



Sault Forest Management Unit
Compartment Review Presentation
Compartment #152 **Entry Year: 2012**
Compartment Acreage: 1,819 **County: Mackinac**

Revision Date: August 6, 2010

Stand Examiner: Karen Rodock

Legal Description: T 44 N R 7 W Sections 7 & 18; T 44 N R 8 W Section 12 Hendricks Township

Identified Planning Goals ('Management Area' or 'RMU', if applicable): Sage Truck Trail

Management Goals: The compartment is three and one half miles north of Rexton along the Dinkey Line with the Hendrie River Road, Norton Camp Road and Giddings Truck Trail going through the compartment. The West Branch of the Hendrie River flows through the east side of the compartment. The compartment is in the Sage Truck Trail Management Area. Mixed stands are common within the compartment from lowland conifer, marsh and brush to aspen, northern hardwood, white pine, red pine and grassy openings. The compartment had some harvesting activities within the aspen, red pine and northern hardwood types this past decade. Two stands are under contract for harvesting under the Red Pine Project Phase 2 process and will be planted to red pine. This red pine harvest will increase the age class diversity of the red pine within the general area. One of the younger red pine stands is scheduled for insect and disease monitoring. The openings are all filling in with cherry, aspen and conifers which are in need of maintenance. Two portions of the large hardwood stand will be prescribed for selection harvest this decade to break up the harvesting in this compartment. The hardwood stands in the south east portion of the compartment are factor limited because of access and should be treated with the adjacent compartments.

Soil and Topography: The primary soils are Wallace sand, Paquin sand, Pullup sand, Paquin-Spot complex on the more upland sites. On the lowland and transition areas have Markey-Spot-Finch complex, Markey and Carbondale Muck, and Dawson and Loxley peats soils. The terrain is mostly level with a few small ridge areas. There is not much difference in the topography except along the river and drainages.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Sections 7 and 18 are completely state ownership and most of section 12 is state ownership with 120 acres of private land. The state owns the surrounding sections to the north, west, and east. There are private 80's that abut sections 12 and 18.

Unique, Natural Features: West Branch of Hendrie River flows through the east portion of compartment. Fibron Quarry is adjacent to the compartment. There is a potential for rare, threatened or endangered plant and animal species and natural communities within this compartment.

Archeological, Historical, and Cultural Features: One of the grassy openings had past comments of an old logging camp site being present in the stand.

Special Management Designations or Considerations: BMP guidelines will be adhered to along the West Branch of the Hendrie River and the small streams and wetlands of the compartment.

Watershed and Fisheries Considerations: Fisheries Values, Marginal. The Hendrie River on the east side of Section 7 is classified Type 1. It should be protected for the natural trout it supports. All cutting should be designed to minimize the area's desirability to beaver, such as possibly cutting to convert the stream corridor to coniferous species. In Section 18, however, the Hendrie is NOT a designated trout stream.

Wildlife Habitat Considerations: This compartment is dominated by sandy soils in uplands and mucky soils in lowland areas. The West Branch of the Hendrie River flows easterly across the southern end of the compartment and also touching into the northeastern part of it. Northern hardwoods dominate the northeastern part, while the northwestern portion contains a mix of red pine and aspen/hardwood mix. The southern portion contains the riparian area of the river including habitat ranging from open water areas to scrub/shrub. Pockets of cedar, and mixed aspen and hardwoods are also present. Hardwood stands have been thinned in the past, creating age class and structural diversity within stands and increasing the browse and cover near the forest floor. Management will continue to promote diversity within hardwood stands across the compartment by selectively harvesting some areas while leaving other areas until a future rotation. Hemlock and cedar will be left where present, conifers will be maintained in hardwood stands where poorly represented, some wolfy trees will be left for nesting trees, and a beech component will be maintained where present. Wetlands will be buffered to protect these systems, particularly those along the river. The river and riparian area will be protected to provide habitat for beaver and wood ducks. Other species benefitting from this management include white-tailed deer, black bear, coyote, wolf, ruffed grouse, pileated woodpecker, and spring peeper.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group subcrops below the glacial drift. The Burnt Bluff is quarried for stone/limestone two miles to the east (Fiborn quarry). The nearest gravel pit is two and one-half miles to the southwest. There may be some gravel potential in the compartment. There is no economic oil and gas production in the UP, currently.

Vehicle Access: The compartment has the Dinkey Line, a county road and Hendrie River Road, Norton Camp Road and Giddings Truck Trail, all state forest roads, as main points of access. Some small woods roads are found with little use and some filling in completely. The trail road heading northwest off the Dinkey Line in section 12 has been blocked, but has been reopened by 4 wheelers and needs to be rebermed to limit the vehicle access. The road has an old wood box culvert still operating.

Survey Needs: None need this YOE.

Recreational Facilities and Opportunities: No recreational facilities are present in this compartment. Most recreational activities are hunting, trapping and sightseeing.

Fire Protection: The red pine plantations in section 12 pose a moderate danger for fire activity with wet areas, hardwood and aspen stands surrounding except for to the north of the plantations limiting the danger. A fuel break is maintained on the north side of the plantation. The other portions of the compartment have a limited fire potential.

Additional Compartment Information: Stands 5 and 6 are presently under timber sale contract for the red pine project.

➤ **The following reports from the Inventory are attached:**

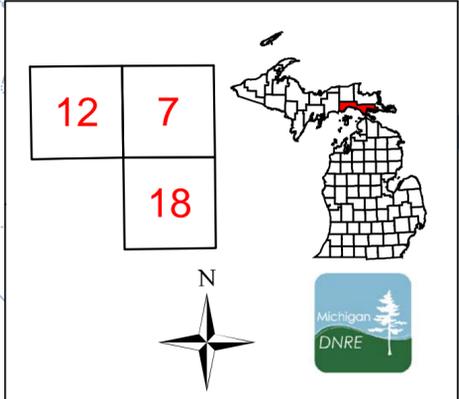
- ◆ **Total Acres by Cover Type and Age Class**
- ◆ **Proposed Treatment Summary**
- ◆ **Proposed Treatments – No Limiting Factors**

- ◆ **Proposed Treatments – With Limiting Factors**
 - ◆ **Stand Details (Forested and Nonforested)**
 - ◆ **Dedicated and Proposed Special Conservation Areas**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
- ◆ **Base feature information, stand boundaries, cover types, and numbers**
 - ◆ **Proposed treatments**
 - ◆ **Details on the road access system**

Cover Type & Treatment Map

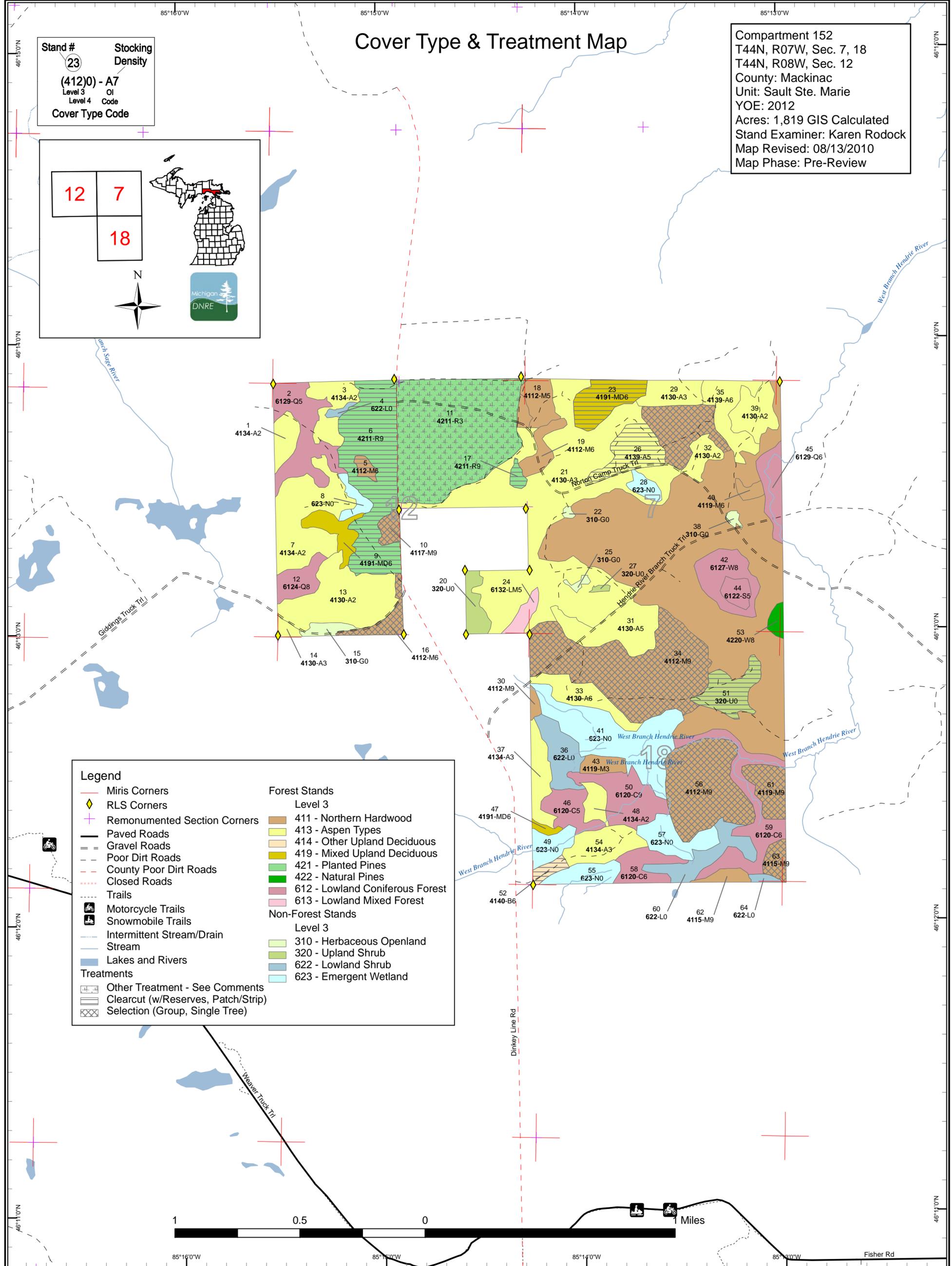
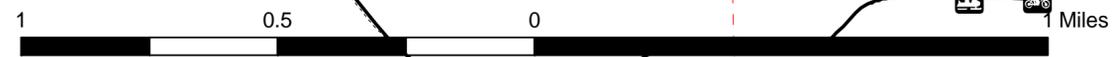
Compartment 152
 T44N, R07W, Sec. 7, 18
 T44N, R08W, Sec. 12
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2012
 Acres: 1,819 GIS Calculated
 Stand Examiner: Karen Rodock
 Map Revised: 08/13/2010
 Map Phase: Pre-Review

Stand #
 (4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code



Legend

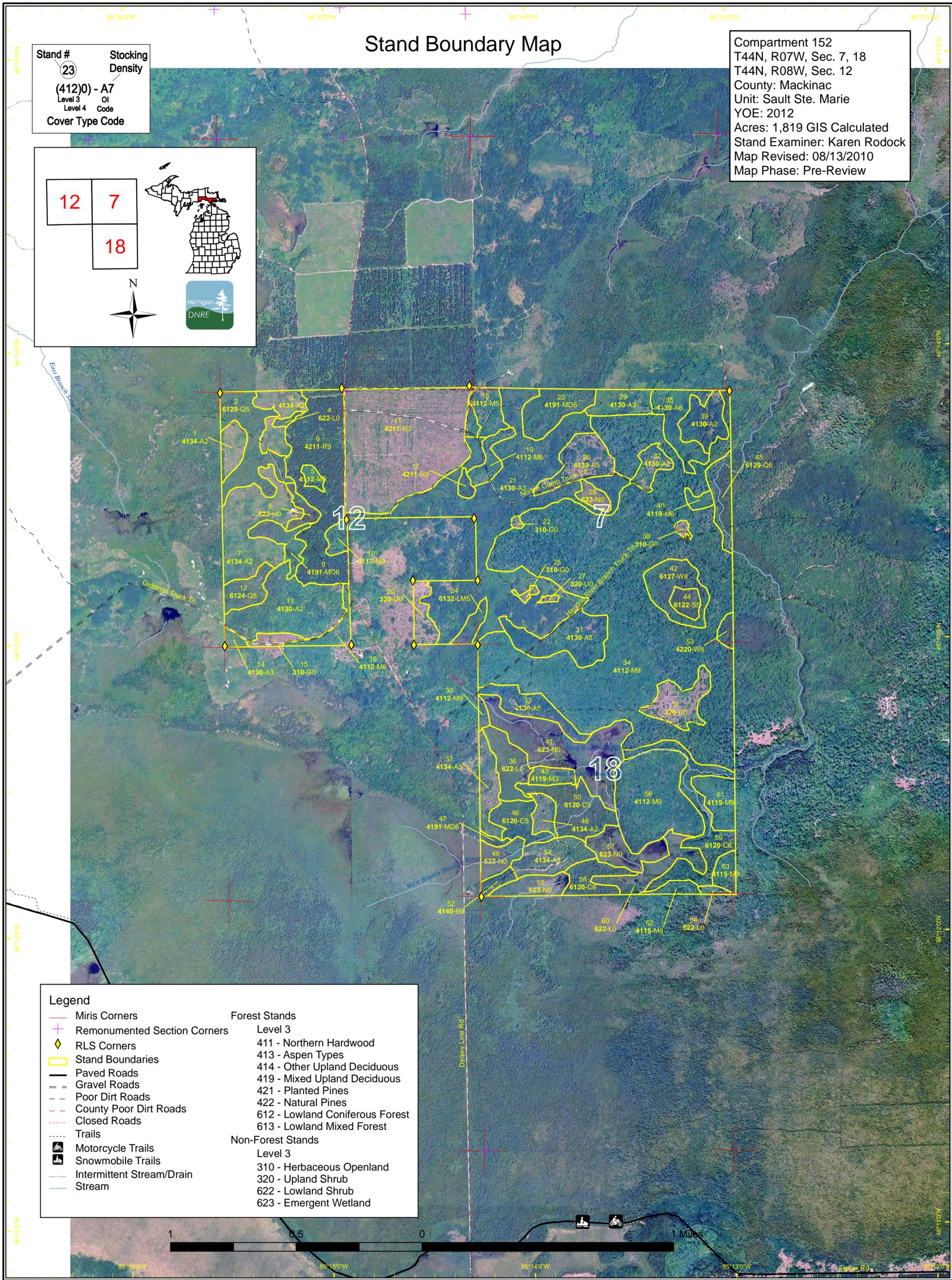
— Miris Corners	◆ RLS Corners	+	— Paved Roads	— Gravel Roads	— Poor Dirt Roads	— County Poor Dirt Roads	— Closed Roads	— Trails	— Motorcycle Trails	— Snowmobile Trails	— Intermittent Stream/Drain	— Stream	— Lakes and Rivers		
— Forest Stands	— Level 3	— 411 - Northern Hardwood	— 413 - Aspen Types	— 414 - Other Upland Deciduous	— 419 - Mixed Upland Deciduous	— 421 - Planted Pines	— 422 - Natural Pines	— 612 - Lowland Coniferous Forest	— 613 - Lowland Mixed Forest	— Non-Forest Stands	— Level 3	— 310 - Herbaceous Openland	— 320 - Upland Shrub	— 622 - Lowland Shrub	— 623 - Emergent Wetland
— Treatments	— Other Treatment - See Comments	— Clearcut (w/Reserves, Patch/Strip)	— Selection (Group, Single Tree)												



Stand Boundary Map

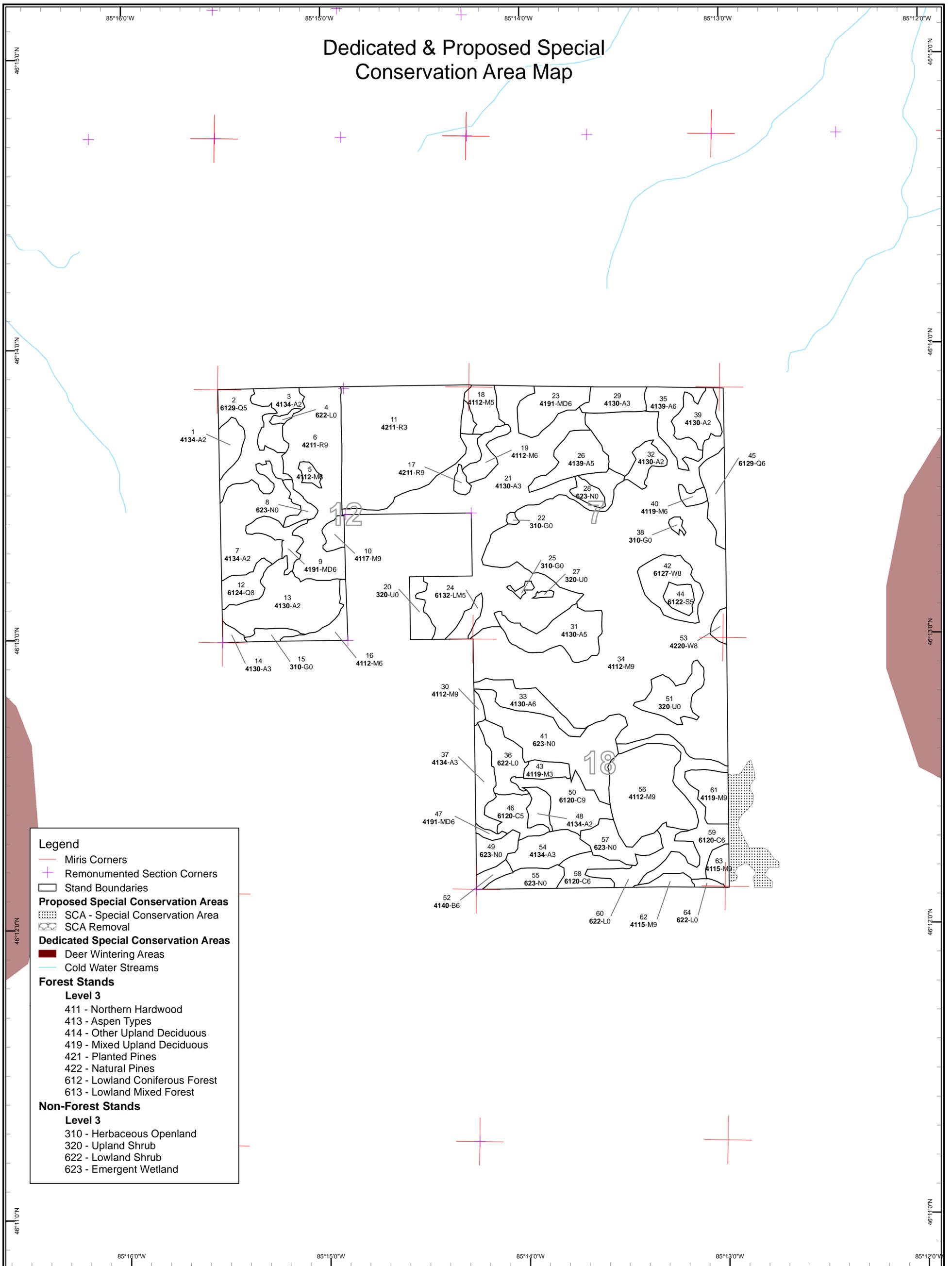
Stand #
23
 Stocking
 Density
(4120) - A7
 Level 3 OI
 Level 4 Code
 Cover Type Code

Compartment 152
 T44N, R07W, Sec. 7, 18
 T44N, R08W, Sec. 12
 County: Mackinac
 Unit: Sault Ste. Marie
 YOE: 2012
 Acres: 1,819 GIS Calculated
 Stand Examiner: Karen Rodock
 Map Revised: 08/13/2010
 Map Phase: Pre-Review



Legend	
—+—	Miris Corners
—+—	Remunented Section Corners
◆	RLS Corners
—	Stand Boundaries
—	Paved Roads
—	Gravel Roads
—	Poor Dirt Roads
—	County Poor Dirt Roads
—	Closed Roads
—	Trails
—	Motorcycle Trails
—	Snowmobile Trails
—	Intermittent Stream/Drain
—	Stream
	Forest Stands
	Level 3
	411 - Northern Hardwood
	413 - Aspen Types
	414 - Other Upland Deciduous
	419 - Mixed Upland Deciduous
	421 - Planted Pines
	422 - Natural Pines
	612 - Lowland Coniferous Forest
	613 - Lowland Mixed Forest
	Non-Forest Stands
	Level 3
	310 - Herbaceous Openland
	320 - Upland Shrub
	622 - Lowland Shrub
	623 - Emergent Wetland

Dedicated & Proposed Special Conservation Area Map



Legend

- Miris Corners
- ⊕ Remonumented Section Corners
- Stand Boundaries
- Proposed Special Conservation Areas**
- ▨ SCA - Special Conservation Area
- ▩ SCA Removal
- Dedicated Special Conservation Areas**
- Deer Wintering Areas
- Cold Water Streams
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
- 413 - Aspen Types
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- Non-Forest Stands**
- Level 3**
- 310 - Herbaceous Openland
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- 623 - Emergent Wetland

Table 1 – Total Acres by Cover Type and Age Class

Data updated before 2:00 PM



	Age Class														Total	
	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	0	73	332	65	24	33	0	0	0	0	0	0	0	0	0	527
Cedar	0	0	0	0	0	0	0	0	15	69	17	0	0	0	0	101
Herbaceous Openland	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Lowland Conifers	0	0	0	0	0	0	0	13	37	0	0	0	40	0	0	90
Lowland Mixed Forest	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Lowland Shrub	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Lowland Spruce/Fir	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Marsh	120	0	0	0	0	0	0	0	0	0	0	0	0	0	0	120
Mixed Upland Deciduous	0	0	0	13	0	0	2	23	0	0	0	0	0	0	0	39
Northern Hardwood	0	0	8	4	0	0	28	79	0	37	0	457	0	0	0	613
Paper Birch	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Red Pine	0	0	133	0	0	0	0	85	0	0	0	0	0	0	0	218
Upland Shrub	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0	4
Total	209	73	472	69	37	33	0	49	201	52	106	17	457	44	0	1819



Sault Ste. Marie Mgt. Unit
Year of Entry 2012

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Compartment 152
Total Compartment Acres: 1819

Acres by Treatment Type

Commercial Harvest - 411	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 133
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	24	0	0	0	0	0	24
Mixed Upland Deciduous	23	0	0	0	0	0	23
Northern Hardwood	4	248	0	0	0	0	252
Paper Birch	5	0	0	0	0	0	5
Red Pine	85	0	0	0	0	0	85
Upland Shrub	21	0	0	0	0	0	21
Total	162	248	0	0	0	0	411



Data updated before 2:00 PM

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5 45152005-Cut	3.6	4112 - Maple, Beech, Cherry Association	High Density Pole	69	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
<u>Prescription Specs:</u> Clearcut stand with no retention of live trees. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management.								
<u>Other Comments:</u> Agreed to harvest and plant to red pine at the Red Pine Project review. Under contract on Missing Corner Pine RPP 45-114-09-01. The stand is to be chipped.								
<u>Next Steps:</u> After harvest treatment is completed, the stand will have trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.								
6 45152006-Cut	82.0	42110 - Planted Red Pine	High Density Log	73	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
<u>Prescription Specs:</u> Clearcut stand with no retention of live trees. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management.								
<u>Other Comments:</u> Agreed to harvest and plant to red pine at the Red Pine Project review. Under contract on Missing Corner Pine RPP 45-114-09-01. The stand is to be chipped.								
<u>Next Steps:</u> After harvest treatment is completed, the stand will have trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.								
10 45152010-Cut	6.2	4117 - Mixed N. Hardwood - Pine	High Density Log	73	Harvest	Single Tree Selection	S.Maple, Hard Mast Association	Cmpt. Review Proposal
<u>Prescription Specs:</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present.								
<u>Other Comments:</u>								
<u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow birch, basswood, aspen and ironwood.								
16 45152016-Cut	10.2	4112 - Maple, Beech, Cherry Association	High Density Pole	93	Harvest	Single Tree Selection	Sugar Maple Association	Cmpt. Review Proposal
<u>Prescription Specs:</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood and all juneberry and conifer should be left. Mark to enhance trees for possible tribal maple sap collection.								
<u>Other Comments:</u> Under FTP - C44-579 for tapping maple for tribal sap collection.								
<u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.								
17 45152017-Cut	3.2	42110 - Planted Red Pine	High Density Log	73	Harvest	Clearcut	Planted Red Pine	Cmpt. Review Proposal
<u>Prescription Specs:</u> Clearcut stand with no retention of live trees. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management.								
<u>Other Comments:</u> Being put up with the 2010 YOE. Will be under contract.								
<u>Next Steps:</u> After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.								



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23	45152023-Cut	23.3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	78	Harvest	Clearcut with Reserves	Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more except leave all hemlock and cedar. The wetter areas around the edge of the stand can be left for retention. Some paper birch and aspen where present can be left along the wetter area edge. Leave a few scattered mature trees in the stand representative of the current species mix.</p> <p><u>Specs:</u></p> <p><u>Other</u> Small ridges with mortality to birch, aspen and conifers.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, cedar and white pine.</p>									
26	45152026-Cut	23.8	4139 - Aspen, Mixed Deciduous	Medium Density Pole	31	Harvest	Clearcut with Reserves	Warm Season Grass	Cmpt. Review Proposal
<p><u>Prescription</u> Harvest and chip the site to recreate the opening. The area in the south west part will have trees retained. Some scattered trees may be retained.</p> <p><u>Specs:</u></p> <p><u>Other</u></p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.</p>									
34	45152034_nor th-Cut	31.7	4112 - Maple, Beech, Cherry Association	High Density Log	115	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Leave all hemlock, some cherry and birch and some conifers where only scattered in the stand. Leave any super-canopy white pine and some large wolfy trees.</p> <p><u>Specs:</u></p> <p><u>Other</u> This portion was select cut in 1998 on Norton Camp Hardwood.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.</p>									
34	45152034_sou th-Cut	111.2	4112 - Maple, Beech, Cherry Association	High Density Log	115	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Leave all hemlock, some cherry and birch and some conifers where only scattered in the stand. Leave any super-canopy white pine and some large wolfy trees.</p> <p><u>Specs:</u></p> <p><u>Other</u> Last selection harvest was in 1982-1984.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.</p>									
52	45152052-Cut	4.9	4140 - Other Upland Deciduous	High Density Pole	65	Harvest	Clearcut with Reserves	Birch, Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Cut all deciduous 2" or more and conifer 4" or more except leave some paper birch, aspen and white pine for retention and along the edge..</p> <p><u>Specs:</u></p> <p><u>Other</u> Mortality to the birch, aspen and balsam fir.</p> <p><u>Comments:</u></p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, balsam fir, white spruce and white pine.</p>									



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	NF_45152051-Cut	21.4	Non-Forested		0	Harvest	Clearcut with Reserves	Warm Season Grass	Cmpt. Review Proposal

Prescription: The openings had filled in trees. A commercial harvest was prescribed to clear the area. A few trees may be retained and will not be harvested.
Specs:

Other Comments: Good opening with a little tree cover.

Next Steps: Check stand after harvest to see if follow-up treatment is necessary to maintain the opening.

11	45152011-Other	132.5	42110 - Planted Red Pine	High Density Sapling	14	Other	Unspecified	Planted Red Pine	Cmpt. Review Proposal
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Prescription: Monitor for RHPS or other pests within the stand.
Specs:

Other Comments: Stand was prescribed burned, trenched and hand planted in 1995 and 1996. Some release has been done within the stand.

Next Steps: Monitor for RHPS and if monitoring shows that treatment is recommended, then spray when/if necessary with appropriate insecticide recommended by Forest Health Specialist/TMS.

Total Treatment Acreage Proposed: 454.2



Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
56	45152056-Cut	64.5	4112 - Maple, Beech, Cherry Association	High Density Log	75	Harvest	Single Tree Selection	Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood if present and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Open up the drip line of the hemlock. Follow BMP guidelines along the stream and wetland areas.</p> <p><u>Other Comment:</u> Need to put road and 2 bridges from the east across west branch of Hendrie River and another stream to access the stand. Should be cut with stands 61 and 63. Care must be taken to prevent erosion and problems from the bridge and road placements on and around the trout streams.</p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow birch, balsam fir, spruce, aspen and hemlock.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2D: Road needed Need a road and two bridges to access this stand.</p>									
61	45152061-Cut	16.8	4119 - Mixed Northern Hardwoods	High Density Log	68	Harvest	Single Tree Selection	Mixed Northern Hardwoods	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood if present and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Open up the drip line of the hemlock. Follow BMP guidelines along the stream and wetland edges.</p> <p><u>Other Comment:</u> Need to put road and bridge from the east across west branch of Hendrie River to access the stand. Should be cut with stands 56 and 63. Care must be taken to prevent erosion and problems from the bridge and road placements on and around the trout streams.</p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow birch, balsam fir, spruce, aspen and hemlock.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2D: Road needed Road needed from the east to access across West Branch of Hendrie River.</p>									
63	45152063-Cut	7.7	4115 - Y.Birch, Hemlock NH	High Density Log	68	Harvest	Single Tree Selection	Y.Birch, Hemlock NH	Cmpt. Review Proposal
<p><u>Prescription Specs:</u> Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some ironwood if present and all juneberry and conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Open up the drip line of the hemlock.</p> <p><u>Other Comment:</u> Need to put road and bridge from the east across west branch of Hendrie River to access the stand. Should be cut with stands 56 and 61. Care must be taken to prevent erosion and problems from the bridge and road placements on and around the trout streams.</p> <p><u>Next Steps:</u> Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, paper and yellow birch, balsam fir, spruce, aspen and hemlock.</p> <p><u>Limiting Factor and No Treatment Reason</u> 2D: Road needed Need road and bridge to cross the West Branch of Hendrie River.</p>									

Total Treatment Acreage Proposed: 89.0



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4134 - Aspen, Spruce/Fir	Medium Density	10.9	13		Cut on Dinkey Monster Sale. Areas are open. deer browse heavy in areas.
2	6129 - Mixed Coniferous Lowland Forest	Medium Density Pole	36.7	84		Mixed lowland with More cedar Fir and spruce. Mortality occurring and poor quality.
3	4134 - Aspen, Spruce/Fir	Medium Density	18.5	13		Some open areas with more spruce and fir. Good areas of aspen 5 to 15' tall. Few open areas.
5	4112 - Maple, Beech, Cherry Association	High Density Pole	3.6	69	81-110	On proposal - Missing Corner Pine RPP sale. Stand is to be cut and planted to red pine.
6	42110 - Planted Red Pine	High Density Log	82.0	73		On timber Sale proposal Missing corner sale. will be chipped and replanted to red pine.
7	4134 - Aspen, Spruce/Fir	Medium Density	52.0	13		Open areas with more Spruce and fir wet in areas.
9	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	12.9	35		Mixed stand with maple, aspen, fir, cedar, few WP & ash and balm. Left from being cut on previous YOE. Mix of upland and lowland.
10	4117 - Mixed N. Hardwood - Pine	High Density Log	6.2	73	111-140	Hardwood and red pine stand. Some nice maple. Select cut end leave some pine. Browse of regeneration present.
11	42110 - Planted Red Pine	High Density Sapling	132.5	14		Bay city Pine sale was burned and replanted to red pine Some lower areas with aspen and cherry Pine looks good.
12	6124 - Lowland Spruce- Fir	Medium Density Log	13.4	74		Lowland stand with wet areas and openings. Some nice white pine on higher areas,
13	4130 - Aspen	Medium Density	54.4	3		New stand added. Dinkey Clean up Sale was chipped in 2007.
14	4130 - Aspen	High Density Sapling	3.1	13		Part of Green Hornet Sale. Good regeneration of aspen mostly 10 - 20' tall
16	4112 - Maple, Beech, Cherry Association	High Density Pole	10.2	93	111-140	Part of Tribal sap area. Almost a log stand. Should be treated. Has some open areas.
17	42110 - Planted Red Pine	High Density Log	3.2	73	111-140	Failed plantation. Some JP, WP and more hardwood then few years ago. Prescribed for treatment.
18	4112 - Maple, Beech, Cherry Association	Medium Density Pole	13.2	95	81-110	Some nice Maple clumps. Opening which has been filling in,
19	4112 - Maple, Beech, Cherry Association	High Density Pole	13.6	95	81-110	Thinned in '97 Maybe Thin but can wait

S t a n d	Sault Ste. Marie Mgt. Unit		5 – Forested Stands			Compartment: 152	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2012	
							General Comments:
21	4130 - Aspen	High Density Sapling	197.4	15			Upland and lowland in areas. Few tag alder low areas. Mackinac Mix stand with heavier aspen areas. Nice aspen.
23	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	23.3	78			140 BA ave. Mix of upland and lowland around the edges. More conifer in low areas.
24	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	6.6	65			Stand has deteriorated with mortality to balm and cedar, Heavy understory and is wet at most times Very low quality and limited volume.
26	4139 - Aspen, Mixed Deciduous	Medium Density Pole	23.8	31			Opening which has filled in. Clumpy and patchy. Few white pine and some hazel present.
29	4130 - Aspen	High Density Sapling	15.2	16			Nice regen. 20 to 30' tall some nice birch regen. Few open areas.
30	4112 - Maple, Beech, Cherry Association	High Density Log	2.6	75	81-110		Part of stand thinned with compartment 151 stand 47. Grades into the lowland stands.
31	4130 - Aspen	Medium Density Pole	33.5	43			Very mixed stand of different age classes and species. Old chopper's choice cut. Some areas of more hardwood. Very thick understory.
32	4130 - Aspen	Medium Density	10.0	14			3 to 20' tall Some open areas with deer camp site. Some browse areas even the cherry.
33	4130 - Aspen	High Density Pole	19.4	27			Nicely regenerated stand. Just over into pole class. Mix of aspen and hardwood, Few balsam and spruce mixed in.
34	4112 - Maple, Beech, Cherry Association	High Density Log	457.4	115	111-140		part of stand thinned in 1982, 1998 and 2004.
35	4139 - Aspen, Mixed Deciduous	High Density Pole	23.0	26			Mixed type some aspen and hardwood. Cut in 1984.
37	4134 - Aspen, Spruce/Fir	High Density Sapling	16.4	16			3 tubes sale cut in 1994 Some good regen 10 - 30' tall. Few open areas.
39	4130 - Aspen	Medium Density	18.9	2			Cut in 2008 on September Rain Sale. Good regen of 3 - 5' tall.
40	4119 - Mixed Northern Hardwoods	High Density Pole	4.0	26			Cut in 1984. Mix of maple, aspen, cherry and fir.
42	6127 - Lowland Pine	Medium Density Log	23.6	122	81-110		Small ridges but mostly lowland. Leave.
43	4119 - Mixed Northern Hardwoods	High Density Sapling	7.5	16			Mostly red maple and cherry regeneration of 5 to 15' tall. Nice thick regen.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	6122 - Black Spruce	Medium Density Pole	7.3	65		Black spruce bog that has filled in . Very wet most years.
45	6129 - Mixed Coniferous Lowland Forest	High Density Pole	16.4	127		Hendrie River flows thru Stand. Buffer for stream. Nice cedar and Spruce stand. few Henlock and Tamarack. old bridge site in stand steep going down to River.
46	6120 - Lowland Cedar	Medium Density Pole	16.5	107		Open in areas with drainage within the stand, Mixed size class cedar and paper birch. Stand was cut long ago found old stumps.
47	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	2.3	65		Stand is on a very steep ridge above the bog. Part of the stand to the west was cut on Swarming Mix sale. Mixed species stand.
48	4134 - Aspen, Spruce/Fir	Medium Density	8.2	16		Cut in 1994. Mix of upland and lowland areas. Few large white pine left. Some open areas with mostly spruce and fir.
50	6120 - Lowland Cedar	High Density Log	29.9	92		Mixed lowland stand with water flowing through stand in areas. Some mortality occurring.
52	4140 - Other Upland Deciduous	High Density Pole	4.9	65		Nice birch ridge with some balsam and heavy balsam regeneration.
53	42200 - Natural White Pine	Medium Density Log	4.3	122	51-80	White Pine and Hemlock stand which is open in areas,
54	4134 - Aspen, Spruce/Fir	High Density Sapling	22.3	26		Cut in 1984. Very mixed stand with few open areas. Ridge and swale with some cedar regeneration.
56	4112 - Maple, Beech, Cherry Association	High Density Log	64.5	75	141-170	Stand is very difficult to access as will need 2 portable bridges to access from the east side. Overmature red maple stand with mortality.
58	6120 - Lowland Cedar	High Density Pole	15.4	85		Very wet stand with stream running through it. More cedar than anything else.
59	6120 - Lowland Cedar	High Density Pole	38.9	98		Buffer stand for a trib of the Hendrie River. Mixed cedar - Q stand .
61	4119 - Mixed Northern Hardwoods	High Density Log	16.8	68	111-140	Part of stand 43 in compartment 133. Access is difficult across the Hendrie River. Need portable bridge. Stand 43 in compartment 133 is a SCA nominated for unique site.
62	4115 - Y.Birch, Hemlock NH	High Density Log	5.5	74	141-170	If shelterwood or select cut harvest would have to go with adjacent stands in this compartment and adjacent compartments. Difficult to access the stand.
63	4115 - Y.Birch, Hemlock NH	High Density Log	7.7	68	111-140	Will need portable bridge for access into the stands. part of stand 43 in compartment 133. Should select cut with the rest of the stands if the SCA designation is taken off stand 43 in compartment 133.



Stand	Cover Type	Acres	Gen Cmts:
4	622 - Lowland Shrub	2.0	
8	623 - Emergent Wetland	6.4	
15	310 - Herbaceous Openland	5.4	
20	320 - Upland Shrub	10.9	
22	310 - Herbaceous Openland	1.1	
25	310 - Herbaceous Openland	1.7	
27	320 - Upland Shrub	1.1	
28	623 - Emergent Wetland	6.0	
36	622 - Lowland Shrub	19.9	
38	310 - Herbaceous Openland	1.9	
41	623 - Emergent Wetland	62.6	
49	623 - Emergent Wetland	11.9	
51	320 - Upland Shrub	21.4	
55	623 - Emergent Wetland	13.2	
57	623 - Emergent Wetland	19.7	
60	622 - Lowland Shrub	21.0	
64	622 - Lowland Shrub	2.2	



7 – 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.

Data updated before 2:00 PM

Stand	SCA Type	SCA Name	Acres	Comments
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8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

Data updated before 2:00 PM

ERA = Ecological Reference Area
HCVA = High Conservation Value Area
SCA = Special Conservation Area

Conservation Area	Type	Description
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