



# Compartment Review Presentation

## Gwinn Forest Management Unit

Compartment 6

Entry Year 2015

Acreage: 1,650

County Marquette

Management Area: Dead Horse Moraines

**Revision Date:** 08/06/2013

**Stand Examiner:** Theresa Sysol

### Legal Description:

T44N R23W Section(s) 4, 5, 8, 16, 17

### Identified Planning Goals:

To maintain forest diversity and sustainability through on-going management while considering wildlife, fisheries, recreation, and environmental concerns.

### Soil and topography:

Upland flats to level swamps and wetland drainages. Primarily very poorly drained Cathro-Ensley mucks, with Carbondale and Tawas, Greenwood and Dawson, and Tawas-Deford mucks scattered to somewhat poorly-drained Charlevoix-Ensley complex, and moderately well-drained Shoepac-Trenary silt loams, Shoepac-Ensley and Escanaba loamy fine sand.

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

About 50% of the ownership is State, with the remainder in private (both industrial and recreational). Land use is both for the production of commercial forest products and recreational use, primarily being deer hunting.

### Unique Natural Features:

None listed with MNFI. Potential for red-shouldered hawk and goshawk in northern and lowland hardwood stands. Potential for Great blue heron rookery and gray wolf.

### Archeological, Historical, and Cultural Features:

none identified with HAL

### Special Management Designations or Considerations:

Dead Horse Moraines Management Area

### Watershed and Fisheries Considerations:

Deer Creek and associated branches, Werners Creek

### Wildlife Habitat Considerations:

Compartment 6 is found within the Dead Horse Moraines Management Area; which is Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The State Forest covers about 88,000 acres and is mostly contiguous. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include northern hardwood, aspen, and mixed lowland conifer. This management area provides multiple benefits to the public including forest products, dispersed recreational activities, and habitat for fish and wildlife species. The Dead Horse Moraine management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area where regeneration is more problematic. The primary focus of wildlife habitat management in the Dead Horse Moraine Management Area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris, early successional forest, and deer wintering complexes.

The following have been identified as featured species for the Dead Horse Moraine Management Area: Black Bear, Pileated Woodpecker, Ruffed Grouse, and White-Tailed Deer. However, the featured species concept does not preclude the management for other wildlife species within a particular MA, rather it is simply intended to be as a tool to help prioritize or focus habitat management.

For lands purchased with Pittman–Robertson Act or Game and Fish funds, the primary objective of vegetative management must be wildlife restoration.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness.

The Ordovician Black River and Prairie du Chien Groups subcrop below the glacial drift. These formations are quarried for stone/dolomite in other areas of the State. The nearest gravel pit is located just to the south of the compartment and potential appears to be good. Abandoned iron mines are located nine miles to the west. This compartment has not been leased for metallic exploration. There is no economic oil and gas production in the UP.

**Vehicle Access:**

From State Highway M-35: access via the Stack Grade, a poor State-maintained road at the north end of the compartment and via the Badders Road, another poor State maintained road just East of McFarland and bordering the west side of the compartment. Additional access from Co Rd 444, crossing various private landowners to reach abandoned logging trails. Very few interior roads present; most are closed trails from previous timber harvesting activities and are seasonal use only due to wet terrain.

**Survey Needs:**

None at this time

**Recreational Facilities and Opportunities:**

Primarily hunting and trapping opportunities

**Fire Protection:**

Depending on fire location, initial response time can be anywhere from 1/2 hour or more. Suppression is likely to be difficult, due to soils and access, with control times estimated at 2-4 hours or more.

**Additional Compartment Information:**

Both the Stack Grade and Badders Road are in need of major repairs. Due to the lack of road funding over the past few years, very little to no routine maintenance nor improvements has been accomplished. Continued use by private harvesting and hunting traffic has not eased the pressures on these roads, which has lead to heavy rutting, crushed/plugged culverts, and water ponding on the roadbed.

**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**

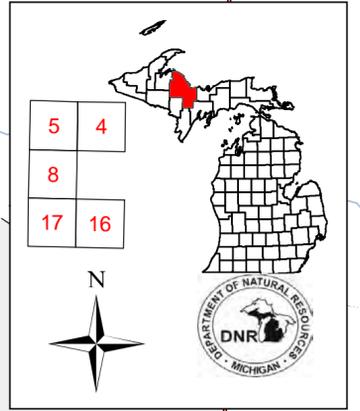
**The following information is displayed, where pertinent, on the attached compartment maps:**

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

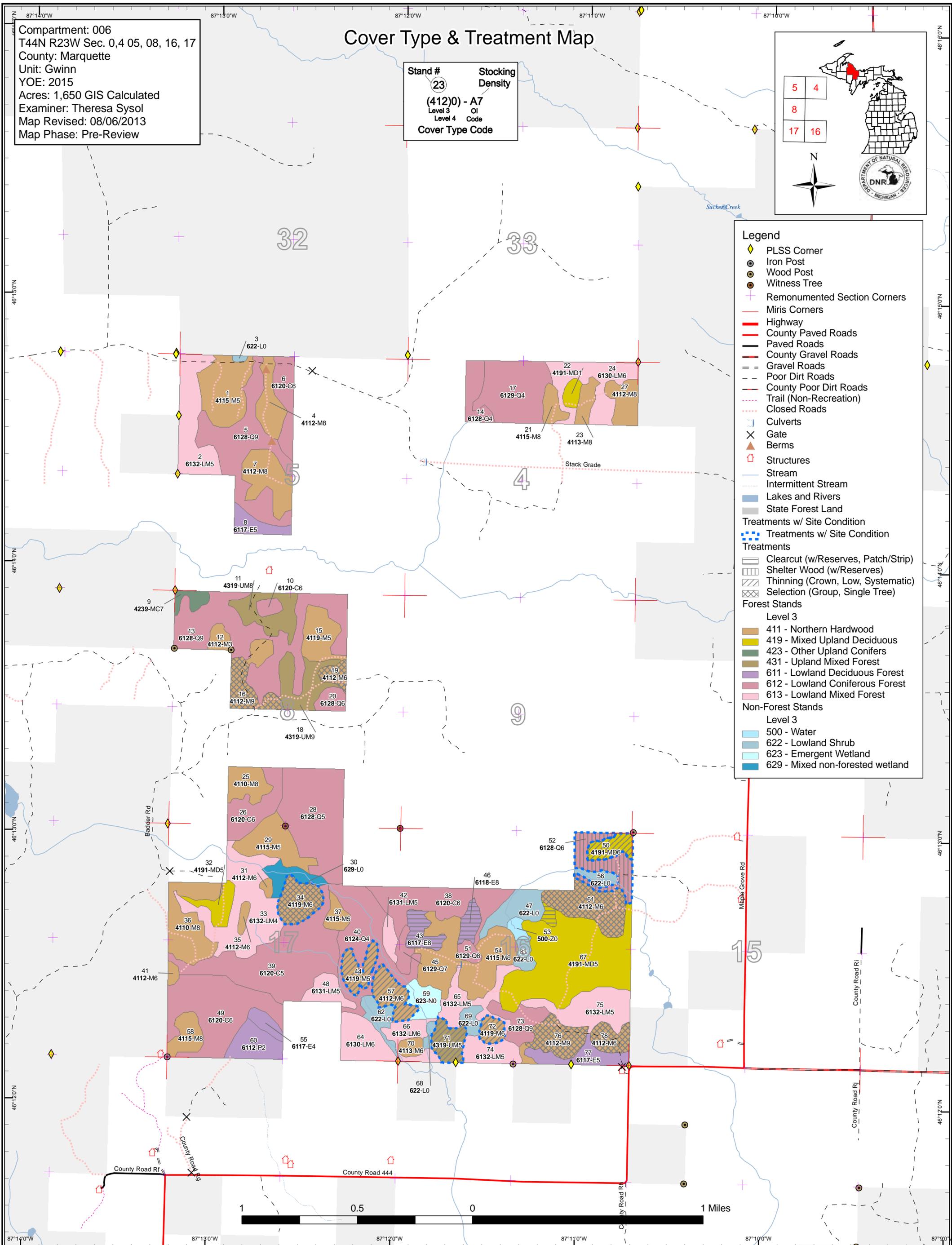
# Cover Type & Treatment Map

Compartment: 006  
 T44N R23W Sec. 0,4 05, 08, 16, 17  
 County: Marquette  
 Unit: Gwinn  
 YOE: 2015  
 Acres: 1,650 GIS Calculated  
 Examiner: Theresa Sysol  
 Map Revised: 08/06/2013  
 Map Phase: Pre-Review

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



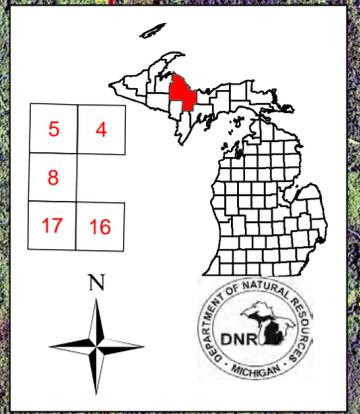
- ### Legend
- ◆ PLSS Corner
  - Iron Post
  - Wood Post
  - Witness Tree
  - ⊕ Remounted Section Corners
  - Miris Corners
  - Highway
  - County Paved Roads
  - Paved Roads
  - County Gravel Roads
  - Gravel Roads
  - Poor Dirt Roads
  - County Poor Dirt Roads
  - Trail (Non-Recreation)
  - Closed Roads
  - Culverts
  - ⊗ Gate
  - ▲ Berms
  - ⊠ Structures
  - Stream
  - Intermittent Stream
  - Lakes and Rivers
  - State Forest Land
  - Treatments w/ Site Condition
  - ▨ Treatments w/ Site Condition
  - Treatments
  - ▨ Clearcut (w/Reserves, Patch/Strip)
  - ▨ Shelter Wood (w/Reserves)
  - ▨ Thinning (Crown, Low, Systematic)
  - ▨ Selection (Group, Single Tree)
  - Forest Stands
  - Level 3
  - 411 - Northern Hardwood
  - 419 - Mixed Upland Deciduous
  - 423 - Other Upland Conifers
  - 431 - Upland Mixed Forest
  - 611 - Lowland Deciduous Forest
  - 612 - Lowland Coniferous Forest
  - 613 - Lowland Mixed Forest
  - Non-Forest Stands
  - Level 3
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland
  - 629 - Mixed non-forested wetland



Compartment: 006  
 T44N R23W Sec. 0, 4 05, 08, 16, 17  
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 Map Phase: Pre-Review

# Stand Boundary Map

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



32

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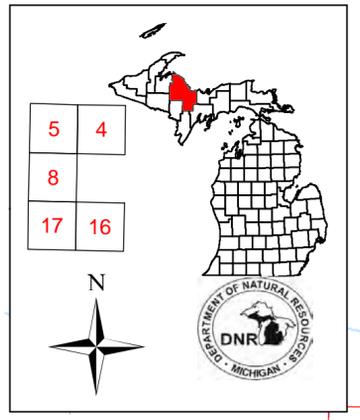
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  - Intermittent Stream
  - Stand Boundaries
- Forest Stands**
- Level 3
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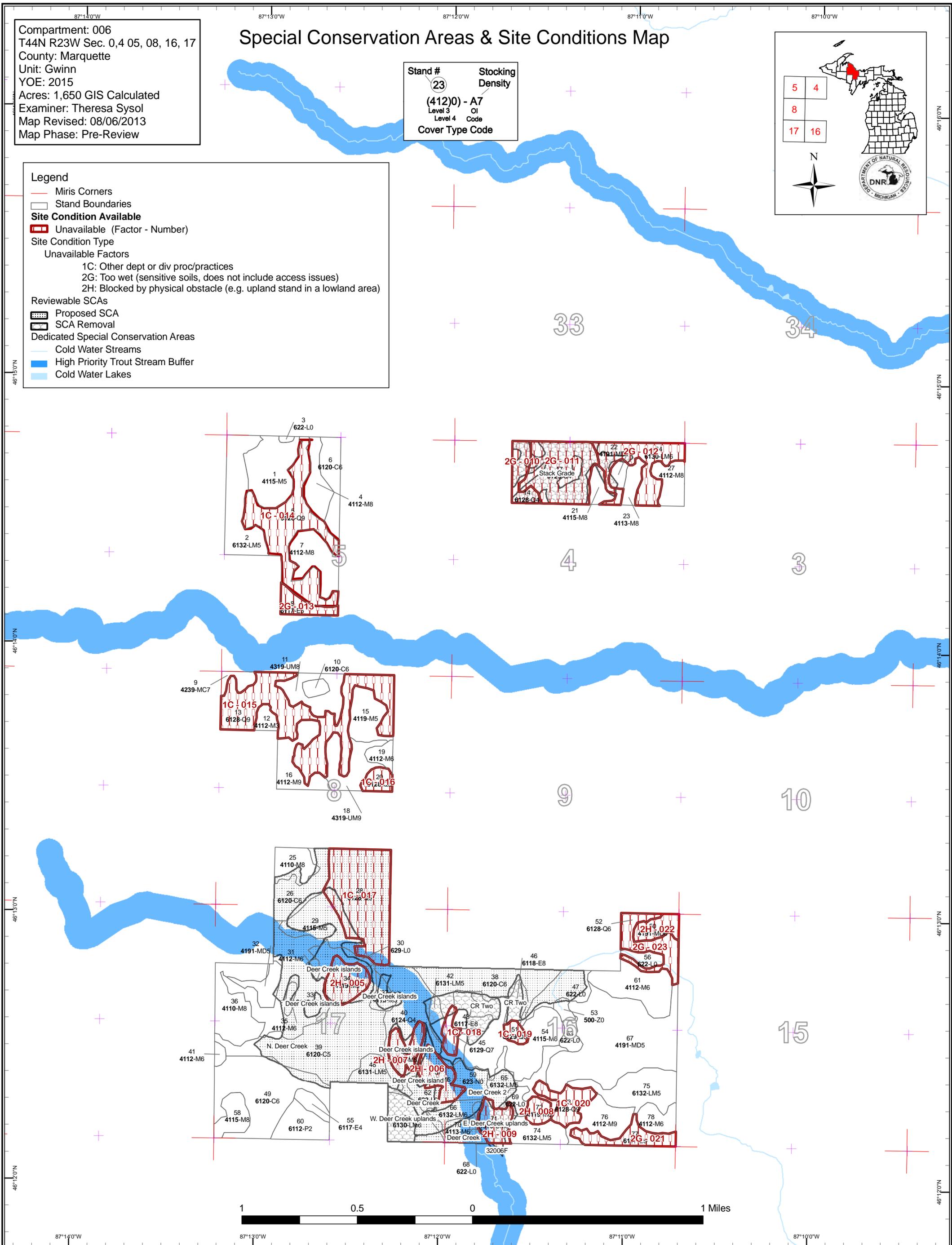
# Special Conservation Areas & Site Conditions Map

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



**Legend**

- Miris Corners
- Stand Boundaries
- Site Condition Available**
- Unavailable (Factor - Number)
- Site Condition Type
- Unavailable Factors
  - 1C: Other dept or div proc/practices
  - 2G: Too wet (sensitive soils, does not include access issues)
  - 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- Reviewable SCAs
  - Proposed SCA
  - SCA Removal
- Dedicated Special Conservation Areas
  - Cold Water Streams
  - High Priority Trout Stream Buffer
  - Cold Water Lakes



87°14'0"W      87°13'0"W      87°12'0"W      87°11'0"W      87°10'0"W

46°15'0"N      46°14'0"N      46°13'0"N      46°12'0"N

Report 1 – Total Acres by Cover Type and Age Class



	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	
Cedar	0	0	0	0	0	0	0	23	0	214	0	0	0	0	238
Lowland Aspen/Balsam Poplar	18	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Lowland Conifers	0	0	0	0	0	0	0	71	115	190	0	0	0	0	376
Lowland Deciduous	0	0	0	0	0	0	0	26	16	10	0	0	0	0	52
Lowland Mixed Forest	0	0	0	0	0	0	0	65	93	58	14	0	0	23	253
Lowland Shrub	60	0	0	0	0	0	0	0	0	0	0	0	0	0	60
Marsh	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	5	0	0	0	0	0	0	11	0	11	0	0	0	102	129
Northern Hardwood	6	0	0	0	0	0	0	0	60	332	0	0	0	48	445
Upland Conifers	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6
Upland Mixed Forest	0	0	0	0	0	0	0	0	14	44	0	0	0	0	57
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4
<b>Total</b>	<b>105</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>196</b>	<b>297</b>	<b>866</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>173</b>	<b>1650</b>



## Report 2 – Proposed Treatment Summaries

**Gwinn Mgt. Unit**  
**Year of Entry 2015**

**Compartment 006**  
**Total Compartment Acres: 1,650**

### Acres by Treatment Type

Commercial Harvest - 208    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 Coniferous Forest	0	0	0	22	0	0	22
Lowland Deciduous Forest	19	0	0	0	0	0	19
Mixed Upland Deciduous	3	0	0	0	11	0	14
Northern Hardwood	0	104	0	0	35	0	139
Upland Mixed Forest	0	0	0	0	14	0	14
<b>Total</b>	<b>22</b>	<b>104</b>	<b>0</b>	<b>22</b>	<b>60</b>	<b>0</b>	<b>208</b>



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	32006016-Cut	16.3	4112 - Maple, Beech, Cherry Association	High Density Log	92	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Selectively mark hardwoods, using marking guidelines, to an average residual BA of 80-90. Retain species diversity by leaving all cedar and hemlock, and any wildlife cavity/snag trees. Reserve yellow birch greater than 18" and promote black cherry.</p> <p><u>Specs:</u></p> <p><u>Other</u> Create canopy gaps around residual cherry, where possible, and also cut some cherry which is splitting/overmature. Leave snags trees.</p> <p><u>Comments:</u> Pockets of good regeneration already becoming established - lots of seedlings 3-5', with lesser amounts 5-10' and 10-20' . N. tip of stand does not require treatment - thinned hard.</p> <p><u>Next</u> Monitor for successful regeneration of northern hardwoods.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p>										
19	32006019-Cut	6.4	4112 - Maple, Beech, Cherry Association	High Density Pole	92	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
<p><u>Prescription</u> Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy wildlife trees. Create regeneration openings, where appropriate, and enhance any existing regeneration areas.</p> <p><u>Specs:</u></p> <p><u>Other</u> Leave all hemlock, yellow birch, but mark some overmature cherry, which is in decline.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor for successful regeneration of northern hardwoods.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p>										
43	32006043-Cut	11.4	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	76	81-110	Harvest	Clearcut with Reserves	6112 - Lowland Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Remove all fir, black spruce, aspen, paper birch (but leave any PB &lt;7" dbh). Remove some red maple (by spec. designating leaving nice, pole crop trees and oversized wildlife trees, and cut remainder).</p> <p><u>Specs:</u></p> <p><u>Other</u> Exclude areas of lowland conifers from cut where there are heavier concentrations of cedar. All cedar, hemlock, yellow birch, white pine to be left throughout; leave a few larger white spruce also, mainly in the heavier hardwood area. Reserve all black cherry.</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor for successful regeneration of lowland aspen, birch. and mixed conifers.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p>										
46	32006046-Cut	7.7	6118 - Lowland Deciduous with Cedar	Medium Density Log	76	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Cmpt. Review Proposal
<p><u>Prescription</u> Remove all merchantable fir, spruce (narrow strip - no need for retention), and red maple. Leave small diameter paper birch for diversity/seed source.</p> <p><u>Specs:</u></p> <p><u>Other</u> Will need right conditions to log, due to drainages. Avoid treating wetter edges, or crossing drainage. Leave all cedar, hemlock (trace), yellow birch (trace).</p> <p><u>Comments:</u></p> <p><u>Next</u> Monitor for successful regeneration of lowland aspen, conifers.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>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
61 32006061-Cut	32.0	4112 - Maple, Beech, Cherry Association	High Density Pole	87	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy wildlife trees. Maintain species diversity. Leave white spruce, white pine, cedar and hemlock. Create regeneration openings, where appropriate, and enhance existing regeneration areas.

Other Comments: Some ash within stand; evaluate health at time of marking for either retention or harvest. Look for opportunities to reserve large yellow birch (pileated woodpecker).

Next Steps: Monitor until adequate regeneration is achieved, per work instructions. Acceptable regeneration of mixed upland hardwoods is desired, although a component of coniferous species is acceptable.

Proposed Start Date: 10/01/2014

67 32006067-Cut	2.8	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	89	51-80	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription Specs: Harvest all aspen, balsam fir. Retain all hemlock, white spruce, white pine, and cedar. Leave some paper birch, red maple.

Other Comments: Numerous dead/dying aspen; heavy blowdown. Salvage as much as possible - treat with adjacent stand to create more marketable sale.

Next Steps: Monitor for successful regeneration of aspen, hardwoods, and mixed conifers.

Proposed Start Date: 10/01/2014

76 32006076-Cut	19.6	4112 - Maple, Beech, Cherry Association	High Density Log	92	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
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Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy YB and RM wildlife trees. Efforts can be made to try and regenerate these species also. Maintain species diversity. Leave some white spruce for seed trees. Create regeneration openings, where appropriate, and enhance existing regeneration areas. Leave all cedar, hemlock, white pine.

Other Comments: Requires private access and should be winter harvest only or dry summer. No treatment required in south finger.

Next Steps: Monitor for successful regeneration of northern hardwoods, per work instructions.

Proposed Start Date: 10/01/2014

78 32006078-Cut	11.5	4112 - Maple, Beech, Cherry Association	High Density Pole	92	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal
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Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy YB and RM wildlife trees. Efforts can be made to try and regenerate these species also. Promote black cherry. Maintain species diversity. Leave some white spruce for seed trees. Create regeneration openings, where appropriate, and enhance existing regeneration areas. Leave all cedar, hemlock, white pine.

Other Comments: Private access required, and should be harvested during winter or dry summer only.

Next Steps: Monitor for successful regeneration of northern hardwoods.

Proposed Start Date: 10/01/2014

**Total Treatment  
Acreage Proposed: 107.6**

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34 32006034-Cut	18.3	4119 - Mixed Northern Hardwoods	High Density Pole	92	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy YB and RM wildlife trees. Efforts can be made to try and regenerate these species also. Maintain species diversity. Leave some white spruce for seed trees. Create regeneration openings, where appropriate, and enhance existing regeneration areas.

Other Comment: Leave all white pine, cedar, hemlock. Evaluate ash health during marking - retain all W. Ash, if possible. Difficult access across wetlands.

Next Steps: Monitor for successful regeneration of northern hardwoods, per work instructions.

Proposed Start Date: 10/01/2014

Limiting Factor 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

44 32006044-Cut	12.7	4119 - Mixed Northern Hardwoods	Medium Density Pole	87	51-80	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy wildlife trees. Maintain species diversity, leaving all cedar, hemlock. Leave some white spruce for seed trees. Create regeneration openings, where appropriate.

Other Comment: Need to cross several drainages/creek to access.

Next Steps:

Proposed Start Date: 10/01/2014

Limiting Factor 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

50 32006050-Cut	10.8	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	76	81-110	Harvest	Crown Thinning	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal
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Prescription Specs: Remove aspen, paper birch, fir and spruce. Some windfirm spruce can be left. Leave all hemlock, cedar, white pine. Mark maple, yellow birch, cherry to cut. Promote black cherry by leaving most of the larger trees as seed source.

Other Comment: Prescribed once before, but never cut, due to wet, soft non-freezing conditions preventing access. Not sure if harvest will be possible yet.

Next Steps:

Proposed Start Date: 10/01/2014

Limiting Factor 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

52 32006052-Cut	22.1	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	76	51-80	Harvest	Shelter Wood with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Specs: Remove mature balsam fir, spruce, paper birch and aspen.

Other Comment: Cut only those areas accessible from prescribed adjacent stand. Stand may be too wet to harvest or access.

Next Steps:

Proposed Start Date: 10/01/2014

Limiting Factor 2G: Too wet (sensitive soils, does not include access issues)

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
57 32006057-Cut	15.8	4112 - Maple, Beech, Cherry Association	High Density Pole	89	111-140	Harvest	Crown Thinning	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy wildlife trees. Maintain species diversity. Leave some white spruce for seed trees. Leave all hemlock, cedar. Create regeneration openings, where appropriate, and enhance existing regeneration areas.

Other Comment: Difficult access across Deer Creek.

Next Steps:

Proposed Start Date: 10/01/2014

Limiting Factor 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

71 32006071-Cut	13.7	4319 - Mixed Upland Forest	Medium Density Pole	88	81-110	Harvest	Crown Thinning	4312 - Hemlock, Mixed Deciduous	Cmpt. Review Proposal
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Prescription Specs: Selectively thin, using marking guidelines, managing for best tree in place to improve stand quality. Retain higher BA, where cedar, hemlock, yellow birch patches are present and encourage new regeneration, if possible. Leave all hemlock, cedar, white pine. Reserve black cherry.

Other Comment: Limited to no access to stand, due to surrounding drainages. Possibly treat from south across private access if opportunity ever arises.

Next Steps:

Proposed Start Date: 10/01/2014

Limiting Factor 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

72 32006072-Cut	6.8	4119 - Mixed Northern Hardwoods	High Density Pole	85	111-140	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal
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Prescription Specs: Selectively thin hardwoods to 70-90 BA, using hardwood marking guidelines. Retention will include the under-represented species (i.e. yellow birch, cherry). Look for opportunities to retain supercanopy YB and RM wildlife trees. Maintain species diversity. Leave some white spruce for seed trees. Leave all hemlock, cedar, white pine. Enhance existing regeneration areas.

Other Comment: Difficult access due to numerous drainages and wet grounds.

Next Steps:

Proposed Start Date: 10/01/2014

Limiting Factor 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)

**Total Treatment Acreage Proposed: 100.3**

## Report 5 – Site Conditions

Gwinn Mgt. Unit  
Theresa Sysol : Examiner

Compartment 006  
Year of Entry 2015

### Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	2H	2G	1C
	Available	Not Available					
238	237	0	Cedar	237			0
18	18		Lowland Aspen/Balsam Poplar	18			
375	51	325	Lowland Conifers	51		81	244
52	26	27	Lowland Deciduous	26		27	0
252	218	34	Lowland Mixed Forest	218		34	0
129	118	11	Mixed Upland Deciduous	118	11		
445	389	56	Northern Hardwood	389	54		2
6	6		Upland Conifers	6			
57	44	14	Upland Mixed Forest	44	14		
1,573	1,107	466	Total Forested Acres	1,107	78	142	246
	70%	30%	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
005	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	18				
<b>Comments:</b>							
006	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	16	3J: Water quality / BMPs (stream, river, or lake)	2E: Road needed		
<b>Comments:</b>							
007	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	13	3J: Water quality / BMPs (stream, river, or lake)	2E: Road needed		
<b>Comments:</b>							

## Report 5 – Site Conditions

Gwinn Mgt. Unit  
Theresa Sysol : Examiner

Compartment 006  
Year of Entry 2015

008	<b>Not Available</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	7	2G: Too wet (sensitive soils, does not include access issues)	<b>2E: Road needed</b>
<b>Comments:</b>					
009	<b>Not Available</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	14	2G: Too wet (sensitive soils, does not include access issues)	<b>2E: Road needed</b>
<b>Comments:</b>					
010	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	13		
<b>Comments:</b>					
011	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	46	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	
<b>Comments:</b>					
012	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	34		
<b>Comments:</b> A harvest was previously attempted and dropped, due to constraints listed					
013	<b>Not Available</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	3J: Water quality / BMPs (stream, river, or lake)	4A: No merchantable products (see product standards) 5D: Unproductive Forest Land
<b>Comments:</b>					

## Report 5 – Site Conditions

Gwinn Mgt. Unit  
Theresa Sysol : Examiner

Compartment 006  
Year of Entry 2015

014	<b>Not Available</b>	<b>1C: Other dept or div proc/practices</b>	60	2G: Too wet (sensitive soils, does not include access issues)
<b>Comments:</b> Cedar and hemlock areas with some natural drainages. Portions of stand have been treated in the past, but no current needs - insufficient volume.				
015	<b>Not Available</b>	<b>1C: Other dept or div proc/practices</b>	84	2G: Too wet (sensitive soils, does not include access issues)      3J: Water quality / BMPs (stream, river, or lake)
<b>Comments:</b> Cedar and hemlock, with several drainages noted, some surface water and perched root systems.				
016	<b>Not Available</b>	<b>1C: Other dept or div proc/practices</b>	7	
<b>Comments:</b>				
017	<b>Not Available</b>	<b>1C: Other dept or div proc/practices</b>	69	2G: Too wet (sensitive soils, does not include access issues)
<b>Comments:</b>				
018	<b>Not Available</b>	<b>1C: Other dept or div proc/practices</b>	7	
<b>Comments:</b>				
019	<b>Not Available</b>	<b>1C: Other dept or div proc/practices</b>	5	
<b>Comments:</b>				

## Report 5 – Site Conditions

Gwinn Mgt. Unit  
Theresa Sysol : Examiner

Compartment 006  
Year of Entry 2015

020	Not Available	1C: Other dept or div proc/practices	16	2G: Too wet (sensitive soils, does not include access issues)
<b>Comments:</b>				
021	Not Available	2G: Too wet (sensitive soils, does not include access issues)	16	
<b>Comments:</b>				
022	Not Available	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	2B: Unknown if access through adjacent landowner(s) is possible
<b>Comments:</b>				
023	Not Available	2G: Too wet (sensitive soils, does not include access issues)	22	2B: Unknown if access through adjacent landowner(s) is possible
<b>Comments:</b>				



## 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
<b>Deer Creek island</b> <b>Comments</b> Upland hardwood island within Deer Creek branches; potential raptor habitat	Habitat Areas or Corridors	Other Habitat Area	<b>SCA</b>	18.9
<b>Deer Creek</b> <b>Comments</b> Deer Creek and branches with lowland conifers; marshes	Spring-Seeps, Riparian Areas	Riparian Area	<b>SCA</b>	26.9
<b>Deer Creek 2</b> <b>Comments</b> marshes, Deer Creek; one branch falls under static riparian protection	Habitat Areas or Corridors	Habitat Corridor	<b>SCA</b>	36.6
<b>Deer Creek islands</b> <b>Comments</b> Upland hardwood islands within cedar swamp; potential raptor habitat, deer corridors	Habitat Areas or Corridors	Other Habitat Area	<b>SCA</b>	84.9
<b>N. Deer Creek</b> <b>Comments</b> some deer wintering in this area in addition to riparian	Habitat Areas or Corridors	Habitat Corridor	<b>SCA</b>	318.0
<b>32006F</b> <b>Comments</b> could be managed with adjacent compartment as long as creek buffer is maintained	Spring-Seeps, Riparian Areas	Riparian Area	<b>SCA Removal</b>	1.1
<b>E. Deer Creek uplands</b> <b>Comments</b> Static riparian SCA would still be in place	Potential Old Growth		<b>SCA Removal</b>	14.5
<b>W. Deer Creek uplands</b> <b>Comments</b> management access from the south possible while protecting riparian zone - not old growth	Potential Old Growth		<b>SCA Removal</b>	16.1
<b>CR Two</b> <b>Comments</b> more upland type, with active management - not old growth	Potential Old Growth		<b>SCA Removal</b>	31.2
<b>Stack Grade</b> <b>Comments</b> lowland types with some timber areas which provides wildlife cover/refuge - not old growth	Potential Old Growth		<b>SCA Removal</b>	52.8



## 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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4115 - Y.Birch, Hemlock NH	Medium Density Pole	34.8	Uneven Age	51-80	T. sale #034-00 "Stack Grade Hardwood" (units 2,4,9) - cut 2000 - 2002. A variety of regeneration present.
2	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	37.3	92		Wet stand with drainage issues.
4	4112 - Maple, Beech, Cherry Association	Medium Density Log	16.6	92	81-110	T. sale #034-00 "Stack Grade Hardwood" (unit 5,8) - select and shelterwood cut 2001-02. A few pockets heavier to mixed conifer (shelterwood areas). Ground cover of club moss, bunchberry.
5	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	58.9	92	81-110	Portions of stand treated under t. sale #034-00 "Stack Grade Hardwood" (units 2, 3, 6) - shelterwood cut 2000-2002.
6	6120 - Lowland Cedar	High Density Pole	17.8	99	111-140	Cedar with lowland brush; sphagnum. Trace amount of white spruce, paper birch and yellow birch.
7	4112 - Maple, Beech, Cherry Association	Medium Density Log	25.6	92	51-80	T. sale #034-00 "Stack Grade Hardwood" (unit 7) - select cut 2001-02.
8	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	10.3	92		Wet, lowland stand with some drainages feeding into Werners Creek.
9	42390 - Mixed Non-Pine Upland Conifers	Low Density Log	6.0	95	1-50	T. sale # 002-95 "Deer Trail Block" (unit 5) - select cut July - Nov, 2000. Scattered hemlock and white pine with fir residual in clumps/patches. Ground cover of bracken fern, club moss.
10	6120 - Lowland Cedar	High Density Pole	4.5	97	81-110	Some patches of thicker black spruce within. Ground cover of sphagnum, bunchberry, lab tea noted, as well as some <1' red maple and cherry seedlings.
11	4319 - Mixed Upland Forest	Medium Density Log	21.3	92	51-80	T. sale #024-05 "Deer Trail Block" (unit 1 - W side of road) - cut March, 2008 and (unit 2 - E side of road) - cut Feb, 2008. Ground cover of bracken fern, princess pine, blueberry, raspberry, maple seedlings noted.
12	4112 - Maple, Beech, Cherry Association	High Density Sapling	5.8	3		Residual white pine, hemlock over even-aged maple/cherry regeneration. T. sale #002-95 "Deer Trail Block (unit 1) - cut June, 2000 and t. sale #024-05 "Deer Trail Block" cut 2009-10. Ground cover of raspberries, grasses, sedge.
13	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	83.8	97	81-110	Thicker patches of hemlock with cedar throughout. Ground cover includes sphagnum, starflower, bunchberry, labrador tea, grasses.
14	6128 - Lowland Coniferous, Mixed Deciduous	Low Density Pole	13.3	92		Lowland brush with ash, balsam fir.
15	4119 - Mixed Northern Hardwoods	Medium Density Pole	19.6	92	51-80	T. sale #024-05 "Deer Trail Block" (unit 3) - cut Jan-Feb, 2010. Ground cover includes: club moss, princess pine, sedges/grasses.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	4112 - Maple, Beech, Cherry Association	High Density Log	22.4	92	81-110	T. sale #002-95 "Deer Trail Block" (unit 2) - select cut fall, 1998 - spring, 2000. Ready for another light thinning to encourage regeneration.
17	6129 - Mixed Coniferous Lowland Forest	Low Density Pole	45.8	84		Patch islands of timber within lowlands - very low quality stand. Ground cover noted includes sphagnum, bunchberry, lab tea, highbush blueberry.
18	4319 - Mixed Upland Forest	High Density Log	22.4	92	81-110	Select cut under t. sale #002-95 "Deer Trail Block" (unit 3) - August-Sept, 1998. Patches of hemlock with maple/birch intermixed. Mainly balsam fir understory. Ground cover of club moss, grasses, bracken fern.
19	4112 - Maple, Beech, Cherry Association	High Density Pole	6.4	92	111-140	T. sale #002-95 "Deer Trail Block" (unit 3) - select cut August-Sept, 1998. Ground cover full of small maple seedlings (1-2' hts).
20	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	7.4	94		Quite a bit of dead balsam fir in overstory. Ground cover includes bunchberry, sedge.
21	4115 - Y.Birch, Hemlock NH	Medium Density Log	7.7	92	51-80	T. sale # 023-05 "Stack Grade North" (Unit 1) - select cut Jan-Feb, 2010. Some maple sprout/clump regeneration. Ground cover of club moss, princess pine, starflower, raspberry noted.
22	4191 - Mixed Upland Deciduous with Conifer	Low Density Sapling	5.0	3	1-50	T. sale #023-05 "Stack Grade North" (unit 4) - cut Dec, 2009. Wetter grounds - old corduroy remnant and minor ruts from cut visible. Some uprooted trees - low residual BA (~10).
23	4113 - R.Maple, Conifer	Medium Density Log	7.8	92	51-80	T. sale #023-95 "Stack Grade North" (unit 2) - cut Jan-Feb, 2010. Ground cover of club moss, princess pine, sedge, raspberries, blackberry noted.
24	6130 - Fir, Aspen, Maple	High Density Pole	33.9	84		Wet soils. Some slightly higher ground with better spruce/fir.
25	4110 - Sugar Maple Association	Medium Density Log	14.9	92	81-110	T. sale #027-05 "Tower Hardwood" - cut Feb, 2008. Regeneration "holes" created with good regeneration success - some browse noted on seedlings, though. Large yellow birch - good crown form, but a lot are dead and/or dying; wildlife trees only. Conifers mainly on stand edges. Raspberry ground cover.
26	6120 - Lowland Cedar	High Density Pole	23.4	76		Fairly open understory - little regeneration. Some dead fir and spruce within; blowdown. Trace amounts of white spruce, hemlock, white pine. Old "grade"/skid trails with 10-20' tagalder.
27	4112 - Maple, Beech, Cherry Association	Medium Density Log	14.4	92	1-50	T. sale #023-05 "Stack Grade North" (unit 3) - cut Feb, 2010. Good ground cover of seedlings; also sedge, club moss and raspberries (esp. heavy within old skid trails).
28	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	69.0	86		Thicker shrub/understory layer with more open canopy.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
29	4115 - Y.Birch, Hemlock NH	Medium Density Pole	26.2	92	51-80	Ridges and swales - older, legacy type maple, yellow birch with red maple saplings/poles with conifer/ash swales intermixed. Balsam fir dead, snapped and/or dying (blowdown) - regeneration started. Ground cover of club moss, princess pine on uplands.
31	4112 - Maple, Beech, Cherry Association	High Density Pole	2.2	90		Island stand of hardwood with thicker conifer along edges.
32	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	10.7	92	51-80	T. sale #003-95 "Double Blind Block" (unit 2) - cut 1999. Removed aspen, fir, spruce and larger hardwood. Stand is a mix of hardwood poles with heavier concentrations of
33	6132 - Mixed Lowland Forest with Cedar	Low Density Pole	58.9	75		Wet swamp stand with sapling ash (dead/dying) and scattered merchantable birch, fir, spruce, cedar. Sphagnum, lichen, grasses ground cover noted. Heavy tagalder.
34	4119 - Mixed Northern Hardwoods	High Density Pole	18.3	92	111-140	Remote island stand of hardwood - difficult to access.
35	4112 - Maple, Beech, Cherry Association	High Density Pole	3.0	92	81-110	Island stand of hardwood - low quality stems, firewood quality only. Dead hemlock snag, dead fir. Heavy club moss ground cover.
36	4110 - Sugar Maple Association	Medium Density Log	34.3	92	81-110	T. sale #003-95 "Double Blind Block" (unit 1) - select cut fall, 1996-98. Larger maple primarily wildlife quality (crook, forks, cavities, splits and breakage) - comprises ~20-30 BA of stand. Some patch areas with higher pole concentrations.
37	4115 - Y.Birch, Hemlock NH	Medium Density Pole	7.2	93		Small area of maple/conifers.
38	6120 - Lowland Cedar	High Density Pole	42.9	98		Some mixed conifers and hardwood within.
39	6120 - Lowland Cedar	Medium Density Pole	84.4	90		Patchy old, wildlife quality maple/birch overtopping smaller diameter stems of fir, cedar (4" dbh). Some areas heavier to more pure, larger cedar, and some uprooting noted. Wet site.
40	6124 - Lowland Spruce- Fir	Low Density Pole	48.9	77		Contains Deer Creek. Pockets of flooded, dead timber within tagalder swamp with scattered timber mainly adjacent to uplands.
41	4112 - Maple, Beech, Cherry Association	High Density Pole	2.7	92	81-110	Small hardwood island. T. sale #003-95 "Double Blind Block" (part of Unit1) - thinned fall, 1996-98. Mainly a pole sized stand with larger diameter wildlife quality birch, maple.
42	6131 - Hemlock, White Pine, Maple, Birch	Medium Density Pole	5.9	79	51-80	Small patch of slightly higher ground timber.
43	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	11.4	76	81-110	Mixed stand. Lowland fringes with cedar, hemlock and large spruce grading into small pocket of slightly higher maple/aspen. Aspen is in decline - dead/dying - and should be harvested. Some nice spruce.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4119 - Mixed Northern Hardwoods	Medium Density Pole	12.7	Uneven Age	51-80	Variable timber - some heavier hardwood portions grading into hardwood/conifer mix. Trace amount of cherry noted.
45	6129 - Mixed Coniferous Lowland Forest	Low Density Log	6.6	95	1-50	T. sale #025-05 "CR Two" (unit 4) - cut January, 2010. Left all hemlock, cedar, white pine, and only balsam fir <8" dbh.
46	6118 - Lowland Deciduous with Cedar	Medium Density Log	7.7	76	81-110	Drainages on either side of narrow stand. Overmature aspen, which is in decline - dead/dying.
48	6131 - Hemlock, White Pine, Maple, Birch	Medium Density Pole	11.4	87		
49	6120 - Lowland Cedar	High Density Pole	64.7	90	111-140	Hemlock, spruce mainly on perimeter, near upland. Some "fingers" of ash, red maple with tagalder and heavier fir regeneration.
50	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	10.8	76	81-110	T. sale #004-95 "CR 444 Hardwood Block" (Unit 7) - never cut, due to wet, soft non-freezing conditions preventing access. Some hazel ground cover noted.
51	6129 - Mixed Coniferous Lowland Forest	Medium Density Log	4.7	95	51-80	T. sale #025-05 "CR Two" (unit 2) - cut Jan-Feb, 2010. Shelterwood cut (aspen, birch, spruce/fir removed).
52	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	22.1	76	51-80	Stand was part of sale #004-95 (Unit 7) but never cut, due to lack of freezing conditions.
54	4115 - Y.Birch, Hemlock NH	Medium Density Log	56.9	93	51-80	T. sale #025-05 "CR Two" (unit 1,3) - select cut Jan-Feb, 2010. Mainly red maple stand with good component of hemlock scattered throughout, some as thicker patches. Slightly higher grounds contain sugar maple. Variable regeneration stocking.
55	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	6.6	77	1-50	T. sale #026-05 "County Pit Hardwood" (unit 3) - cut Jan., 2007. Final harvest with leave trees.
57	4112 - Maple, Beech, Cherry Association	High Density Pole	15.8	89	111-140	Difficult access across Deer Creek.
58	4115 - Y.Birch, Hemlock NH	Medium Density Log	12.9	92	51-80	T. sale #026-05 "County Pit Hardwood" (Unit 4) - select cut Jan., 2007. Extremely low quality sugar maple stems; some quality to red maple. Ground cover of raspberry.
60	6112 - Lowland Aspen	Medium Density	18.0	6		T. sale #026-05 "County Pit Hardwood" (unit 1,2) - cut Jan., 2007. Rolling terrain with upland ridges heavier to aspen, maple and lower areas with ash, fir, balsam poplar. Residual leave trees within.
61	4112 - Maple, Beech, Cherry Association	High Density Pole	32.0	87	81-110	T. sale #004-95 "CR 444 Hardwood Block" (unit 8) - select cut Feb-March, 1999. Slightly higher grounds than adjacent stand.
64	6130 - Fir, Aspen, Maple	High Density Pole	23.1	Uneven Age		A mixed stand - primarily lower ground with small upland knob.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
65	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	20.8	95		
66	6132 - Mixed Lowland Forest with Cedar	High Density Pole	13.7	103		contains creek/drainages both ends of stand
67	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	102.2	Uneven Age	51-80	T. sale #004-95 "CR 444 Hardwood Block" (unit 3 - 6) - shelterwood cut Jan, 1996 and Jan, 1997. Mixed upland and lowland grounds - two-aged. Fairly heavy cut, with good regeneration. Small patch (~ 3 acs) of log-sized aspen should be treated with adjacent stand - numerous dead/dying and lots of blowdown already - was not harvested with previous cut.
70	4113 - R.Maple, Conifer	High Density Pole	5.0	88	81-110	Low quality overall - defective maple, cherry with black knot, yellow birch snags. Lower ground strip on west side drops into smaller ash, yellow birch (3-6" dbh), and balsam fir with tagalder. Trace amount of cedar. Some hazel ground cover noted.
71	4319 - Mixed Upland Forest	Medium Density Pole	13.7	88	81-110	Nice hemlock, yellow birch clumps, esp. at north end, with residual overmature/dead aspen, yellow birch over red maple poles elsewhere. Overall stand BA not that high, due to small poles.
72	4119 - Mixed Northern Hardwoods	High Density Pole	6.8	85	111-140	Isolated island of hardwood. Some hazel ground cover.
73	6128 - Lowland Coniferous, Mixed Deciduous	High Density Log	15.7	95	51-80	Some nice thicker hemlock patches. Wet stand - drainage issues.
74	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	15.5	87		Wet stand.
75	6132 - Mixed Lowland Forest with Cedar	Medium Density Pole	32.1	87		Wet lowland swamp.
76	4112 - Maple, Beech, Cherry Association	High Density Log	21.6	92	81-110	T. sale #004-95 "CR 444 Hardwood Block" (unit 2) - select cut 1996.
77	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	16.4	87	51-80	Some larger ash, but mostly saps (3-4" dbh); wet.
78	4112 - Maple, Beech, Cherry Association	High Density Pole	11.5	92	81-110	T. sale #004-95 "CR 444 Hardwood Block" (unit 1) - select cut 1996.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	6220 - Alder/willow	1.0	No	Unspecified	
30	629 - Mixed non-forested wetland	11.0	No	Unspecified	Deer Creek within
47	6220 - Alder/willow	17.8	No	Unspecified	Paper birch saplings 3" dbh avg, 20 - 30 ft ht, balsam fir variable hts and 2 - 5" dbh. Heavy fir perimeter.
53	50 - Water	3.7	No	Unspecified	Pond fringed with balsam fir.
56	6220 - Alder/willow	5.8	No	Unspecified	Old trail road/crossing still visible - unsure of condition, due to snow cover.
59	6239 - Mixed Emergent Wetland	12.1	No	Unspecified	Standing dead snags/timber within. Fringed with fir, spruce, white pine and cedar.
62	6220 - Alder/willow	10.2	No	Unspecified	contains branch of Deer Creek; beaver activity
63	6220 - Alder/willow	6.0	No	Unspecified	Lowland brush with scattered timber - tagalder 10 - 20 ft hts.
68	6220 - Alder/willow	2.5	No	Unspecified	branch of Deer Creek within; fringed with cedar, balsam fir. Tagalder mainly on edges.
69	6220 - Alder/willow	5.7	No	Unspecified	Lowland brush (tagalder 10 - 20' hts)