

Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42121

Entry Year: 2027

Acreage: 2,097

County: Luce

Management Area: Seney Lake Plain

Stand Examiner: Anthony Ciaramitaro

Legal Description:

T45N R09W Sections 1, 2, 11, 12, 13 & 14

Identified Planning Goals:

Wildlife habitat along with timber management and recreation are the main uses of this area. The goal is to maintain and improve the forest health and diversity, while subsequently improving wildlife habitat through proper forest management. Where necessary expanded timber management is recommended. Increasing management activity will provide and increase the diversity of wildlife habitat.

Soil and topography:

The soil in this compartment is predominantly Carbondale, Lupton and Tawas mucks. cover types associated with these soils include cedar, black spruce, and a mix swamp conifer. The areas of slightly higher ground found near M-28, and in the southern portion of the compartment, are comprised of a heavy silt loam soil, mainly Pickford silt loam. On these soils, aspen, low quality hardwoods, white birch, and lowland brush make up the cover types. The topography is level throughout the entire compartment.

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

The compartment is almost entirely State lands. The private property within the compartment is along Highway M-28 and one 80 acre parcel is situated along the Sage River. State land borders the compartment to the north, west and south. To the east, private corporate land borders the compartment north of M-28 and State land borders the compartment to the south of M-28. Due to the lowland nature of the compartment and surrounding State land, land use and development are minimal to moderate. The private parcels along M-28 do have both seasonal and permanent residences on them. The are is used primarily for deer hunting.

Unique Natural Features:

MNFI lists no feature within the compartment boundaries. There is potential for numerous rare plants and wildlife. Extremely remote areas, with zero access.

Archeological, Historical, and Cultural Features:

There are no records of historical features with the compartment.

Special Management Designations or Considerations:

Proposed harvests south of M-28 were removed due to market conditions and current harvest possibilities. Their goal was to help spread out the food resources for wintering deer and not draw deer back and forth across the highway with simultaneous harvests north of M-28. Future harvest possibilities would need consideration for lack of access.

Watershed and Fisheries Considerations:

Fisheries Concerns: The West Branch Sage River and the Big Ditch are both designated trout streams. The West Branch Sage River is a popular stream for fishing Brook Trout upstream of M-28. Treatments that will not have aspen regeneration, such as stands 09, 33, and 49 should adhere to the 100-foot minimum, with 5 feet per 1% increase in slope, Riparian Management Zone (RMZ) to follow BMP's. If aspen regeneration will occur, the designated trout stream 300-foot buffer should be adhered to. Downstream of M-28 the stream is classified as a warm transitional stream meaning good for warm water key sport species such as Northern Pike, Muskellunge, and Walleye. No treatments are scheduled for this area, but if they are in the future standard BMP's should apply when working near these waterbodies.

Wildlife Habitat Considerations:

Compartment 121 lies in the Seney Lake Plain Management Area in southern Luce county and within the historic Sage River Deer yard which supports high numbers of deer during stressful winter periods. The west branch of the Sage River runs along the western and northern borders of the compartment. The northern portion of the compartment is predominately spruce interspersed with cedar. Birch, aspen, swamp hardwoods and swamp conifer stands are interspersed with cedar in the central and southern portions of the compartment and tend to have a high component of cedar throughout. This compartment is predominantly purchased lands. Cedar and hemlock conifer canopies, or those stands containing decent amounts of those species, should not be disturbed in this compartment to maintain the wildlife values and thermal

cover of those stands. Forested corridors should be maintained to facilitate ease of movement between upland and lowland areas. Buffer zones along streams and rivers should be sustained to preserve travel corridors and wetland wildlife values and habitats. Wildlife objectives will be achieved by the retention of conifers, hard and soft mast producing trees, wildlife den and nest trees and snags in stands and the preservation of conifer components in aspen stands. White-tailed deer, moose, black bear, fisher, American marten, snowshoe hare, ruffed grouse and woodcock, gray wolf, otter and mink are noteworthy wildlife species using this compartment. Featured species include American woodcock, blackburnian warbler, American marten, red crossbill, spruce grouse, wood thrush, ruffed grouse, snowshoe hare and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of peat and muck and lacustrine clay and silt. There is either insufficient data to determine the glacial drift thickness or 10 to 50 feet of till. the Silurian Manitoulin Dolomite and Ordovician Queenston Shale, Big Hill Dolomite and Stonington Formation subcrop below the glacial drift. The Manitoulin and Bill Hill could be quarried for stone. Gravel pits are not located in the area and potential is limited. There is no economic oil and gas production in the UP.

Vehicle Access:

The compartment is located 9 miles east of Newberry. Highway M-28 runs east and west through the center of the compartment while County Road 393 (Borgstrom Road) runs south from M-28 along the east side. There are several winter roads in the compartment, however lack of use has allowed these road to fill in and would require extensive work for access again. Virtually no interior road access in the entire compartment.

Survey Needs:

Survey needs would be in section 13 for private lines to become established before harvesting occurs.

Recreational Facilities and Opportunities:

There are no established recreational facilities within the compartment. Recreational opportunities include dispersed hunting, fishing and hiking.

Fire Protection:

Fires should remain small except in periods of increased drought conditions. Access for fire suppression activities will be difficult with conventional equipment because of the soft ground and lack of roads.

Additional Compartment Information:

A 300 acre timber sale, "Leisurely Stroll Spruce", has remained active in the area north of M-28 for what will be, at year of entry (YOE), ten years. Other YOE treatments in the compartment were set to coincide with this harvest and were subsequently removed due to the current sale not being harvested. Other stands in this area "south of M-28" contain small, stunted, trees and are typically contained within MNFI site conditions for deer yard. Timber management of this compartment should be minimal if any.

The following reports from the Inventory are attached:

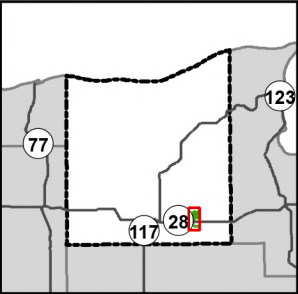
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

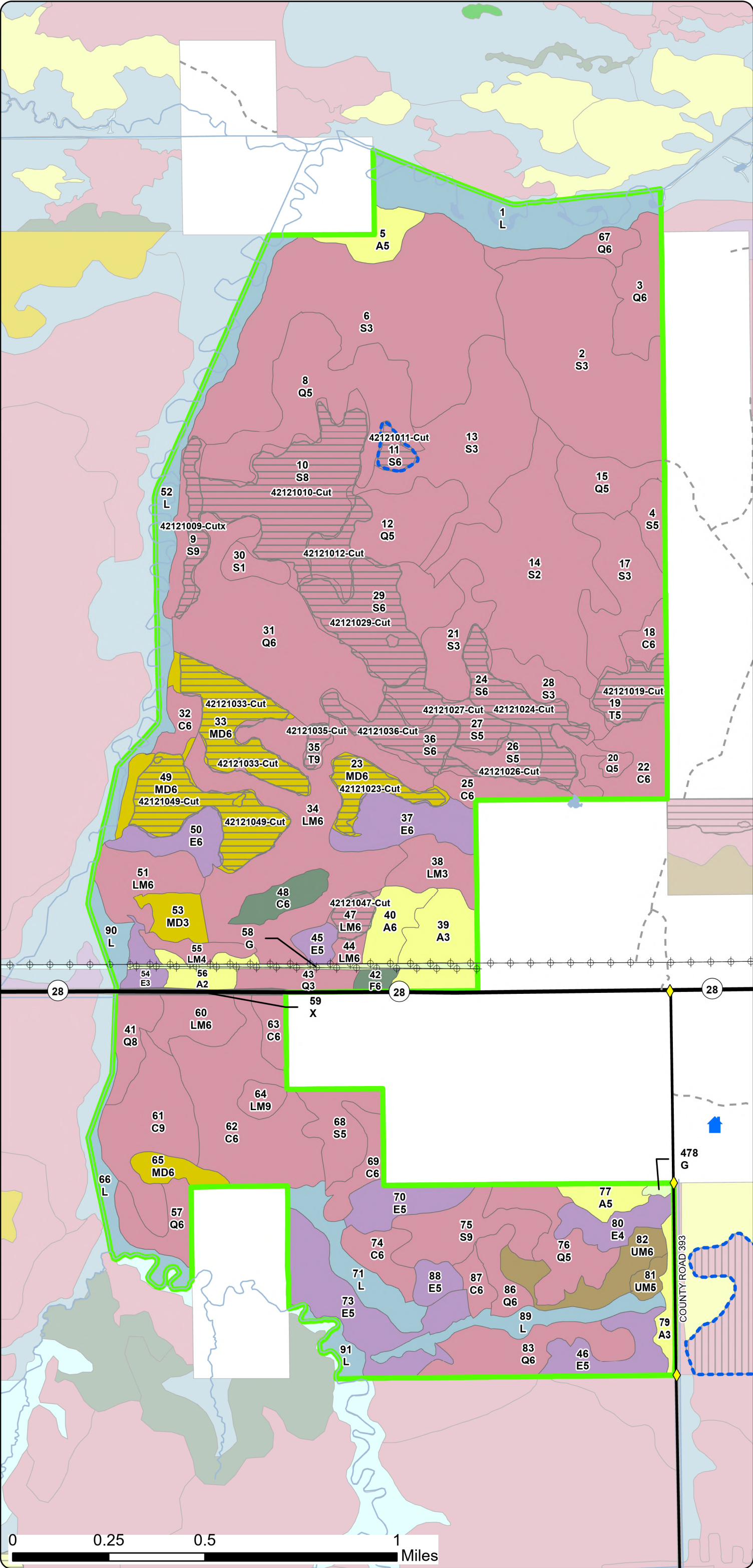
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

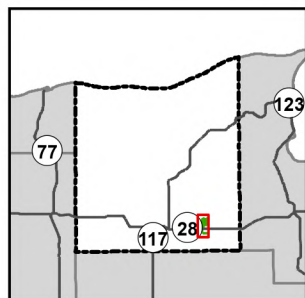
Compartment: 42121
T46N R09W, Sec. 36
T45N R09W 01, 02, 11-14
County: Luce
Unit: Newberry
Mgmt. Area: Seney Lake Plain
YOE: 2027
Acres: 2,097.39 GIS Calculated
Examiner: Anthony Ciaramitaro
Date Exported: 08/19/2025
Map Phase: Web Post














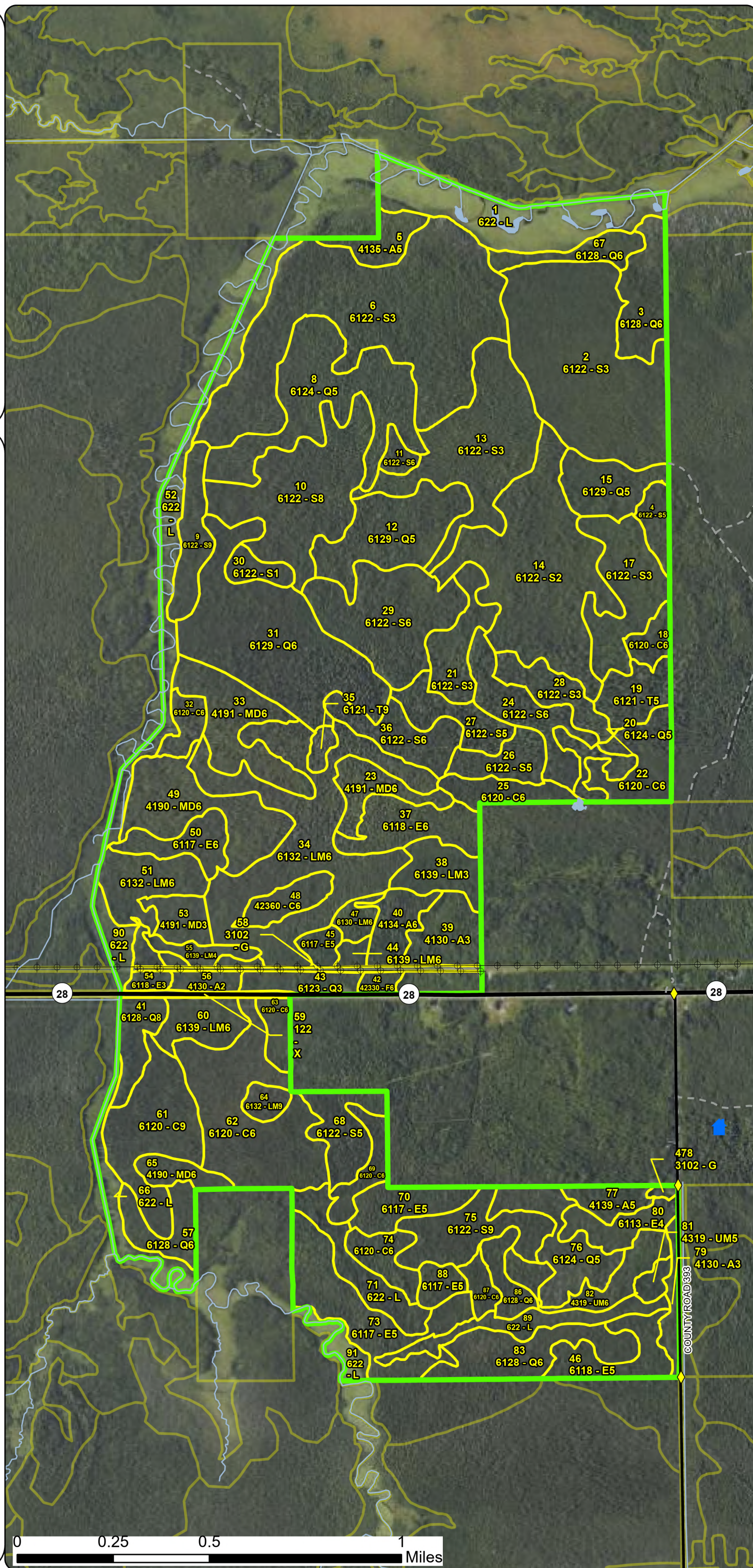
- Survey Grade Corners
- House
- Federal / State Highway
- Federal / State / County - Paved Road
- Private - Dirt / Gravel Road
- Powerline
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut
- Clearcut
- Shelterwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub



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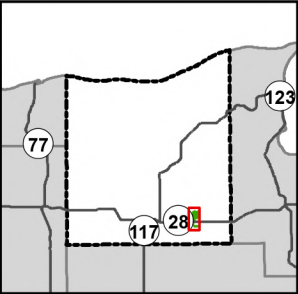


-  Survey Grade Corners
 House
 Federal / State Highway
 Federal / State / County - Paved Road
 Private - Dirt / Gravel Road
 Powerline
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 Stand Outline
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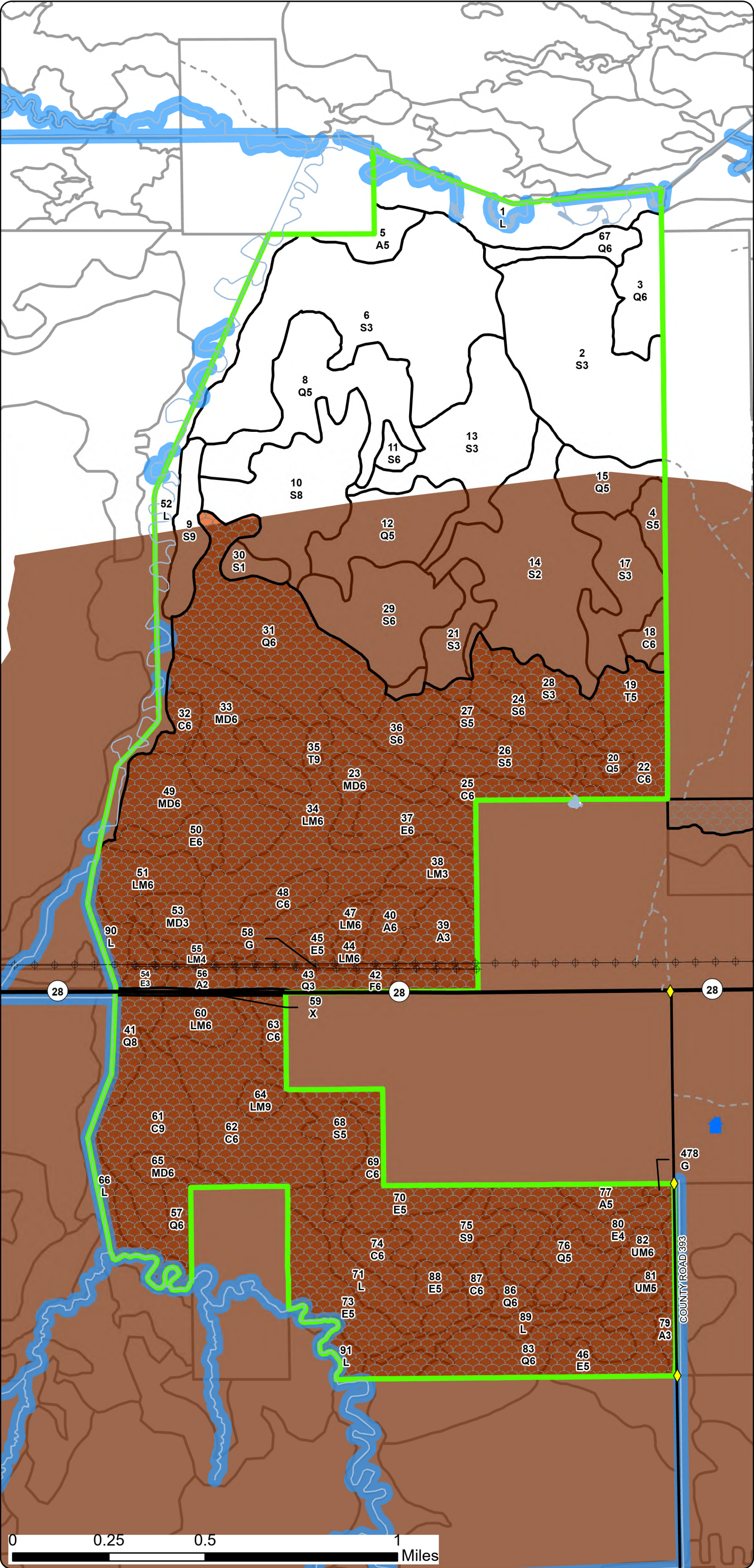


Special Conservation Areas
& Site Conditions Map

Compartment: 42121
T46N R09W, Sec. 36
T45N R09W 01, 02, 11-14
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- Survey Grade Corners
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- Powerline
- Perennial River
- Lakes and Rivers
- Counties
- Compartment Boundary
- Stand Boundaries
- SCA Removal
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Other Habitat Area



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 121 Year of Entry 2027

Anthony Ciaramitaro: Examiner

Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Unseen-Aged	Total
Aspen	0	0	37	0	8	0	15	0	10	0	0	12	0	0	0	0	0	0	82
Cedar	0	0	0	0	0	0	8	0	0	54	0	32	66	0	52	0	0	0	212
Herbaceous Openland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Lowland Conifers	0	0	0	0	0	0	11	0	10	0	65	196	87	0	0	0	0	0	368
Lowland Deciduous	0	0	7	0	0	0	0	0	0	58	0	91	0	0	0	0	0	0	155
Lowland Mixed Forest	0	0	0	0	17	7	4	0	0	17	6	129	0	0	0	0	0	0	180
Lowland Shrub	160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	160
Lowland Spruce/Fir	0	0	0	0	240	105	0	0	0	159	0	29	235	0	0	0	0	0	768
Mixed Upland Deciduous	0	0	0	0	0	0	12	0	0	50	0	49	0	0	0	0	0	0	111
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	20
Upland Mixed Forest	0	0	0	0	5	0	0	0	0	0	0	20	0	0	0	0	0	0	24
Upland Spruce/Fir	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Urban	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Total	174	0	44	0	270	112	54	0	20	338	71	558	408	0	52	0	0	0	2098

Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2027

Acres of Harvest

Compartment 121

Total Compartment Acres: 2,097

Commercial Harvest - 588

Harvests with Site Condition - 10

Next Step Harvest - 0

Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overshoot Removal	Salvage	Other	Total Acres
Lowland Conifers	13	0	0	0	0	0	0	0	0	13
Lowland Mixed Forest	7	0	0	0	0	0	0	0	0	7
Lowland Spruce/Fir	180	0	0	0	0	0	0	0	0	180
Mixed Upland Deciduous	82	0	0	0	0	0	0	0	0	82
Tamarack	17	0	0	0	0	0	0	0	0	17
Total	299	0	0	0	0	0	0	0	0	299

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	299	0	0	0	0	0	0	0	0	299
Next Step	0	0	0	0	0	0	299	0	0	299
Total	299	0	0	0	0	0	299	0	0	598

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

9	42121009-Cutx	10.4	6122 - Black Spruce	9	115	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
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Prescription No harvesting of cedar or hemlock (if present) and use a 200' buffer. Harvest will benefit wintering deer.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Species that are present now.Regen:Other Harvest in frozen conditionsComment:Site Condition:Proposed Start Date: 10/01/2016

10	42121010-Cut	58.5	6122 - Black Spruce	8	112	51-80	Harvest	Clearcut	6124 - Lowland Spruce-Fir	Planting Record	No
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Prescription Final harvest, leaving cedar and hemlock (if present), for the benefit of wintering deer.Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Species that are present nowRegen:Other Harvest in frozen conditions. If able to treat may want to dip into the north part of stand 9.Comment:Site Condition:Proposed Start Date: 10/01/2016

11	42121011-Cut	5.2	6122 - Black Spruce	6	112	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
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Prescription Final harvest, leaving cedar and hemlock (if present).Specs:Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable Species that are present now.Regen:Other Stand should be harvested with nearby stands due to small acreage. Winter cut.Comment:Site Condition: Shelterwood/Seed SourceProposed Start Date: 10/01/2016

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
12 42121012-Cut	12.6	6129 - Mixed Coniferous Lowland Forest	5	112	1-50	Harvest	Clearcut	612 - Lowland Coniferous Forest	Planting Record	No
<u>Prescription</u> Final harvest leaving cedar and hemlock. Access to stand 11 will be easier from this treatment. Only leaving cedar, and hemlock if present, <u>Specs:</u> to allow for more sunlight for regeneration of other species. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are present now. <u>Regen:</u> <u>Other</u> Harvest during frozen conditions. Stand is part of 12 but with more BA - harvest should occur before spruce falls out of the stand more. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
19 42121019-Cut	14.2	6121 - Tamarack	5	112	81-110	Harvest	Clearcut	6121 - Tamarack	Planting Record	No
<u>Prescription</u> No retention due to high mortality that has already occurred. There is also regeneration starting to come into the areas that are more open. <u>Specs:</u> More BA in the north part of the stand. Tamarack has bug kill. Leave hemlock if present. <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are already present <u>Regen:</u> <u>Other</u> Stand has a pocket where larch beetle is starting to infest trees. Early start date to go with C128 harvesting or harvesting that could occur on <u>Comment:</u> the adjacent private. Winter cut.2/25/16 - Start date changed back to 10/1/16. Re-evaluated and decided to p <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
23 42121023-Cut	13.5	4191 - Mixed Upland Deciduous with Conifer	6	102	81-110	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Planting Record	No
<u>Prescription</u> Final harvest while trees are still healthy. No harvest cedar or hemlock (if present). Harvest will benefit wintering deer. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are already present <u>Regen:</u> <u>Other</u> Cut during frozen conditions due to access. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
24 42121024-Cut	25.5	6122 - Black Spruce	6	112	81-110	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Final harvest, no cutting of cedar (only a small amount of BA) or hemlock (if present). Leave scattered pockets of wind firm trees for a seed source. Harvest will benefit wintering deer. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are already present <u>Regen:</u> <u>Other</u> Edges have the better merchantable timber. Harvest in frozen conditions. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
26 42121026-Cut	8.6	6122 - Black Spruce	5	83	1-50	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Final harvest with no cut cedar or hemlock (if present). Harvest during frozen condition. Harvest will benefit snowshoe hare. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are present now. <u>Regen:</u> <u>Other</u> Edges have the best merchantability, middle section can be left for seed source and retention. Winter cut. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
27 42121027-Cut	18.5	6122 - Black Spruce	5	112	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Final harvest, no cutting of cedar or hemlock (if present). Harvest in frozen conditions. Harvest will benefit snowshoe hare. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are present now. <u>Regen:</u> <u>Other</u> Mortality hitting stand, harvest before trees are on the ground and the seed source is gone. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
29 42121029-Cut	35.7	6122 - Black Spruce	6	112	51-80	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Final harvest, no cutting of cedar, white pine (Trace amount) or hemlock (if present). Leave some patches of wind firm spruce/tamarack for a seed source. Harvest in frozen conditions. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are already present. <u>Regen:</u> <u>Other</u> Mortality has hit the NE part of the stand and is continuing. Harvesting needs to take place before more trees die and a good seed source is lost. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
33 42121033-Cut	33.4	4191 - Mixed Upland Deciduous with Conifer	6	100	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Final harvest, no cutting of cedar or hemlock (if present). Stand should be harvested in frozen conditions. Harvest will benefit wintering deer. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are already present. <u>Regen:</u> <u>Other</u> Cedar is mainly in clumps and will make good retention areas. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
35 42121035-Cut	3.1	6121 - Tamarack	9	112	111-140	Harvest	Clearcut	6121 - Tamarack	Planting Record	No
<u>Prescription</u> Final harvest, no cutting of cedar or hemlock (if present). Cedar is in patches so harvesting of other species should not be a problem. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are present. <u>Regen:</u> <u>Other</u> Harvest in frozen conditions. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
36 42121036-Cut	18.0	6122 - Black Spruce	6	112	111-140	Harvest	Clearcut	6122 - Black Spruce	Planting Record	No
<u>Prescription</u> Final harvest, leaving patches of wind firm spruce for a seed source. Trace amounts of cedar on edges, do not cut. Leave hemlock if present. <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are present. <u>Regen:</u> <u>Other</u> Harvest in frozen conditions. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										
47 42121047-Cut	6.7	6130 - Fir, Aspen, Maple	6	108	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
<u>Prescription</u> Final harvest with no retention except the small amount of cedar in the area. Leave hemlock if present. Only leaving cedar, and hemlock if present, to allow for more sunlight for regeneration of other species. Do not cut sub-merchantable trees to benefit <u>Specs:</u> <u>Next Step</u> Monitoring, Natural Regen (Re-Inventory) <u>Treatments:</u> <u>Acceptable</u> Species that are present <u>Regen:</u> <u>Other</u> Harvest on frozen ground. <u>Comment:</u> <u>Site Condition:</u> <u>Proposed Start Date:</u> 10/01/2016										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
49 42121049-Cut	35.2	4190 - Mixed Upland Deciduous with Cedar	6	83	51-80	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Planting Record	No
<u>Prescription</u> Final harvest leaving retention pockets around cedar areas. No harvesting of cedar or hemlock (if present). Harvest will benefit wintering deer										
<u>Specs:</u>										
<u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)										
<u>Treatments:</u>										
<u>Acceptable</u> Species that are present.										
<u>Regen:</u>										
<u>Other</u> Harvest in frozen conditions.										
<u>Comment:</u>										
<u>Site Condition:</u>										
<u>Proposed Start Date:</u> 10/01/2016										

Total Treatment
Acreage Proposed: 299.1

Report 4 – Site Conditions

Newberry Mgt. Unit
Anthony Ciaramitaro: Examiner

Compartment: 121
Year of Entry: 2027



Availability for Management

Total	Acres	Acres Avail	Acres	Dominant Site Conditions							
Acres	Available	With Condition	Not Available		5B	5C	5F	3H	3J	3L	5E
82	70	12	0	Aspen	12						
211	39	12	159	Cedar			12	159			
9	9	0	0	Herbaceous Openland							
332	11	117	205	Lowland Conifers	117			163	40		2
154	29	80	45	Lowland Deciduous	15	26	40	42	3		
165	41	0	125	Lowland Mixed Forest				121	2		2
159	39	0	120	Lowland Shrub					120		
619	549	52	19	Lowland Spruce/Fir	51		1		13		5
75	61	0	14	Mixed Upland Deciduous						9	5
20	20	0	0	Tamarack							
24	5	20	0	Upland Mixed Forest			20				
4	4	0	0	Upland Spruce/Fir							
5	5	0	0	Urban							
1,859	879	293	686	Total Forested Acres	195	26	73	486	178	9	14
	47%	16%	37%	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
1	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	52	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: RMZ to the West Branch Sage River.								
2	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Over story has little BA, manage for understory coming in.								

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4	Available	5B: Maintain for regeneration purposes	65	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Over story lost to mortality, manage for understory. Evaluated for SBW. Some areas may be picked up during adjacent sale setup.							
5	Available	5B: Maintain for regeneration purposes	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low BA and not many stems that are merchantable. Good stand to leave when treating surrounding area. Seed source							
6	Available	5B: Maintain for regeneration purposes	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Low BA and not many merchantable stems. Good stand to leave when surrounding timber is harvested for seed source.							
7	Unavailable	3L: Other wildlife concerns	9	2I: Survey needed	Unspecified	Unspecified	Unspecified
Comments: Due to the cutting of cedar for access WLD would rather not harvest stand. Did not see evidence of private lines.							
8	Available	5B: Maintain for regeneration purposes	14	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Mature trees falling down. Merchantable more to the west. Leave this area to natural regeneration. Evaluated for SBW. Merchantable portion of stand is already prescribed for harvest.							
9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Save to harvest after adjacent stands are regenerated.							

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10	Available	5B: Maintain for regeneration purposes	29	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Just about all tamarack and spruce are dead. Manage now for the regeneration. Evaluated for SBW. Merchantable portion of stand has harvest already prescribed.							
11	Available	5B: Maintain for regeneration purposes	14	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Less BA than stand 12, manage for regeneration. Evaluated for SBW.							
12	Available	5B: Maintain for regeneration purposes	9	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Mature spruce is falling out of the stand. Manage for the spp that is coming in now. Evaluated for SBW.							
13	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	86	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is of fair quality, leave for diversity with the surrounding stands being treated. Evaluated for SBW. Deer yard. Evaluate during adjacent sale setup.							
14	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Poor quality and low BA. Leave due to treating surrounding stands.							
15	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Treat in 10 years. Poor quality compared to stand to the north, gets more open to the south.							

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16	Available	5B: Maintain for regeneration purposes	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: High water table, lots of blow down. Cedar coming up as the regeneration in the more open areas.							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	167	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard. Cedar stands on purchased lands.							
18	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Hardwood over cedar. If harvesting occurs cedar would need to be cut for operability.							
19	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments: The only area that could be treated without harvesting cedar would be the acreage to the north.							
20	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	32	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: Good quality cedar in patches and mixed in enough that harvesting without cutting area may be difficult. Should hold for another 10 years if harvesting is needed.							
21	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mortality and blow down. Manage with adjacent stand when that is ready.							

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22	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments: RMZ to the West Branch Sage River.							
23	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: RMZ for the West Branch Sage River.							
25	Available	5F: Evaluated for Forest Health Considerations	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments: SBW- stand was labeled with SBW- upon further discussion UM would like to not harvest at this time due to the large acreage already being harvested in this compartment.							
26	Available	5F: Evaluated for Forest Health Considerations	40	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							
27	Available	5F: Evaluated for Forest Health Considerations	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW. Thick cedar stand with a component of balsam/spruce. Deer yard.							
28	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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29	Unavailable	5E: Long-Term Retention	5	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Site condition changed to 5E to account for retention requirements for Stand 24, as discussed with the wildlife biologist. More mortality here than prescribed portion of stand. Manage this area for understory regeneration. Evaluated for SBW.							
30	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
31	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
33	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
35	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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36	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: 							
37	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments: RMZ for the West Branch Sage River.							
38	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments: Portion to the south would have 1/2 removed to buffer creek. Stand is of poor quality. Cedar is coming up as the new stand as the other spp fall out.							
39	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	133	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard. Stand has high BA of cedar and is on purchased lands.							

Report 5 – 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
remove	Habitat Area or Habitat Corridor	Other Habitat Area	SCA Removal	1194
Comments				
SCA -already in deer yard SCA				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
1	622 - Lowland Shrub	None	51.8	Unspecified	No	OPIC - FMD: Lowland brush corridor along the river		
2	6122 - Black Spruce	Sapling Well	104.9	46	51-80	N/A	OPIC - FMD: Young spruce regeneration. Strip cuts done in 1970 and then the leave strips cut in 1979. Carbondale, Lupton and Tawas muck soils. 10/14/24 Combined with mature spruce pocket to east, lots of budworm and blowdown occurring. Aged ~111 years at last inventory. Regenerating naturally.	
3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	23.9	104	51-80	N/A	JB- BA lower due to higher water table. There is probably feeder drains coming from the river causing the slow growth and poorer quality. OPIC - FMD: OI Stand Year Origin was 1921. Mixed stand of various species. Mortality throughout. 6/1/25 : No action this YOE	
4	6122 - Black Spruce	Poletimber Medium	8.7	112	1-50	N/A	JB- Stand is converting over to a younger aged stand. Mature trees are dying out and blowing down. Same mix off spp filling in. May have the opportunity to harvest when the regeneration is mature. OPIC - FMD: Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks. Pockets of older taller spruce throughout with high mortality and sporadic natural regeneration. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.	
5	4135 - Aspen, Cedar	Poletimber Medium	12.1	105	1-50	N/A	JB- Stand is falling down. The understory will become the next stand. OPIC - FMD: OI Stand Year Origin was 1920. High mortality, small deciduous stand. 6/1/25 : No action this YOE	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
6	6122 - Black Spruce	Sapling Well	146.4	30	1-50	N/A	JB- Stand is converting over to a younger aged stand. Mature trees are dying out and blowing down. Same mix off spp filling in. More diversity by the river. May have the opportunity to harvest when the regeneration is mature. OPIC - FMD: Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks.10/24 Remote call, retained stand canopy and comments.				
Canopy Species		% Cover	Size Class	DBH	Age						
Paper Birch		10	Log	2							
Black Spruce		15		10	112						
Northern White Cedar		10	Seedling	8							
Balsam Fir		5	Log	2							
Red Maple		10		10							
Black Spruce		40	Log	2	30						
Red Maple		10	Log	2							
8	6124 - Lowland Spruce-Fir	Poletimber Medium	64.7	93	1-50	N/A	JB- Spruce falling out of stand. A good variety is filling in. If treating adjacent stands may want to come in and get some of this area. OPIC - FMD: Mainly spruce with some balsam and tamarack. Pockets of merchantable spruce and tamarack. Compared to the 1953 and 1964 photos, these areas are expanding due to decline in the mature spruce. Open areas throughout stand of more of an S1/S2. Some red maple and cedar regeneration. Carbondale, Lupton and Tawas mucks.10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Maple		15	Sapling	7		Balsam Fir		Low	10 - 20 feet	10 - 20 feet	
Paper Birch		10	Sapling	5		Black Spruce		Low	5 - 10 feet	5 - 10 feet	
Northern White Cedar		10	Seedling	7		Red Maple		Trace	10 - 20 feet	10 - 20 feet	
Balsam Fir		15	Seedling	5		Tag Alder		Low	5 - 10 feet	5 - 10 feet	
Black Spruce		30		10	93						
Tamarack		5	Log	2							
Black Spruce		10	Log	2							
Tamarack		5		10							
9	6122 - Black Spruce	Sawtimber Well	18.9	115	81-110	N/A		JB- Mortality is beginning. Areas outside of RMZ should be treated before stand is totally lost. No harvesting of cedar. OPIC - FMD: Tall black spruce along the Sage River corridor. Healthy spruce with scattered tamarack and an occasional cedar. Access to this stand would be extremely difficult. Carbondale, Lupton and Tawas mucks.			
Canopy Species		% Cover	Size Class	DBH	Age						
Northern White Cedar		5	Seedling	7							
Black Spruce		85		9	115						
Balsam Fir		5	Sapling	7							
Tamarack		5		10							
10	6122 - Black Spruce	Sawtimber Medium	65.0	112	51-80	N/A	JB-Stand is starting to break up. It should be treated before the trees are lost. The open areas are getting regeneration but not coming in fully stocked from the shading. OPIC - FMD: Nice dense black spruce stand. Healthy. Scattered tamarack throughout stand. Blowdown along edges of the stand. Plot data is from stands 24, 29, and 36. Access could be a problem due to private land and wet ground. Check in 10 years for harvest. Carbondale, Lupton and Tawas mucks.				
	Canopy Species		% Cover	Size Class	DBH	Age		Sub-Canopy Species	Density	Avg. Height	Size
	Northern White Cedar		10	Seedling	7			Tag Alder	Low	5 - 10 feet	5 - 10 feet
	Tamarack		30		10	112		Paper Birch	Low	10 - 20 feet	10 - 20 feet
	Black Spruce		55		10	112		Red Maple	Low	10 - 20 feet	10 - 20 feet
	Balsam Fir		5	Sapling	6			Northern White Cedar	Low	10 - 20 feet	10 - 20 feet
								Black Spruce	Low	5 - 10 feet	5 - 10 feet
								Nannyberry	Low	5 - 10 feet	5 - 10 feet
							10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.				

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
11	6122 - Black Spruce	Poletimber Well	4.9	112	51-80	N/A	JB- Stand is at maturity and should be harvested before it falls down. Treat with adjacent stands. OPIC - FMD: Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks.
10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.							
12	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	40.7	112	1-50	N/A	JB- Lost almost all the tamarack and spruce to old age. Regeneration is coming in well. No sign of deer browse or tracks in the area. The only difference between stands 10/12 is the lack of regeneration and lack of BA. Stand should be salvaged. OPIC - FMD: Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks.
10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.							
13	6122 - Black Spruce	Sapling Well	64.2	83	1-50	N/A	JB- Stand has some pockets of merchantable spruce and tamarack but it is still mainly open or filling in with the species listed. The over story timber is over mature and falling down. OPIC - FMD: Mainly spruce with some balsam and tamarack. Pockets of merchantable spruce and tamarack. Compared to the 1953 and 1964 photos, these areas are expanding due to decline in the mature spruce. Open areas throughout stand of more of an S1/S2. Some red maple and cedar regeneration. Carbondale, Lupton and Tawas mucks.10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.
14	6122 - Black Spruce	Sapling Medium	94.1	30	1-50	N/A	JB- Stand is converting over to a younger aged stand. Mature trees are dying out and blowing down. Same mix off spp filling in. May have the opportunity to harvest when the regeneration is mature. OPIC - FMD: Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks.Pockets of older taller spruce throughout with high mortality and sporadic natural regeneration. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																
15	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	21.0	112	1-50	N/A	JB- Lots of diversity, spruce and tamarack are over mature and falling down. Understory is replacing the stand. OPIC - FMD: Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. New imagery shows extensive deciduous component in this stand.																																																																
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17	6122 - Black Spruce	Sapling Well	36.2	83	1-50	N/A	JB- Stand has some pockets of merchantable spruce and tamarack. The majority of the stand is a S3/M2/T1. If treating surrounding stand might be able to go into the edges and treat to help promote better regeneration. OPIC - FMD: Mainly spruce with some balsam and tamarack. Pockets of merchantable spruce and tamarack. Compared to the 1953 and 1964 photos, these areas are expanding due to decline in the mature spruce. Open areas throughout stand of more of an S1/S2. Some red maple and cedar regeneration. Carbondale, Lupton and Tawas mucks. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																																																
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18	6120 - Lowland Cedar	Poletimber Well	7.5	87	1-50	N/A	JB- Starting to get some merchantable sticks in all the species. Branches to the ground in most places. More species diversity on the edges and open areas. No Deer present. OPIC - FMD: OI Stand Year Origin was 1938 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																																																
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19	6121 - Tamarack	Poletimber Medium	16.2	112	81-110	N/A		JB- Tamarack is infested with eastern larch beetle. Black spruce falling out of the stand. Some areas are fairly open with low BA. If treating adjoining stands this stand should also get a treatment. OPIC - FMD: SCA = winter deer yard. Stand condition is "4". Nice dense black spruce stand. Healthy. Scattered tamarack throughout stand. Blowdown along edges of the stand. Plot data is from stands 24, 29, and 36. Access could be a problem due to private land and wet ground. Check in 10 years for harvest. Carbondale, Lupton and Tawas mucks. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																																															
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
24	6122 - Black Spruce	Poletimber Well	25.9	112	81-110	N/A	<p>JB- There is a mix of the overstory spp filling in the more open areas where the mature spruce and tamarack have fallen out of the stand. Stand should be harvested before more of the trees are dead. No deer sign. OPIC - FMD: SCA = winter deer yard. Stand is mature. Nice dense black spruce stand. Healthy. Scattered tamarack throughout stand. Blowdown along edges of the stand. Plot data is from stands 24, 29, and 36. Access could be a problem due to wet ground to go through to get to the stand. Possible via old ice road on a good winter. Possible to harvest with stands 29, 36, and 35. Much of the area appears to be dying out when compared to the 1953 and 1964 photos. If access is possible, manage these stands before they decline. Carbondale, Lupton and Tawas mucks. Cultural work needed = wildlife division will plant cedar on the access road/route used for the harvest of prescribed stands north of M-28 once the harvest is complete.</p> <p>10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		55		9	112	Nannyberry		Low	5 - 10 feet	
Tamarack		30		10		Tag Alder		Low	5 - 10 feet	
Paper Birch		5	Seedling	7						
Red Maple		5	Seedling	7						
Balsam Fir		5	Seedling	7						
25	6120 - Lowland Cedar	Poletimber Well	12.9	103	81-110	N/A	<p>JB- Fair quality, would be good to treat edges to keep age and spp diversity in the stand. No sign present. OPIC - FMD: SCA - deer yard. Thick understory. Open areas throughout. Diameters are variable. Carbondale, Lupton and Tawas mucks.</p> <p>10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.</p>			
Canopy Species		% Cover	Size Class	DBH	Age					
Black Spruce		20		9						
Paper Birch		10	Sapling	7						
Balsam Fir		10	Sapling	7						
Northern White Cedar		60		9	103					
26	6122 - Black Spruce	Poletimber Medium	15.1	83	1-50	N/A	<p>JB- Would be good to treat the edges where there is more merchantable timber. The center has more open areas of S3/S2 understory. Cedar is mainly on the south edge. No deer sign. OPIC - FMD: SCA = winter deer yard. Mainly spruce with some balsam and tamarack. Pockets of merchantable spruce and tamarack. Compared to the 1953 and 1964 photos, these areas are expanding due to decline in the mature spruce. Open areas throughout stand of more of an S1/S2. Some red maple and cedar regeneration. Carbondale, Lupton and Tawas mucks. Cultural work needed = wildlife division will plant cedar on the access road/route (old ice road) used for the harvest of the prescribed stands north of M-28 once the harvest is complete. The access route runs through this stand. Treatment period for harvest of this stand is "3". Stand condition is "5".</p> <p>10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		70	Seedling	8	83	Red Maple		Low	10 - 20 feet	
Red Maple		5	Sapling	7		Balsam Fir		Low	5 - 10 feet	
Northern White Cedar		5	Seedling	7		Black Spruce		Low	5 - 10 feet	
Tamarack		20	Seedling	8						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
27	6122 - Black Spruce	Poletimber Medium	17.5	112	51-80	N/A	JB- Stand is starting to fall down. Should be harvested. Cedar is scattered and should not be cut. No deer sign. OPIC - FMD: SCA = winter deer yard. Stand condition is "7" - two aged. Stand density is very variable. Open areas and very thick pockets throughout. Spruce in overstory is mature. Some blowdown and mortality. Entire area is more open than it was on the 1953 and 1964 photos. Stands are showing decline in the overstory with thick regeneration in the open areas. Understory is very thick and established in many parts of these stands. Carbondale, Lupton and Tawas mucks.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling	7		Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	10	Sapling	6		Black Spruce	Low		5 - 10 feet	5 - 10 feet
Black Spruce	60		8	112					
Tamarack	20		8						
28	6122 - Black Spruce	Sapling Well	16.4	83	1-50	N/A	JB- area is open or with small sapling size trees. Similar to stand 13 but with less pockets of merchantable timber. Spruce and tamarack that is merchantable is over mature and falling down. OPIC - FMD: Mainly spruce with some balsam and tamarack. Pockets of merchantable spruce and tamarack. Compared to the 1953 and 1964 photos, these areas are expanding due to decline in the mature spruce. Open areas throughout stand of more of an S1/S2. Some red maple and cedar regeneration. Carbondale, Lupton and Tawas mucks.		
Canopy Species	% Cover	Size Class	DBH	Age					
Northern White Cedar	5	Pole	4						
Tamarack	10	Pole	4						
Paper Birch	10	Log	3						
Black Spruce	60	Log	3	83					
Red Maple	10	Log	3						
Balsam Fir	5	Log	2						
29	6122 - Black Spruce	Poletimber Well	51.8	112	51-80	N/A	JB- More open than stand 36 but nice. Stand needs TMT. There is more Tamarack on the edges. More of the understory spp present in the blow down areas. OPIC - FMD: Nice dense black spruce stand. Healthy. Scattered tamarack throughout stand. Blowdown along edges of the stand. Plot data is from stands 24, 29, and 36. Access could be a problem due to wet ground to go through to get to the stand. Possible via old ice road on a good winter. Possible to harvest with stands 29, 36, and 35. Much of the area appears to be dying out when compared to the 1953 and 1964 photos. If access is possible, manage these stands before they decline. Carbondale, Lupton and Tawas mucks.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	55		8	112	Black Spruce	Low		10 - 20 feet	10 - 20 feet
Tamarack	45		9	112	Tamarack	Low		10 - 20 feet	10 - 20 feet
					Red Maple	Low		10 - 20 feet	10 - 20 feet
					Balsam Fir	Low	10 - 20 feet	10 - 20 feet	
30	6122 - Black Spruce	Sapling Poor	7.4	83	1-50	N/A	JB- Higher water table than surrounding stands will keep this poor quality. No deer in the area. OPIC - FMD: Mainly spruce with some balsam and tamarack. Pockets of merchantable spruce and tamarack. Compared to the 1953 and 1964 photos, these areas are expanding due to decline in the mature spruce. Open areas throughout stand of more of an S1/S2. Some red maple and cedar regeneration. Carbondale, Lupton and Tawas mucks.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	80	Sapling	6	83	Northern White Cedar	Trace		5 - 10 feet	5 - 10 feet
Tamarack	10	Sapling	5		Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	10	Sapling	5		Black Spruce	Low		5 - 10 feet	5 - 10 feet
					Balsam Fir	Low		5 - 10 feet	5 - 10 feet
					Red Maple	Low		10 - 20 feet	10 - 20 feet
								10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.	

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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																						
31	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	86.6	108	81-110	N/A	JB- maybe two aged having been picked through before. Regeneration is okay in some areas. There are areas where it is more heavily stocked. Would not be able to harvest with out cutting cedar. OPIC - FMD: SCA - winter deer yard. Stand is mainly cedar with some spruce and tamarack throughout. Areas with smaller diameters and lower basal area, thicker understory. Stand has a lot of variability in heights and basal area throughout. Carbondale, Lupton and Tawas mucks.																																																						
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32	6120 - Lowland Cedar	Poletimber Well	8.7	135	111-140	N/A	JB- nice stand by river, no deer sign. OPIC - FMD: SCA - winter deer yard. Large diameter cedar. Very scenic stand (south end). Migration trail following the river. Stand is mature and healthy. Carbondale, Lupton and Tawas mucks.																																																						
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33	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	34.1	100	111-140	N/A	JB-edges have more cedar and could be easily harvested around. No deer in the area. OPIC - FMD: SCA - winter deer yard. Small diameter white birch with a real mix of species (balsam, cedar, red maple an spruce). Slightly higher ground than surrounding cedar stands. Balsam and spruce understory. Access could be a problem for harvesting this stand. Old ice road through stand 34 would be access route. Carbondale, Lupton and Tawas muck soils.																																																						
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34	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	98.4	108	51-80	N/A	JB- some areas very dense, others very small diameters with a thick fir understory. If going through stand to treat stands to the north very little cedar would need to be cut. Old ice roads could easily be used for access. No deer sign. No browse on regeneration in the open areas. OPIC - FMD: SCA - winter deer yard. Cedar of some quality. South portion has smaller diameters. Northern portion has higher basal area and areas of larger diameters. Lots of variability in the stand. Carbondale, Lupton and Tawas muck soil. Old ice road north and south through stand. Cultural work needed = wildlife division will plant cedar on the access road/route (old ice road) to the sale area following the harvest of prescribed stands north of M-28. The access route runs through this stand. Treatment period for harvest of this stand is "9" with no plans of harvest.																																																						
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
35	6121 - Tamarack	Sawtimber Well	4.0	112	111-140	N/A	<p>JB- Tamarack and cedar same age. Should be treated before the tamarack dies out. There are a couple trees with the larch beetle. Old ice road is present. A minimal amount of cedar would have to be removed for harvesting. OPIC - FMD: SCA - winter deer yard. Large diameter tamarack over cedar. Tamarack is mature. Harvest only if we harvest with spruce stands to the east due to small acreage. Access is questionable due to wet ground and driveway needed off of M-28. Carbondale, Lupton and Tawas mucks. Cultural work needed = wildlife division will plant cedar on the access road/route used for the harvest of the stands north of M-28 once the harvest is complete.</p> <p>10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Northern White Cedar		45		10	112	Balsam Fir		Low	5 - 10 feet	5 - 10 feet
Black Spruce		5	Seedling	8						
Tamarack		50		12	112					
36	6122 - Black Spruce	Poletimber Well	21.5	112	111-140	N/A	<p>JB- nice stand and should be harvested before it starts to die out. No cut cedar. More diversity on the edges. No deer sign. OPIC - FMD: SCA - winter deer yard. Nice dense black spruce stand. Healthy. Scattered tamarack throughout stand. Blowdown along edges of the stand. Plot data is from stands 24, 29, and 36. Access could be a problem due to wet ground to go through to get to the stand. Possible via old ice road on a good winter. Possible to harvest with stands 29, 36, and 35. Much of the area appears to be dying out when compared to the 1953 and 1964 photos. If access is possible, manage these stands before they decline. Carbondale, Lupton and Tawas mucks. Cultural work needed = wildlife division will plant cedar on the access road/route (old ice road) used for the harvest of stands north of M-28 once the harvest is complete.</p> <p>10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Tamarack		5		9		Tag Alder		Low	5 - 10 feet	5 - 10 feet
Black Spruce		90		9	112	Black Spruce		Low	5 - 10 feet	5 - 10 feet
Red Maple		5	Seedling	7						
37	6118 - Lowland Deciduous with Cedar	Poletimber Well	25.4	102	51-80	N/A	<p>JB- No deer present or browse. Red maple and birch are over mature and should be harvested. Open enough that treatment could be done without cutting cedar. OPIC - FMD: SCA - winter deer yard. Poor quality red maple, white birch, smaller diameter cedar and occasional spruce. Northern portion of stand is more red maple and white birch, Middle of the stand is small diameter cedar and southern portion is low quality maple over cedar. Lots of variability to the stand. Good cedar component throughout. Carbondale, Lupton and Tawas mucks.</p> <p>10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.</p>			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Black Spruce		10	Sapling	6		Tag Alder		Low	5 - 10 feet	5 - 10 feet
Paper Birch		20		8		Balsam Fir		Medium	5 - 10 feet	5 - 10 feet
Red Maple		20		11	102	Bog Birch		Low	5 - 10 feet	5 - 10 feet
Balsam Fir		10	Sapling	5						
Northern White Cedar		20		8						
Black Ash		20	Log	3						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
38	6139 - Mixed Lowland Forest	Sapling Well	17.2	38	51-80	N/A	JB-The spp mix under the old red maple (10-20 BA)will be the stand to manage. No deer present in the stand. OPIC - FMD: SCA - winter deer yard. Stand was typed as E5 last entry year. Overstory is mostly dead standing red maple. Dominant stand in the understory which is a mix of red maple, black ash, white birch, balsam, spruce and tag alder. Low ground. Pickford silt loam. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.	
Canopy Species		% Cover	Size Class	DBH	Age			
Paper Birch		20	Log	4				
Northern White Cedar		15		4				
Balsam Fir		15	Log	3				
Red Maple		10		9				
Black Ash		25	Log	4	38			
Black Spruce		15	Log	3				
39	4130 - Aspen	Sapling Well	27.6	13	Immature	N/A	JB- Regeneration looks good. Should have more conifer under the snow. OPIC - FMD: SCA - winter deer yard. Mature aspen, some decay and rot showing. Open areas mixed in with clones of aspen. Northern portion has smaller aspen with poor quality red maple. Patches of balsam. Will need a permit for driveway from MDOT - could be a limiting factor. Rudyard silt loam.Stand harvested as sale #42-017-07-12 (M-28 Aspen). Completed 03/09/2012. Regeneration check needed in 2016.Regen 2016: Aspen regen is coming in well, though there are a few wet patches that are open.10/24 No management this year of entry due to markets and ongoing sale in compartment.	
Canopy Species		% Cover	Size Class	DBH	Age			
Northern White Cedar		5	Seedling	7				
Balsam Fir		10	Log	1				
Quaking Aspen		25	Log	1				
Red Maple		10	Log	4				
Balsam Poplar		5	Log	1				
Bigtooth Aspen		35	Log	1	13			
Paper Birch		10	Log	1				
40	4134 - Aspen, Spruce/Fir	Poletimber Well	14.7	51	Unspecified	N/A	JB- There is also elm and tag alder intermixed. No deer sign in the area. Stump sprouts have littelle to no browse. OPIC - FMD: SCA - winter deer yard. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.	
Canopy Species		% Cover	Size Class	DBH	Age			
White Spruce		5	Seedling	7				
Balsam Fir		10	Seedling	6				
Black Ash		5	Sapling	6				
Paper Birch		10	Pole	4	51			
Bigtooth Aspen		20	Sapling	5				
Balsam Poplar		5	Sapling	7				
Black Spruce		5	Sapling	7				
Red Maple		15	Sapling	5				
Quaking Aspen		25	Sapling	5	51			
41	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Medium	14.2	103	51-80	N/A		JB- areas of open where regeneration is coming. No deer sign present. It would be good to treat the edges of the stand especially around the other timber types to keep spp diversity. The old skid road off the power line would make for good access.OPIC - FMD: SCA - winter deer yard. Stand has open areas with birch, maple and balsam regeneration. Tag Alder is also present in the understory. Carbondale, Lupton and Tawas mucks.10/24: No management this year of entry due to markets and ongoing sale in compartment.
Canopy Species		% Cover	Size Class	DBH	Age			
Red Maple		15	Sapling	5				
Black Spruce		30		10				
Paper Birch		5	Sapling	7				
Northern White Cedar		5	Sapling	7				
Balsam Fir		10	Sapling	6				

Stand	Level 4 Cover Type	Size	Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
42	42330 - Upland Fir	Poletimber	Well	3.8	51	Unspecified	N/A	JB- no deer in the area. The trees are starting to hit pulp size with 10-20 BA on average. OPIC - FMD: SCA = winter deer yard. Young stand. Mix of balsam, white birch, spruce, red maple, and some black ash regeneration. Some dead red maple and balsam. Pickford silt loam.10/24: No management this year of entry due to markets and ongoing sale in compartment.																																								
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43	6123 - Lowland Fir	Sapling	Well	11.1	51	1-50	N/A	JB- Healthy stand. Found a couple XL white pine. If stands to the north are harvested there would be no need to plant cedar - it has been filling in on it's own. OPIC - FMD: SCA = winter deer yard. Young stand. Balsam with white birch, black ash and some tag alder. Some residual overstory that has died out. Pickford silt loam. Cultural work needed = wildlife division will plant cedar on the access road/route (old ice road) following harvest of the stands north of M-28. This route runs through this stand. Treatment period for harvest is "3".10/24 :No management this year of entry due to markets and ongoing sale in compartment.																																								
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44	6139 - Mixed Lowland Forest	Poletimber	Well	3.5	51	Unspecified	N/A	OPIC - FMD: SCA - winter deer yard. Balsam with white birch, black ash and some tag alder. Some residual overstory that has died out. Pickford silt loam. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																								
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45	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber	Medium	5.8	108	1-50	N/A	JB- Lower ground than hardwood to the north, more open of a canopy. Natural regen is occurring. OPIC - FMD: SCA - winter deer yard. Red maple with black ash and cedar. Dead trees throughout. Lower quality. Thick understory of F3/M3. Pickford silt loam. Cultural work needed, wildlife division will plant cedar on the access road/route (old ice road) to the sale area following harvest of the stands north of M-28. The access route runs through this stand. Treatment period for harvest of this stand is "1". 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. None of the above management ever occurred.																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																											
50	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	15.4	108	1-50	N/A	JB- Semi open stand. Higher water table than surrounding stands. Blow down is prevalent through the stand. In more open areas cedar regeneration is 3-7' tall. OPIC - FMD: SCA - winter deer yard. Mainly cedar with white birch. Carbondale, Lupton and Tawas mucks.																																											
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51	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	24.4	103	81-110	N/A	JB -3/15, Edges have more cedar, some areas with lower BA. Areas with higher cedar BA could be the retention areas. OPIC - FMD: SCA - winter deer yard. Two aged stand. Small diameter white birch, aspen and red maple. Large white pine and spruce. Pockets of pure cedar. Some mortality in aspen and birch. Open areas within stand with advanced regeneration. Lots of species variability within the stand. Carbondale, Lupton and Tawas muck soils.																																											
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52	622 - Lowland Shrub	None	39.3		Unspecified	No	OPIC - FMD: Lowland brush corridor along the river																																											
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53	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	11.5	59	1-50	N/A	JB- 3/15, The edges of the stand have the larger diameter timber, the center of the stand is still fairly open and small diameter. OPIC - FMD: SCA - winter deer yard. Small diameter white birch, poor quality, very wet. Evidence of old cut stumps. Understory of black ash, maple, birch and tag alder. Carbondale, Lupton and Tawas mucks.																																											
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54	6118 - Lowland Deciduous with Cedar	Sapling Well	7.1	13	1-50	N/A	JB- nice regeneration - no deer sign. OPIC - FMD: SCA - winter deer yard. Black ash, tag alder and some aspen. Carbondale, Lupton and Tawas muck soils.																																											
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55	6139 - Mixed Lowland Forest	Poletimber	Poor	7.3	47	1-50	N/A	JB-3/2015, some old cedar stumps scattered on the edges. Probably won't be a manageable stand because of the high water. OPIC - FMD: SCA - winter deer yard. Black ash, tag alder and some aspen. Carbondale, Lupton and Tawas muck soils.																																																
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Alder	Medium	10 - 20 feet	10 - 20 feet																																																					
56	4130 - Aspen	Sapling	Medium	9.4	13	Immature	N/A	JB-Stand regenerating well. There are a couple good pockets of cedar retention areas. There should be more conifer coming up under the snow. OPIC - FMD: SCA - winter deer yard. Stand has a lot of species variability. Areas of primarily aspen, others of dense cedar. Real mix of species within the stand (red maple, white birch, spruce, aspen and cedar). Aspen is mature and starting to decline in quality. Blowdown in some cedar areas. Deer browsing on maple saplings. Stand is scheduled for harvest. Leave pockets of dense cedar. Set up for sale with stands 54, 57, 39 and 41. Access/driveway from M-28 will need to be permitted (new drive) from MDOT. Pickford silt loam soil.																																																
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57	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber	Well	15.7	113	51-80	N/A	JB- All spp healthy, all seem to be a different age. Cedar will become the dominate tree. Would be good to treat the area outside of the RMZ if PVT line could be found. OPIC - FMD: SCA - winter deer yard. Mixed stand of cedar with red maple, white birch, spruce, white pine and balsam. Poor quality in the maple, mortality in the white birch. Cedar and spruce are healthy. No access to this stand. Wet ground surrounds stand. Carbondale, Lupton and Tawas mucks.																																																
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58	3102 - Grass	None		7.1			No	OPIC - FMD: SCA = winter deer yard area. Stand condition is "5". Cloverland Electric Powerline Right-of-Way. Young maple, aspen, balsam white birch. Pickford silt loam.																																																
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59	122 - Road/Parking Lot	None	4.8			No	OPIC - FMD: M-28 and the right-of-way10/24 : m-28 still exists.																																											
60	6139 - Mixed Lowland Forest	Poletimber Well	16.7	83	141-170	N/A	JB- Trace mature tamarack especially by the river. Needs treatment to keep species diversity. No deer present. OPIC - FMD: SCA - winter deer yard. Mixed stand of cedar and white birch with some maple and balsam. Areas with large diameter cedar, pockets of solid white birch. Heavy deer browsing where red maple regeneration is found. Carbondale. Lupton and Tawas mucks. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																											
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61	6120 - Lowland Cedar	Sawtimber Well	43.2	135	111-140	N/A	JB- areas of open where regeneration is coming in including cedar 1-2" dbh. No deer sign present. It would be good to treat the edges of the stand especially around the other timber types to keep spp diversity. OPIC - FMD: SCA - winter deer yard. Stand has open areas with birch, maple and balsam regeneration. Areas of thick cedar have very little understory. Pockets of large diameter cedar (12-14 inch dbh). Large spruce throughout the stand. One 2-3 acre patch of spruce and tamarack along the Sage River. Carbondale, Lupton and Tawas mucks. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																											
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62	6120 - Lowland Cedar	Poletimber Well	65.5	115	111-140	N/A	JB- Nice quality. Should treat some of the areas for age class diversity, those areas on edge near non cedar typed stands. No deer present. OPIC - FMD: SCA - winter deer yard. Nice thick, dense cedar stand. Good thermal cover characteristics. Areas with lage diameter cedar mixed in. Well established C3 understory (25 ft tall). Carbondale, Lupton and Tawas mucks. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																											
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63	6120 - Lowland Cedar	Poletimber Well	8.2	53	Unspecified	N/A	JB- Good cedar especially on the edges. Red maple in the over story starting to die out. OPIC - FMD: SCA - winter deer yard. Red maple, black ash, tag alder and some balsam and spruce. Wet. Stand was created by a timber trespass from the adjacent private property. Pickford silt loam. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																											
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64	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	6.0	93	141-170	N/A	JB- Cut stand and move treatment outside of stand boundary to expand the aspen component. OPIC - FMD: SCA - winter deer yard. Large diameter balsam poplar over cedar. Very poor quality in the balsam poplar. High basal area of cedar makes it difficult to treat this stand without cutting cedar. Carbondale, Lupton and Tawas muck soils.																																					
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65	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	9.0	89	81-110	N/A	JB- Would be nice to treat before the trees start to fall down. Most of the conifer are near the edges of the stand. red maple is older than the birch. OPIC - FMD: SCA - winter deer yard. Small diameter white birch, large diameter cedar, some spruce and red maple. Poor quality in red maple and white birch. Good maple and birch regeneration in most areas where it is open. No real access to this stand due to low ground cedar stands adjacent. Carbondale, Lupton and Tawas mucks.																																					
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66	622 - Lowland Shrub	None	14.9			No	THE DITCH!OPIC - FMD: Lowland brush corridor along the river10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. 10/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																					
67	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	12.5	104	51-80	N/A	Sub stand of poor quality deciduous near river floodplain. JB- BA lower due to higher water table. There is probably feeder drains coming from the river causing the slow growth and poorer quality. OPIC - FMD: OI Stand Year Origin was 192110/24 Remote call, retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment.																																					
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68	6122 - Black Spruce	Poletimber Medium	20.4	113	81-110	N/A	JB- spruce is starting to die out, cedar is of poor quality. Fir is in pockets in the more open areas/ Cedar is also in pockets and will make harvesting around it easier. No deer present. OPIC - FMD: SCA - winter deer yard. Areas in stand with blowdown and mortality. Thick F3 understory in open areas. Tall black spruce. Eastern portion of the stand has more cedar mixed in. Stand appears to have grown very slow for 20-25 years. Access would be through private land to the northeast. Harvest this stand along with stand 75 as one sale due to access through private. Pickford silt loam.																																					
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69	6120 - Lowland Cedar	Poletimber Well	11.9	89	Unspecified	N/A	JB- good cedar area. can easily be avoided when harvesting adjacent stand. One deer trail on south end of stand. OPIC - FMD: SCA - winter deer yard																																											
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70	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	17.4	103	51-80	N/A	JB- Mortality in the stand. Harvest to keep diversity. No cut oak or cedar. One deer trail. OPIC - FMD: SCA - winter deer yard. Wet stand. Cedar with spruce and red maple. Open in many areas with thicker understory. Some mortality and blowdown. Dorval muck soil.																																											
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71	622 - Lowland Shrub	None	20.6			No	JB- seasonal drain area. OPIC - FMD: SCA - winter deer yard. Tag alder. Occasional cedar or spruce. Old railroad grade (old road) through the stand. Pickford silt loam soil.																																											
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73	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	42.9	83	51-80	N/A	JB- Some areas have good BA but there are many areas of small dbh and low BA. Stand is wet and has drains around the pockets of higher ground. Old stumps, stand was probably picked through long ago and the cedar remaining is what was not harvested. No deer sign. OPIC - FMD: SCA - winter deer yard. Wetter ground. Cedar, aspen, maple and spruce. Small drainage flowing through the stand into the Sage River. Tag alder understory. Some balsam and maple also in the understory. Pickford silt loam soil.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																											
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74	6120 - Lowland Cedar	Poletimber Well	12.6	103	1-50	N/A	JB 3/11/015: less spp diversity than stand 85. Hardwood declining, the understory or fir and cedar will become the stand later. OPIC - FMD: SCA - winter deeryard. Overmature red maple. Dead tops. Some black ash. Poor quality overstory. Understory is healthy and established. Manage for the understory. Check in 30 years. Pickford silt loam soil.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
75	6122 - Black Spruce	Sawtimber Well	28.7	105	81-110	N/A	Spruce is starting to decline. There is potential to access stand from the Borgstrom Rd and through the grass stand. Not a all cedar would have to be harvested most of it is found in clumps. JB 3/11/15 OPIC - FMD: SCA - winter deer yard. Nice tall spruce with a high component of cedar throughout the entire stand. Pockets where cedar basal area is higher than spruce. Open understory. Access to the stand would have to be through the private property to the north. Harvest with stand 68 if we gain access. Will need to harvest the cedar within the stand for maneuverability concerns. Pickford silt loams. 10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	75		10	105	Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	5	Sapling	7						
Northern White Cedar	15		10	105					
Paper Birch	5	Seedling	7						
76	6124 - Lowland Spruce-Fir	Poletimber Medium	26.5	108	51-80	N/A	JB- Spruce older than the other spp, there is also immature spruce, balsam fir and cedar. OPIC - FMD: SCA - winter deer yard. Pockets of more dense cedar. Open areas with tag alder and scattered cedar. White birch and black spruce scattered throughout. Some blowdown cedar. Wet stand. Pickford silt loam. 10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Black Spruce	40		10	108	Red Maple	Low		10 - 20 feet	10 - 20 feet
Northern White Cedar	40	Sapling	7	108	Tag Alder	Low		10 - 20 feet	10 - 20 feet
Red Maple	10	Sapling	6		Balsam Fir	Low		10 - 20 feet	10 - 20 feet
Balsam Fir	10	Sapling	6						
77	4139 - Aspen, Mixed Deciduous	Poletimber Medium	9.8	73	51-80	N/A	JB- Poor quality, a harvest would help to get better regeneration back. BA is on the lower end of the range. No cut oak or cedar. OPIC - FMD: SCA - winter deer yard. Semi open stand. Aspen, spruce and maple along the edges. A4/A5 on east end and M5/M4 on the west. Some cedar mixed in. Pickford silt loam soil. 10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	55		8	73	Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Quaking Aspen	40	Seedling	8	73	Balsam Fir	Low		5 - 10 feet	5 - 10 feet
Black Spruce	5	Sapling	7		Black Spruce	Low		5 - 10 feet	5 - 10 feet
					Bog Birch	Low		5 - 10 feet	5 - 10 feet
79	4130 - Aspen	Sapling Well	8.1	38	1-50	N/A	OPIC - FMD: SCA = winter deer yard area. No real yarding benefits in this stand. Stand runs along the west side of Co Rd 393, 2-3 chains wide. Pockets of A4/A3. Stand was harvested in 1987. 10/24 Retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Found swamp white oaks! Aspen is still young but coming back nicely.		
Canopy Species	% Cover	Size Class	DBH	Age					
Yellow Birch	5	Sapling	6						
Paper Birch	5	Pole	4						
Black Spruce	5	Log	4						
Swamp White Oak	5		10						
Black Ash	5	Log	4						
Quaking Aspen	60	Pole	4	38					
Bur Oak	5		10						
Balsam Fir	10	Log	4						
80	6113 - Lowland Maple	Poletimber Poor	14.5	83	1-50	N/A	JB- poor quality - open grown. OPIC - FMD: SCA - wintere deer yard. Mix of red maple, white birch, some balsam and tag alder regeneration. Around the same age as stand 79 (A3) which was harvested in 1987. No sale maps showing exact sale boundaries. Pickford silt loam soil. 10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	65		8	83	Tag Alder	Medium		5 - 10 feet	5 - 10 feet
Black Spruce	5	Pole	4						
Balsam Fir	15	Pole	4						
Black Ash	15	Sapling	6						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
81	4319 - Mixed Upland Forest	Poletimber Medium	4.5	38	1-50	N/A	JB- Old white pine stumps in an open grown stand. OPIC - FMD: SCA = winter deer yard. Nice regeneration of balsam, red maple, black ash and spruce. Records of old cut along Co Rd 393 in 1987. Best estimate of when this was harvested. Pickford silt loam.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Yellow Birch	5	Sapling	6		Nannyberry	Low		5 - 10 feet	5 - 10 feet
Balsam Fir	50	Sapling	6	38					
Red Maple	20	Sapling	6						
Paper Birch	10	Sapling	5						
Black Ash	10	Sapling	5						
Black Spruce	5	Sapling	6						
82	4319 - Mixed Upland Forest	Poletimber Well	20.0	102	51-80	N/A	JB- More of a two aged stand. OPIC - FMD: SCA - winter deer yard. Poor quality red maple with a real mix of other species (cedar, spruce, etc.). Scattered white birch. Numerous pockets of thick cedar. Open canopy areas have thick M3 understory of maple an ash. Good quality in the understory with overstory of poor quality. Check in 30 years. Pickford silt loam.Adjacent to active harvest, uncut. Leaving for next rotation. 10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
White Spruce	5	Seedling	8		Black Ash	Low		10 - 20 feet	10 - 20 feet
Black Spruce	15	Seedling	8		Red Maple	Low		10 - 20 feet	10 - 20 feet
Northern White Cedar	15	Seedling	8		Balsam Fir	Low		10 - 20 feet	10 - 20 feet
Paper Birch	5	Seedling	7						
Bur Oak	5		10						
Yellow Birch	5		12						
Red Maple	40		8	102					
Balsam Fir	10	Seedling	7						
83	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	31.5	107	111-140	N/A		JB- Variable stand, fair quality. There is enough cedar that to harvest some would need to be harvested. No deer sign. OPIC - FMD: SCA - winter deer yard. Stand is patchy with areas of both high and low basal areas. Not much quality. Good regeneration in open areas. Mixture of species but mainly cedar. Check overstory quality in 10 years. Pickford silt loam soil.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.	
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height		Size
Northern White Cedar	35	Seedling	8		Balsam Fir	Low	5 - 10 feet		5 - 10 feet
Quaking Aspen	5	Seedling	8		Tag Alder	Low	5 - 10 feet		5 - 10 feet
Red Maple	25	Seedling	8						
Black Spruce	35	Seedling	8	107					
86	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.1	75	51-80	N/A	OPIC - FMD: SCA - winter deer yard. Old notes (1996) state that budworm killed balsam overstory. Stand is now a mix of balsam, maple, ash, and spruce regeneration. Scattered maple with dead tops and poor quality. Pickford silt loam.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	35		14	75	Alder	Medium		5 - 10 feet	5 - 10 feet
Northern White Cedar	25	Seedling	8		Balsam Fir	Medium		5 - 10 feet	5 - 10 feet
Balsam Fir	20	Sapling	5	46	Black Ash	Trace		5 - 10 feet	5 - 10 feet
Black Spruce	20		14		Red Maple	Medium		10 - 20 feet	10 - 20 feet
87	6120 - Lowland Cedar	Poletimber Well	6.5	107	171-200	N/A	JB- More diversity on the edges. OPIC - FMD: SCA - winter deer yard. Nice, thick cedar. Dorval muck soil.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.		
Canopy Species	% Cover	Size Class	DBH	Age					
Northern White Cedar	70		9	107					
Red Maple	15		9						
Black Spruce	15	Seedling	9						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																				
88	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	7.2	103	51-80	N/A	JB 3/11/15- open stand with low BA. Maple is a good height, cedar appears stunted. Scattered oak of various dbh. OPIC - FMD: SCA - winter deer yard. Poor quality red maple. Dead tops, crooked boles. Better quality in the understory of mainly balsam. Check the status of the stand in 30 years once the understory has matured.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																																				
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89	622 - Lowland Shrub	None	18.1			No	OPIC - FMD: SCA - winter deer yard. Drainage flowing through stand into the Sage River. Pickford silt loam.10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																																				
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90	622 - Lowland Shrub	None	8.8			No	JB- Scattered trees and shrubs. Black spruce, bog birch, red maple and willow. OPIC - FMD: Lowland brush corridor along the river10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																																				
91	622 - Lowland Shrub	None	6.9			No	OPIC - FMD: Lowland brush corridor along the river10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																																				
478	3102 - Grass	None	1.5			No	OPIC - FMD: SCA = winter deer yard area. Small opening along the private property on the west side of Co Rd 393. 10/24 retained stand canopy and comments. No management this year of entry due to markets and ongoing sale in compartment. Giant mass of varying densities of fir, hummocks, swamp and despair.																																																				