



**Gwinn Forest Management Unit
Compartment Review Presentation
Compartment 103 Entry Year: 2013
Compartment Acreage: 1, 685 County: Alger**

Revision Date: 08/18/2011

Stand Examiner: Theresa Sysol

Legal Description: T45N R22W Section 5, 8, 17

RMU (if applicable): Chatham/AuTrain Moraines Management Area

Management Goals: To maintain and enhance biological diversity, forest health and sustainability, while providing for wildlife, fisheries and recreational needs.

Soil and Topography: McMaster-Davies Complex around creek corridors with Carbondale-Lupton-Tawas muck lowlands and Shoepac-Ensley, Shoepac-Trenary, Chatham fine sand loams on uplands.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Mainly State ownership with scattered private lands adjacent.

Unique, Natural Features: Potential for round-leaved orchis, calypso, ram's head lady's slipper, marsh grass-of-Parnassas, and limestone oak fern in Cedar Swamps. Potential for Assiniboia sedge and goblin moonwort in mature northern hardwoods. Potential for osprey, eagle, and great blue heron rookery. Potential for red-shouldered hawk, goshawk, and cerulean warbler. Potential for moose and wolf. Potential for wood turtle along West Branch Whitefish River and McMaster Creek.

Archeological, Historical, and Cultural Features: none identified

Special Management Designations or Considerations:

Watershed and Fisheries Considerations: W. Branch Whitefish River, Dorsey Creek, McMasters Creek all flow through compartment.

Wildlife Habitat Considerations: Identify and implement methods that increase mesic conifer in hardwood stands. An associate tree species located in this area is American Beech and the advent of Beech Bark Disease (BBD) is a serious issue threatening this resource. Strive to identify BBD resistant beech trees and use methods that enhance hard mast sources in the future for wildlife. Hunting is popular in this area for deer, bear, and upland birds. Within Special Conservation Areas along wildlife corridors, creeks and tributaries, maintain large closed canopy conifer to provide snow intercept and cover, mature forest structure and protection for wildlife corridors and riparian areas.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of medium-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Ordovician Black River and Prairie du Chien Groups and Cambrian Trempealeau Formation subcrop below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. A gravel pit is located to the north of the compartment, and potential appears to be good. This compartment has never been leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access: good access from the north via M-94 and S. Sundell Road; interior roads require maintenance, but are in fairly good shape and travelable by two-wheel drive traffic.

Survey Needs: none at this time

Recreational Facilities and Opportunities: hunting, fishing

Fire Protection: fire risk is low, with no special precautions necessary

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**

Cover Type & Treatment Map

Compartment 103
 T45N, R22W, Sec. 05, 08, 17
 County: Alger
 Unit: Gwinn
 YOY: 2013
 Acres: 1,685 GIS Calculated
 Stand Examiner: Theresa Sysol
 Map Revised: 8/23/2011
 Map Phase: Pre-Review

Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

5

8

17

Legend

- Miris Corners
- + Remonumented Section Corners
- ◆ Rls Corners
- Wooden Posts
- Paved Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- X Berms
- ⌘ Camps
- X Gates
- Snowmobile Trail
- Snowmobile Trails
- Pipe
- ⊕ Power
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments

- Selection (Group, Single Tree)

Forest Stands

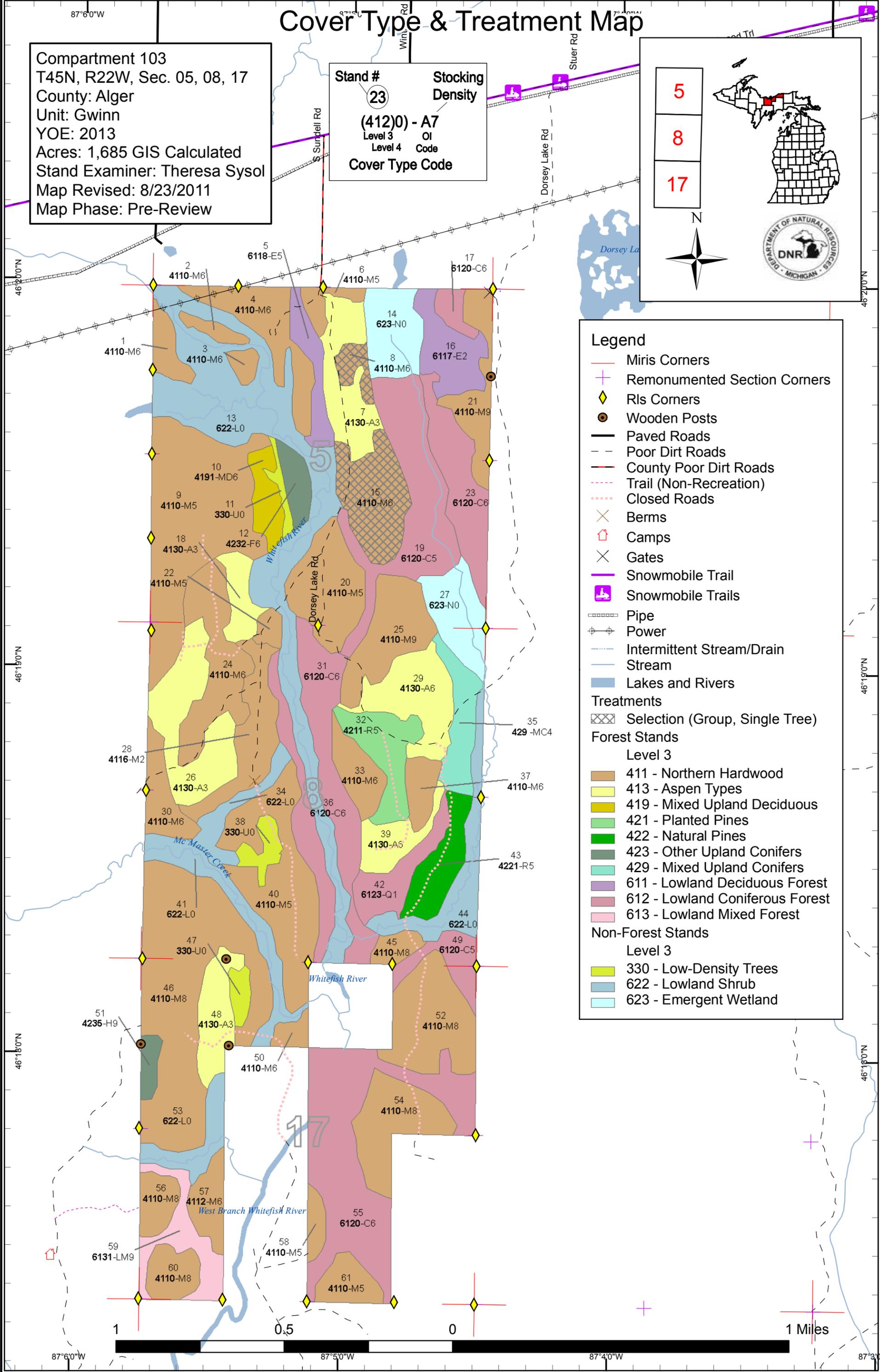
Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

Level 3

- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland



Dedicated & Proposed Special Conservation Area Map

Compartment 103
 T45N, R22W, Sec. 05, 08, 17
 County: Alger
 Unit: Gwinn
 YOE: 2013
 Acres: 1,685 GIS Calculated
 Stand Examiner: Theresa Sysol
 Map Revised: 8/23/2011
 Map Phase: Pre-Review

Stand #
 23
Stocking Density
 (412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

5

8

17



N




Legend

- Miris Corners
- Stand Boundaries
- Proposed Special Conservation Areas**
- SCA - Special Conservation Area
- SCA Removal
- Dedicated Special Conservation Areas**
- Cold Water Streams
- Forest Stands**
- Level 3**
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Stands**
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- 330 - Low-Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland

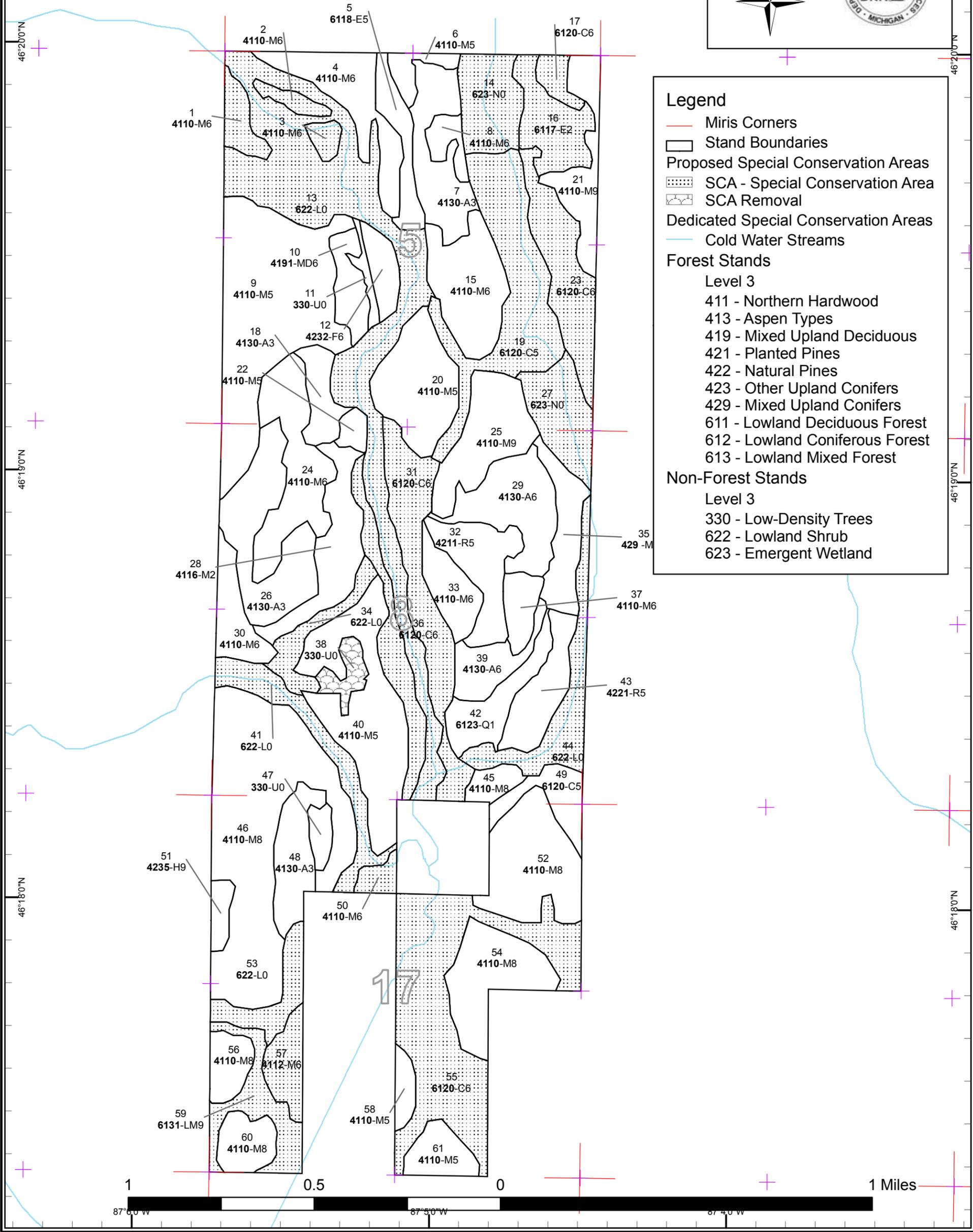


Table 1 – Total Acres by Cover Type and Age Class



	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 +		Unretn Age
Aspen	0	0	81	83	0	0	0	0	0	0	0	0	0	0	0	164
Cedar	0	0	0	0	0	0	0	0	0	72	64	110	43	0	0	290
Hemlock	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
Low-Density Trees	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	20
Lowland Deciduous	0	0	25	0	0	0	0	0	0	15	0	0	0	0	0	40
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	23
Lowland Shrub	221	0	0	0	0	0	0	0	0	0	0	0	0	0	0	221
Marsh	53	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	14
Northern Hardwood	0	0	0	0	0	0	0	0	81	62	13	0	0	0	599	755
Red Pine	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	49
Upland Conifers	0	0	0	22	0	0	0	0	0	0	0	0	0	0	0	22
Upland Spruce/Fir	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	11
Total	292	0	127	153	0	0	0	0	92	149	83	110	43	0	635	1685



Table 2 – Proposed Treatment Summaries

Gwinn Mgt. Unit
Year of Entry 2013

Compartment 103
Total Compartment Acres: 1685

Acres by Treatment Type

Commercial Harvest - 45	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
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
Northern Hardwood	0	45	0	0	0	0		45
Total	0	45	0	0	0	0		45

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	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	32103008-Cut	7.6	4110 - Sugar Maple Association	High Density Pole	90	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Mark hardwoods to 80-90 BA, using the Compleat Marker as a guide. Retain under-represented species.

Specs:

Other per Wildlife: retain any white pine, hemlock, healthy beech, if present. Retain a component of black cherry, if present.

Comments:

Next Steps: Regeneration survey will be needed per Work Instructions. Acceptable species mix includes maples, basswood, cherry and birch in various amounts.

15	32103015-Cut	37.4	4110 - Sugar Maple Association	High Density Pole	90	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal
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Prescription Mark hardwoods to 80-90 BA, using the Compleat Marker as a guide. Retain under-represented species, especially conifers.

Specs:

Other per Wildlife: retain white pine, hemlock, healthy beech, if present. Retain a component of black cherry, if present.

Comments:

Next Steps: Regeneration survey will be needed per Work Instructions. Acceptable regeneration includes maple, basswood, cherry, birch and some conifers in various amounts.

**Total Treatment
Acreage Proposed: 45.1**

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Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comment:

Next
Steps:

Limiting Factor and No
Treatment Reason

**Total Treatment
Acreage Proposed: 0**

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2013



Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Prescription
Specs:

Other
Comments:

Next
Steps:

**Total Treatment
Acreage Proposed: 0**



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4110 - Sugar Maple Association	High Density Pole	10.1	Uneven Age		
2	4110 - Sugar Maple Association	High Density Pole	5.3	90	81-110	Access to stand is across lowland. Trace amounts of red maple, spruce, fir and white pine noted.
3	4110 - Sugar Maple Association	High Density Pole	4.7	Uneven Age		Hardwood knob within Whitefish River influence.
4	4110 - Sugar Maple Association	High Density Pole	32.8	Uneven Age	81-110	Stand is currently firewood quality only; clumps and multiple stems. A few large wildlife snag trees; trace amounts of fir, elm and ironwood noted.
5	6118 - Lowland Deciduous with Cedar	Medium Density Pole	15.4	84		
6	4110 - Sugar Maple Association	Medium Density Pole	7.4	Uneven Age	51-80	"Dorsey Lake Hardwood" sale #223-04 (unit 1) - cut Oct, 2005
7	4130 - Aspen	High Density Sapling	31.0	25		"W. Branch Whitefish River" sale #016-84 (unit 1) - cut Su, 1985
8	4110 - Sugar Maple Association	High Density Pole	7.6	90	81-110	"Sundell Block" #028-93 (unit 3) - cut Fall, 1997
9	4110 - Sugar Maple Association	Medium Density Pole	98.2	Uneven Age	1-50	"McMaster Creek Hardwoods" #020-03 (Units 2-6) - cut Fall, 2004
10	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	13.7	Uneven Age		Slight ridge of hardwood with heavier conifer component.
12	42320 - Upland Spruce	High Density Pole	10.6	79		
15	4110 - Sugar Maple Association	High Density Pole	37.4	Uneven Age	81-110	"Sundell Block" #028-93 (unit 3) - cut Fall, 1997
16	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density	25.1	12		"Sundell Block" #028-93 (Unit 1) - cut August, Sept, 1998.
17	6120 - Lowland Cedar	High Density Pole	6.7	114		Trace amounts of ironwood, red maple and paper birch noted.
18	4130 - Aspen	High Density Sapling	13.5	13		"Whitefish Hardwood Sale" #033-93 (unit 3) - cut ~1997.
19	6120 - Lowland Cedar	Medium Density Pole	64.1	95		cattails, sedge and grasses within
20	4110 - Sugar Maple Association	Medium Density Pole	38.2	89	51-80	part of "Dorsey Lake Hardwoods" #223-04 (units 2-5) - cut Fall, 2005



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
21	4110 - Sugar Maple Association	High Density Log	23.4	89	81-110	Part of sale #034-95 (C. 102)
22	4110 - Sugar Maple Association	Medium Density Pole	4.8	Uneven Age	51-80	"Whitefish Hardwood Sale" #033-93 (unit 4) - thinned 1996-97 and "McMaster Creek Hardwoods" #020-03 (unit 1) - cut Oct, 2004
23	6120 - Lowland Cedar	High Density Pole	36.3	114		Trace amount of red maple and yellow birch.
24	4110 - Sugar Maple Association	High Density Pole	41.0	75	81-110	"Whitefish Hardwood Sale" #033-93 (unit 4) - cut August, 1996
25	4110 - Sugar Maple Association	High Density Log	34.8	78	81-110	"Dorsey Lake Hardwood" #223-04 (unit 6-8) - cut Fall, 2005. Trace amounts of aspen, paper birch. and black cherry; heavy raspberry brush.
26	4130 - Aspen	High Density Sapling	45.4	14		"Whitefish Hardwood Sale" #033-93 (unit 1) - cut 1996-97.
28	4116 - Mixed N. Hardwood - Aspen	Medium Density	30.5	Uneven Age	1-50	"Whitefish Hardwood Sale" #033-93 (unit 2) - cut Su, 1996.
29	4130 - Aspen	High Density Pole	35.6	24		"W. Branch Whitefish River" #016-84 (Unit 2) - cut Su, 1985
30	4110 - Sugar Maple Association	High Density Pole	17.1	Uneven Age	81-110	"McMaster Creek Hardwoods" #020-03 (Units 7 , 8) - cut August, 2004 and Oct, 2004. Trace amount of yellow birch noted.
31	6120 - Lowland Cedar	High Density Pole	47.6	89		Some areas thicker to S/F
32	42110 - Planted Red Pine	Medium Density Pole	26.7	24	111-140	C32-389: trench, herbicide and hand plant 2-0 RP - Sp, 1988.
33	4110 - Sugar Maple Association	High Density Pole	16.5	Uneven Age	81-110	"Sundell Block" #028-93 (unit 3) - cut Fall, 1995
35	429 - Mixed Upland Conifers	Low Density Pole	21.6	24		Aspen clones with poorly stocked red pine - old grass type with bracken fern.
36	6120 - Lowland Cedar	High Density Pole	24.9	89		Some areas thicker to S/F
37	4110 - Sugar Maple Association	High Density Pole	10.9	Uneven Age	81-110	"Sundell Block" #028-93 (unit 3) - cut Fall, 1995
39	4130 - Aspen	High Density Pole	16.2	25		"W. Branch Whitefish River" #016-84 (unit 3) - cut 1985-86.
40	4110 - Sugar Maple Association	Medium Density Pole	61.9	Uneven Age	51-80	"McMaster Creek Hardwoods" #020-03 (units 9 - 12) - cut July-August, 2007. Slight ridges with occasional knobs. Trace amounts of paper birch, red maple and cedar.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	6123 - Lowland Fir	Low Density Sapling	20.4	14		"Sundell Block" #028-93 (unit 2) - cut F, 1995
43	42210 - Natural Red Pine	Medium Density Pole	22.3	24	51-80	Lots of mixed species within red pine stand.
45	4110 - Sugar Maple Association	Medium Density Log	7.4	Uneven Age	51-80	"Old Bridge Hardwood" sale #224-04 (unit 3) - cut F, 2005. Trace amount of white pine.
46	4110 - Sugar Maple Association	Medium Density Log	117.7	Uneven Age	51-80	"McMaster Creek Hardwoods" #029-93 (units 2-4) - completed 1997. Trace amounts of elm, paper birch, yellow birch, basswood noted.
48	4130 - Aspen	High Density Sapling	22.4	14		"McMaster Creek Hardwood" #029-93 (unit 5) - cut 1996-97.
49	6120 - Lowland Cedar	Medium Density Pole	15.3	109		portion of stand harvested as "Old Bridge Hardwood" #224-04 (Unit 1,2) - completed Dec, 2006
50	4110 - Sugar Maple Association	High Density Pole	5.6	79	81-110	Small stand, fairly inaccessible due to surrounding low grounds.
51	42350 - Upland Hemlock	High Density Log	6.2	90		Hemlock area within hardwoods.
52	4110 - Sugar Maple Association	Medium Density Log	45.2	Uneven Age	51-80	"Old Bridge Hardwood" sale #224-04 (unit 4,5) - cut Sept - Dec, 2005. Trace amounts of paper birch, cedar and white spruce.
54	4110 - Sugar Maple Association	Medium Density Log	35.6	Uneven Age	51-80	"Old Bridge Hardwood" sale #224-04 (unit 6,7) - cut Jan-Feb, 2006. Trace amounts of basswood, yellow birch, red maple, and white pine.
55	6120 - Lowland Cedar	High Density Pole	94.8	109		
56	4110 - Sugar Maple Association	Medium Density Log	12.0	Uneven Age	51-80	"West Whitefish Hardwoods" #026-03 - cut July - August, 2005
57	4112 - Maple, Beech, Cherry Association	High Density Pole	14.2	Uneven Age	81-110	Trace amount of ironwood noted.
58	4110 - Sugar Maple Association	Medium Density Pole	6.6	Uneven Age	51-80	"Ladoga Road Hardwoods" #025-03 (unit 2,3) - cut Feb-March, 2005.
59	6131 - Hemlock, White Pine, Maple, Birch	High Density Log	22.8	Uneven Age		
60	4110 - Sugar Maple Association	Medium Density Log	14.1	Uneven Age	51-80	"West Whitefish Hardwoods" #026-03 - cut July - August, 2005
61	4110 - Sugar Maple Association	Medium Density Pole	13.7	Uneven Age	51-80	"Ladoga Road Hardwoods" #025-03 (unit 1) - cut Feb - March, 2005



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
11	3302 - Low Density Conifer Trees	4.1	No	Unspecified	Old grass/upland shrub type filling in
13	6220 - Alder/willow	133.4	No	Unspecified	contains W. Branch Whitefish River
14	6239 - Mixed Emergent Wetland	26.6	No	Unspecified	Contains (Dorsey?) Creek
27	6239 - Mixed Emergent Wetland	26.3	No	Unspecified	Contains (Dorsey?) Creek
34	6220 - Alder/willow	14.2	No	Unspecified	Snags/dead timber within grassy SE tip
38	3302 - Low Density Conifer Trees	8.5	No	Unspecified	Old U type - spruce mainly filling in with cherry sprouts
41	6220 - Alder/willow	27.0	No	Unspecified	Contains McMaster Creek
44	6220 - Alder/willow	30.1	No	Unspecified	part of (Dorsey? or fork of W. Branch Whitefish?) Creek flows through stand
47	3303 - Mixed Low Density Trees	5.9	No	Unspecified	
53	6220 - Alder/willow	16.1	No	Unspecified	contains fork of (McMaster or W. Branch Whitefish) Creek/River



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.

Stand	SCA Type	SCA Name	Acres	Comments
1	Unique Site - SCA	32103001	10.1	SCA - Watershed protection: Hardwood knob surrounded by riparian zone of Whitefish River, which is classified as a cold water trout stream. Wildlife corridor. Provide forest structure in the form of standing and dead and down coarse woody debris.
2	Unique Site - SCA	32103002	5.3	SCA - Watershed protection: hardwood island within riparian corridor of Whitefish River, which is classified as a cold water trout stream. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife.
3	Unique Site - SCA	32103003	4.7	SCA - Watershed protection: hardwood island within riparian corridor of Whitefish River, which is classified as a cold water trout stream. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife.
16	Unique Site - SCA	32103016	25.1	SCA - protect small spring/creek within and maintain watershed integrity. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife.
17	Unique Site - SCA	32103017	6.7	SCA - Wildlife corridor. Maintain mature closed canopy conifer for snow intercept and thermal cover for wildlife.
19	Unique Site - SCA	32103019	64.1	SCA - Watershed protection: riparian zone/corridor for Dorsey Creek, which is classified as a cold water trout stream. Wildlife corridor. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife. Maintain mature closed canopy conifer for snow intercept and thermal protection.
23	Unique Site - SCA	32103023	36.3	SCA - Watershed protection: riparian zone/corridor for Dorsey Creek, which is classified as a cold water trout stream. Wildlife corridor. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife. Maintain mature closed canopy conifer for snow intercept and thermal protection.
31	Unique Site - SCA	32103031	47.6	SCA - Maintain mature wildlife travel corridor along Whitefish River. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife. Maintain mature closed canopy conifer for snow intercept and thermal protection.
36	Unique Site - SCA	32103036	24.9	SCA - Maintain mature wildlife travel corridor along Whitefish River. Provide mature forest structure in the form of standing and dead and down coarse woody debris and large legacy old growth trees for wildlife. Maintain mature closed canopy conifer for snow intercept and thermal protection.



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.

Stand	SCA Type	SCA Name	Acres	Comments
50	Unique Site - SCA	32103050	5.6	SCA - Protect surrounding watershed integrity/apply RMZ guidelines.
55	Unique Site - SCA	32103055	94.8	SCA - No activity within 500' - riparian corridor to protect Whitefish River, which is classisified as a cold water trout stream. Protect other watershed values and provide for wildlife travel, thermal cover.
57	Unique Site - SCA	32103057	14.2	SCA - Protect watershed integrity: Hardwood stand surrounded by low,wet grounds and unnamed drainage which feed into Whitefish River, which is classified as a cold water trout stream. Noted old remnant WP stump.
59	Unique Site - SCA	32103059	22.8	SCA - Protect watershed integrity: wet, riparian stand which filters into Whitefish River, which is classified as a cold water trout stream.
13	Unique Site - SCA	NF_32103013	133.4	SCA - riparian corridor for W. Branch Whitefish River, which is classified as a cold water trout stream.
14	Unique Site - SCA	NF_32103014	26.6	SCA - Watershed protection and potential for T&E species
27	Unique Site - SCA	NF_32103027	26.3	SCA - watershed protection - Dorsey Creek. Potential for T&E species
34	Unique Site - SCA	NF_32103034	14.2	SCA - Protect watershed integrity;intermittent drainage crossing between McMaster Creek and Whitefish River.
38	SCA Removal	NF_32103038	8.5	small grass/upland site
41	Unique Site - SCA	NF_32103041	27.0	SCA - riparian corridor for McMaster Creek
44	Unique Site - SCA	NF_32103044	30.1	SCA - riparian corridor for Dorsey Creek
53	Unique Site - SCA	NF_32103053	16.1	SCA - riparian corridor for unnamed creek



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.

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.