |
| Hardwood | 5543 Cds | Hardwood | 73 Cds |
| Hardwood | 319 Mbf | Softwood | 2365 Cds |
| Softwood | 16909 Cds | Softwood | 1258 Mbf |
| Softwood | 7279 Mbf | Sum CutVol | 4954 Cds |
| Sum TotVol | 37648 Cds | | |
| Total Cmpt Acres | | Acres Proposed For Cut..... | 583 |
| 4180 | | | |

NEWBERRY FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 42

Entry Year: 2009

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDf Status |
|--|------------|-------|-----|------------|------------|-----------|------------------|------------------|---------------|------------|
| 7 | R9 | 155 | 92 | 53 | red pine | mature | selection | 2 | | |
| <p>comnts Fmd : NE corner of stand was partially treated in 1992; T.Sale #029-91. The east side of stand (east of culhane grade) is level to rolling with more white pine overstory with a paper birch / red maple understory. The west side of stand has more sand ridges with red pine overstory and a WP/spruce understory. Some red pine in stand has utility pole quality. Low pockets with leatherleaf brush and grasses scattered throughout, dry now. Old logging roads through stand. If treated, some of the p.birch, aspen and red maple will have to be cut to improve maneuverability within the stand for logging to occur. Soil =Rubicon/Spot. 99=10,11,03,70.</p> <p>Wld : no skidding, driving or felling trees into low ground and leatherleaf areas. Buffer marsh stands. Retain stand diversity, leave a component of birch, maple saplings and understory spruce and any oak.</p> | | | | | | | | | | |
| 19 | R6 | 8 | 92 | 45 | red pine | mature | selection | 3 | | |
| <p>comnts Fmd : Most of the stand falls on the back of a ridge that is steep in places and would be difficult to entirely treat. If treated, mark areas of stand where operability can occur. Aspen/birch is overmature and deteriorating or dead. Some areas of stand are heavy to oak and birch.</p> <p>Wld : no skidding, driving, or felling into low ground or leatherleaf areas. Buffer marsh stands. Leave oak and a birch component.</p> | | | | | | | | | | |
| 20 | W9 | 34 | 97 | 50 | white pine | mature | selection | 2 | | |
| <p>comnts Fmd : Stand is mostly a mixed pine with some variability in BA's. Rolling upland sand ridges with low pockets. Jack pine is growing in low pockets with leatherleaf ground cover in these pockets. Red maple, white pine, b.fir, spruce reproduction in understory. Harvest any jack pine in stand if treated. In addition, some of the paper birch, red maple and aspen may have to cut to improve maneuverability for logging.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands. Retain stand diversity, leave oak, a birch component and maple and spruce understory.</p> | | | | | | | | | | |
| 26 | R9 | 14 | 87 | 53 | red pine | mature | selection | 3 | | |
| <p>comnts Fmd : Nice stand of red pine, utility pole quality. Topography is a rolling. If treated, some of the p.birch may have to be cut to improve maneuverability for logging occur. Soil=Rubicon/Spot.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands. Retain stand diversity by leaving oak, a component of birch and maple and spruce understory.</p> | | | | | | | | | | |
| 30 | R9 | 45 | 87 | 53 | red pine | two aged | shelterwood-prep | 3 | | |
| <p>comnts Fmd : Topography in stand is rolling w/low pockets scattered throughout. West half of stand was treated in 1980; T.Sale#18-74A. Birch/aspen in stand is overmature and dying out, some of which may have to be cut to improve maneuverability for logging to occur. Mixed bag of regen in understory; red maple, aspen, WP, RP, JP, spruce and fir. Some sawlog sized red pine has utility pole quality. 98=31,32,22 99=10,70,11,03 Soil=Rubicon/Spot complex.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer all marsh stands. Retain stand diversity by leaving oak, spruce understory, and dead standing birch and aspen.</p> | | | | | | | | | | |
| 32 | R9 | 38 | 92 | 53 | red pine | two aged | selection | 3 | | |
| <p>comnts Fmd : Stand was treated in 1980; T.sale#18-74A. Some red pine has utility pole quality, logging damage on several trees from past sale. Rolling topography in much of stand, steep in the south end where operability would be limited. If treated, some p.birch may have to be cut to improve maneuverability for logging. Soil=Rubicon/Spot.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands. Retain stand diversity by leaving oak, a component of birch and spruce and maple understory.</p> | | | | | | | | | | |
| 37 | R9 | 6 | 92 | 53 | red pine | mature | shelterwood-prep | 3 | | |
| <p>comnts Fmd : Would need to cross PVT land to treat stand. There currently an old road leading to stand.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands. Leave oak, a component of birch and any spruce.</p> | | | | | | | | | | |
| 58 | O6 | 13 | | 45 | oak | two aged | shelterwood-prep | 3 | | |
| <p>comnts Fmd : Stand mostly falls on the back of a ridge, steep on the south facing slope and would be difficult to operate in places. Treat areas where logging can occur. If treated, some p.birch, r.maple and any aspen may have to be cut to improve maneuverability for logging. 98=32,31.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands.</p> | | | | | | | | | | |
| 60 | O6 | 6 | | 45 | oak | two aged | shelterwood-prep | 3 | | |
| <p>comnts Fmd : Stand mostly falls on the back of a ridge, steep on the south facing slope and would be difficult to operate in places. Treat areas where logging can occur. If treated, some p.birch, red maple and aspen may have to be cut to improve maneuverability for logging. 98=32,31.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands.</p> | | | | | | | | | | |

NEWBERRY FOREST MGT UNIT

**Proposed Treatments
With NO Limiting Factors**

Compartment: 42

Entry Year: 2009

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDf Status |
|--|------------|-------|-----|------------|--------------------|-----------|------------------|------------------|---------------|------------|
| 61 | R9 | 125 | 92 | 49 | red pine | mature | shelterwood-prep | 2 | | |
| <p>comnts Fmd : Stand is quite variable with density. Utility pole red pine in places. Low pockets scattered throughout, rolling terrain with a mixed bag of species in places (east edge has a hardwood and hemlock component). Stand is adjacent to lowland types that seasonally dry up, dry now. If treated, may have to cut some hardwood/birch/aspen component to improve maneuverability for logging. 99=70,10,80. Soil=Rousseau/Spot.</p> <p>Wld : no skidding, driving , or felling in low ground areas. Buffer marsh stands. Retain stand diversity, leave a component of birch, oak and maple and spruce understory. Leave all hemlock.</p> | | | | | | | | | | |
| 71 | R9 | 22 | 92 | 49 | red pine | mature | selection | 2 | | |
| <p>comnts Fmd : Nice stand of quality red pine. Stand was treated in 1980; T.sale#17-77A. Utility pole quality. Rolling topography. Stand has an old logging road leading through it from PVT land to the east and north, would need permission to access, two gates on the road leading here.</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Buffer marsh stands. Leave a mix of species in the stand.</p> | | | | | | | | | | |
| 101 | R9 | 15 | 92 | 53 | red pine | mature | selection | 3 | | |
| <p>comnts Fmd : This stand is mostly on level ground with brushy/lab tea pockets as ground cover. Ground is seasonally wet. Steep topography to the south and east. If treated, may have to cut some of the aspen/paper birch and red maple to improve maneuverability for logging. 99=70,30,03,10,11</p> <p>Wld : no skidding, driving or felling into low ground or leatherleaf areas. Leave spruce for structural diversity, leave oak, a component of birch and wolffy maple.</p> | | | | | | | | | | |
| 103 | R9 | 16 | 92 | 49 | red pine | mature | selection | 2 | | |
| <p>comnts Fmd : Stand occurs along the back of a sand ridge that becomes very steep on the east and south sides. Some areas of stand would be inoperable to logging. Stand was partially treated in 81';T.Sale#19-78A. Recommend treatment again in areas that can be operated on. NC Pathway runs through stand and will have to be addressed. If treated, some of the p.birch and aspen may have to be cut to improve maneuverability for logging. 99=11,10,07,70</p> <p>Wld : leave oak, a component of birch and spruce.</p> | | | | | | | | | | |
| 104 | R9 | 25 | 92 | 49 | red pine | mature | selection | 2 | | |
| <p>comnts Fmd : Stand occurs along the back of a sand ridge that becomes very steep on the east and south sides. Some areas of stand may be inoperable to treat. Stand was partially treated in 81';T.Sale#19-78A. Recommend treatment again in areas that can be operated on. NC Pathway runs through stand and will have to be addressed. If treated, some of the aspen, p.birch will have to be cut to improve maneuverability. 99=11,10,70</p> <p>Wld : retain stand diversity, leave oak, a component of birch and spruce and maple understory</p> | | | | | | | | | | |
| 112 | R9 | 12 | 92 | 45 | red pine | mature | shelterwood-prep | 3 | | |
| <p>comnts Fmd : Decent red pine growing in lower, somewhat level ground. Leatherleaf and small shrubs as ground cover. Variable regen of spruce, balsam, white pine and red maple. Some blowdowns in here. Stand may be difficult to treat with steep topography and lowland types that surround. Best access would be from the south along an existing road that leads almost to the stand. Do not treat this stand if surrounding stands are not scheduled, it would not be worth the effort. If treated, may have to cut some p.birch to improve maneuverability for logging. Soil=Spot/Dawson.</p> <p>Wld : no skidding, driving or felling in low ground or leatherleaf areas. Retain stand diversity, leave a mix of all species and maple and spruce understory. Leave all oak.</p> | | | | | | | | | | |
| 113 | S5 | 5 | 87 | 40 | black spruce-swamp | mature | final harvest | 3 | | |
| <p>comnts Fmd : Stand is growing mostly in low ground. Stand has decent spruce on the west side where it is adjacent to a steep sand ridge and gets gets more suppressed on the east side against lower/wetter ground. South end of stand is more of a red pine/white pine/ spruce type. Schedule stand only if adjacent stand 104 is scheduled for treatment as well, it would not be worth the effort by itself. Soil=Spot/Dawson.</p> <p>Wld : buffer lower wetter ground, maximize species diversity but leaving a mix of all species.</p> | | | | | | | | | | |
| 134 | R9 | 4 | 87 | 49 | red pine | mature | selection | 2 | | |
| <p>comnts Fmd : Stand was treated in 1981; T.Sale#19-78A. Some utility pole quality red pine in stand. Regen of paper birch, aspen and pine present.</p> <p>Wld : no skidding , driving or felling into low ground or leatherleaf areas. Buffer marsh stands. Retain stand diversity by leaving a mix of all species present, and leaving spruce for structural diversity.</p> | | | | | | | | | | |
| 227 | R9 | 23 | 92 | 46 | red pine | mature | shelterwood-prep | 2 | | |
| <p>comnts Fmd : Stand is variable, some utility pole red pine in places. Low pockets scattered throughout, dry now. Treat stand to promote regen.</p> <p>Wld : no skidding, driving, or felling into low ground or leatherleaf areas. Buffer marsh stands. Leave oak, ba component of irth and spruce where it occurs.</p> | | | | | | | | | | |

Total Acres..... 566

NEWBERRY FOREST MGT UNIT

**Proposed Treatments
With Limiting Factors**

Compartment: 42

Entry Year: 2009

| Stand | Cover Type | Acres | Age | Site Index | Mgt Obj | Condition | Method Cut | Harvest Priority | Cultural Need | FDF Status |
|------------|------------|-------|-----|------------|----------|-----------|------------------|------------------|---------------|------------|
| 107 | R9 | 2 | 87 | 53 | red pine | mature | shelterwood-prep | 3 | | |

TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

comnts Fmd : A nice natural pine stand with little understory. Treat stand with adjacent stand 53 of compartment 45 if that is treated as scheduled. This is part of that stand and the access to it is from that way.

Wld : no skidding, driving, or felling into low ground or leatherleaf areas. Buffer marsh stands. Leave a mix of species present.

| | | | | | | | | | | |
|------------|-----------|----|----|----|----------|--------|------------------|---|--|--|
| 111 | R9 | 15 | 92 | 59 | red pine | mature | shelterwood-prep | 3 | | |
|------------|-----------|----|----|----|----------|--------|------------------|---|--|--|

TREATMENT LIMITING FACTORS: Delayed treatment for age/size class diversity

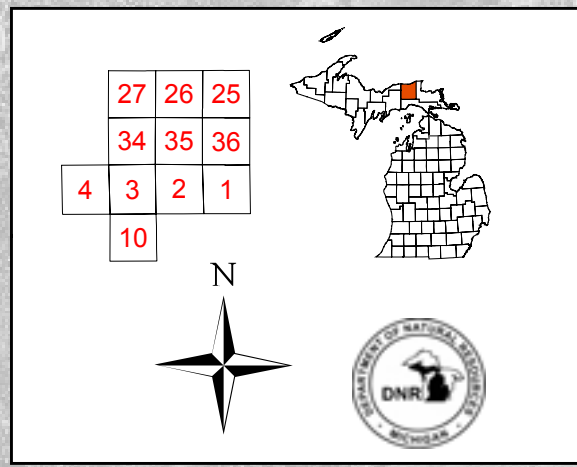
comnts Fmd : RP/WP stand that is on a transition from a hardwood type to a lowland type. Stand sits on subtile sand ridges and lower level ground that can be seasonally wet. Pine has nice quality, some RP is utility pole quality. Most of stand has been treated in the past. The north part was treated in 1980;Tsale#20-77A and the south part was treated in 2000; T.Sale#003-00. 98=22,39 99,03,07,10. Soil=Wallace/Spot complex. The stand runs over into compartment 45 (Stand 60 in that compartment). Treat stand when that stand is treated, it is the best access.

Wld : no skidding, driving, or felling in low ground or leatherleaf areas. Buffer marsh stands. Leave a mix of all species present

Total Acres..... 17

Compartment 042
 T48N, R09W, Sec. 1-4, 10
 T49N, R09W, Sec. 25-27, 34-36
 County: Luce
 Unit: Newberry
 YOE: 2009
 Acres: 4,180 GIS Calculated
 Stand Examiner: Keith Magnusson
 Map Revised: 12/06/2007
 Map Phase: Pre-Review

Field Map



- Legend**
- ◆ RLS Corners
 - Miris Corners
 - Gravel Roads
 - - - Poor Dirt Roads
 - ⋯ Closed Roads
 - ⋯ Trails
 - Swamp Lake ERA
 - ⊡ Camps
 - ⊗ Gates
 - ⊠ Hiking Trails
 - Stand Boundary
 - ▨ Special Conservation Areas
 - ▨ 100 - Final Harvest
 - ▨ 700 - Shelterwood-prep
 - ▨ 800 - Selection

