



Compartment Review Presentation

Gladwin Forest Management Unit

Compartment 69

Entry Year 2015

Acreage: 3,071

County Gladwin

Management Area: Gladwin Lake Plain

Revision Date: 06/10/2013

Stand Examiner: Rick Myrick

Legal Description:

T18N, R2E, Sections 1, 2, 11, & 12. T19N, R2E, Sections 25 & 36

Identified Planning Goals:

The compartment goals are to sustainably manage the forest resources for timber, wildlife, and recreation. A predominant feature of this compartment is the proposed Special Conservation Area Bentley Marsh/Molasses Flooding complex which encompasses over half of the area. Management activities should integrate an overarching consideration for the enhancement of this dominant feature. Additionally, all illegal ORV trails are to be obliterated during future timber sales.

Soil and topography:

The north portion of the Compartment is comprised mostly of the Roscommon Association in the low wet areas, Au Gres Association in the intermediate, and Grayling Association on the dry areas. The terrain is generally level with dunes from the glacial period. Many of the soils, especially the Roscommon and Au Gres Associations are very hummocky with much micro relief. Because of these soil types many stands have a mix of upland and lowland, making management at the stand level challenging. Additionally, these soil type associations have a variable water table that renders many of the stands inoperable in the spring through mid to late summer. The southern part of the Compartment is comprised of large wetlands bordered by treed ridges. Primary soil types are Au Gres-Kinross Association; a poorly to somewhat poorly drained soil in low lying, nearly level, outwash plains that have a periodically high water table; Roscommon-Brevort-Tawas Association; a poorly drained mucky sand that is associated with depressions and seasonal flooding; and Grayling-Croswell-Au Gres Association; a well drained soil of stabilized dunes intermixed with wet areas.

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

The Compartment is one contiguous block of State land which wraps around private inholdings to the south and is bordered by private properties all along the east. The east border is the line between Gladwin, Arenac, and Bay Counties. The majority of the private parcels are larger hunting properties.

Unique Natural Features:

The Compartment is home to the Bentley Marsh complex and vast expanses of other unnamed marsh lands. These marshes serve as migrating and nesting waterfowl habitat. There are no known occurrences of threatened or endangered species recorded in the Michigan Natural Features Inventory for this Compartment. An active Bald Eagle nest is located near the Compartment.

Archeological, Historical, and Cultural Features:

There are no known concerns listed within the Archeological database.

Special Management Designations or Considerations:

Approximately one third of the Compartment is proposed as a Special Conservation Area (SCA) given the marsh land size, extent and wildlife value associated with the Bentley Marsh and its surrounding riparian zones and travel corridors.

Watershed and Fisheries Considerations:

The Compartment has a large marsh complex, the Bentley Marsh, that feeds into the Molasses River and the Molasses River Flooding #3.

Wildlife Habitat Considerations:

This compartment includes the Bentley Marsh and portions of Molasses River Flooding #5. These wetlands are components of a larger wetland complex that drains through the Molasses River Flooding #3. The majority of this compartment is lowland systems. This wetland complex is a unique habitat type and is being considered a special designation. Non-wetland stands are comprised mainly of Oak, Jack Pine and mixed lowland conifer, making it suitable for a number of wildlife species. Waterfowl and shore birds can be found using the many wetland areas in this compartment. Furbearers including beaver, mink, muskrat, black bear, bobcat, and coyote use the wetlands and lowlands as corridors as year-round habitat. Game species likely to be present in this compartment include wood duck, mallard, wild turkey, ruffed

grouse, snowshoe hare, and white-tailed deer. The compartment is easily accessible to hunters via East Fireline Trail.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel. The glacial drift thickness varies between 100 and 200 feet. Beneath the Glacial Drift are the Pennsylvanian Grand River and Saginaw Formations. The Saginaw Formation is used for clay/shale in other areas of the State. This area is predominantly sand, and gravel potential in the compartment is considered limited. This area has had little oil and gas activity although two dry holes were drilled in the compartment. The Compartment is leased for oil and gas development.

Vehicle Access:

The Compartment has good vehicle access via State highway M-61, and Gladwin County Roads; Center Fireline and East Fireline.

Survey Needs:

There are no survey needs at this time.

Recreational Facilities and Opportunities:

The Gladwin ORV trail runs along the western boundary of this compartment. This trail is specifically designed for vehicles less than 50 inches in width, which is typically associated with "quad" type off road vehicles. Timber management activities should include trail protection specifications to reduce user impacts, as well as serve as an example of how silviculturally sound timber harvesting techniques can co-exist, and often improve recreation experiences for future generations. Example trail protection specifications include: do not cut trees that have confidence markers, trees directly adjacent to the trail need to be either flush cut, or left 4 feet high (no hidden stumps), and skid across the trail only when necessary. Dispersed camping opportunities are numerous adjacent to Center Fireline Road. (TMN 5/6) .

Fire Protection:

Fire suppression equipment can access much of the forested areas of the Compartment as there are numerous State forest two-track roads that spur off Center Fireline and East Fireline.

Additional Compartment Information:

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**

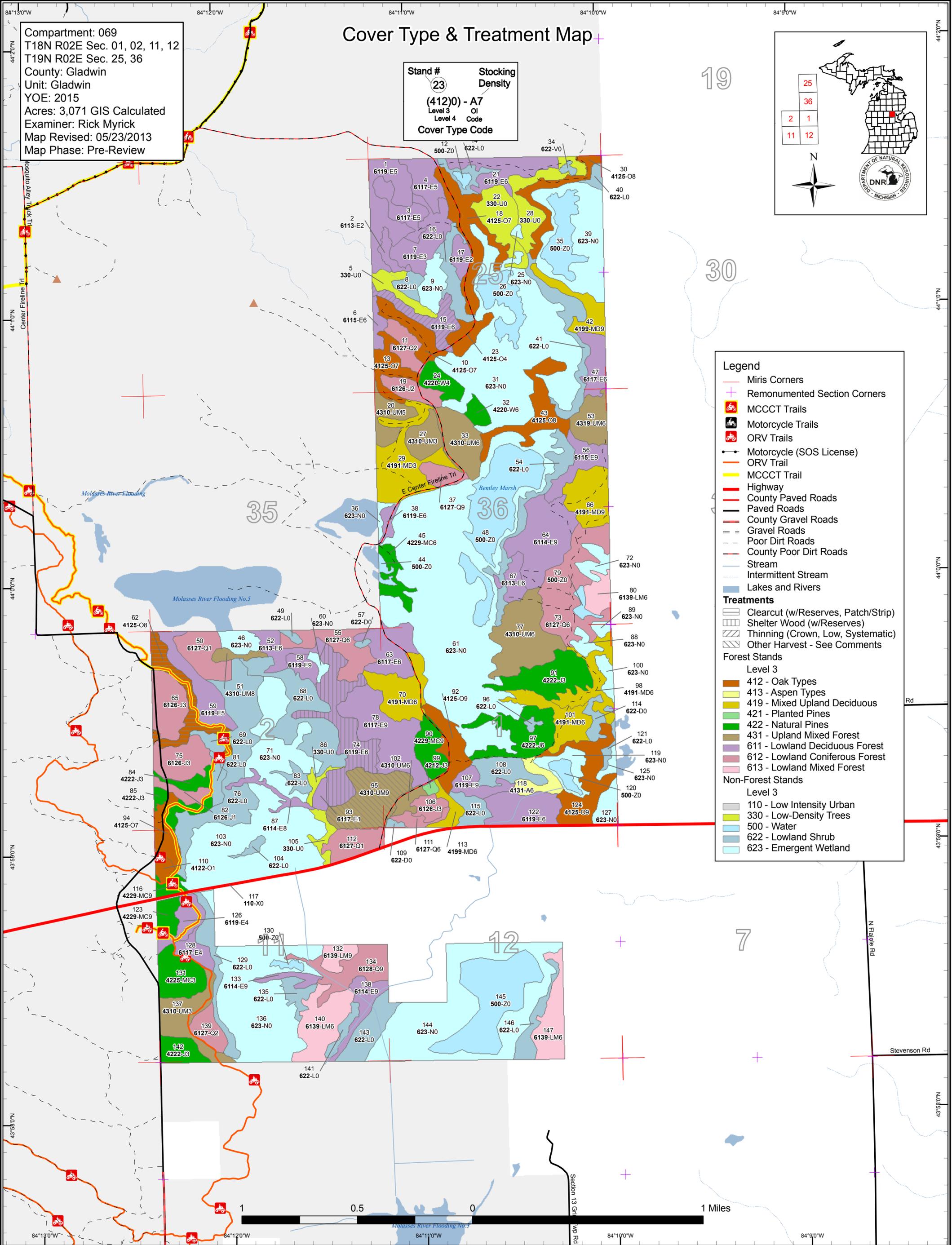
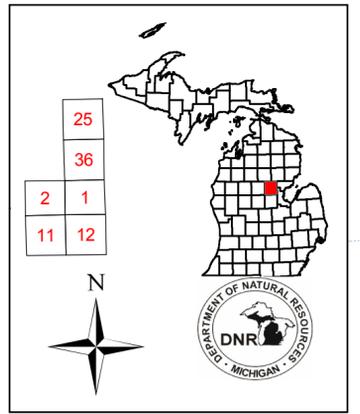
The following information is displayed, where pertinent, on the attached compartment maps:

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

Cover Type & Treatment Map

Compartment: 069
 T18N R02E Sec. 01, 02, 11, 12
 T19N R02E Sec. 25, 36
 County: Gladwin
 Unit: Gladwin
 YOY: 2015
 Acres: 3,071 GIS Calculated
 Examiner: Rick Myrick
 Map Revised: 05/23/2013
 Map Phase: Pre-Review

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



Legend

- Miris Corners
- Remonumented Section Corners
- MCCCT Trails
- Motorcycle Trails
- ORV Trails
- Motorcycle (SOS License)
- ORV Trail
- MCCCT Trail
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Stream
- Intermittent Stream
- Lakes and Rivers

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Other Harvest - See Comments

Forest Stands

Level 3

- 412 - Oak Types
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands

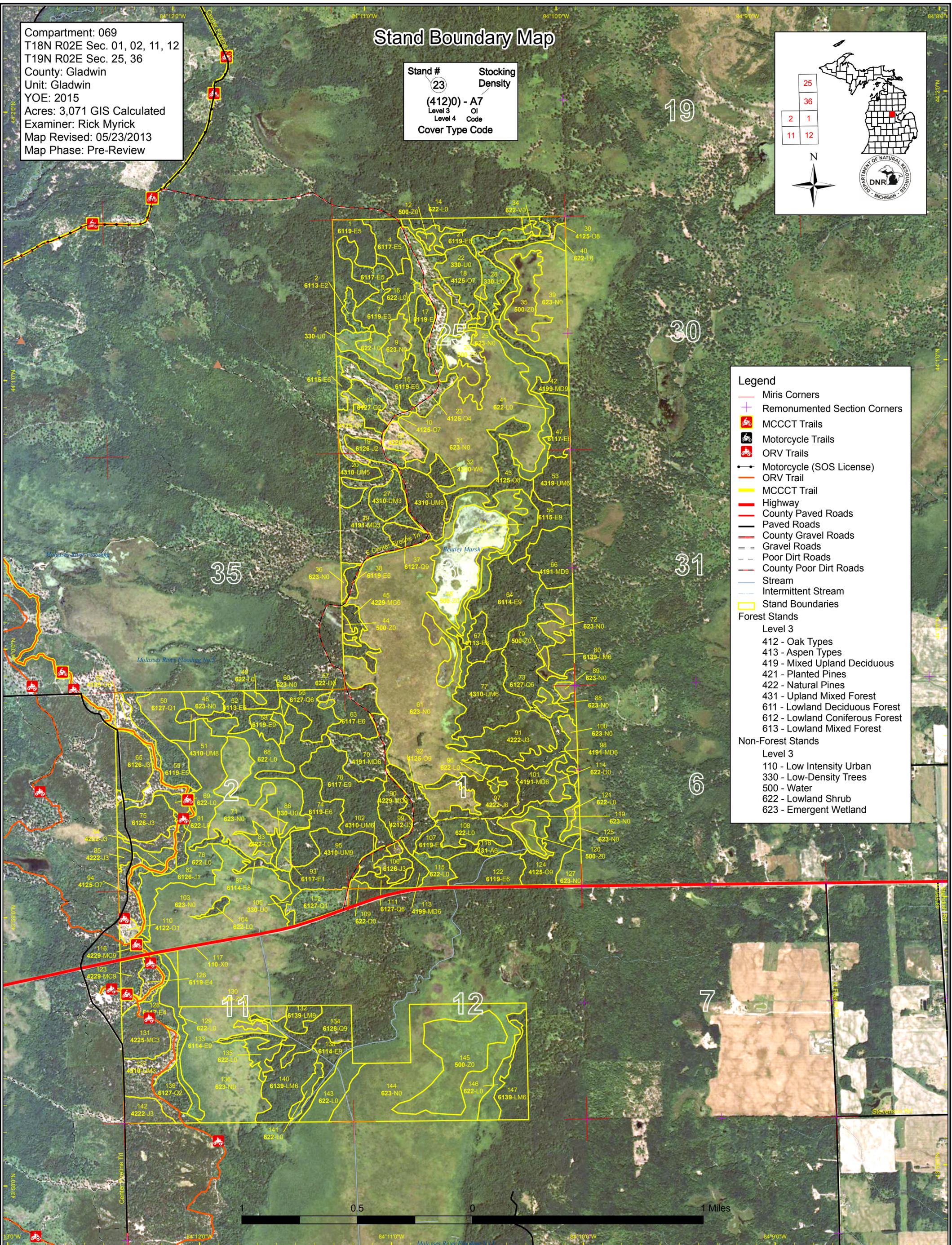
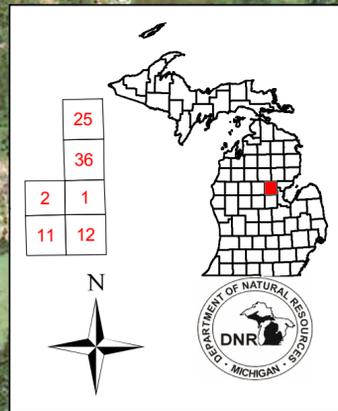
Level 3

- 110 - Low Intensity Urban
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland

Stand Boundary Map

Compartment: 069
 T18N R02E Sec. 01, 02, 11, 12
 T19N R02E Sec. 25, 36
 County: Gladwin
 Unit: Gladwin
 YOY: 2015
 Acres: 3,071 GIS Calculated
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Stand #
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Stocking Density
 (412)0 - A7
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Cover Type Code



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- Motorcycle (SOS License)
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- Intermittent Stream
- Stand Boundaries

Forest Stands

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- 412 - Oak Types
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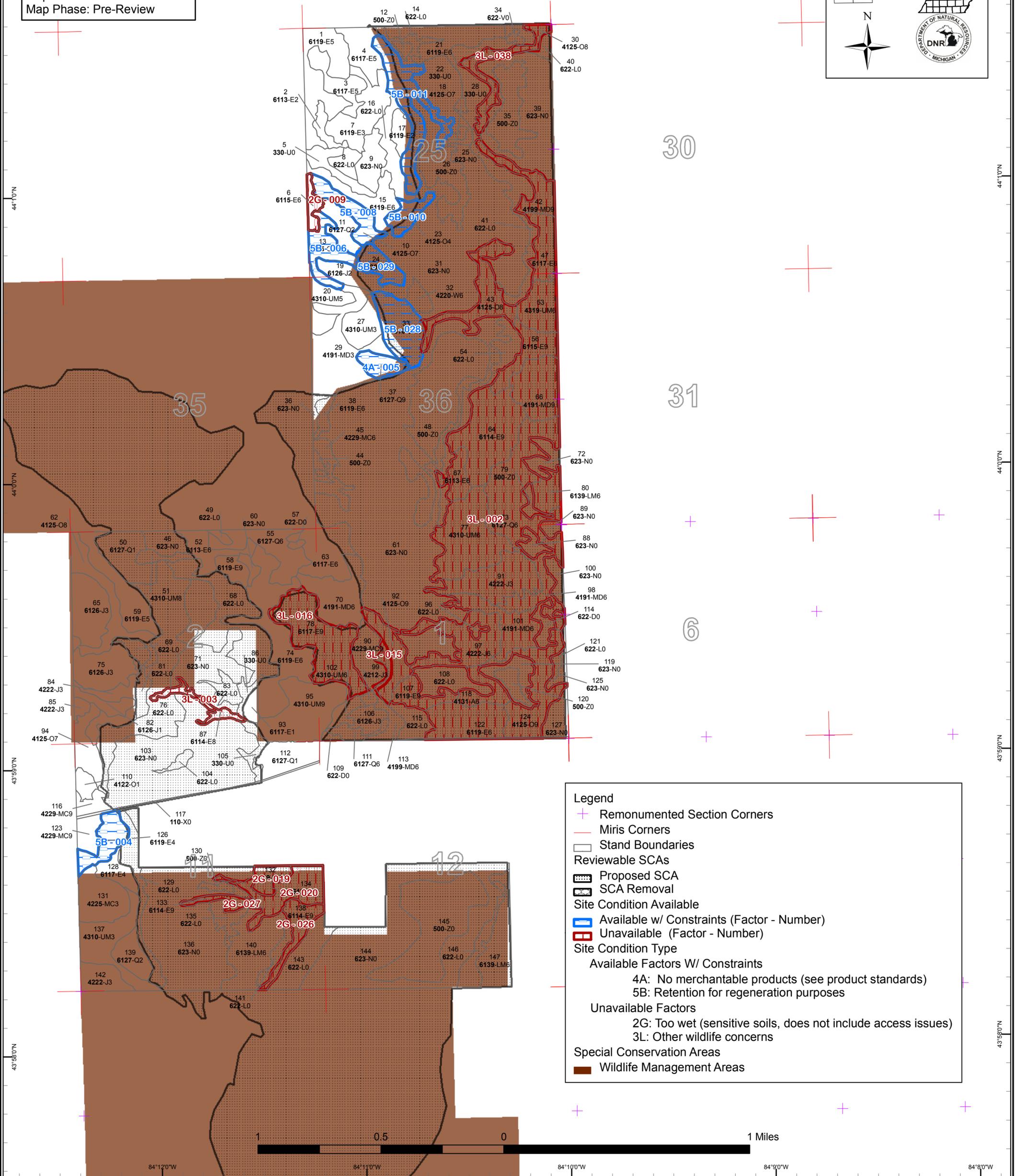
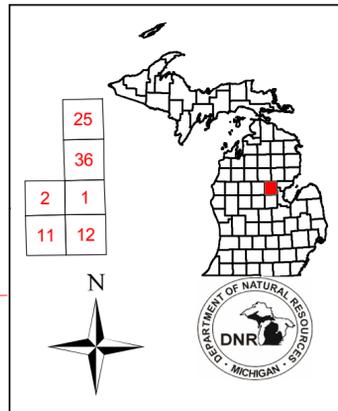
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 County: Gladwin
 Unit: Gladwin
 YOE: 2015
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 Map Revised: 05/23/2013
 Map Phase: Pre-Review

Special Conservation Areas & Site Conditions Map

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



Legend

- + Remonumented Section Corners
- Miris Corners
- Stand Boundaries
- Reviewable SCAs**
- ▨ Proposed SCA
- ▩ SCA Removal
- Site Condition Available**
- ▭ Available w/ Constraints (Factor - Number)
- ▭ Unavailable (Factor - Number)
- Site Condition Type**
- Available Factors W/ Constraints
 - 4A: No merchantable products (see product standards)
 - 5B: Retention for regeneration purposes
- Unavailable Factors
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 3L: Other wildlife concerns
- Special Conservation Areas**
- Wildlife Management Areas





	Age Class													Total	
	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 +		Uneven Age
Aspen	0	0	0	11	0	0	0	0	0	0	0	0	0	0	11
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	70	86	12	0	0	0	0	0	0	0	0	0	0	169
Low-Density Trees	68	0	0	0	0	0	0	0	0	0	0	0	0	0	68
Lowland Conifers	0	18	49	22	6	0	0	26	60	0	0	0	0	0	181
Lowland Deciduous	0	0	30	167	0	9	39	75	22	69	0	0	0	95	506
Lowland Mixed Forest	0	0	0	57	10	0	0	0	9	0	0	0	0	0	76
Lowland Shrub	307	0	0	0	0	0	0	0	0	0	0	0	0	0	307
Marsh	888	0	0	0	0	0	0	0	0	0	0	0	0	0	888
Mixed Upland Deciduous	42	0	0	71	7	0	0	0	42	0	0	0	0	0	163
Natural Mixed Pines	0	0	0	35	0	0	0	16	9	0	0	0	0	6	65
Oak	0	5	0	0	0	0	0	30	104	52	25	0	0	0	216
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Mixed Forest	0	6	46	26	46	0	0	5	26	0	39	0	0	0	194
Urban	6	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Water	193	0	0	0	0	0	0	0	0	0	0	0	0	0	193
White Pine	0	0	12	6	0	0	0	0	0	0	0	0	0	0	18
Total	1515	99	224	407	69	9	39	152	271	121	64	0	0	101	3071



Report 2 – Proposed Treatment Summaries

Gladwin Mgt. Unit
Year of Entry 2015

Compartment 069
Total Compartment Acres: 3,071

Acres by Treatment Type

Commercial Harvest - 132	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Deciduous Forest	0	0	0	50	18	0	68
Oak Types	25	0	0	0	0	0	25
Upland Mixed Forest	0	0	0	0	0	39	39
Total	25	0	0	50	18	39	132



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
15	73069015-CC/R	18.1	6119 - Mixed Lowland Deciduous Forest	High Density Pole	76	51-80	Harvest	Crown Thinning	6119 - Mixed Lowland Deciduous Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Remove all ash species. <u>Specs:</u> <u>Other</u> Mark residual BA to 60-80 as necessary. <u>Comments:</u> Mark to leave scattered trees for retention. Stand has evidence of EAB infestation. Stand must be harvested under dry or frozen conditions.</p> <p><u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2014</p>										
62	C69 62-Cut w/R	24.5	4125 - Black, N. Pin Oak	Medium Density Log	102	1-50	Harvest	Clearcut with Reserves	4125 - Black, N. Pin Oak	Cmpt. Review Proposal
<p><u>Prescription</u> Remove all oak species 2" or greater. <u>Specs:</u> <u>Other</u> Retain some scattered oak evenly distributed throughout the stand. <u>Comments:</u> Protect jack pine for visual.</p> <p><u>Next Steps:</u> Evaluate oak regeneration and trench and plant red pine if necessary. <u>Proposed Start Date:</u> 10/01/2014</p>										
74	C69 74-Cut w/R	50.0	6119 - Mixed Lowland Deciduous Forest	High Density Pole	94	111-140	Harvest	Shelterwood	6119 - Mixed Lowland Deciduous Forest	Cmpt. Review Proposal
<p><u>Prescription</u> Remove all ash species. <u>Specs:</u> <u>Other</u> Mark to leave scattered trees for retention. <u>Comments:</u> Stand must be harvested under frozen or dry conditions only. Recommend shortwood crew.</p> <p><u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2014</p>										
95	C69 95-Cut STS	39.3	4310 - Pine, Oak Mix	High Density Log	103	81-110	Harvest	Other - Specify in Comments	4310 - Pine, Oak Mix	Cmpt. Review Proposal
<p><u>Prescription</u> Spec cut all oak as an overstory removal. <u>Specs:</u> <u>Other</u> Mark to leave scattered trees for retention. <u>Comments:</u> Recommend shortwood crew, due to dense white pine understory.</p> <p><u>Next Steps:</u> <u>Proposed Start Date:</u> 10/01/2014</p>										



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:		132.0							



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

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

**Total Treatment
Acreage Proposed: 0**

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment 069
Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	Dominant Site Conditions				
	Available	Not Available		No	5B	4A	3L	2G
11		11	Aspen				11	
168	106	62	Jack Pine	106			62	
180	104	76	Lowland Conifers	94	0	9	51	26
504	299	205	Lowland Deciduous	285	14		181	24
75	57	19	Lowland Mixed Forest	57			10	8
161	77	85	Mixed Upland Deciduous	77			85	
65	64	0	Natural Mixed Pines	64			0	
214	120	94	Oak	45	75		94	
194	130	64	Upland Mixed Forest	105	25		64	
17	17		White Pine	6	11			
1,589	974	615	Total Forested Acres	839	126	9	557	58
	61%	39%	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
002	Not Available	3L: Other wildlife concerns	491	2G: Too wet (sensitive soils, does not include access issues)	3L: Other wildlife concerns	3L: Other wildlife concerns	3L: Other wildlife concerns
Comments:							
003	Not Available	3L: Other wildlife concerns	7	3D: Recreational / Scenic values	2G: Too wet (sensitive soils, does not include access issues)		
Comments: Meets age criteria for treatment, but would prove more beneficial and of higher value as a wildlife travel corridor. Very narrow ridge; generally low ground. It is only a few feet above the Bentley Marsh water table.							

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment 069
Year of Entry 2015

004	Available	5B: Retention for regeneration purposes	15	
Comments: Shelterwood treatment in 2007.				
005	Available	4A: No merchantable products (see product standards)	9	
Comments: This stand is part of the purchased Bentley Fire Oak sale 73-004-09-01, and is prescribed for a 2" final harvest. YOE 2009.				
006	Available	5B: Retention for regeneration purposes	17	
Comments: Final harvested to 4" in 2012. Approximately 30 BA of mature oak left as residual. Part of the Bentley Fire Oak sale.				
008	Available	5B: Retention for regeneration purposes	15	
Comments: Seed tree harvested in 2011. Part of Bentley Fire Oak sale. 20-40 BA.				
009	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5	
Comments:				
010	Available	5B: Retention for regeneration purposes	10	
Comments: Seed tree harvested 2011. Part of the Bentley Fire Oak sale. 10-20 BA				

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment 069
Year of Entry 2015

011	Available	5B: Retention for regeneration purposes	34	
Comments: Seed tree harvested 2011. Part of the Bentley Fire Oak Sale. Residual BA 10-20.				
015	Not Available	3L: Other wildlife concerns	4	
Comments:				
016	Not Available	3L: Other wildlife concerns	47	
Comments:				
019	Not Available	2G: Too wet (sensitive soils, does not include access issues)	9	2B: Unknown if access through adjacent landowner(s) is possible
Comments:				
020	Not Available	2G: Too wet (sensitive soils, does not include access issues)	26	2B: Unknown if access through adjacent landowner(s) is possible
Comments:				
026	Not Available	2G: Too wet (sensitive soils, does not include access issues)	14	
Comments:				

Report 5 – Site Conditions

Gladwin Mgt. Unit
Rick Myrick : Examiner

Compartment 069
Year of Entry 2015

027	Not Available	2G: Too wet (sensitive soils, does not include access issues)	5
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Comments:

028	Available	5B: Retention for regeneration purposes	26
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Comments:

Stand is prescribed for seed tree harvest to be taken down to approximately 20 BA. This stand is a part of the purchased Bentley Fire Oak sale. YOE 2009. 73-004-09-01

029	Available	5B: Retention for regeneration purposes	12
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Comments:

6" final harvest 2012. Stand is part of the Bentley Fire Oak sale. YOE 2009.

038	Not Available	3L: Other wildlife concerns	17
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Comments:



Report 6 – 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
Bentley Marsh	Habitat Areas or Corridors	Other Habitat Area	SCA	1059.4
Comments				
Propose the Bentley Marsh and some surrounding habitat areas as an SCA.				



Report 7 – 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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



Stand	Gladwin Mgt. Unit		Report 8 – Forested Stands			Compartment: 069 Year of Entry: 2015	
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	
1	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	33.5	39	51-80		
2	6113 - Lowland Maple	Medium Density	5.5	38	1-50	Matrix of lowland with some upland knolls.	
3	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	14.6	38	51-80		
4	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	15.6	39	1-50		
6	6115 - Lowland Ash	High Density Pole	5.3	88			
7	6119 - Mixed Lowland Deciduous Forest	High Density Sapling	25.8	39	51-80		
10	4125 - Black, N. Pin Oak	Low Density Log	15.3	88	1-50		
11	6127 - Lowland Pine	Medium Density	12.6	22		Stand swapped from Non-Forested to Forested.	
13	4125 - Black, N. Pin Oak	Low Density Log	16.1	88	1-50		
15	6119 - Mixed Lowland Deciduous Forest	High Density Pole	18.1	76	51-80		
17	6119 - Mixed Lowland Deciduous Forest	Medium Density	7.2	39	1-50		
18	4125 - Black, N. Pin Oak	Low Density Log	34.2	81	1-50		
19	6126 - Lowland Jack Pine	Medium Density	12.1	22			
20	4310 - Pine, Oak Mix	Medium Density Pole	13.8	22	1-50		
21	6119 - Mixed Lowland Deciduous Forest	High Density Pole	24.1	33	51-80		
23	4125 - Black, N. Pin Oak	Low Density Pole	10.7	81	1-50		
24	42200 - Natural White Pine	Low Density Pole	11.8	20	1-50		
27	4310 - Pine, Oak Mix	High Density Sapling	14.2	22	1-50		

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Gladwin Mgt. Unit

Report 8 – Forested Stands

Compartment: 069
Year of Entry: 2015

Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	41.9	8	1-50	
4125 - Black, N. Pin Oak	Medium Density Log	16.0	75	1-50	
42200 - Natural White Pine	High Density Pole	6.0	32	51-80	New stand added.
4310 - Pine, Oak Mix	High Density Pole	26.0	80	51-80	
6127 - Lowland Pine	High Density Log	9.3	87	51-80	
6119 - Mixed Lowland Deciduous Forest	High Density Pole	4.9	74	1-50	
4199 - Other Mixed Upland Deciduous	High Density Log	15.9	81	51-80	
4125 - Black, N. Pin Oak	Medium Density Log	27.6	85	1-50	
42290 - Natural Mixed Pine	High Density Pole	11.8	30	51-80	
6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.2	60	81-110	
6127 - Lowland Pine	Low Density Sapling	21.6	32		Dense conifer leatherleaf bog.
4310 - Pine, Oak Mix	Medium Density Log	5.0	76	51-80	Narrow peninsula ridge with nonforest lowlands at its border. Provides an excellent wildlife travel corridor.
6113 - Lowland Maple	High Density Pole	13.3	35	51-80	
4319 - Mixed Upland Forest	High Density Pole	18.1	28	81-110	
6127 - Lowland Pine	High Density Pole	24.6	22	81-110	
6115 - Lowland Ash	High Density Log	17.0	81	51-80	
6119 - Mixed Lowland Deciduous Forest	High Density Log	7.3	72	51-80	
6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	23.9	60	51-80	



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	4125 - Black, N. Pin Oak	Medium Density Log	24.5	102	1-50	
63	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	26.1	22	81-110	
64	6114 - Lowland Oak	High Density Log	46.9	Uneven Age	81-110	
65	6126 - Lowland Jack Pine	High Density Sapling	24.3	19	51-80	
66	4191 - Mixed Upland Deciduous with Conifer	High Density Log	26.2	85	51-80	
67	6113 - Lowland Maple	High Density Pole	10.1	77	51-80	
70	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	28.3	30	1-50	
73	6127 - Lowland Pine	High Density Pole	50.8	85	51-80	
74	6119 - Mixed Lowland Deciduous Forest	High Density Pole	50.0	94	111-140	
75	6126 - Lowland Jack Pine	High Density Sapling	23.3	24	51-80	
77	4310 - Pine, Oak Mix	High Density Pole	45.7	43	51-80	
78	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	47.8	Uneven Age	81-110	A matrix of generally lowland with some upland areas.
80	6139 - Mixed Lowland Forest	High Density Pole	10.3	42	51-80	
82	6126 - Lowland Jack Pine	Low Density Sapling	7.3	23		Treed bog.
84	42220 - Natural Jack Pine	High Density Sapling	14.2	15		
85	42220 - Natural Jack Pine	High Density Sapling	2.8	24		
87	6114 - Lowland Oak	Medium Density Log	7.3	94	81-110	
90	42290 - Natural Mixed Pine	High Density Log	16.2	78	81-110	

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Gladwin Mgt. Unit

Report 8 – Forested Stands

Compartment: 069
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
91	42220 - Natural Jack Pine	High Density Sapling	32.0	16		Part of FMU approved SCA.
92	4125 - Black, N. Pin Oak	High Density Log	19.4	90	81-110	
93	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Sapling	4.3	22	1-50	
94	4125 - Black, N. Pin Oak	Low Density Log	13.9	75	1-50	
95	4310 - Pine, Oak Mix	High Density Log	39.3	103	81-110	
97	42220 - Natural Jack Pine	High Density Pole	30.4	26	81-110	
98	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	20.8	38	51-80	
99	42120 - Planted Jack Pine	High Density Sapling	1.8	22		
101	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	22.4	38	81-110	
102	4310 - Pine, Oak Mix	High Density Pole	5.9	15	81-110	
106	6126 - Lowland Jack Pine	High Density Sapling	8.1	23	51-80	
107	6119 - Mixed Lowland Deciduous Forest	High Density Log	12.0	90	51-80	
110	4122 - Oak, Pine	Low Density Sapling	5.1	12		
111	6127 - Lowland Pine	High Density Pole	5.6	40	81-110	
112	6127 - Lowland Pine	Low Density Sapling	17.9	18		
113	4199 - Other Mixed Upland Deciduous	High Density Pole	7.1	48	51-80	
116	42290 - Natural Mixed Pine	High Density Log	6.0	Uneven Age	141-170	
118	4131 - Aspen, Oak	High Density Pole	10.7	38	51-80	

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Gladwin Mgt. Unit

Report 8 – Forested Stands

Compartment: 069
Year of Entry: 2015

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
122	6119 - Mixed Lowland Deciduous Forest	High Density Pole	27.1	35	111-140	
123	42290 - Natural Mixed Pine	High Density Log	8.6	80	141-170	
124	4125 - Black, N. Pin Oak	High Density Log	32.7	94	81-110	
126	6119 - Mixed Lowland Deciduous Forest	Low Density Pole	14.6	79	1-50	
128	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	9.2	50	1-50	
131	42250 - Pine, Oak	High Density Sapling	22.9	36	81-110	
132	6139 - Mixed Lowland Forest	High Density Log	8.6	81		
133	6114 - Lowland Oak	High Density Log	5.7	79		
134	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	26.4	79		
137	4310 - Pine, Oak Mix	High Density Sapling	26.3	38	51-80	
138	6114 - Lowland Oak	High Density Log	14.0	78		
139	6127 - Lowland Pine	Medium Density	12.2	25	51-80	
140	6139 - Mixed Lowland Forest	High Density Pole	32.5	39		
142	42220 - Natural Jack Pine	High Density Sapling	12.3	36	81-110	
147	6139 - Mixed Lowland Forest	High Density Pole	24.5	38		



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
5	3303 - Mixed Low Density Trees	10.4	No	Unspecified	
8	6220 - Alder/willow	6.2	No	Unspecified	
9	6239 - Mixed Emergent Wetland	13.0	No	Unspecified	
12	50 - Water	2.1	No	Low (NonForested)	
14	6220 - Alder/willow	6.7	No	Low (NonForested)	
16	6223 - Inundated Shrub Swamp	15.2	No	Unspecified	
22	3301 - Low Density Deciduous Tree	25.1	No	Low (NonForested)	
25	6239 - Mixed Emergent Wetland	1.3	No	Unspecified	
26	50 - Water	21.3	No	Unspecified	
28	3303 - Mixed Low Density Trees	22.2	No	Low (NonForested)	
31	6239 - Mixed Emergent Wetland	146.3	No	Unspecified	
34	6225 - Bog	1.7	No	Low (NonForested)	
35	50 - Water	24.2	No	Unspecified	
36	6239 - Mixed Emergent Wetland	2.6	Yes	Medium (NonForested)	
39	6239 - Mixed Emergent Wetland	51.0	No	Unspecified	
40	6220 - Alder/willow	3.6	No	Unspecified	Part of FMU approved SCA.
41	6220 - Alder/willow	22.2	No	Unspecified	Part of FMU approved SCA.
44	50 - Water	3.0	Yes	Medium (NonForested)	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
46	6239 - Mixed Emergent Wetland	9.3	No	Unspecified	
48	50 - Water	67.1	No	Unspecified	Part of FMU approved SCA.
49	6220 - Alder/willow	1.8	No	Unspecified	
54	6220 - Alder/willow	22.5	No	Unspecified	
57	6224 - Treed Bog	1.2	No	Unspecified	
60	6239 - Mixed Emergent Wetland	3.1	No	Unspecified	
61	6239 - Mixed Emergent Wetland	255.9	No	Unspecified	
68	6220 - Alder/willow	47.5	No	Unspecified	
69	6220 - Alder/willow	5.2	No	Unspecified	
71	6239 - Mixed Emergent Wetland	48.7	No	Unspecified	
72	6239 - Mixed Emergent Wetland	8.6	No	Low (NonForested)	
76	6220 - Alder/willow	66.6	No	Unspecified	
79	50 - Water	3.7	No	Low (NonForested)	
81	6220 - Alder/willow	6.2	No	Unspecified	
83	6220 - Alder/willow	6.2	No	Unspecified	
86	3301 - Low Density Deciduous Tree	3.7	No	Unspecified	
88	6239 - Mixed Emergent Wetland	5.1	No	Low (NonForested)	
89	6239 - Mixed Emergent Wetland	3.0	No	Low (NonForested)	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
96	6220 - Alder/willow	1.7	No	Low (NonForested)	
100	6239 - Mixed Emergent Wetland	5.7	No	Low (NonForested)	
103	6239 - Mixed Emergent Wetland	104.6	No	Unspecified	
104	6220 - Alder/willow	3.0	No	Unspecified	
105	3303 - Mixed Low Density Trees	6.4	No	Unspecified	
108	6223 - Inundated Shrub Swamp	16.6	No	Unspecified	
109	6224 - Treed Bog	1.5	No	Unspecified	
114	6224 - Treed Bog	6.8	No	Low (NonForested)	
115	6220 - Alder/willow	10.2	No	Unspecified	
117	11 - Low Intensity Urban	6.4	No	Low (NonForested)	
119	6239 - Mixed Emergent Wetland	10.8	No	Unspecified	
120	50 - Water	5.9	No	Unspecified	
121	6220 - Alder/willow	2.8	No	Unspecified	
125	6239 - Mixed Emergent Wetland	3.2	No	Unspecified	
127	6239 - Mixed Emergent Wetland	9.5	No	Unspecified	
129	6220 - Alder/willow	16.7	No	Unspecified	
130	50 - Water	2.6	No	Unspecified	
135	6220 - Alder/willow	8.3	No	Unspecified	



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
136	6239 - Mixed Emergent Wetland	98.2	No	Unspecified	
141	6220 - Alder/willow	5.9	No	Unspecified	
143	6220 - Alder/willow	20.3	No	Unspecified	
144	6239 - Mixed Emergent Wetland	107.7	No	Unspecified	
145	50 - Water	63.0	No	Unspecified	
146	6220 - Alder/willow	11.8	No	Unspecified	