SAULT FOREST MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION

COMPARTMENT # 158 ENTRY YEAR: 2014

Compartment Acreage: 2,153 County: Mackinac

Revision Date: 07/05/2012

Stand Examiner: Josh Brinks

Legal Description: Hudson Township T44N-R8W, Sections 33 – 35; T43N-R8W, Section 2

RMU: Mackinac Mix

Management Goals: The compartment is located in Garnet. Many of red pine, aspen and hardwood stands were treated within the last decade. The red pine stands which were not treated last decade will be thinned this decade to remove jack pine and lower the red pine basal area. Two stands will not be treated along the Borgstrom Road to allow the adjacent stands treated to regenerate to a desired height for visual management. The hardwood stands not treated in the last twenty years will be harvested by a thinning and selection harvests.

Soil and Topography: The terrain is level to rolling with a few short ridges and rock at the surface or near the surface. The soils in the upland area is primarily Springlake loam course sand, Batty Doe fine sandy loam, Longrie-Batty Doe, stony complex, GuardLake fine sandy loam, Greylock fine sandy loam, Wallace sand, Alcona fine sandy loam, Heinz sandy loam, Wallace-Alcona complex, Ingalls fine sand, Batty Doe, stony-Wallace complex, Solona loam. The transition zone and in the lowland, the soils are primarily Paquin-Finch complex, Spot-Finch complex, Markey and Carbondale muck, Dawson and Loxley peats, Spot mucks, Beavertail muck and Histosols and Aquests, ponded.

Ownership Patterns, Development, and Land Use in and Around the Compartment: The village of Garnet is within and surrounds the compartment. Within Section 33 is 46 acres of private lands with small tracts. Section 35 has 240 acres of private lands and Section 2 has 120 acres of private land. North of the compartment, the adjoining land is in state ownership. One private 40 adjoins the east side of the compartment in Section 35. Section 2 has state ownership surrounding the 3 sides outside of the compartment. South of Section 34 is all state ownership except for the Hudson Township parcel. The Hudson Township parcel is the Hudson Township Volunteer Fire Hall and recreation site. Section 33 has private ownership along the south line and on west line one private 40 adjoins to the south west with the rest in state ownership.

Unique, Natural Features: There is a potential for Red Shouldered Hawks and Goshawks in the hardwood, red pine and aspen stands in the compartment. There is a potential for many plants and animal species to be present in the mesic and wetland types and in the ecotone between the hardwood and cedar types. Walking fern has been found in the area.Archeological, Historical, and Cultural Features: None known at this time.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): The old Rexton Airport is located in Section 2 with the wind sock circle still on the ground. The airstrip is unusable because of the Jack Pine and other trees which have grown in to area. The area has been prescribed to do opening maintenance to eliminate the jack pine regeneration on the old airstrip. Old

logging camps are found within the compartment. The Canadian National tracks run east and west through the lower quarter of Sections 33, 34 and 35. Stand 67 is a Daughters of the American Revolution plantation planted in 1930. A stone with a plaque and DNR sign can be viewed along the H-40 Hiawatha Trail. The stand was thinned last decade and more trees removed along the road to allow for the sun to melt off the road in the winter.

Special Management Designations or Considerations: Boulders within the stands to be treated will be checked for walking fern and appropriate measures will be taken to protect it. Thornapple, apple, juneberry, and cherry trees will be retained in all the red pine stands to be thinned. The stands treated with the ORV trail running through them will have cutting specifications to maintain the trail brush free, not to remove the trail marker trees and place signs to warn ORV riders of harvesting operations. Trees cut along the Dollar Lake Road snowmobile trail will have the stumps cut to ground level or removed within 10 feet of the trail to eliminate the hazard.

Watershed and Fisheries Considerations: This compartment contains several small bodies of water known as the Seven Lakes. Very little file information exists and their shallow water depth provides very little to offer for recreational fisheries values. However, they do provide important aquatic habitat for amphibians and reptiles. All Best Management Practices (BMP's) should be adhered to around these lakes to preserve water quality and habitat.

Wildlife Habitat Considerations: Compartment 158 is located in the Mackinac Mix Management Area, and lies within the St. Ignace sub-subsection that is typified by sandy lake plain and limestone bedrock at or near the surface. Beech-sugar maple forest dominated the compartment prior to European settlement, and remains a major component covering nearly 40% of the compartment. Hardwoods continue north of the compartment. Pine was planted in some areas, creating the stands of red and jack pine common in the west and southeast portions of the compartment. Both of these forest types in and near the compartment have received treatments in previous years. Hardwoods have been thinned on rotation to encourage age class and structural diversity, while pines have undergone varying treatments depending on stage. The state-threatened walking fern (*Asplenium rhizophyllum*) has been found within this compartment. Any occurrence of this species will be buffered appropriately and nearby management practices adjusted accordingly.
Wildlife habitat management will be accomplished by encouraging diversity within northern hardwoods, protecting wetlands, providing some young forest habitat, and maintaining forest openings primarily during forest management activities. Thinning of some dense hardwoods will encourage multiple age classes, while retaining others will provide more closed canopy structure. Although most beech are being impacted by beech bark disease, a component of beech will remain to maintain a source of hard mast where possible and future cavity trees and coarse woody debris. Representation of other mast producers such as cherry will also be retained. Snags and coarse woody debris will be left during harvest in hardwood stands. In pine stands, a representation of mature trees will remain after harvest in final harvest stands, and hardwoods and other non-target species will be left where possible to maintain diversity and encourage wildlife use. Wetlands will be buffered to maintain wetland integrity. Use by wildlife species including white-tailed deer, black bear, pileated woodpecker, hawks, ruffed grouse, American marten, and numerous neotropical migratory birds will be encouraged from these activities.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and coarse-textured glacial till. The glacial drift thickness varies between 10 and 50 feet. The Silurian Engadine and Manistique Groups subcrop below the glacial drift. The Engadine is quarried for stone/limestone elsewhere in the UP. The Dollar Lake pit is located one mile to the north and there appears to be good gravel potential. There is no economic oil and gas production in the UP.

Vehicle Access: The vehicular access into the compartment is very good. Borgstrom Road runs along the west side which is a paved county maintained road. H-40 Hiawatha Trail is a paved county maintained road

providing access into all sections within the compartment. Little Dollar Lake Road is a good gravel county maintained road and the Airport Road is a good dirt county maintained road. Dollar Lake Road and Crawfin Lake Road are poor dirt state maintained roads. The other roads are poor dirt roads with little maintenance except for when harvesting occurs. All new harvest roads will be blocked off after the completion of hauling from the timber sale.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: The snowmobile trail runs down the Dollar Lake Road from the Borgstrom Road east across the Streeter Road to the Hurd Road. The ORV trail runs from the Streeter Road all over in Section 35 to north out of the compartment in the northeast corner of Section 34. The other activities in the area are hunting, trapping, mushroom, leek, and berry picking, bird watching, firewood collection, and sightseeing.

Fire Protection: The fire potential is moderate to high with amount of wildland and urban interface in this compartment. The hardwood stands do have a lower potential for higher intensity fire. The red pine plantations do have a potential for a more intense fire. The amount of activity within the compartment should allow for the quick discovery of a start. The Hudson Township Volunteer Fire Department Hall is across the road from the center of the compartment. The proximity of the fire hall should provide a quick response time to a fire.

Additional Compartment Information:

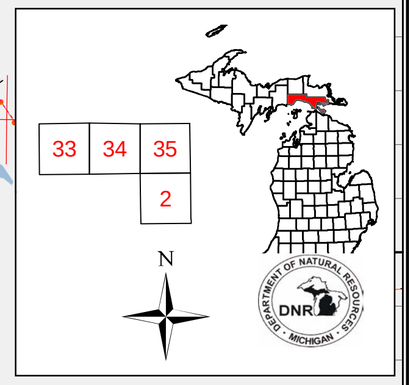
- **Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**
  - **Stand Listing – Forested**
  - **Stand Listing – Non Forested**
  - **Special Conservation Area (SCA) Details**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand numbers, cover types**
  - **Proposed treatments**
  - **Proposed road access system**
  - **SCA – Special Conservation Areas**

Cover Type & Treatment Map

Compartment: 158
T43N R08W Sec. 2
T44N R08W Sec. 33 -35
County: Mackinac
Unit: Sault Ste. Marie
YOE: 2014
Acres: 2,153 GIS Calculated
Examiner: Josh Brinks
Map Revised: 08/08/2012
Map Phase: Pre-Review

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



Legend

- Remonumented Section Corners
- Miris Corners
- PLSS Corner
- Railroads
- Pipeline
- Powerline
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers

Non-Forest Regeneration
- Natural
- Planted

Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Shelter Wood (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Prescribed Burn
- Site Preparation
- Opening Maintenance
- Other Treatment - See Comments

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands
Level 3
- 122 - Road/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- State Forest Land

1 0.5 0 1 Miles

85°21'0"W 85°20'0"W 85°19'0"W 85°18'0"W 85°17'0"W 85°16'0"W 85°15'0"W
46°11'0"N 46°10'0"N 46°9'0"N

Stand Boundary Map

Compartment: 158
T43N R08W Sec. 2
T44N R08W Sec. 33 -35
County: Mackinac
Unit: Sault Ste. Marie
YOE: 2014
Acres: 2,153 GIS Calculated
Examiner: Josh Brinks
Map Revised: 08/08/2012
Map Phase: Pre-Review

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

33 34 35
2
N

Legend

- Remonumented Section Corners
- Miris Corners
- PLSS Corner
- Railroads
- Pipeline
- Powerline
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Stand Boundaries

Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
419 - Mixed Upland Deciduous
421 - Planted Pines
422 - Natural Pines
431 - Upland Mixed Forest
612 - Lowland Coniferous Forest

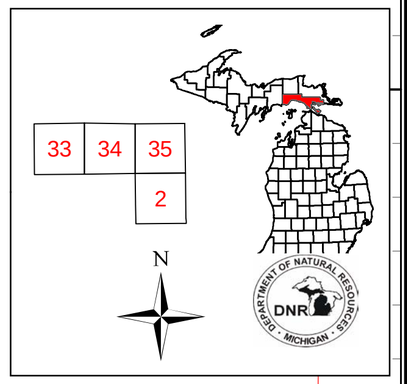
Non-Forest Stands
Level 3
122 - Road/Parking Lot
310 - Herbaceous Openland
320 - Upland Shrub
330 - Low-Density Trees
500 - Water
622 - Lowland Shrub
623 - Emergent Wetland

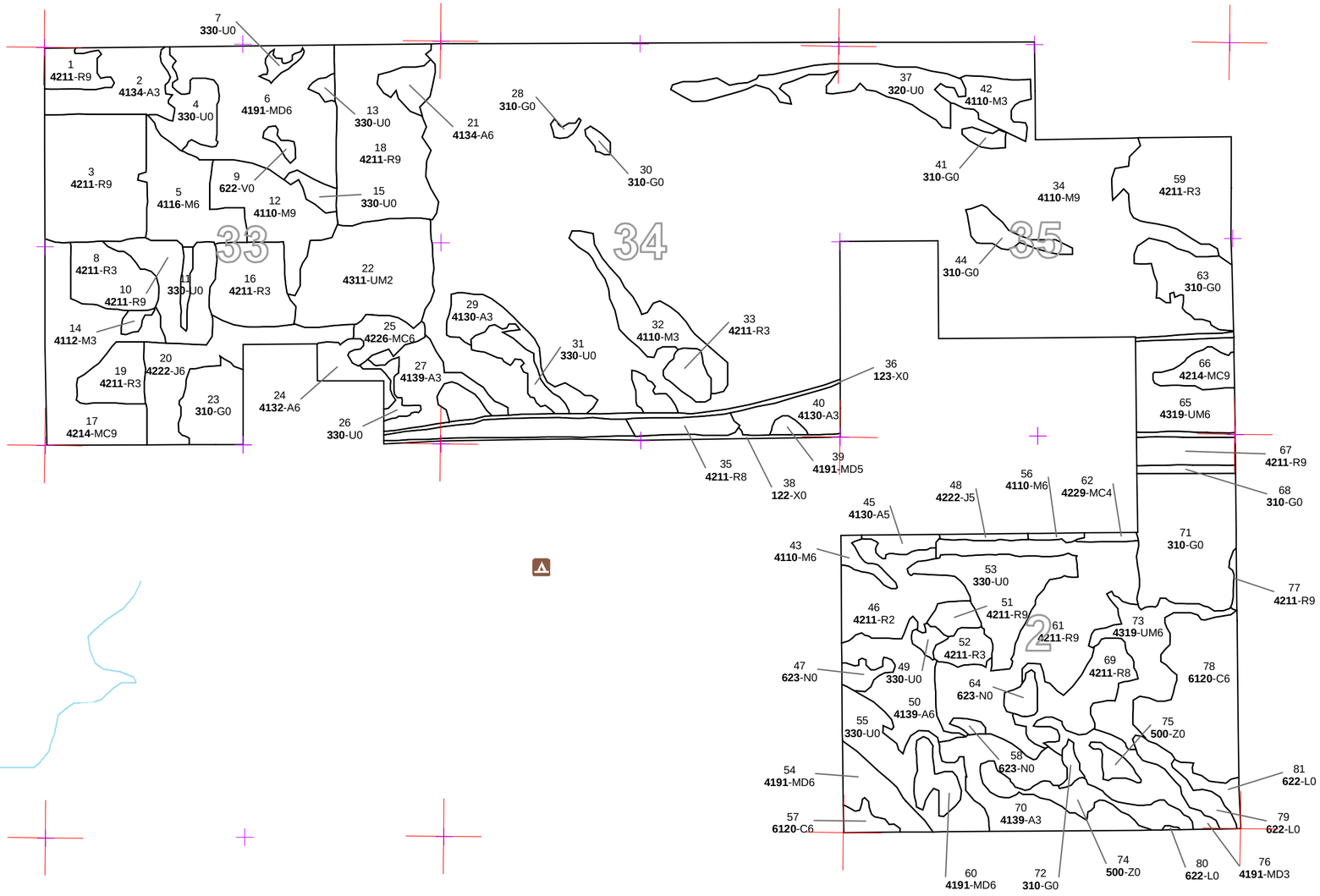
1 0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

Compartment: 158
T43N R08W Sec. 2
T44N R08W Sec. 33 -35
County: Mackinac
Unit: Sault Ste. Marie
YOE: 2014
Acres: 2,153 GIS Calculated
Examiner: Josh Brinks
Map Revised: 08/08/2012
Map Phase: Pre-Review

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





Legend

- Remonumented Section Corners
- Miris Corners
- Stand Boundaries

Dedicated Special Conservation Areas
- Campgrounds
- Cold Water Streams

Forest Stands
- Level 3
  - 411 - Northern Hardwood
  - 413 - Aspen Types
  - 419 - Mixed Upland Deciduous
  - 421 - Planted Pines
  - 422 - Natural Pines
  - 431 - Upland Mixed Forest
  - 612 - Lowland Coniferous Forest

Non-Forest Stands
- Level 3
  - 122 - Road/Parking Lot
  - 310 - Herbaceous Openland
  - 320 - Upland Shrub
  - 330 - Low-Density Trees
  - 500 - Water
  - 622 - Lowland Shrub
  - 623 - Emergent Wetland

1 0.5 0 1 Miles

85°20'0"W 85°19'0"W 85°18'0"W 85°17'0"W 85°16'0"W 85°15'0"W
46°11'0"N 46°10'0"N 46°9'0"N 46°8'0"N

Table 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit **Compartment 158 Year of Entry 2014**

Joshua Brinks : Examiner

Age Class

	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	Total
Aspen	0	38	117	0	0	0	0	0	0	0	0	0	0	0	**154**
Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	54	0	**54**
Herbaceous Openland	111	0	0	0	0	0	0	0	0	0	0	0	0	0	**111**
Jack Pine	0	0	0	2	0	0	32	0	0	0	0	0	0	0	**34**
Low-Density Trees	101	0	0	0	0	0	0	0	0	0	0	0	0	0	**101**
Lowland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	**14**
Marsh	10	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
Mixed Upland Deciduous	0	0	45	63	0	0	0	0	0	0	0	0	0	0	**108**
Natural Mixed Pines	0	0	2	0	0	0	9	0	0	0	0	0	0	0	**11**
Northern Hardwood	0	15	51	0	0	2	0	35	0	805	0	0	0	0	**907**
Planted Mixed Pines	0	0	0	0	0	0	0	59	0	0	0	0	0	0	**59**
Red Pine	0	149	0	0	0	0	61	84	121	0	0	0	0	0	**415**
Upland Mixed Forest	0	51	28	0	0	0	0	28	0	0	0	0	0	0	**108**
Upland Shrub	26	0	0	0	0	0	0	0	0	0	0	0	0	0	**26**
Urban	18	0	0	0	0	0	0	0	0	0	0	0	0	0	**18**
Water	20	0	0	0	0	0	0	0	0	0	0	0	0	0	**20**
Total	**302**	**253**	**244**	**65**	**0**	**2**	**102**	**207**	**121**	**805**	**0**	**0**	**54**	**0**	**2153**

Table 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2014

Compartment 158
Total Compartment Acres: 2153

Acres by Treatment Type

Commercial Harvest - 620	Site Prep - 40	Tree Planting - 0	Prescribed Burn - 52	Other - 157
Habitat Cut - 0	Opening Maintenance - 31	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Jack Pine	32	0	0	0	0	0	**32**
Low-Density Trees	14	0	0	0	0	0	**14**
Natural Mixed Pines	9	0	0	0	0	0	**9**
Northern Hardwood	0	263	0	0	0	0	**263**
Planted Mixed Pines	9	0	0	0	50	0	**59**
Red Pine	145	0	0	11	59	0	**215**
Upland Mixed Forest	0	28	0	0	0	0	**28**
Total	**209**	**291**	**0**	**11**	**108**	**0**	**620**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
	45158_OutOfYOE-Cut	2.5					Harvest	Single Tree Selection	4110 - Sugar Maple Association	Fld. Tr. Bdy. - Incomplete

Prescription Specs: Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. Some larger canopy gaps may be desirable to enhance the advanced regeneration present.

Other Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/01/2012

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	**45158001-Cut**	9.2	42110 - Planted Red Pine	High Density Log	63	111-140	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand where present.

Other Comments: Cut with stand to the North in Comp. 157.

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	**45158003-Cut_cc**	26.4	42110 - Planted Red Pine	High Density Log	63	171-200	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges.

Other Comments:

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	**45158003-Cut_thin**	25.8	42110 - Planted Red Pine	High Density Log	63	171-200	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand where present.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	**45158010-Cut**	23.6	42110 - Planted Red Pine	High Density Log	72	171-200	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand where present.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
17	45158017-Cut	49.7	42140 - Planted Mixed Pine	High Density Log	72	171-200	Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Cut all Jack Pine and leave species diversity where present.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
18	45158018-Cut	59.7	42110 - Planted Red Pine	High Density Log	73	111-140	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with retention of live trees on the edges of the treatment. Leave retention buffer along hardwood stand and/or do not treat in areas near (100' or more) of boulders with potential for T&E species. Use alternative to aerial (helicopter) spraying.

Other Comments:

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
20	45158020-Cut	31.6	42220 - Natural Jack Pine	High Density Pole	62		Harvest	Clearcut with Reserves	42220 - Natural Jack Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut all jack pine down to 2" in diameter. Leave all red and white pine. Leave pockets of aspen in the stand and some scattered black cherry. Harvest in snow free conditions if possible for scarification.

Other Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration includes jack pine, red pine, white pine, aspen, cherry, spruce and paper birch. Scarify if needed after harvest to promote jack pine regeneration.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
25	45158025-Cut	9.1	42260 - Natural Pine, Mixed Deciduous	High Density Pole	63		Harvest	Clearcut with Reserves	42290 - Natural Mixed Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut all jack pine down to 2" in diameter. Leave all red and white pine. Leave pockets of aspen in the stand and some scattered black cherry. Harvest in snow free conditions if possible for scarification.

Other Comments:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Scarify if needed. Acceptable regeneration includes jack pine, red pine, cherry, aspen birch and maple.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	45158034-Cut	25.7	4110 - Sugar Maple Association	High Density Log	92	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. All conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Leave some large wolfy trees, any healthy beech, and a sample of mature beech (3-5 per acre or more) representative of the stand where it occurs. Leave all conifers.

Other Comments: Look for T&E species. Mark with stand in the compartment to the north.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, basswood, cherry, yellow and paper birch.

Proposed Start Date: 10/01/2012

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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Other Comments: Look for T&E species.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, basswood, cherry, yellow and paper birch.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
34	45158034-Cut	237.5	4110 - Sugar Maple Association	High Density Log	92	81-110	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Mark stand to 80 to 90 Basal Area. Retain some beech with the smooth bark and wildlife trees. All conifer should be left. Some larger canopy gaps may be desirable around the cherry and yellow birch if possible to regenerate those species and enhance the advanced regeneration present. Leave some large wolfy trees, any healthy beech, and a sample of mature beech (3-5 per acre or more) representative of the stand where it occurs. Leave all conifers.

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Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, basswood, cherry, yellow and paper birch.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	45158051-Cut	5.2	42110 - Planted Red Pine	High Density Log	82	111-140	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges.

Other Comments:

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
61	45158061-Cut	29.8	42110 - Planted Red Pine	High Density Log	82	81-110	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges. Retention in this treatment should be left around the wetland on the east edge. Buffer wetlands by at least 75'.

Other Comments:

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
65	45158065-Cut	28.0	4319 - Mixed Upland Forest	High Density Pole	75	111-140	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Mark this stand down to 80-90 BA removing all jack pine before it dies. Leave a component of Red pine in the canopy.
WLD: Also, leave a few scattered jack pine.

Other Comments: This stand was previously set up and marked in yellow paint, mark stand in a different color.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce red pine and white pine.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
66	45158066-Cut	9.3	42140 - Planted Mixed Pine	High Density Log	75	171-200	Harvest	Clearcut	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with no retention of live trees except for witness trees. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management.

Other Comments: Jack pine is starting to die in the stand be sure to notice this when cruising.

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
67	45158067-Cut	11.2	42110 - Planted Red Pine	High Density Log	82	111-140	Harvest	Shelter Wood with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Shelterwood red pine leaving 30-50 sq/ft of basal area. Retain scattered hardwoods in the canopy. Chip tops to allow for hand planting of red pine.

Other Comments: DAR plantation.

Next Steps: Hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
69	45158069-Cut	22.7	42110 - Planted Red Pine	Medium Density Log	82	51-80	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges. Retention in this treatment should be left along the edges of the wetland on the west edge. Buffer wetlands by at least 75'.

Other Comments: This stand contains and old understory burn experiment site. Very Very little red pine regeneration occured so the study is being abandoned and the stand is getting cut.

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
77	45158077-Cut	1.1	42110 - Planted Red Pine	High Density Log	75	81-110	Harvest	Clearcut with Reserves	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand with retention of live trees on the edges of the treatment. Standing trees within the stand after harvest create a hazard for aerial spraying of the stand for release and pest management so all retention must be along the edges. Consider leaving this portion of the treatment for retention for the large portion in compartment 148.

Other Comments: This is a small portion of a stand that continues into comp. 148. The stand was originally prescribed as a thinning but was switched to a clearcut. It can't be cut until mega mule has greened up. Start date is 10/1/2015 but may need to be changed.

Next Steps: After harvest treatment is completed, the stand may be prescribed burned if necessary for site prep depending on amount of slash left on site. Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed within 2 years of the Timber Cutting Report date. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	NF_45158004-Cut	14.3	3303 - Mixed Low Density Trees				Harvest	Clearcut	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Specs: The opening had filled in trees. A commercial harvest was prescribed to clear the area. Cut all trees 2" or more and chip all the trees.

Other Comments:

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

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23	NF_45158023-Prep	19.1	310 - Herbaceous Openland				Site Prep	Trenching	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Trench this site for prep for planting of red pine.

Other Comments: This stand is currently an open field growing a mix of grass and weeds. The thought is to plant this field to offset the lose of plantation acres in stand 22.

Next Steps: Next steps are to plant red pine seedling to acceptable regeneration levels will need to be completed. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
63	NF_45158063-Prep	21.2	310 - Herbaceous Openland				Site Prep	Trenching	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Trench the stand for planting of red pine.

Other Comments: FTP-44-546

Next Steps: Hand planting of red pine seedling to acceptable regeneration levels will need to be completed. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
71	NF_45158071-Burn	52.0	3105 - Mixed Upland Herbaceous				Prescribed Burn	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Burn slash so site can be trenched. ASAP

Other Comments: FTP C-44-545

Next Steps: Trenching and hand planting of red pine seedling to acceptable regeneration levels will need to be completed. After establishment of red pine regeneration, regeneration surveys need to be scheduled for 1 year and 3 years for monitoring of regeneration. Release as necessary determined by TMS.

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
53	NF_45158053-NonFor	31.4	3302 - Low Density Conifer Trees				Non-Forest Management	Brush Cutting	3105 - Mixed Upland Herbaceous	Cmpt. Review Proposal

Prescription Specs: Chip jack pine that is encroaching on the weather station. No retention of trees or woody biomass in this stand.

Other Comments: May be possible to get cut with adjacent stands.

Next Steps: Burn if needed.

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	45158008-Other	19.4	42110 - Planted Red Pine	High Density Sapling	12		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	45158016-Other	25.1	42110 - Planted Red Pine	High Density Sapling	13		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	45158019-Other	13.5	42110 - Planted Red Pine	High Density Sapling	12		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33	45158033-Other	11.3	42110 - Planted Red Pine	High Density Sapling	13		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
35	**45158035-Other**	7.8	42110 - Planted Red Pine	Medium Density Log	82	1-50	Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor planted understory for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

46	**45158046-Other**	30.8	42110 - Planted Red Pine	Medium Density Sapling	14		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

52	**45158052-Other**	7.1	42110 - Planted Red Pine	High Density Sapling	14		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests.

Other Comments:

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

Proposed Start Date: Unspecified

59	**45158059-Other**	41.6	42110 - Planted Red Pine	High Density Sapling	13		Other	Unspecified	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Monitor for RHPS or other pests…

Other Comments:

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

Proposed Start Date: Unspecified

Total Treatment Acreage Proposed: 1166.0

Table 4 -- Treatments Prescribed with a Limiting Factor

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

Prescription Specs:

Other Comment:

Next Steps:

Proposed Start Date: #Error

Limiting Factor and No Treatment Reason

Total Treatment Acreage Proposed: **0**

Data updated before 2:00 PM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45104_OutOfY OE-Cut	19.8					Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Other Comments: This was a buffer left along the creek from a sale called Golden Eagle.

Next Steps:

Proposed Start Date: 10/01/2013

45152062-Cut	5.5	4115 - Y.Birch, Hemlock NH	High Density Log	76		Harvest	Clearcut with Reserves	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Clear Cut the stand leaving all white pine, hemlock, cedar and yellow birch. Also, leave one healthy, mature red maple, black cherry, spruce, fir, paper birch or sugar maple in order to retain a representation of the stand.

Other Comments: cut with adjacent compartment.

Next Steps: Check for regeneration in 4-5 years. Acceptable regeneration will include red maple, yellow birch, hemlock, white pine, black cherry, sugar maple, aspen, ash, beech, and balsam fir.

Proposed Start Date: 10/01/2011

45157_OutOfY OE-Cut	0.7					Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand where present.

Other Comments: cut with stand 1 in comp 158.

Next Steps:

Proposed Start Date: 10/01/2013

45195_OutOfY OE-Cut	27.3					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: Cut all of the beech in the stand. Mark 2-3 beech to leave when cruising.

Other Comments: Beech bark disease is affecting the beech within this stand.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.

Proposed Start Date: 10/01/2013

45202_OutOfY OE-Cut	449.6					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: Cut all beech in the stand. While cruising mark 2-3 beech per acre to leave.

Other Comments: Beech bark disease is present in the stand.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.

Proposed Start Date: 10/01/2012

Out of YOE -- Treatments Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:	**502.9**								

Data updated before 2:00 PM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	High Density Log	9.2	63	111-140	Log sized red pine stand thats BA is ready to be cut but has smaller diameters. Medium to heavy underbrush. Decent quality and looks healthy.
2	4134 - Aspen, Spruce/Fir	High Density Sapling	24.4	17		A young aspen stand with a mix of spruce, fir and paper birch. Stand has scattered red pine and jack pine. Great regeneration in a 17 year old clearcut.
3	42110 - Planted Red Pine	High Density Log	52.2	63	171-200	Log sized red pine stand. The north half has been thinned once before the south half has only been third row thinned with the jack pine also taken out. Scattered black cherry in the canopy. Thornapple present around the edge of the stand. Med. density of whips.
5	4116 - Mixed N. Hardwood - Aspen	High Density Pole	30.6	22	81-110	Very poor quality sugar maple stand with pockets of aspen and a mix of other species. Need to determine managment goals for the site to determine how to treat the stand.
6	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	63.1	30		Highly variable stand with some areas heavy to white pine other aspen or maple. Scattered areas of grassy opening in the stand. Serviceberry and thornapple present in stand.
8	42110 - Planted Red Pine	High Density Sapling	19.4	12		Young red pine plantation with lots of regeneration that looks healthy. Hardwood whips scattered throughout stand and jack pine saplings along the edges.
10	42110 - Planted Red Pine	High Density Log	23.6	72	171-200	Nice red pine stand with trees that have clean boles and large diameters. Scattered black cherry and low-med. density whips.
12	4110 - Sugar Maple Association	High Density Log	31.2	79	81-110	Hardwood stand that was thinned in 2006. Stand has a nice component of paper birch. Not the greatest qualtiy maple in this stand. There are a few scattered white pine. Lots of regeneration.
14	4112 - Maple, Beech, Cherry Association	High Density Sapling	1.9	13		A sapling sized mixed deciduous stand. A pocket of good hardwood regen in the middle of red pine plantations.
16	42110 - Planted Red Pine	High Density Sapling	25.1	13		Young red pine plantation with excellant regeneration. Stand has some scattered jack pine. Grasses growing under the red pine.
17	42140 - Planted Mixed Pine	High Density Log	49.7	72	171-200	A mix of log sized red pine and jack pine. Jack pine is quite large in the stand and needs to be taken out of the stand before it dies. There are some small areas of relatively low basal area. Lots of hardwood whips.
18	42110 - Planted Red Pine	High Density Log	59.7	73	111-140	Red pine plantation that looks to have been thinned in the recent past. A fair amount of slash is present in the stand. Nice trees mostly log sized with a few scattered poles. Lots of boulders.
19	42110 - Planted Red Pine	High Density Sapling	13.5	12		Young red pine stand with some scattered jack pine. Very thick regeneration.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	42220 - Natural Jack Pine	High Density Pole	31.6	62		Pole sized jack pine stand with a large component of red pine and a mix of other species. A few patches of aspen mixed into the stand.
21	4134 - Aspen, Spruce/Fir	High Density Pole	7.5	28		Mixed aspen stand that has a lot of conifer scattered throughout the stand. The stand also has a few scattered yellow birch and super canopy white pine..
22	4311 - Pine, Aspen Mix	Medium Density	51.5	12		This is a failed red pine plantation that was planted in 2000. The stand was not trenched because it is too rocky. It was planted twice and failed. We are removing this stand from plantation status and letting it revert back to a more natural state. Portions of the stand may come back to red pine where the pine is thicker.
24	4132 - Aspen, Jack Pine	High Density Pole	8.6	22		This is an aspen stand that has scattered jack pine. There are illegal 4-wheeler trail and brush piles in the stand.
25	42260 - Natural Pine, Mixed Deciduous	High Density Pole	9.1	63		A mix of jack pine and red pine with deciduos trees. Some pockets of aspen growing in the stnad. Most open areas have black cherry growing in and around them. Conifer understory.
27	4139 - Aspen, Mixed Deciduous	High Density Sapling	19.5	22		Sapling aspen stand with scattered white pine and black cherry. Good regeneration after harvest.
29	4130 - Aspen	High Density Sapling	14.9	27		Sapling sized aspen stand around the edge of an opening. Good regeneration. Scattered conifers.
32	4110 - Sugar Maple Association	High Density Sapling	20.6	26		Young maple stand with lots of black cherry regeneration and scattered conifers.
33	42110 - Planted Red Pine	High Density Sapling	11.3	13		Nice sapling red pine stand with scattered jack pine and black cherry. Raspberry and grasses growing under the pine.
34	4110 - Sugar Maple Association	High Density Log	804.6	92	81-110	This is a large hardwood stand that runs across the center of the compartment. About half of the stand was harvested last year of entry as part of Double Fork Hardwoods. What was not harvested is ready to be thinned. Has a low-medium density understory. BA of 120,60,150,110,100,120.120.80,60,160,90,100,130,110,170.
35	42110 - Planted Red Pine	Medium Density Log	7.8	82	1-50	This stand has 40-50 BA of log sized red pine in the canopy and was under planted with red pine in 2000. The red pine in the sub canopy looks healthy with good stocking levels. Continue to monitor the health of the young red pine.
39	4191 - Mixed Upland Deciduous with Conifer	Medium Density Pole	2.0	25	1-50	A matrix of maple and white pine with grassy openings. Some conifers along the road are yellowing.
40	4130 - Aspen	High Density Sapling	13.2	15		This stand is a combination of two aspen clear cuts that are less then ten years apart. Both portions of the stand have excellant regeneration and are doing well. Scattered conifers present in stand.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
42	4110 - Sugar Maple Association	High Density Sapling	12.7	18		Young hardwoods stand that is mix of sugar maple and black cherry.
43	4110 - Sugar Maple Association	High Density Pole	4.0	73	81-110	Pole size maple standthat has some scattered super canopy white pine and large yellow birch. There is a pocket of large aspen. Thick brush in the sub canopy.
45	4130 - Aspen	Medium Density Pole	4.7	28		This is a pole size stand that is mostly aspen. The west end of the stand is dominated by white pine and black cherry. There is a wetland that runs into the stand on the east end. Aspen is growing all along the edges of the wetland.
46	42110 - Planted Red Pine	Medium Density	30.8	14		Young red pine plantation. In the middle of the stand the plantation has failed and aspen, black cherry and jack pine are growing in along with scattered red pine that survived.
48	42220 - Natural Jack Pine	Medium Density Pole	2.2	31		Mixed pine stand that is mostly jack pine with red pine mixed in. Stand contains patches of young aspen. Stand continues onto private to the North.
50	4139 - Aspen, Mixed Deciduous	High Density Pole	26.9	25		Aspen stand with scattered conifers. Some scattered red and white pine in the stand. As you go further north inthe stand conifers make up a larger component.
51	42110 - Planted Red Pine	High Density Log	5.2	82	111-140	Log size red pine stand with scattered paper birch. Decent quality pine.
52	42110 - Planted Red Pine	High Density Sapling	7.1	14		Young red pine plantation with good regeneration. Stand has some scattered jack pine growing.
54	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	14.0	29		Young Mackinac Mix stand. Along the road it is heavy to aspen as you get further south there is a larger component of spruce and fir. Scattered black cherry.
56	4110 - Sugar Maple Association	High Density Pole	1.6	55	81-110	Narrow sliver of a pole sized maple stand that continues onto private to the North. Some scattered black cherry.
57	6120 - Lowland Cedar	High Density Pole	4.3	123		Wet cedar stand that has balsam fir around on the north edge.
59	42110 - Planted Red Pine	High Density Sapling	41.6	13		Young red pine stand with scattered jack pine, maples and black cherry. Good regeneration taht looks healthy.
60	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	8.0	27		A patch of aspen growing in a opening. Stand has a good mix of species in with the aspen including larger white pine and black cherry along with some scattered serviceberry.
61	42110 - Planted Red Pine	High Density Log	73.5	82	81-110	Nice red pine stand that is ready to be clear cut. Scattered black cherry and paper birch in the canopy.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	42290 - Natural Mixed Pine	Low Density Pole	2.1	24		Mixed stand of red pine and jack pine that continues onto the private to the North. Stand containes pcokets of grassy opening.
65	4319 - Mixed Upland Forest	High Density Pole	28.0	75	111-140	This stand is part of a failed planataion. Poor quality hardwood stand that was marked to be cut withthe adjacent pine. The stand contains some scattered log size red pine and pole size jack pine.
66	42140 - Planted Mixed Pine	High Density Log	9.3	75	171-200	Mix of red pine and jack pine that was soold once before but never cut. Jack pine is starting to die and needs to be harvested soon. Med. density understory.
67	42110 - Planted Red Pine	High Density Log	11.2	82	111-140	Nice stand of large log size red pine. This stand was not cut last time due to the politics involved with it being planted by the Daughters of the Revolution. The stand has medium density brush growing in it.
69	42110 - Planted Red Pine	Medium Density Log	22.7	82	51-80	This is a large log red pine stand. Part of a study area to regenerate red pine naturally. Stand was burnt twice and parts were scarifyied. There is very very little red pine actually regenerating in the stand. Some areas of the stand have a lot of brush growing in. Getting a mix of hardwood joining the canopy layer.
70	4139 - Aspen, Mixed Deciduous	High Density Sapling	34.8	20		Aspen stand that has regenerated nicely. Stand has scattered yellow birch, red pine and white pine. Lots of cherry regeneration mixed in.
73	4319 - Mixed Upland Forest	High Density Pole	28.2	24		Mackinac Mix stand taht is mostly pole size but contains some pockets of saplings. Scattered white pine and cedar. This stand is a transitional stand from upland to lowland cedar and contains some low wet spots.
76	4191 - Mixed Upland Deciduous with Conifer	High Density Sapling	21.2	22		Young aspen stand that borders the wetland. Stand contains scattered cedar and a decent amount of conifer.
77	42110 - Planted Red Pine	High Density Log	1.1	75	81-110	Log size red pine stand that is part of a larger stand in the adjacent compartment. This stand is going to be clearcut with the adjacent stand after mega mule is greened up. Good quality stand with lots of conifer brush.
78	6120 - Lowland Cedar	High Density Pole	50.1	134		This is a pole size cedar stand that is pretty wet. Fair of amount of deer activity in this stand.

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
4	3303 - Mixed Low Density Trees	14.3	Yes	Medium (NonForested)	This stand is an opening that is filling in with a mixture of hardwood and conifer trees. Consider treating the stand to maintain the opening.
7	330 - Low-Density Trees	2.2	N\A	Unspecified	
9	6225 - Bog	1.9	N\A	Unspecified	
11	330 - Low-Density Trees	2.7	N\A	Unspecified	
13	330 - Low-Density Trees	1.9	N\A	Unspecified	
15	330 - Low-Density Trees	4.2	N\A	Unspecified	
23	310 - Herbaceous Openland	19.1	N\A	Unspecified	
26	330 - Low-Density Trees	3.5	N\A	Unspecified	
28	310 - Herbaceous Openland	1.3	N\A	Unspecified	
30	310 - Herbaceous Openland	1.6	N\A	Unspecified	
31	330 - Low-Density Trees	9.7	N\A	Unspecified	
36	123 - Other High Intensity Urban	9.6	N\A	Unspecified	
37	320 - Upland Shrub	26.0	N\A	Unspecified	
38	122 - Road/Parking Lot	8.0	N\A	Unspecified	
41	310 - Herbaceous Openland	2.6	N\A	Unspecified	
44	310 - Herbaceous Openland	7.8	N\A	Unspecified	
47	623 - Emergent Wetland	4.1	N\A	Unspecified	
49	330 - Low-Density Trees	2.7	N\A	Unspecified	

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
53	3302 - Low Density Conifer Trees	31.4	Yes	High (NonForested)	
55	330 - Low-Density Trees	28.6	N\A	Unspecified	
58	623 - Emergent Wetland	1.6	N\A	Unspecified	
63	310 - Herbaceous Openland	21.2	Planted	Red Pine	This stand is supposed to be trenched and planted in the near future. FTP # C44-546
64	623 - Emergent Wetland	4.2	N\A	Unspecified	
68	310 - Herbaceous Openland	3.3	N\A	Unspecified	
71	3105 - Mixed Upland Herbaceous	52.0	Planted	Red Pine	
72	310 - Herbaceous Openland	2.3	N\A	Unspecified	
74	50 - Water	16.0	N\A	Unspecified	
75	50 - Water	3.6	N\A	Unspecified	
79	622 - Lowland Shrub	8.6	N\A	Unspecified	
80	622 - Lowland Shrub	0.2	N\A	Unspecified	
81	622 - Lowland Shrub	5.3	N\A	Unspecified	

7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Stand	SCA Type	SCA Name	Acres	Comments

8 – DEDICATED CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description