



Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 61

Entry Year 2016

Acreage: 2,515

County Menominee

Management Area: Green Bay Lake Plain

Revision Date: 06/20/2014

Stand Examiner: Dustin Salter

Legal Description:

T34N R26W Section's 1-4, 9-15

Identified Planning Goals:

The primary forest cover types in this compartment are low quality hardwood, aspen, cedar, and lowland conifer. The majority of the low quality hardwood stands are mature and are in need of a regeneration harvest. We will be relying on stump sprouts to maintain the hardwood component in these stands. The stands regeneration will also include white pine, spruce, and balsam fir. There are a number of lowland ash/hardwood stands prescribed for a regeneration cut, due to the high percentage of mature ash in the compartment as well as the the proximity of the Emerald Ash Borer. There is a substantial amount of beech present in a few of the better quality hardwood stands that are prescribed for a selection cut. In these stands the percentage of beech will be lowered significantly, due to the presence of Beech Bark Disease within 2 to 3 miles. No beech scale was detected at time of inventory. A couple of aspen stands will also be harvested to help maintain an even age distribution within the compartment. A mature lowland conifer stand is being prescribed for a regeneration harvest. Within this stand and the surrounding area the Eastern Larch Beetle has caused significant mortality. The tamarack needs to be harvested before we lose a seed source and while the products are still merchantable.

Soil and topography:

This compartment contains the Lupton-Cathro association, Loxley-Dawson association, Lupton-Tawas association, Deford-Wainola-Rousseau complex, and Onaway fine sandy loam. This compartment contains large amounts of poorly drained black muck and muckey peat over sandy loam and brown sand. There are also areas of well drained fine sandy loam over gravelly fine sandy loam mixed throughout the lower areas. The comp. overall is level with some areas of gently rolling hills.

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

This compartment is on the East half of the county and it is located on the southern tip of a block of state land that is approximately 8 miles wide and 20 miles long. This block of state land extends into Delta County. This compartment is broken up with many private in-holdings and is surrounded by private property. The area is used primarily for outdoor recreational activities. There are some private agricultural lands within a mile of this compartment on the West and South sides.

Unique Natural Features:

Hayward Lake Wetland Complex

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The Hayward Lake Wetland Complex has a master plan that was prepared in July of 2003. The purpose of the plan is to ensure that legal obligations pertaining to the Federal Aid in Wildlife Restoration Act of 1937 (Pittman – Robertson Program) are fulfilled. This complex is managed and maintained by this act.

Watershed and Fisheries Considerations:

This compartment contains 3 lakes which are fully or partially within state ownership. The three lakes are Hayward, Little, and Myers. The Big Brook and Fowler Creek flow through this compartment.

Wildlife Habitat Considerations:

The Hayward Lake Wetland Complex Strategic Plan provides a detailed documentation of the wildlife management plan for Hayward Lake and associated wetlands that dominate the west half of this compartment. Much of the lowland habitat surrounding Hayward Lake is dominated by swamps of cedar, black spruce, tamarack, and lowland brush. These areas are inaccessible, lack merchantability, and will be retained to benefit the unique plant and animal biodiversity they contain. The shorelines of Hayward Lake contain marsh habitat important to waterfowl including mallards, teal, and wood ducks as well as other wetland species like the American bittern and marsh wren. The forested land in the east half of the

compartment is a mix of upland hardwood stands within a matrix of cedar swamp and lowland hardwoods. Several upland hardwood stands will be cut and regenerated, and some mature mast producing trees will be retained to provide food for deer, bear, wild turkey, and other wildlife species. Additional lowland mixed conifer and swamp hardwood stands will be cut and regenerated providing good early successional wildlife habitat.

Mineral Resource and Development Concerns and/or Restrictions

There is a small gravel pit in section 10 in the NESE forty.

Vehicle Access:

The main access into this compartment is off of the Hayward Lake Road, North Bay De Noc Road, and the Schuster Lane. There are also "2 track" roads branching off of these roads that run into other parts of the compartment. The Hayward Lake Road runs through the middle of the compartment, the North Bay De Noc runs on the southern edge, and the Schuster Lane runs through the northeastern portion of the compartment. Access is limited in many parts of the compartment. The only vehicular access to parts of the compartment is through private property. The state does not have any easements with any of the landowners, so permission must be obtained prior to any management activities.

Survey Needs:

About 10 registered corners will need to be set.

Recreational Facilities and Opportunities:

The Hayward Lake access site is within this compartment. Hayward Lake is used heavily for waterfowl hunting. The primary uses are hunting, fishing, and riding ORV's.

Fire Protection:

The majority of the compartment contains cover types that are not prone to large fires. Lowland conifer and hardwood stands along with northern hardwood stands make-up a substantial portion of the compartment. There is an abundant amount of water available for fire suppression. Vehicle access is very limited in portion of the compartment.

Additional Compartment Information:

This stand has significant mortality from the Eastern Larch Beetle in the tamarack, invasive Phragmites is prevalent throughout the compartment, Beech Bark Disease is in very close proximity and portions of this compartment contain a high percentage of beech, and this compartment contains a high percentage of ash that should be harvested with the proximity of the Emerald Ash Borer. Many discussions will have to take place to obtain permission for a logging contractor to cut many of the prescribed stands.

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**

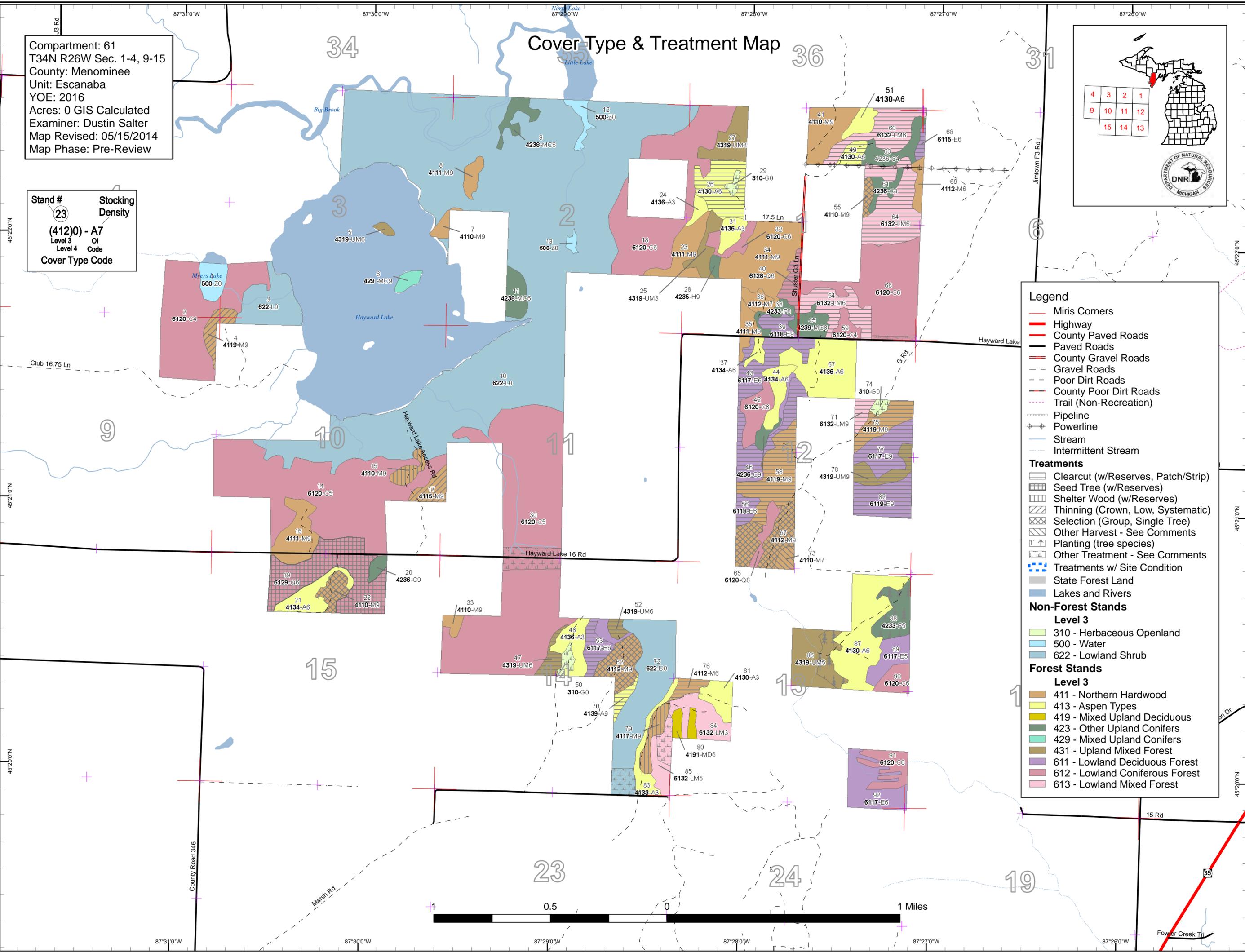
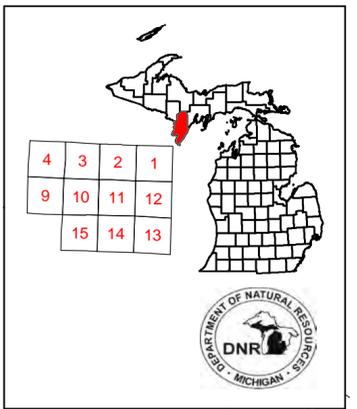
The following information is displayed, where pertinent, on the attached compartment maps:

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

Compartment: 61
 T34N R26W Sec. 1-4, 9-15
 County: Menominee
 Unit: Escanaba
 YOE: 2016
 Acres: 0 GIS Calculated
 Examiner: Dustin Salter
 Map Revised: 05/15/2014
 Map Phase: Pre-Review

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

Cover Type & Treatment Map



Legend

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Pipeline
- Powerline
- Stream
- Intermittent Stream

Treatments

- Clearcut (w/Reserves, Patch/Strip)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Other Harvest - See Comments
- Planting (tree species)
- Other Treatment - See Comments
- Treatments w/ Site Condition
- State Forest Land
- Lakes and Rivers

Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

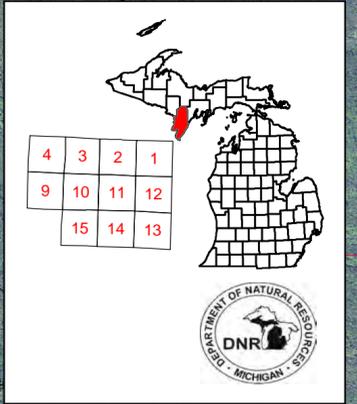


87°31'0"W 87°30'0"W 87°29'0"W 87°28'0"W 87°27'0"W 87°26'0"W

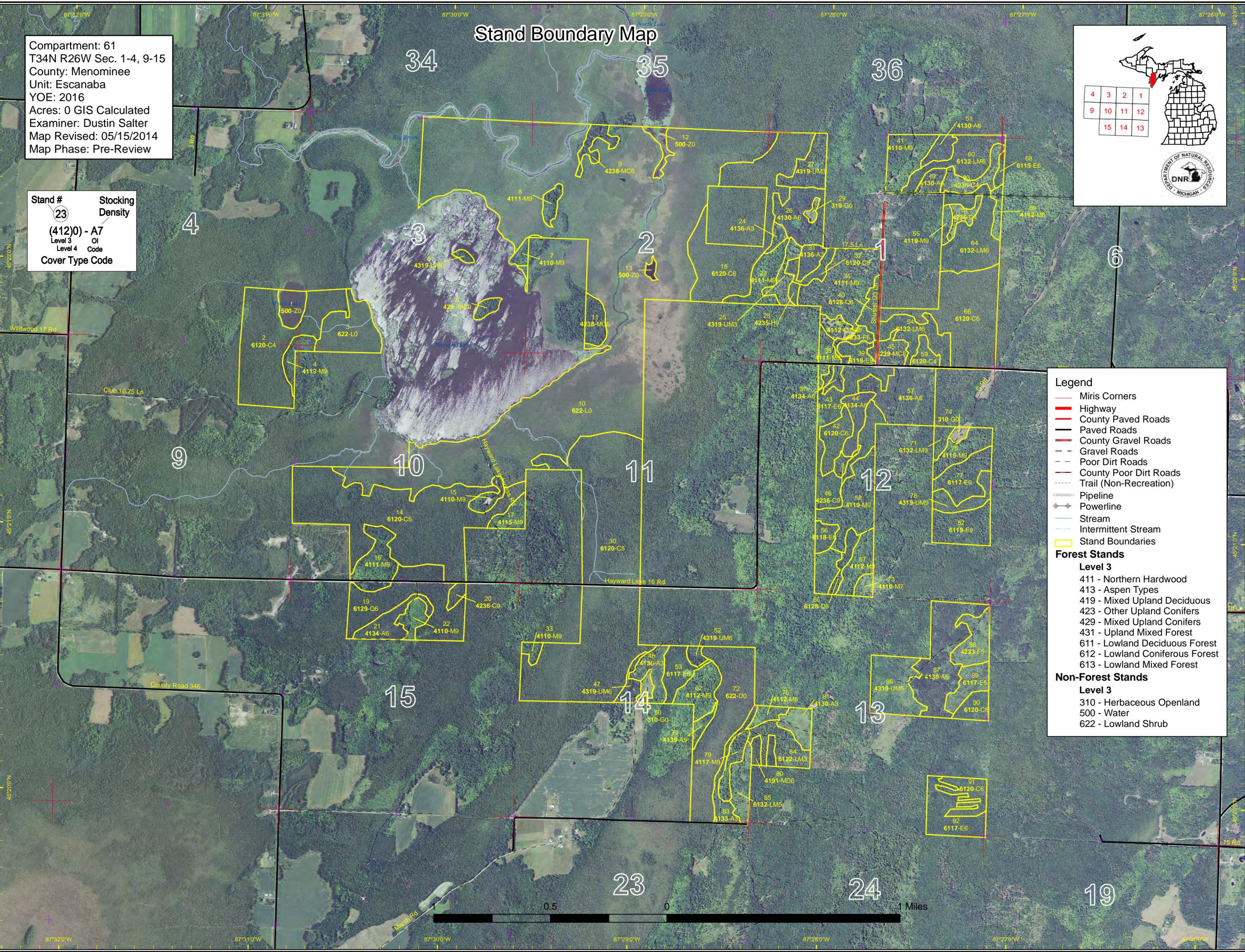
45°21'0"N 45°20'0"N 45°19'0"N

Stand Boundary Map

Compartment: 61
 T34N R26W Sec. 1-4, 9-15
 County: Menominee
 Unit: Escanaba
 YOE: 2016
 Acres: 0 GIS Calculated
 Examiner: Dustin Salter
 Map Revised: 05/15/2014
 Map Phase: Pre-Review



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



Legend

- Miris Corners
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Pipeline
- Powerline
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands

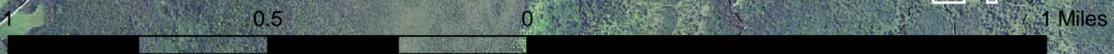
Level 3

- 411 - Northern Hardwood
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Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub



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 |
| Aspen | 37 | 11 | 105 | 15 | 7 | 33 | 4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 212 |
| Cedar | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 557 | 47 | 95 | 0 | 0 | 699 |
| Hemlock | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 2 |
| Herbaceous Openland | 8 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 |
| Lowland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59 | 0 | 16 | 0 | 0 | 0 | 75 |
| Lowland Deciduous | 0 | 0 | 14 | 0 | 27 | 0 | 0 | 0 | 18 | 101 | 8 | 0 | 0 | 0 | 166 |
| Lowland Mixed Forest | 0 | 34 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 26 | 40 | 23 | 0 | 0 | 129 |
| Lowland Shrub | 690 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 690 |
| Mixed Upland Deciduous | 0 | 0 | 0 | 6 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| Northern Hardwood | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 | 19 | 253 | 0 | 0 | 0 | 0 | 298 |
| Treed Bog | 68 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 68 |
| Upland Conifers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 34 | 0 | 0 | 0 | 0 | 34 |
| Upland Mixed Forest | 0 | 10 | 32 | 0 | 0 | 6 | 4 | 0 | 0 | 2 | 12 | 0 | 0 | 18 | 84 |
| Upland Spruce/Fir | 0 | 0 | 17 | 0 | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 25 |
| Water | 18 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18 |
| Total | 821 | 56 | 167 | 21 | 41 | 39 | 8 | 27 | 100 | 975 | 124 | 118 | 0 | 18 | 2515 |



Report 2 – Proposed Treatment Summaries

Escanaba Mgt. Unit
Year of Entry 2016

Compartment 061
Total Compartment Acres: 2,515

Acres by Treatment Type

Commercial Harvest - 493 Tree Planting - 28 Other - 33
 Habitat Cut - 0 Opening Maintenance - 8

Cover Type by Harvest Method

| | <i>Clearcut</i> | <i>Selection</i> | <i>Seed Tree</i> | <i>Shelterwood</i> | <i>Thinning</i> | <i>Other - Specify</i> | <i>Total Acres</i> |
|----------------------------------|-----------------|------------------|------------------|--------------------|-----------------|------------------------|--------------------|
| Aspen Types | 37 | 0 | 0 | 0 | 0 | 0 | 37 |
| Lowland Coniferous Forest | 9 | 0 | 59 | 0 | 0 | 0 | 68 |
| Lowland Deciduous Forest | 119 | 0 | 0 | 0 | 0 | 0 | 119 |
| Lowland Mixed Forest | 95 | 0 | 0 | 0 | 0 | 0 | 95 |
| Northern Hardwood | 56 | 57 | 0 | 16 | 18 | 4 | 152 |
| Upland Mixed Forest | 22 | 0 | 0 | 0 | 0 | 0 | 22 |
| Total | 339 | 57 | 59 | 16 | 18 | 4 | 493 |



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------|-------|---------------------------------|------------------|-----------|----------|----------------|------------------|-------------------------|-----------------------|
| 4 33061004-Cut | 8.8 | 4119 - Mixed Northern Hardwoods | High Density Log | 92 | 141-170 | Harvest | Crown Thinning | 411 - Northern Hardwood | Cmpt. Review Proposal |

Prescription Thinning - Lower the basal area to 80 to 90. This is the stands first thinning, so no regeneration is expected. Manage this stand for mixed
Specs: hardwood.

Other Good quality hardwood stand with dense balsam fir regeneration throughout most of the stand. The only access into this stand is through private
Comments: property.

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|--------------------------------|------------------|----|---------|---------|-------------|--|-----------------------|
| 15 33061015-Cut | 6.9 | 4110 - Sugar Maple Association | High Density Log | 91 | 111-140 | Harvest | Shelterwood | 4191 - Mixed Upland Deciduous with Conifer | Cmpt. Review Proposal |
|-----------------|-----|--------------------------------|------------------|----|---------|---------|-------------|--|-----------------------|

Prescription Shelterwood - Cut all trees greater than 4 inches; except mark 20 to 30 Basal Area to retain. Leave primarily cedar and hemlock where present.
Specs: Along the road and parking lot, do not leave any overstory, so they do not snap off and fall into road. Also, do not leave any overstory where there is aspen. Remove the overstory in the future where the regeneration is ready. This stand is being managed for a mix of mixed conifer and hardwood.

Other Stand was last thinned in 1991 on contract 036-91-01. The majority of the stand has poor quality hardwood with dense balsam fir regeneration.
Comments: There is also some cedar and hemlock regeneration. There is a gravel pit in the center of this stand. The road and parking lot for the Hayward Lake Access Site is within this stand. The road is growing in and needs to be opened up.

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|----------------------------|------------------|----|---------|---------|----------------|--------------------------------|-----------------------|
| 17 33061017-Cut | 9.0 | 4115 - Y.Birch, Hemlock NH | High Density Log | 94 | 141-170 | Harvest | Crown Thinning | 4110 - Sugar Maple Association | Cmpt. Review Proposal |
|-----------------|-----|----------------------------|------------------|----|---------|---------|----------------|--------------------------------|-----------------------|

Prescription Crown Thinning - Reduce the Basal Area down to 80 to 90. Focus on lowering the percentage of beech, but retain where possible 2 - 3 mast
Specs: producing beech per acre. Also release the crop trees. Only cut those hemlock and cedar needed to harvest the mature hardwood. This stand is being managed for high quality hardwood.

Other High quality hardwood stand that doesn't look like it has been thinned in a long time, if ever. There is a high percentage of beech, but no beech
Comments: scale present. There is a steep slope in the stand.

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|------|--|-------------------|----|--|---------|-------------------------|---------------------------------|-----------------------|
| 19 33061019-Cut | 58.7 | 6129 - Mixed Coniferous Lowland Forest | High Density Pole | 81 | | Harvest | Seed Tree with Reserves | 612 - Lowland Coniferous Forest | Cmpt. Review Proposal |
|-----------------|------|--|-------------------|----|--|---------|-------------------------|---------------------------------|-----------------------|

Prescription Seed Tree with Reserves - Cut all trees greater than 4 inches; except leave seed tree clumps every 200 feet apart. The seed tree clumps should
Specs: consist of tamarack, spruce, and cedar. Manage the stand for mixed lowland conifer.

Other Good quality lowland mixed conifer stand. Overall the tamarack and spruce is high quality and the cedar is very poor quality. There is some
Comments: cedar regeneration present within some of the open areas.

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------|-------|--------------------------------|------------------|-----------|----------|----------------|-----------------------|--------------------------------|-----------------------|
| 22 33061022-Cut | 8.9 | 4110 - Sugar Maple Association | High Density Log | 86 | 111-140 | Harvest | Single Tree Selection | 4110 - Sugar Maple Association | Cmpt. Review Proposal |

Prescription Selection - Reduce the Basal Area down to 80 to 90, focusing on releasing the crop trees. This stand is being managed for northern hardwoods.
Specs:

Other Stand was last thinned in 1988 on contract 08-87. High quality sugar maple stand that is in need of a thinning.
Comments:

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|------|--------------|-------------------|----|--|---------|------------------------|-------------|-----------------------|
| 26 33061026-Cut | 26.5 | 4130 - Aspen | High Density Pole | 53 | | Harvest | Clearcut with Reserves | 413 - Aspen | Cmpt. Review Proposal |
|-----------------|------|--------------|-------------------|----|--|---------|------------------------|-------------|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 3 inches; except leave enough retention pockets to have 3% retention. This stand is being managed for aspen.
Specs:

Other Mature aspen stand, with some older stems that are dying out.
Comments:

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|-------------------------------------|------------------|-----|--|---------|------------------------|--------------------------------|-----------------------|
| 39 33061039-Cut | 7.6 | 6118 - Lowland Deciduous with Cedar | High Density Log | 106 | | Harvest | Clearcut with Reserves | 611 - Lowland Deciduous Forest | Cmpt. Review Proposal |
|-----------------|-----|-------------------------------------|------------------|-----|--|---------|------------------------|--------------------------------|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 4 inches; except exclude three dense pockets of cedar within the stand and retain all hemlock and white pine. All species within the excluded cedar pockets will also be retained. The stand will be managed for lowland hardwood and balsam fir.
Specs:

Other Mature lowland deciduous stand with some cedar.
Comments:

Next Regeneration survey next inventory cycle.
Steps:

Proposed
Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|--|-------------------|-----|--|---------|------------------------|----------------------------|-----------------------|
| 40 33061040-Cut | 9.5 | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole | 106 | | Harvest | Clearcut with Reserves | 613 - Lowland Mixed Forest | Cmpt. Review Proposal |
|-----------------|-----|--|-------------------|-----|--|---------|------------------------|----------------------------|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 3 inches; except red line out three pockets of upland cedar within the stand. All species will be retained within these pockets. There is a large one on the north end, one in the middle on the west edge, and then retain one on the south end. This stand is being managed for a mix of lowland species, both deciduous and coniferous.
Specs:

Other Stand is a mix of lowland conifer and deciduous with cedar. There are a couple of upland pockets of cedar within the stand.
Comments:

Next Regeneration survey next inventory cycle. Wildlife Division will create an FTP for planting Red Osier Dogwood and other soft mast species.
Steps:

Proposed
Start Date: 10/01/2015



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------|-------|--|-------------------|-----------|----------|----------------|------------------------|--------------------------------|-----------------------|
| 43 33061043-Cut | 46.2 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole | 91 | | Harvest | Clearcut with Reserves | 611 - Lowland Deciduous Forest | Cmpt. Review Proposal |

Prescription Clearcut with Reserves - Cut all trees greater than 4 inches; except mark to retain a mix of seed tree clumps throughout the stand. Leave a seed tree clump every 200 feet apart. The clumps should consist of a mix of species. Also, delineate out a couple of denser pockets of cedar to retain, focus leaving some of the cedar in the transition zone to stand 43. Manage this stand for lowland deciduous.

Other Mature lowland deciduous stand with some cedar.

Comments:

Next Regeneration survey next inventory cycle.

Steps:

Proposed

Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|----------------------------|-------------------|----|--|---------|------------------------|--------------------------|-----------------------|
| 47 33061047-Cut | 6.5 | 4319 - Mixed Upland Forest | High Density Pole | 55 | | Harvest | Clearcut with Reserves | 4134 - Aspen, Spruce/Fir | Cmpt. Review Proposal |
|-----------------|-----|----------------------------|-------------------|----|--|---------|------------------------|--------------------------|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 3 inches; except retain all cedar and apple trees. This stand will be managed for aspen and balsam fir.

Other Stand is a mix of aspen and balsam fir. There are some apple trees in the southeast part of the stand that should be protected.

Comments:

Next Regeneration survey next inventory cycle.

Steps:

Proposed

Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|--------------|-------------------|----|--|---------|----------|-------------|-----------------------|
| 49 33061049-Cut | 6.1 | 4130 - Aspen | High Density Pole | 56 | | Harvest | Clearcut | 413 - Aspen | Cmpt. Review Proposal |
|-----------------|-----|--------------|-------------------|----|--|---------|----------|-------------|-----------------------|

Prescription Clearcut - Cut all trees greater than 3 inches. Noe retention will be left due to small stand size. Manage this stand for aspen.

Specs:

Other Mature aspen with some maple and balsam fir.

Comments:

Next Regeneration survey next inventory cycle.

Steps:

Proposed

Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|-----|----------------------------|-------------------|----|--|---------|----------|--------------------------|-----------------------|
| 52 33061052-Cut | 3.6 | 4319 - Mixed Upland Forest | High Density Pole | 65 | | Harvest | Clearcut | 4134 - Aspen, Spruce/Fir | Cmpt. Review Proposal |
|-----------------|-----|----------------------------|-------------------|----|--|---------|----------|--------------------------|-----------------------|

Prescription Clearcut - Cut all trees greater than 3 inches; except mark a few balsam fir to retain where there is no aspen. No retention will be left due to the small stand size. Stand will be managed for a mix of aspen and balsam fir.

Other Mature aspen and two-aged balsam fir.

Comments:

Next Regeneration survey next inventory cycle.

Steps:

Proposed

Start Date: 10/01/2015



| S t a n d | Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|--|-------------------|-------|--|-------------------------|--------------|-------------|-------------------|---------------------------|---|--------------------------|
| 53 | 33061053-Cut | 10.8 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole | 84 | | Harvest | Clearcut with Reserves | 611 - Lowland Deciduous Forest | Cmpt. Review Proposal |
| <u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except mark some dense clumps of cedar to retain. But, the main portion of the | | | | | | | | | | |
| <u>Specs:</u> reserves will be the portion of the stand not being cut. Manage this stand for lowland hardwood and balsam fir. | | | | | | | | | | |
| <u>Other</u> Mature lowland hardwood stand, with areas that don't have much merchantable volume. | | | | | | | | | | |
| <u>Comments:</u> | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. | | | | | | | | | | |
| <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> | | | | | | | | | | |
| <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |
| 54 | 33061054-Cut | 23.4 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 112 | | Harvest | Clearcut with Reserves | 613 - Lowland Mixed Forest | Cmpt. Review Proposal |
| <u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except leave some patches of dense cedar. Leave some along the Schuster Road | | | | | | | | | | |
| <u>Specs:</u> and in the middle of the stand to create a corridor for deer to travel through the stand. Manage this stand for lowland hardwood and balsam fir. | | | | | | | | | | |
| <u>Other</u> Mature low quality lowland hardwood and conifer. A lot of cedar near the Hayward Lake Road have dead tops. After the harvest this area would | | | | | | | | | | |
| <u>Comments:</u> be a good location for wildlife to plant Red Osier. | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. Wildlife Division will create an FTP for planting Red Osier Dogwood and other soft mast species. | | | | | | | | | | |
| <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> | | | | | | | | | | |
| <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |
| 55 | 33061055-Cut | 3.7 | 4110 - Sugar Maple Association | High Density Log | 76 | 111-140 | Harvest | Single Tree Selection | 4111 - S.Maple, Hard Mast Association | Cmpt. Review Proposal |
| <u>Prescription</u> Selection harvest - reduce the basal area down to 70 to 80. This is the stands first thinning so no regeneration is expected. | | | | | | | | | | |
| <u>Specs:</u> | | | | | | | | | | |
| <u>Other</u> Nice quality hardwood stand. | | | | | | | | | | |
| <u>Comments:</u> | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. | | | | | | | | | | |
| <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> | | | | | | | | | | |
| <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |
| 56 | 33061056-Cut | 6.6 | 6118 - Lowland Deciduous with Cedar | High Density Pole | 91 | | Harvest | Clearcut with Reserves | 613 - Lowland Mixed Forest | Cmpt. Review Proposal |
| <u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except retain all hemlock and white pine. In addition mark some nice quality cedar | | | | | | | | | | |
| <u>Specs:</u> and yellow birch to retain. This stand is being managed for a mix of lowland hardwood and conifer. | | | | | | | | | | |
| <u>Other</u> Mature lowland hardwood and conifer stand. | | | | | | | | | | |
| <u>Comments:</u> | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. | | | | | | | | | | |
| <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> | | | | | | | | | | |
| <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------|-------|---------------------------------|--------------|-----------|----------|----------------|------------------------|-------------------------|-----------------------|
| 58 33061058-Cut | 34.4 | 4119 - Mixed Northern Hardwoods | High Density | 91 | 81-110 | Harvest | Clearcut with Reserves | 4113 - R.Maple, Conifer | Cmpt. Review Proposal |

Prescription Clearcut with Reserves - Cut all trees greater than 5 inches; except cedar, hemlock and mark some maple, yellow birch, and beech to retain.

Specs: Leave some big maple and beech cavity trees, along with some beech and yellow birch seed trees. Manage this stand for a mix of maple, beech, balsam fir, and white pine.

Other Comments: Stand was thinned between 1993 - 95 on contract 050-92-01. Mature red maple stand with a dense understory of beech and balsam fir regeneration. The maple should be cut before the regeneration becomes too dense to regenerate the maple. The maple does not have enough quality stems to continue thinning it.

Next Steps: Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|------|--|-------------------|----|--|---------|------------------------|--|-----------------------|
| 60 33061060-Cut | 26.1 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 92 | | Harvest | Clearcut with Reserves | 6117 - Lowland Deciduous, Mixed Coniferous | Cmpt. Review Proposal |
|-----------------|------|--|-------------------|----|--|---------|------------------------|--|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 4 inches; except retain some dense patches of cedar. Within these patches all other species will also be retained. Retain enough patches to have 5% retention overall. Manage this stand for lowland hardwood with some conifer.

Other Comments: Mature lowland hardwood stand with some cedar.

Next Steps: Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015

| | | | | | | | | | |
|-----------------|------|---|------------------|----|--------|---------|-----------------------|---|-----------------------|
| 62 33061062-Cut | 18.6 | 4112 - Maple, Beech, Cherry Association | High Density Log | 91 | 81-110 | Harvest | Single Tree Selection | 4112 - Maple, Beech, Cherry Association | Cmpt. Review Proposal |
|-----------------|------|---|------------------|----|--------|---------|-----------------------|---|-----------------------|

Prescription Single Tree Selection - Reduce basal area down to 70 to 80. Focus on lowering the percentage of beech, but retain where possible 2 - 3 mast producing beech per acre. Manage this stand for a mix of northern hardwoods.

Other Comments: Stand was thinned in 1979 and then again in 2002 on contract 027-01-01. The stand is not real dense, but with as high of percentage of beech that is present the amount should be reduced. Beech Bark Disease is present only a few miles away and with other stands prescribed in the adjacent area this stand should be thinned again. There is a dense understory of beech regeneration following the last harvest. The beech trees left will continue to produce hard mast to benefit for deer, bear, and other wildlife, and will later become good cavity nesting habitat.

Next Steps: Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015

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|-----------------|------|--|-------------------|-----|--|---------|------------------------|--|-----------------------|
| 64 33061064-Cut | 40.4 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 101 | | Harvest | Clearcut with Reserves | 6117 - Lowland Deciduous, Mixed Coniferous | Cmpt. Review Proposal |
|-----------------|------|--|-------------------|-----|--|---------|------------------------|--|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 4 inches; except retain some dense cedar patches. In the patches all species will be retained. Manage this stand for lowland hardwoods and balsam fir.

Other Comments: Mature lowland ash stand with cedar.

Next Steps: Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015



| S t a n d | Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|--|-------------------|-------|---|-------------------------|--------------|-------------|-------------------|---------------------------|---|--------------------------|
| 67 | 33061067-Cut | 26.0 | 4112 - Maple, Beech, Cherry Association | High Density Log | 91 | 111-140 | Harvest | Single Tree Selection | 4112 - Maple, Beech, Cherry Association | Cmpt. Review Proposal |
| <u>Prescription</u> Selection Harvest - Reduce the basal area down to 80 to 90. Focus on lowering the percentage of beech, but retain where possible 2 - 3 mast <u>Specs:</u> producing beech per acre. Also remove some of the mature sawlogs. Manage this stand for mixed upland deciduous hardwoods. | | | | | | | | | | |
| <u>Other</u> Stand was last thinned in 1993 to 95 on contract 050-92-01. Good quality hardwood stand with a dense understory of beech regeneration. <u>Comments:</u> There is beech present, but there is beech scale present. The beech trees left will continue to produce hard mast to benefit for deer, bear, and other wildlife, and will later become good cavity nesting habitat. | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |
| 68 | 33061068-Cut | 2.8 | 6115 - Lowland Ash | High Density Pole | 83 | | Harvest | Clearcut with Reserves | 6115 - Lowland Ash | Cmpt. Review Proposal |
| <u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except retain all cedar. Manage this stand for lowland hardwood and balsam fir. <u>Specs:</u> | | | | | | | | | | |
| <u>Other</u> Mature lowland ash stand. <u>Comments:</u> | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |
| 70 | 33061070-Cut | 4.3 | 4139 - Aspen, Mixed Deciduous | High Density Log | 65 | | Harvest | Clearcut with Reserves | 413 - Aspen | Cmpt. Review Proposal |
| <u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except retain all cedar. Manage this stand for aspen. <u>Specs:</u> | | | | | | | | | | |
| <u>Other</u> Overmature aspen stand, in which quite a bit of the aspen has already died out. There is some lowland pockets within the stand. <u>Comments:</u> | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |
| 71 | 33061071-Cut | 5.2 | 6132 - Mixed Lowland Forest with Cedar | High Density Log | 88 | | Harvest | Clearcut with Reserves | 611 - Lowland Deciduous Forest | Cmpt. Review Proposal |
| <u>Prescription</u> Overmature aspen stand, in which quite a bit of the aspen has already died out. There is some lowland pockets within the stand. <u>Specs:</u> | | | | | | | | | | |
| <u>Other</u> Stand was thinned in 2000 on contract 055-96-01. This stand contains mostly low quality hardwood that should be regenerated. <u>Comments:</u> | | | | | | | | | | |
| <u>Next</u> Regeneration survey next inventory cycle. <u>Steps:</u> | | | | | | | | | | |
| <u>Proposed</u> <u>Start Date:</u> 10/01/2015 | | | | | | | | | | |



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------|-------|--------------------------------|-----------------|-----------|----------|----------------|-----------------------------|--|-----------------------|
| 73 33061073-Cut | 4.4 | 4110 - Sugar Maple Association | Low Density Log | 88 | 1-50 | Harvest | Other - Specify in Comments | 4191 - Mixed Upland Deciduous with Conifer | Cmpt. Review Proposal |

Prescription Clearcut - Cut all merchantable trees to try and salvage them. No retention will be left due to significant mortality/die back present. This stand will be managed for beech and spruce/fir primarily. Treat the phragmites when there is funding available.

Other Comments: Stand was cut in 1994 on contract 050-92-01. I am not sure what has occurred, but most of the residual has died or the tops have significant die back. There is some beech and balsam fir regenerating, but overall the stand is open. There is some phragmites in this stand.

Next Steps: Treat the phragmites when there is funding available. Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015

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|-----------------|------|---------------------------------|------------------|----|--------|---------|------------------------|--|-----------------------|
| 75 33061075-Cut | 15.8 | 4119 - Mixed Northern Hardwoods | High Density Log | 94 | 81-110 | Harvest | Clearcut with Reserves | 4191 - Mixed Upland Deciduous with Conifer | Cmpt. Review Proposal |
|-----------------|------|---------------------------------|------------------|----|--------|---------|------------------------|--|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 4 inches; except retain all hemlock. In the higher quality maple area do a Selection Harvest - Reducing the basal area down to 70 to 80. The retention for this stand will be the hemlock and residual hardwood in the selection area. Manage this stand for upland hardwood and balsam fir.

Other Comments: Stand was thinned in 2000-01 on contract 055-96-01. This stand contains mostly low quality hardwood that should be regenerated, but there is a few acre area of higher quality maple in the north part of the stand.

Next Steps: Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015

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|-----------------|-----|---|-------------------|----|--------|---------|----------|----------------------------|-----------------------|
| 76 33061076-Cut | 5.7 | 4112 - Maple, Beech, Cherry Association | High Density Pole | 91 | 81-110 | Harvest | Clearcut | 4319 - Mixed Upland Forest | Cmpt. Review Proposal |
|-----------------|-----|---|-------------------|----|--------|---------|----------|----------------------------|-----------------------|

Prescription Clearcut - Cut all trees greater than 4 inches. No retention will be left; except for the advanced regeneration due to the small stand size. Manage this stand for a mix of upland conifer and hardwood.

Other Comments: This stand was shelterwood cut about 20 years ago and now there is a fully stocked understory of balsam fir, white pine, and beech regeneration. The regeneration needs to be released so the overstory needs to be removed. Overall the overstory contains low quality hardwood.

Next Steps: Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015

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|-----------------|------|--|------------------|----|---------|---------|------------------------|--|-----------------------|
| 77 33061077-Cut | 21.5 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Log | 94 | 111-140 | Harvest | Clearcut with Reserves | 6117 - Lowland Deciduous, Mixed Coniferous | Cmpt. Review Proposal |
|-----------------|------|--|------------------|----|---------|---------|------------------------|--|-----------------------|

Prescription Clearcut with Reserves - Cut all trees greater than 4 inches; except retain all hemlock and mark out some retention pockets centered on some dense cedar areas, reserving all species within them. Manage this stand for a mix of hardwood and spruce/fir.

Other Comments: Stand was thinned in 2000-01 on contract 055-96-01. Stand is a mix of upland and lowland, but both contain red maple and ash. There is phragmites on the East side of this stand, by the corner.

Next Steps: Treat Phragmites when funding becomes available. Regeneration survey next inventory cycle.

Proposed Start Date: 10/01/2015



| S t a n d | Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|---|--------------------------|-------|---|---------------------------|--------------|-------------|-------------------|---------------------------|--|--------------------------|
| 78 | 33061078-Cut | 11.9 | 4319 - Mixed Upland Forest | High Density Log | 107 | 141-170 | Harvest | Clearcut with Reserves | 4191 - Mixed Upland Deciduous with Conifer | Cmpt. Review Proposal |
| <p><u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except hemlock and cedar. In addition leave a few white pine for seed and diversity. Manage this stand for a mix of hemlock, white pine, and upland hardwood.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand was thinned in 2000-01 on contract 055-96-01. Upland hardwood stand with dense areas of hemlock.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regeneration survey next inventory cycle.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p> | | | | | | | | | | |
| 79 | 33061079-Cut | 9.5 | 4117 - Mixed N. Hardwood - Pine | High Density Log | 91 | 81-110 | Harvest | Shelterwood | 4191 - Mixed Upland Deciduous with Conifer | Cmpt. Review Proposal |
| <p><u>Prescription</u> Shelterwood - Cut all trees greater than 4 inches; except mark to leave 20 to 30 basal area to provide partial shade for conifer regeneration. All hemlock will be retained and also focus on retaining more white pine and maple poles. Manage this stand for a mix of upland conifer and hardwood.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand was thinned in 2006-07 on contract 030-06-01. The southern end of the stand has higher quality hardwood, but overall the quality is moderate. The stand is pushing towards conifer, in parts of the stand there is a high amount of white pine regeneration. There is also some balsam fir and hemlock getting established. The overstory should be lowered to release the advanced regen.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regeneration survey next inventory cycle.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p> | | | | | | | | | | |
| 82 | 33061082-Cut | 24.0 | 6119 - Mixed Lowland Deciduous Forest | High Density Log | 94 | 111-140 | Harvest | Clearcut with Reserves | 6117 - Lowland Deciduous, Mixed Coniferous | Cmpt. Review Proposal |
| <p><u>Prescription</u> Clearcut with Reserves - Cut all trees greater than 4 inches; except leave all hemlock and mark out some retention areas where there is a dense pocket of cedar, retaining all species. Also, leave a buffer along the creek on the east side of the stand. Manage this stand for mixed hardwood and balsam fir. Treat Phragmites when funding is available.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand was thinned in 2000-01 on contract 055-96-01. The stand is a mix of lowland ash with ridges of red maple. The stand does not contain enough high quality stems to thin anymore. There is phragmites in the center of this stand.</p> <p><u>Comments:</u></p> <p><u>Next</u> Treat Phragmites when funding is available. Regeneration survey next inventory cycle.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2015</p> | | | | | | | | | | |
| 86 | 33061086- Plant_small | 10.6 | 4319 - Mixed Upland Forest | Medium Density Pole | 23 | | Tree Planting | Hand Plant | 4319 - Mixed Upland Forest | Cmpt. Review Proposal |
| <p><u>Prescription</u> Hand plant white spruce seedlings, per TMS recommendations. Was approved during the last inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Other</u> Stand was clearcut in 1991 on contract 019-86-01. This stand is on FTP 33-590 to hand plant white spruce. The FTP was sent in, in 2005, but has not been planted. Now there is only about 10 acres that are open that need to be planted.</p> <p><u>Comments:</u></p> <p><u>Next</u> Regeneration survey following planting.</p> <p><u>Steps:</u></p> <p><u>Proposed</u></p> <p><u>Start Date:</u> 10/01/2014</p> | | | | | | | | | | |



| S t a n d | Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------------|----------------------------|-------|--------------------|---------------------------|--------------|-------------|-------------------|---------------------|-------------------------|--------------------------|
| 88 | 33061088- Plant | 17.5 | 42330 - Upland Fir | Medium Density Pole | 23 | | Tree Planting | Hand Plant | 42330 - Upland Fir | Cmpt. Review Proposal |

Prescription Hand plant white spruce in open areas of the stand. Less than half of the stand will need to be planted. This treatment was approved at the last review in 2004 and is on FTP 33-590 to plant.

Other Stand was clearcut in 1991 on contract 019-86-01. The stand is on FTP 33-590 to hand plant white spruce. The FTP was sent in, in 2005 but still hasn't been planted.

Next Regeneration survey following planting.

Proposed
Start Date: 10/01/2014

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|----|--------------------------------|-----|-----------------------------------|--|--|--|--------------------------|-----------------|------------------------------|--------------------------|
| 29 | NF_33061029- NonFor | 2.1 | 3105 - Mixed Upland Herbaceous | | | | Non-Forest Management | Other - Specify | 310 - Herbaceous Openland | Cmpt. Review Proposal |
|----|--------------------------------|-----|-----------------------------------|--|--|--|--------------------------|-----------------|------------------------------|--------------------------|

Prescription Opening enhancement. Cut brush and encroaching tree species, mow, herbicide, lime, fertilize, plant both annual and perennial herbaceous plants as well as hard/soft mast producers within the opening boundaries for the benefit of both game and non-game species.

Other
Comments:

Next Complete FTP and yearly maintenance

Proposed
Start Date: 10/01/2014

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|----|--------------------------------|-----|-----------------------------------|--|--|--|--------------------------|-----------------|------------------------------|--------------------------|
| 50 | NF_33061050- NonFor | 3.5 | 3105 - Mixed Upland Herbaceous | | | | Non-Forest Management | Other - Specify | 310 - Herbaceous Openland | Cmpt. Review Proposal |
|----|--------------------------------|-----|-----------------------------------|--|--|--|--------------------------|-----------------|------------------------------|--------------------------|

Prescription Opening enhancement. Cut brush and encroaching tree species, mow, herbicide, lime, fertilize, plant both annual and perennial herbaceous plants as well as hard/soft mast producers within the opening boundaries for the benefit of both game and non-game species.

Other
Comments:

Next Complete FTP and yearly maintenance

Proposed
Start Date: 10/01/2014

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|----|--------------------------------|-----|-----------------------------------|--|--|--|--------------------------|-----------------|------------------------------|--------------------------|
| 74 | NF_33061074- NonFor | 2.6 | 3105 - Mixed Upland Herbaceous | | | | Non-Forest Management | Other - Specify | 310 - Herbaceous Openland | Cmpt. Review Proposal |
|----|--------------------------------|-----|-----------------------------------|--|--|--|--------------------------|-----------------|------------------------------|--------------------------|

Prescription Opening enhancement. Cut brush and encroaching tree species, mow, herbicide, lime, fertilize, plant both annual and perennial herbaceous plants as well as hard/soft mast producers within the opening boundaries for the benefit of both game and non-game species.

Other
Comments:

Next Complete FTP and yearly maintenance

Proposed
Start Date: 10/01/2014

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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|-----------------------------|-------|----------------------|---------------------|-----------|----------|----------------|------------------|----------------------|-----------------------|
| 30 33061030- Other_small | 15.1 | 6120 - Lowland Cedar | Medium Density Pole | 94 | | Other | Unspecified | 6120 - Lowland Cedar | Cmpt. Review Proposal |

Prescription Treat the phragmites when funding is available.

Specs:

Other Comments: Very poor quality cedar stand, with a high percentage of the stand having mostly sub-merchantable stems. There is some cedar regeneration in the open areas. The tamarack is dying out of the stand from the Eastern Larch Beetle, but there is not enough volume to try and salvage it. There is phragmites along the Hayward Lake Road, both sides.

Next Steps: Follow up following Phragmites treatment.

Proposed

Start Date: 10/01/2014

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|-----------------------------|-----|----------------------|-------------------|-----|--|-------|-------------|----------------------|-----------------------|
| 66 33061066- Other_small | 2.7 | 6120 - Lowland Cedar | High Density Pole | 112 | | Other | Unspecified | 6120 - Lowland Cedar | Cmpt. Review Proposal |
|-----------------------------|-----|----------------------|-------------------|-----|--|-------|-------------|----------------------|-----------------------|

Prescription Treat the phragmites as funding becomes available. This phragmites treatment was approved in 2013 as an out of entry treatment. The stand is on FTP 33-705 to treat the phragmites.

Other Comments: Overall low quality cedar with some tamarack. There are numerous patches of phragmites along the Hayward Lake Road.

Next Steps: Follow up following Phragmites treatment.

Proposed

Start Date: 10/01/2014

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|-----------------------------|-----|--|---------------------|----|--|-------|-------------|--|-----------------------|
| 85 33061085- Other_small | 6.6 | 6132 - Mixed Lowland Forest with Cedar | Medium Density Pole | 19 | | Other | Unspecified | 6132 - Mixed Lowland Forest with Cedar | Cmpt. Review Proposal |
|-----------------------------|-----|--|---------------------|----|--|-------|-------------|--|-----------------------|

Prescription Treat Phragmites when funding is available.

Specs:

Other Comments: Stand was cut in 1995 on contract 036-92-01. All species were cut; except cedar, hemlock, pine, and spruce - some of these trees were marked to cut. This stand has not fully regenerated, there is a dense sedge/grass mat. There is a large patch of Phragmites on the East side of the stand.

Next Steps: Follow up following phragmites treatment.

Proposed

Start Date: 10/01/2014

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|-----------------|-----|----------------------------|----------------------|----|--|-------|-------------|--------------------------|-----------------------|
| 27 35688_island | 0.8 | 4319 - Mixed Upland Forest | High Density Sapling | 21 | | Other | Unspecified | 4134 - Aspen, Spruce/Fir | Cmpt. Review Proposal |
|-----------------|-----|----------------------------|----------------------|----|--|-------|-------------|--------------------------|-----------------------|

Prescription Treat the phragmites when funds are available.

Specs:

Other Comments: Stand was clearcut in 1993 on contract 08-93-01; except all cedar, hemlock, pine, and beech were retained along with all balsam fir with less than two sticks. There is three distinct age classes 21 year old aspen and balsam fir, 40 to 50 year old balsam fir and maple, and 116 year old cedar. There is a patch of phragmites in the northern half of the stand.

Next Steps: Follow up following Phragmites treatment.

Proposed

Start Date: 10/01/2014



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| Treatment Name | Acres | CoverType | Size Density | Stand Age | BA Range | Treatment Type | Treatment Method | Cover Type Objective | Approval Status |
|----------------------------|-------|------------------|--------------|-----------|----------|----------------|------------------|----------------------|-----------------------|
| 72 NF_33061072-Other_small | 7.7 | 6224 - Treed Bog | | | | Other | Unspecified | 6224 - Treed Bog | Cmpt. Review Proposal |

Prescription: Treat phragmites as funding becomes available.

Specs:

Other Comments: There is small patch of phragmites in the southwestern portion of the stand that needs to be treated. This treatment was approved in 2013 as an out of entry and is already on FTP 33-705.

Next Steps: Follow up following phragmites treatment.

Proposed

Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 562.7**



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

#Type! #Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

Total Treatment
Acreage Proposed: 0.0

Report 5 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment 061
Year of Entry 2016

Availability for Management

| Availability for Management | | | Dominant Site Conditions | | |
|-----------------------------|-----------------|---------------------|-------------------------------|-------|----|
| Total Acres | Acres Available | Acres Not Available | | No | 3J |
| 212 | 212 | | Aspen | 212 | |
| 699 | 699 | | Cedar | 699 | |
| 2 | 2 | | Hemlock | 2 | |
| 75 | 68 | 7 | Lowland Conifers | 68 | 7 |
| 166 | 166 | | Lowland Deciduous | 166 | |
| 129 | 129 | | Lowland Mixed Forest | 129 | |
| 6 | 6 | | Mixed Upland Deciduous | 6 | |
| 298 | 298 | | Northern Hardwood | 298 | |
| 34 | 34 | | Upland Conifers | 34 | |
| 84 | 84 | | Upland Mixed Forest | 84 | |
| 25 | 25 | | Upland Spruce/Fir | 25 | |
| 1,730 | 1,723 | 7 | Total Forested Acres | 1,723 | 7 |
| | 100% | 0% | 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 |
|---|---------------------------------|---|-------|---|----------------------|----------------------|----------------------|
| 006 | Not Available | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 4 | 3A: Potential old growth / biodiversity | | | |
| Comments: This stand is an island within Hayward Lake with mature forest on it. | | | | | | | |
| 007 | Not Available | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 2 | 3A: Potential old growth / biodiversity | | | |
| Comments: This stand is an island within Hayward Lake with mature forest on it. | | | | | | | |

Report 5 – Site Conditions

Escanaba Mgt. Unit
Dustin Salter : Examiner

Compartment 061
Year of Entry 2016

| | | | |
|-----|----------------------|--|---|
| 008 | Not Available | 3J: Water quality / BMPs (stream, river, or lake) | 7 |
|-----|----------------------|--|---|

Comments:

A drain flows through this stand and the remaining stand acts as a buffer.

| | | | | |
|-----|----------------------|---|---|--|
| 009 | Not Available | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 4 | 3A: Potential old growth / biodiversity |
|-----|----------------------|---|---|--|

Comments:

This stand is an island of mature forest within a very large lowland swamp complex, adjacent to Hayward Lake. There is no access to this stand.

| | | | | |
|-----|----------------------|---|---|--|
| 010 | Not Available | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 6 | 3A: Potential old growth / biodiversity |
|-----|----------------------|---|---|--|

Comments:

This stand is an island of mature forest within a very large lowland swamp complex, adjacent to Hayward Lake. There is no access to this stand.

| | | | | |
|-----|----------------------|---|---|--|
| 011 | Not Available | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 9 | 3A: Potential old growth / biodiversity |
|-----|----------------------|---|---|--|

Comments:

This stand is an island of mature forest within a very large lowland swamp complex, adjacent to Hayward Lake. There is no access to this stand.

| | | | | |
|-----|----------------------|---|----|--|
| 012 | Not Available | 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) | 11 | 3A: Potential old growth / biodiversity |
|-----|----------------------|---|----|--|

Comments:

This stand is an island of mature forest within a very large lowland swamp complex, adjacent to Hayward Lake. There is no access to this stand.



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 |
|-----------------|--------------|-------------|----------------|-------|
| Comments | | | | |



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

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

| Conservation Area | Type | Description |
|-------------------|---------------------|---|
| SCA | Archaeological Site | An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|---------------------|-------|-----------|----------|---|
| 2 | 6120 - Lowland Cedar | Low Density Pole | 81.9 | 94 | | Very poor quality stand. The stand has a low basal area of merchantable stems (mostly cedar), with some cedar regeneration present. |
| 4 | 4119 - Mixed Northern Hardwoods | High Density Log | 8.8 | 92 | 141-170 | Good quality hardwood stand with dense balsam fir regeneration throughout most of the stand. The only access into this stand is through private property. |
| 5 | 4319 - Mixed Upland Forest | High Density Pole | 2.0 | 91 | 111-140 | SCA - Island within Hayward Lake. Stand is primarily a mix of birch and cedar. There is lots of garbage on the island from duck hunters. |
| 6 | 429 - Mixed Upland Conifers | High Density Log | 4.4 | 91 | | SCA - Island within Hayward Lake. Stand is a mix of large white pine on the east side and a mix of cedar, birch, and aspen on the west side. There is lots of garbage on the island from duck hunters. |
| 7 | 4110 - Sugar Maple Association | High Density Log | 4.2 | 91 | 81-110 | SCA - Mature upland forest within a large swamp complex. Good quality hardwood stand with heavy sedge. |
| 8 | 4111 - S.Maple, Hard Mast Association | High Density Log | 6.1 | 91 | 81-110 | SCA - Mature upland forest within a large swamp complex. Very good quality hardwood stand with heavy sedge. |
| 9 | 42380 - Non Pine Upland Conifer, Mixed Deciduous | High Density Pole | 9.0 | 91 | | SCA - Mature upland forest within a large swamp complex. Stand is a mix of upland cedar, mixed hardwood, and balsam fir. |
| 11 | 42380 - Non Pine Upland Conifer, Mixed Deciduous | High Density Pole | 11.0 | 91 | | SCA - Mature upland forest within a large swamp complex. |
| 14 | 6120 - Lowland Cedar | Medium Density Pole | 152.0 | 94 | | Poor quality cedar stand with some pockets of other species mixed in. |
| 15 | 4110 - Sugar Maple Association | High Density Log | 6.9 | 91 | 111-140 | Stand was last thinned in 1991 on contract 036-91-01. The majority of the stand has poor quality hardwood with dense balsam fir regeneration. There is also some cedar and hemlock regeneration. There is a gravel pit in the center of this stand. The road and parking lot for the Hayward Lake Access Site is within this stand. The road is growing in and needs to be opened up. |
| 16 | 4111 - S.Maple, Hard Mast Association | High Density Log | 23.1 | 94 | 81-110 | Stand was last thinned in 1991 on contract 036-91-01. Good quality hardwood stand that should be thinned in 10 years. |
| 17 | 4115 - Y.Birch, Hemlock NH | High Density Log | 9.0 | 94 | 141-170 | High quality hardwood stand that doesn't look like it has been thinned in a long time, if ever. There is a high percentage of beech, but no beech scale present. There is a steep slope in the stand. |
| 18 | 6120 - Lowland Cedar | High Density Pole | 86.8 | 94 | | SCA - Removal, this is not an unique stand. Very poor quality cedar stand with small isolated pockets of better quality trees. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------------|-------|--------------|-------------|--|
| 19 | 6129 - Mixed Coniferous Lowland Forest | High Density Pole | 58.7 | 81 | | Good quality lowland mixed conifer stand. Overall the tamarack and spruce is high quality and the cedar is very poor quality. There is some cedar regeneration present within some open areas. |
| 20 | 42360 - Upland Cedar | High Density Log | 3.8 | 103 | | High quality upland cedar stand. |
| 21 | 4134 - Aspen, Spruce/Fir | High Density Pole | 15.1 | 26 | | Stand was clearcut in 1988 on contract 08-87. Fully stocked aspen stand. There are some steep ridges within the stand. |
| 22 | 4110 - Sugar Maple Association | High Density Log | 8.9 | 86 | 111-140 | Stand was last thinned in 1988 on contract 08-87. High quality sugar maple stand that is in need of a thinning. |
| 23 | 4111 - S.Maple, Hard Mast Association | High Density Log | 18.7 | 94 | 81-110 | Stand was last thinned in 2002-03 on contract 028-01-01. Good quality hardwood stand with a high percentage of beech. No beech scale was found here. The stand has a fully stocked understory of beech regeneration. |
| 24 | 4136 - Aspen, Mixed Conifer | High Density Sapling | 3.6 | 11 | | Stand was clearcut in 2003 on contract 028-01-01. All cedar, hemlock, yellow birch, and pine were retained. Fully stocked stand with mostly aspen and pockets of balsam fir. |
| 25 | 4319 - Mixed Upland Forest | High Density Sapling | 10.4 | 10 | | Stand was clearcut between 2003 and 2005 on contract 028-01-01. All cedar, hemlock, yellow birch, and pine were retained. Stand is fully stocked with mostly aspen and balsam fir. |
| 26 | 4130 - Aspen | High Density Pole | 26.5 | 53 | | Mature aspen stand, with some older stems that are dying out. |
| 27 | 4319 - Mixed Upland Forest | High Density Sapling | 17.7 | Uneven Age | | Stand was clearcut in 1993 on contract 08-93-01; except all cedar, hemlock, pine, and beech were retained along with all balsam fir with less than two sticks. There is three distinct age classes 21 year old aspen and balsam fir, 40 to 50 year old balsam fir and maple, and 116 year old cedar. There is a patch of phragmites in the northern half of the stand. |
| 28 | 42350 - Upland Hemlock | High Density Log | 2.3 | 96 | 111-140 | Dense upland hemlock stand. |
| 30 | 6120 - Lowland Cedar | Medium Density Pole | 228.2 | 94 | | Very poor quality cedar stand, with a high percentage of the stand having mostly sub-merchantable stems. There is some cedar regeneration in the open areas. The tamarack is dying out of the stand from the Eastern Larch Beetle, but there is not enough volume to try and salvage it. There is phragmites along the Hayward Lake Road, both sides. |
| 31 | 4136 - Aspen, Mixed Conifer | High Density Sapling | 7.7 | 17 | | Stand was clearcut in 1997 on contract 008-93-01. All cedar, hemlock, pine, and beech were retained. Fully stocked aspen stand. |
| 32 | 6120 - Lowland Cedar | High Density Pole | 7.8 | 96 | | Nice quality cedar on the west side and very poor quality on the east side. |



| Stand | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-------|--|--------------------|-------|-----------|----------|---|
| 33 | 4110 - Sugar Maple Association | High Density Log | 3.9 | 91 | 81-110 | Good quality hardwood stand, |
| 34 | 4111 - S.Maple, Hard Mast Association | High Density Log | 47.2 | 91 | 51-80 | Stand was thinned between 2007 & 2009 on contract 032-06-01. Good quality hardwood with a dense layer of sedge. There is beech present, but I didn't find any beech scale. |
| 35 | 4111 - S.Maple, Hard Mast Association | High Density Log | 8.5 | 91 | 81-110 | Stand was thinned in 2006-07 on contract 032-06-01. Good quality hardwood stand, that has a full understory of beech and balsam fir. There is also a lot of hemlock seedlings greater than 1 foot tall. There is beech present, but no scale is present. |
| 36 | 4112 - Maple, Beech, Cherry Association | Low Density Log | 6.8 | 91 | 1-50 | Stand was cut in 2006 on contract 032-06-01. Only the aspen and balm were cut. This stand has large wolfy sugar maple and beech with mostly grass understory except for patches of aspen and balm regeneration. Only about half of the stand is forested. There is beech present, but I didn't see any scale. |
| 37 | 4134 - Aspen, Spruce/Fir | High Density Pole | 3.7 | 37 | | Fully stocked aspen and balsam fir stand. |
| 38 | 42330 - Upland Fir | High Density Pole | 7.0 | 41 | | Fully stocked balsam fir and aspen stand. |
| 39 | 6118 - Lowland Deciduous with Cedar | High Density Log | 7.6 | 106 | | Mature lowland deciduous stand with some cedar. |
| 40 | 6128 - Lowland Coniferous, Mixed Deciduous | High Density Pole | 9.5 | 106 | | Stand is a mix of lowland conifer and deciduous with cedar. There are a couple of upland pockets of cedar within the stand. |
| 41 | 4110 - Sugar Maple Association | High Density Log | 23.0 | 76 | 81-110 | Stand was last thinned in 2005 on contract 029-01-01. Good quality hardwood stand. |
| 42 | 6120 - Lowland Cedar | High Density Pole | 14.5 | 110 | | Low quality cedar stand with some lowland hardwoods within it. |
| 43 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole | 48.7 | 91 | | Mature lowland deciduous stand with some cedar. |
| 44 | 4134 - Aspen, Spruce/Fir | High Density Pole | 11.5 | 37 | | Good quality aspen stand. |
| 45 | 42390 - Mixed Non-Pine Upland Conifers | Medium Density Log | 9.4 | 96 | | Stand was cut in 1995 on contract 017-93-01. All trees were cut, except cedar, hemlock, pine, and beech. The overstory is only partially stocked, but the understory is fully stocked. |
| 46 | 42360 - Upland Cedar | High Density Log | 3.4 | 110 | | High quality upland cedar stand. |
| 47 | 4319 - Mixed Upland Forest | High Density Pole | 6.5 | 55 | | Stand is a mix of aspen and balsam fir. There are some apple trees in the southeast part of the stand that should be protected. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------------|-------|--------------|-------------|--|
| 48 | 4136 - Aspen, Mixed Conifer | High Density Sapling | 13.9 | 7 | | Stand was clearcut in the winter of 2006-07 on contract 030-06-01. All of the cedar was retained. Very thick - good quality aspen. |
| 49 | 4130 - Aspen | High Density Pole | 6.1 | 56 | | Mature aspen with some maple and balsam fir. |
| 51 | 4130 - Aspen | High Density Pole | 7.3 | 46 | | Hold aspen stand for ten years and cut when hardwood stand to the west is cut. |
| 52 | 4319 - Mixed Upland Forest | High Density Pole | 3.6 | 65 | | Mature aspen and two-aged balsam fir. |
| 53 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole | 14.8 | 84 | | Mature lowland hardwood stand, with areas that don't have much merchantable volume. |
| 54 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 23.4 | 112 | | Mature low quality lowland hardwood and conifer. A lot of cedar near the Hayward Lake Road have dead tops. After the harvest this area would be a good location for wildlife to plant Red Osier. |
| 55 | 4110 - Sugar Maple Association | High Density Log | 3.7 | 76 | 111-140 | Nice quality hardwood stand. |
| 56 | 6118 - Lowland Deciduous with Cedar | High Density Pole | 6.6 | 91 | | Mature lowland hardwood and conifer stand. |
| 57 | 4136 - Aspen, Mixed Conifer | High Density Pole | 39.5 | 27 | | Stand was clearcut in 1987 on contract 066-85-01. Fully stocked aspen and balm stand with some lowland pockets in the middle. |
| 58 | 4119 - Mixed Northern Hardwoods | High Density Log | 34.4 | 91 | 81-110 | Stand was thinned between 1993 - 95 on contract 050-92-01. Mature red maple stand with a dense understory of beech and balsam fir regeneration. The maple should be cut before the regeneration becomes too dense to regenerate the maple. The maple does not have enough quality stems to continue thinning it. |
| 59 | 6120 - Lowland Cedar | Low Density Pole | 6.8 | 112 | | Stand was cut in 1995 on contract 017-93-01. All species were cut, except cedar, hemlock, pine, and beech. Very low quality stand that didn't regenerate very well following the last harvest. I think the drainage patterns have been affected by the county roads. |
| 60 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 26.1 | 92 | | Mature lowland hardwood stand with some cedar. |
| 61 | 42360 - Upland Cedar | Low Density Pole | 6.4 | 101 | | Stand was cut in 2006 on contract 029-01-01. All trees were cut; except cedar, hemlock, and pine. Two-aged stand - mature cedar in the overstory and balsam fir and balm regeneration. This stand will be a balsam fir/balm stand next inventory cycle. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-----------------------|-------|--------------|-------------|--|
| 62 | 4112 - Maple, Beech, Cherry Association | High Density Log | 18.6 | 91 | 81-110 | Stand was thinned in 1979 and than again in 2002 on contract 027-01-01. The stand is not real dense, but with as high of percentage of beech that is present the amount should be reduced. Beech Bark Disease is present only a few miles away and with other stands prescribed in the adjacent area this stand should be thinned again. There is a dense understory of beech regeneration following the last harvest. |
| 63 | 42360 - Upland Cedar | Low Density Pole | 13.1 | 101 | | Stand was clearcut in 2005 on contract 029-01-01, except the cedar, hemlock, pine, and beech were retained. Currently this stand types out as a cedar stand, but it is actually a two-aged stand. Mature cedar with balsam fir, balm, and maple regenerating. Some areas have such a high basal area, nothing has regenerated. |
| 64 | 6132 - Mixed Lowland Forest with Cedar | High Density Pole | 40.4 | 101 | | Mature lowland ash stand with cedar. |
| 65 | 6128 - Lowland Coniferous, Mixed Deciduous | Medium Density Log | 7.0 | 105 | | Mature lowland hardwood stand with a drain flowing through the center of it. |
| 66 | 6120 - Lowland Cedar | High Density Pole | 70.3 | 112 | | Overall low quality cedar with some tamarack. |
| 67 | 4112 - Maple, Beech, Cherry Association | High Density Log | 26.0 | 91 | 111-140 | Stand was last thinned in 1993 to 95 on contract 050-92-01. Good quality hardwood stand with a dense understory of beech regeneration. There is beech present, but there is beech scale present. |
| 68 | 6115 - Lowland Ash | High Density Pole | 2.8 | 83 | | Mature lowland ash stand. |
| 69 | 4112 - Maple, Beech, Cherry Association | High Density Pole | 5.3 | 84 | 81-110 | Stand was thinned in 2006 on contract 029-01-01. |
| 70 | 4139 - Aspen, Mixed Deciduous | High Density Log | 4.3 | 65 | | Overmature aspen stand, in which quite a bit of the aspen has already died out. There is some lowland pockets within the stand. |
| 71 | 6132 - Mixed Lowland Forest with Cedar | High Density Log | 5.2 | 88 | | Stand was thinned in 2000 on contract 055-96-01. This stand contains mostly low quality hardwood that should be regenerated. |
| 73 | 4110 - Sugar Maple Association | Low Density Log | 4.4 | 88 | 1-50 | Stand was cut in 1994 on contract 050-92-01. I am not sure what has occurred, but most of the residual has died or the tops have significant die back. There is some beech and balsam fir regenerating, but overall the stand is open. There is some phragmites in this stand. |
| 75 | 4119 - Mixed Northern Hardwoods | High Density Log | 15.8 | 94 | 81-110 | Stand was thinned in 2000-01 on contract 055-96-01. This stand contains mostly low quality hardwood that should be regenerated, but there is a few acre area of higher quality maple in the north part of the stand. |



| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|----|--|-------------------------|-------|--------------|-------------|--|
| 76 | 4112 - Maple, Beech, Cherry Association | High Density Pole | 5.7 | 91 | 81-110 | This stand was shelterwood cut about 20 years ago and now there is a fully stocked understory of balsam fir, white pine, and beech regeneration. The regeneration needs to be released so the overstory needs to be removed. Overall the overstory contains low quality hardwood. |
| 77 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Log | 21.5 | 94 | 111-140 | Stand was thinned in 2000-01 on contract 055-96-01. Stand is a mix of upland and lowland, but both contain red maple and ash. There is phragmites on the East side of this stand, by the corner. |
| 78 | 4319 - Mixed Upland Forest | High Density Log | 11.9 | 107 | 141-170 | Stand was thinned in 2000-01 on contract 055-96-01. Upland hardwood stand with dense areas of hemlock. |
| 79 | 4117 - Mixed N. Hardwood - Pine | High Density Log | 9.5 | 91 | 81-110 | Stand was thinned in 2006-07 on contract 030-06-01. The southern end of the stand has higher quality hardwood, but overall the quality is moderate. The stand is pushing towards conifer, in parts of the stand there is a high amount of white pine regeneration. There is also some balsam fir and hemlock getting established. The overstory should be lowered to release the advanced regen. |
| 80 | 4191 - Mixed Upland Deciduous with Conifer | High Density Pole | 6.0 | 39 | | Fully stocked stand of aspen and balsam fir. |
| 81 | 4130 - Aspen | High Density Sapling | 11.2 | 7 | | Stand was clearcut in 2006-07 on contract 030-06-01. Most of the stand has regenerated to aspen, but the more open areas are filling in with balsam fir and white pine. There are some scattered residual trees. |
| 82 | 6119 - Mixed Lowland Deciduous Forest | High Density Log | 24.0 | 94 | 111-140 | Stand was thinned in 2000-01 on contract 055-96-01. The stand is a mix of lowland ash with ridges of red maple. The stand does not contain enough high quality stems to thin anymore. There is phragmites in the center of this stand. |
| 83 | 4133 - Aspen, Mixed Pine | High Density Sapling | 11.7 | 7 | | Stand was clearcut in 2006-07 on contract 030-06-01. Fully stocked aspen stand with a fair amount of advanced conifer regeneration. |
| 84 | 6132 - Mixed Lowland Forest with Cedar | High Density Sapling | 19.3 | 19 | | Stand was cut in 1995 on contract 036-92-01. All trees were cut; except cedar, hemlock, pine, and spruce. Some of these trees were marked to cut. A high percentage of the residual cedar has blown over. The open areas have regenerated to aspen/balm, the areas with partial shade are filling in with balsam fir, and the areas with dense cedar do not have any regeneration. |
| 85 | 6132 - Mixed Lowland Forest with Cedar | Medium Density Pole | 14.6 | 19 | | Stand was cut in 1995 on contract 036-92-01. All species were cut; except cedar, hemlock, pine, and spruce - some of these trees were marked to cut. This stand has not fully regenerated, there is a dense sedge/grass mat. There is a large patch of Phragmites on the East side of the stand. |
| 86 | 4319 - Mixed Upland Forest | Medium Density Pole | 31.5 | 23 | | Stand was clearcut in 1991 on contract 019-86-01. This stand is on FTp 33-590 to hand plant white spruce. The FTP was sent in, in 2005, but has not been planted. Now there is only about 10 acres that are open that need to be planted. |

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Escanaba Mgt. Unit

Report 8 – Forested Stands

Compartment: 061
Year of Entry: 2016

| | Level 4 Cover Type | Size Density | Acres | Stand Age | BA Range | General Comments: |
|-----------|--|------------------------|-------|--------------|-------------|--|
| 87 | 4130 - Aspen | High Density Pole | 50.0 | 23 | | Stand was clearcut in 1991 on contract 019-86-01. Fully stocked aspen stand. |
| 88 | 42330 - Upland Fir | Medium Density Pole | 17.5 | 23 | | Stand was clearcut in 1991 on contract 019-86-01. The stand is on FTP 33-590 to hand plant white spruce. The FTP was sent in, in 2005 but still hasn't been planted. |
| 89 | 6117 - Lowland Deciduous, Mixed Coniferous | Medium Density Pole | 13.6 | 23 | | Stand was clearcut in 1991 on contract 019-86-01. Stand is a mix of aspen/balm and balsam fir. The open areas are filling in with balsam fir. |
| 90 | 6120 - Lowland Cedar | High Density Pole | 9.3 | 105 | | |
| 91 | 6120 - Lowland Cedar | High Density Pole | 14.7 | 105 | | |
| 92 | 6117 - Lowland Deciduous, Mixed Coniferous | High Density Pole | 26.6 | 49 | | Stand was cut in 1965. Lowland hardwood stand. |



| Stand | Cover Type | Acres | Managed Site | Management Priority (Objective) | General Comments: |
|-------|--------------------------------|-------|--------------|---------------------------------|--|
| 1 | 50 - Water | 10.5 | No | Unspecified | Myers Lake |
| 3 | 6223 - Inundated Shrub Swamp | 30.7 | No | Unspecified | |
| 10 | 6223 - Inundated Shrub Swamp | 659.0 | No | Unspecified | |
| 12 | 50 - Water | 5.8 | No | Unspecified | South end of Little Lake |
| 13 | 50 - Water | 2.0 | No | Unspecified | Small pond |
| 29 | 3105 - Mixed Upland Herbaceous | 2.1 | No | Unspecified | |
| 50 | 3105 - Mixed Upland Herbaceous | 3.5 | No | Unspecified | There are about 12 apples trees in this opening, they could use a pruning. |
| 72 | 6224 - Treed Bog | 68.0 | No | Unspecified | |
| 74 | 3105 - Mixed Upland Herbaceous | 2.6 | No | Unspecified | |