



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42121

Entry Year 2017

Acreage: 2,097

County Luce

Management Area: Tahquamenon Basin Wetlands

Revision Date: 2015-09-01

Stand Examiner: Jennifer Burnham

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 unique plants and wildlife.

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 have a later start date 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.

Watershed and Fisheries Considerations:

Fisheries Values: Good

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. Downstream of M-28 the stream is classified as a warm transitional stream meaning good for warm water species such as Northern Pike, Muskellunge, and Walleye. Standard BMP's should apply when working near these waterbodies.

Wildlife Habitat Considerations:

Compartment 121 lies in the Seney Sand Lake Plain ecological sub-subsection and also within the historic Sage River Deer yard which supports high numbers of deer during stressful winter periods. The compartment lies within the Tahquamenon River Basin Wetlands Management Area and black bear, gray jay, snowshoe hare and white-tailed deer are featured species. 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.

Cedar and hemlock conifer canopies, or those stands containing high 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.

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 work for access again.

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 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:

None.

The following reports from the Inventory are attached:

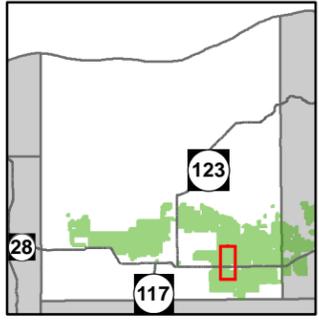
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

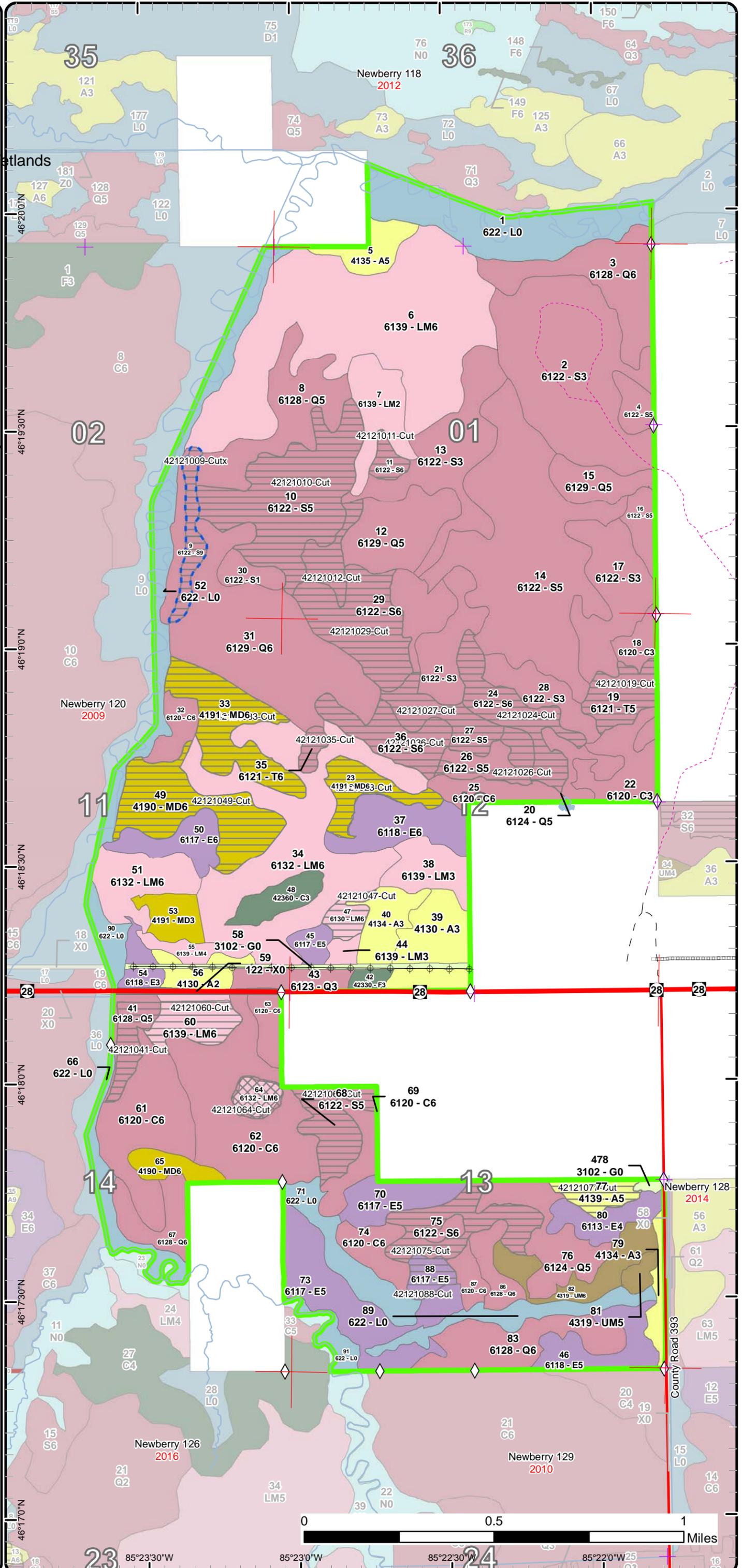
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 121
 T46N R09W, Sec. 36
 T45N R09W 01, 02, 11-14
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2017
 Acres: 2097 GIS Calculated
 Examiner: Jennifer Burnham
 Map Revised: 3/31/2016
 Map Phase: Post-Review

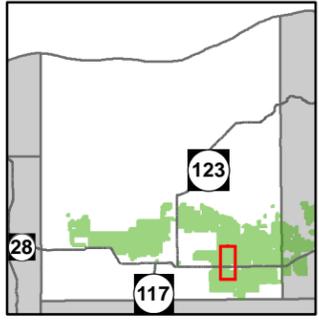


- Miris Corners
- Remonumented Section Corners
- Field Grade GPS Corners
- Highway
- County Paved Roads
- Poor Dirt Roads
- Trail (Non-Recreation)
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Treatments with Site Conditions (pd)
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Forest Covertype
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- Non-Forest Covertype
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- Lakes

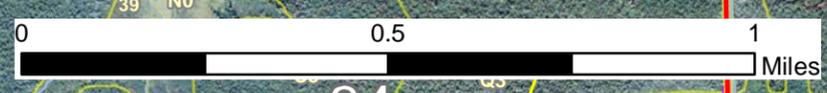
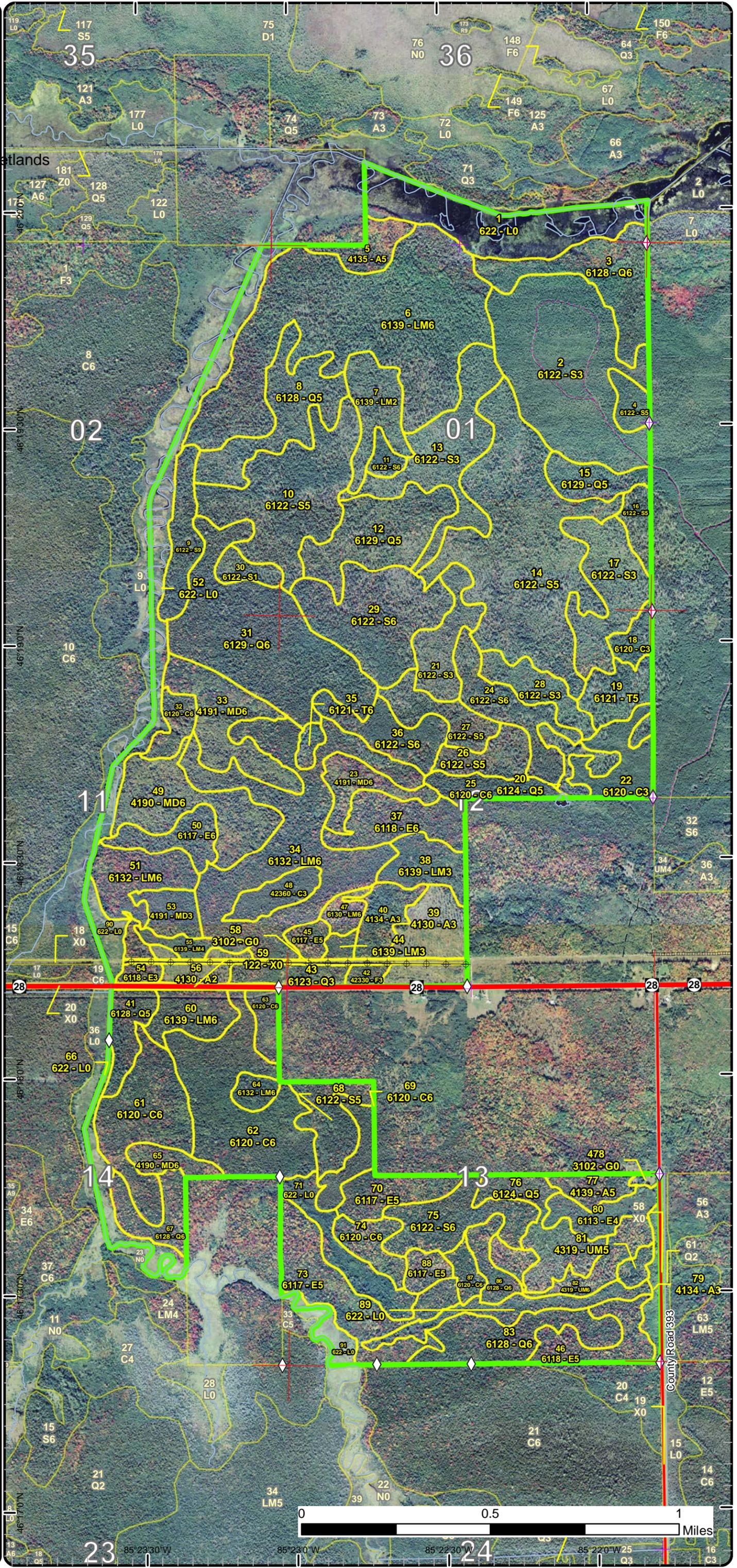


Stand Boundary Map

Compartment: 121
 T46N R09W, Sec. 36
 T45N R09W 01, 02, 11-14
 County: Luce
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2017
 Acres: 2097 GIS Calculated
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- Miris Corners
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- ◇ Field Grade GPS Corners
- Highway
- County Paved Roads
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- Trail (Non-Recreation)
- Rivers
- Pipeline
- Powerline
- Compartment Boundary
- Stand Boundaries
- 413 - Aspen
- 419 - Mixed Upland Deciduous
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- 430 - Upland Mixed Fores
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- 310 - Herbaceous Openland
- 622 - Lowland Shrub



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 121 Year of Entry 2017

Jennifer Burnham : 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+	Uneven-Aged	Total
Aspen	0	37	0	8	0	15	0	10	0	0	12	0	0	0	0	0	0	0	82
Cedar	0	0	0	0	0	8	0	0	40	12	32	66	0	53	0	0	0	0	211
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	11	0	10	0	37	198	82	0	0	0	0	0	0	338
Lowland Deciduous	0	7	0	0	0	0	0	0	57	0	91	0	0	0	0	0	0	0	155
Lowland Mixed Forest	0	0	0	169	7	3	0	0	17	28	129	0	0	0	0	0	0	0	353
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	120	95	0	0	0	140	0	29	243	0	0	0	0	0	0	627
Mixed Upland Deciduous	0	0	0	0	0	0	11	0	41	9	49	0	0	0	0	0	0	0	110
Tamarack	0	0	0	0	0	0	0	0	0	0	0	20	0	0	0	0	0	0	20
Upland Mixed Forest	0	0	0	5	0	0	0	0	0	0	20	0	0	0	0	0	0	0	25
Upland Spruce/Fir	0	0	0	0	0	4	0	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	44	0	302	102	41	11	20	295	86	560	411	0	53	0	0	0	0	2099



Report 2 – Treatment Summary

Newberry Mgt. Unit

Compartment 121

Year of Entry:

Acres of Harvest

Total Compartment Acres: 2,097

Commercial Harvest - 403
 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	Overstory Removal	Salvage	Other	Total Acres
Aspen	10	0	0	0	0	0	0	0	0	10
Lowland Conifers	21	0	0	0	0	0	0	0	0	21
Lowland Deciduous	7	0	0	0	0	0	0	0	0	7
Lowland Mixed Forest	21	7	0	0	0	0	0	0	0	28
Lowland Spruce/Fir	237	0	0	0	0	0	0	0	0	237
Mixed Upland Deciduous	90	0	0	0	0	0	0	0	0	90
Tamarack	20	0	0	0	0	0	0	0	0	20
Total	406	7	0	0	0	0	0	0	0	414

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	414	0	0	0	0	0	0	0	0	414
Next Step	0	0	0	0	0	0	414	0	0	414
Total	414	0	0	0	0	0	414	0	0	828



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
9	42121009-Cutx	10.5	6122 - Black Spruce	Sawtimber Well	106	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:** BMPs

Prescription No harvesting of cedar or hemlock (if present) and use a 200' buffer. Harvest will benefit wintering deer.

Specs:

Next Step

Treatments:

Acceptable Species that are present now.

Regen:

Other Harvest in frozen conditions Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

10	42121010-Cut	65.0	6122 - Black Spruce	Poletimber Medium	103	51-80	Harvest	Clearcut with Retention	6124 - Lowland Spruce-Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, leaving cedar and hemlock (if present), for the benefit of wintering deer.

Specs:

Next Step

Treatments:

Acceptable Species that are present now

Regen:

Other Harvest in frozen conditions. If able to treat may want to dip into the north part of stand 9. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

11	42121011-Cut	4.9	6122 - Black Spruce	Poletimber Well	103	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, leaving cedar and hemlock (if present).

Specs:

Next Step

Treatments:

Acceptable Species that are present now.

Regen:

Other Stand should be harvested with nearby stands due to small acreage. Winter cut. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

12	42121012-Cut	10.3	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	103	1-50	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest leaving cedar and hemlock. Access to stand 11 will be easier from this treatment. Only leaving cedar, and hemlock if present, to

Specs: allow for more sunlight for regeneration of other species.

Next Step

Treatments:

Acceptable Species that are present now.

Regen:

Other Harvest during frozen conditions. Stand is part of 12 but with more BA - harvest should occur before spruce falls out of the stand more. Old next step comments:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
19	42121019-Cut	16.2	6121 - Tamarack	Poletimber Medium	103	81-110	Harvest	Clearcut	6121 - Tamarack	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription No retention due to high mortality that has already occurred. There is also regeneration starting to come into the areas that are more open. More
Specs: BA in the north part of the stand. Tamarack has bug kill. Leave hemlock if present.

Next Step
Treatments:

Acceptable Species that are already present
Regen:

Other 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 the
Comment: adjacent private. Winter cut.
2/25/16 - Start date changed back to 10/1/16. Re-evaluated and decided to put stand up with other adjacent stands that are prescribed with a start date of 10/1/16. Nearby logging did not occur in winter of 14/15 and they would have to cross private land which would involve additional road building. Early start date not necessary. Old next step comments:

Proposed Start Date: 10/01/2016

23	42121023-Cut	15.2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	93	81-110	Harvest	Clearcut with Retention	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest while trees are still healthy. No harvest cedar or hemlock (if present). Harvest will benefit wintering deer.
Specs:

Next Step
Treatments:

Acceptable Species that are already present
Regen:

Other Cut during frozen conditions due to access. Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

24	42121024-Cut	25.9	6122 - Black Spruce	Poletimber Well	103	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription 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
Specs: source. Harvest will benefit wintering deer.

Next Step
Treatments:

Acceptable Species that are already present
Regen:

Other Edges have the better merchantable timber. Harvest in frozen conditions. Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

26	42121026-Cut	9.1	6122 - Black Spruce	Poletimber Medium	74	1-50	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest with no cut cedar or hemlock (if present). Harvest during frozen condition. Harvest will benefit snowshoe hare.
Specs:

Next Step
Treatments:

Acceptable Species that are present now.
Regen:

Other Edges have the best merchantability, middle section can be left for seed source and retention. Winter cut. Old next step comments:
Comment:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
27	42121027-Cut	17.5	6122 - Black Spruce	Poletimber Medium	103	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription Final harvest, no cutting of cedar or hemlock (if present). Harvest in frozen conditions. Harvest will benefit snowshoe hare.

Specs:

Next Step

Treatments:

Acceptable Species that are present now.

Regen:

Other Mortality hitting stand, harvest before trees are on the ground and the seed source is gone. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

29	42121029-Cut	37.1	6122 - Black Spruce	Poletimber Well	103	51-80	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, no cutting of cedar, white pine (Trace amount) or hemlock (if present). Leave some patches of wind firm spruce/tamarack for a

Specs: seed source. Harvest in frozen conditions.

Next Step

Treatments:

Acceptable Species that are already present.

Regen:

Other 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

Comment: lost. Old next step comments:

Proposed Start Date: 10/01/2016

33	42121033-Cut	34.1	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	91	111-140	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, no cutting of cedar or hemlock (if present). Stand should be harvested in frozen conditions. Harvest will benefit wintering deer.

Specs:

Next Step

Treatments:

Acceptable Species that are already present.

Regen:

Other Cedar is mainly in clumps and will make good retention areas. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016

35	42121035-Cut	4.0	6121 - Tamarack	Poletimber Well	103	111-140	Harvest	Clearcut with Retention	6121 - Tamarack	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, no cutting of cedar or hemlock (if present). Cedar is in patches so harvesting of other species should not be a problem.

Specs:

Next Step

Treatments:

Acceptable Species that are present.

Regen:

Other Harvest in frozen conditions. Old next step comments:

Comment:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
36	42121036-Cut	21.5	6122 - Black Spruce	Poletimber Well	103	111-140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription 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.
Specs:

Next Step
Treatments:

Acceptable Species that are present.
Regen:

Other Harvest in frozen conditions. Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

41	42121041-Cut	10.8	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	94	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, not cutting of cedar or hemlock (if present). Harvest will benefit wintering deer. Maintain 100' buffer along creek.
Specs:

Next Step
Treatments:

Acceptable Species that are present
Regen:

Other Harvest in frozen conditions. Later start date will help spread out the food resources for wintering deer and not draw deer across the highway with
Comment: simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024

47	42121047-Cut	6.5	6130 - Fir, Aspen, Maple	Poletimber Well	99	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription 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 moose. Harvest will benefit wintering deer.
Specs:

Next Step
Treatments:

Acceptable Species that are present
Regen:

Other Harvest on frozen ground. Old next step comments:
Comment:

Proposed Start Date: 10/01/2016

49	42121049-Cut	40.5	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	74	51-80	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest leaving retention pockets around cedar areas. No harvesting of cedar or hemlock (if present). Harvest will benefit wintering deer.
Specs:

Next Step
Treatments:

Acceptable Species that are present.
Regen:

Other Harvest in frozen conditions. Old next step comments:
Comment:

Proposed Start Date: 10/01/2016



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
60	42121060-Cut	14.5	6139 - Mixed Lowland Forest	Poletimber Well	74	141-170	Harvest	Clearcut with Retention	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No **Site Condition:**

Prescription Final harvest leaving cedar and hemlock (if present). Harvest will benefit wintering deer.

Specs:

Next Step
Treatments:

Acceptable Species that are present.
Regen:

Other Harvest in frozen conditions. Later start date will help spread out the food resources for wintering deer and not draw deer across the highway with
Comment: simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024

64	42121064-Cut	7.3	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	84	141-170	Harvest	Group Selection	613 - Lowland Mixed Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, work with WLD on amount of cedar that can be harvested. Move treatment out a chain into stand 62 to allow the bam, white birch
Specs: and spruce fill in. Harvest will benefit wintering deer.

Next Step
Treatments:

Acceptable Species that are present.
Regen:

Other Harvest in frozen conditions. Later start date will help spread out the food resources for wintering deer and not draw deer across the highway with
Comment: simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024

68	42121068-Cut	20.4	6122 - Black Spruce	Poletimber Medium	104	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest. Cedar is mainly grouped and that is where retention patches should be placed. There are a couple areas where cedar would need
Specs: to be harvested to remove the other species. Cedar is of poor quality. Do not cut hemlock if present.

Next Step
Treatments:

Acceptable Species that are present.
Regen:

Other There is evidence of cedar regeneration in and around the area. Harvest in frozen conditions. Later start date will help spread out the food
Comment: resources for wintering deer and not draw deer across the highway with simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024

75	42121075-Cut	25.6	6122 - Black Spruce	Poletimber Well	96	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
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Habitat Cut: No **Site Condition:**

Prescription Final harvest, no cutting of cedar, hemlock (if present) or white pine. 2" spec for better regeneration.
Specs:

Next Step
Treatments:

Acceptable Species that are present.
Regen:

Other Harvest in frozen conditions. Later start date will help spread out the food resources for wintering deer and not draw deer across the highway with
Comment: simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
77 42121077-Cut	9.8	4139 - Aspen, Mixed Deciduous	Poletimber Medium	64	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Final harvest to promote better regeneration of the aspen. Do not cut Oak or cedar or hemlock (if present). Only leaving cedar, hemlock (if present) and oak to allow for more sunlight for regeneration of other species.

Next Step Treatments:

Acceptable Regen: Species that are present now.

Other Comment: Poor quality stand, treatment will help to get a better quality stand back. Winter cut. Later start date will help spread out the food resources for wintering deer and not draw deer across the highway with simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024

88 42121088-Cut	7.2	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	94	51-80	Harvest	Clearcut with Retention	611 - Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Final harvest, no cutting of cedar, hemlock (if present) and oak. 2" spec to allow for better regeneration.

Next Step Treatments:

Acceptable Regen: Species that are present.

Other Comment: Harvest in frozen conditions. Later start date will help spread out the food resources for wintering deer and not draw deer across the highway with simultaneous harvests. Old next step comments:

Proposed Start Date: 10/01/2024

Total Treatment Acreage Proposed: 413.8

Report 5 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 121
Year of Entry: 2017

Availability for Management

Total Acres	Acres Available	Acres Avail			Dominant Site Conditions							
		With Condition	Not Available		5B	5C	5F	3H	3J	3L	5E	
82	70	12	0	Aspen	12							
210	210	0	0	Cedar								
9	9	0	0	Herbaceous Openland								
337	43	179	115	Lowland Conifers	93	87		58	56			1
155	29	84	43	Lowland Deciduous	15	26	43	43				
354	330	22	2	Lowland Mixed Forest	22							2
160	160	0	0	Lowland Shrub								
627	566	52	9	Lowland Spruce/Fir	52				9			
110	101	0	9	Mixed Upland Deciduous							9	
20	20	0	0	Tamarack								
25	5	20	0	Upland Mixed Forest			20					
4	4	0	0	Upland Spruce/Fir								
5	5	0	0	Urban								
2,097	1,550	369	178	Total Forested Acres	194	112	63	101	65	9		3
	74%	18%	8%	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)	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5B: Maintain for regeneration purposes	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
Over story has little BA, manage for understory coming in.							

Report 5 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 121
Year of Entry: 2017

3	Available	5B: Maintain for regeneration purposes	22	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Over story lost due to mortality, manage for understory							
4	Available	5B: Maintain for regeneration purposes	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Over story lost to mortality, manage for understory							
5	Available	5B: Maintain for regeneration purposes	11	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	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mature trees falling down. Merchantable more to the west. Leave this area to natural regeneration.							
9	Unavailable	3H: Deer Wintering Areas	25	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Save to harvest after adjacent stands are regenerated.							

Report 5 – Site Conditions

Newberry Mgt. Unit
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Compartment: 121
Year of Entry: 2017

10	Available	5B: Maintain for regeneration purposes	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Just about all tamarack and spruce are dead. Manage now for the regeneration.							
11	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Less BA than stand 12, manage for regeneration.							
12	Available	5B: Maintain for regeneration purposes	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Mature spruce is falling out of the stand. Manage for the spp that is coming in now.							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	87	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Stand is of fair quality, leave for diversity with the surrounding stands being treated.							
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.							

Report 5 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 121
Year of Entry: 2017

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	3J: Water quality / BMPs (stream, river, or lake)	16	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.							
18	Unavailable	3H: Deer Wintering Areas	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 Areas	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 Areas	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.							
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 5 – Site Conditions

Newberry Mgt. Unit
Jennifer Burnham : Examiner

Compartment: 121
Year of Entry: 2017

23	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
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	43	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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Comments



Report 7 – EXISTING SPECIAL CONSERVATION AREA DETAILS

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

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

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



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6122 - Black Spruce	Sapling Well	95.0	37	51-80	OPIC - FMD: Young spruce regeneration. Strip cuts done in 1970 and then the leave strips cut in 1979. Carbondale, Lupton and Tawas muck soils.
3	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	38.5	95	51-80	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
4	6122 - Black Spruce	Poletimber Medium	7.8	103	Unspecified	Mortality hit and blow down has occurred. The over story is being replaced by regeneration that will later become the dominate stand.
5	4135 - Aspen, Cedar	Poletimber Medium	12.1	96	1-50	JB- Stand is falling down. The understory will become the next stand. OPIC - FMD: OI Stand Year Origin was 1920
6	6139 - Mixed Lowland Forest	Poletimber Well	151.9	21	1-50	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.
7	6139 - Mixed Lowland Forest	Sapling Medium	22.0	84	1-50	JB- Stand 7 and 8 very similar with a bit more BA in 8 and less openings. Not much for merchantable wood, might be able to do some harvesting when treating adjacent stands. 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.
8	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	37.2	84	1-50	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.
9	6122 - Black Spruce	Sawtimber Well	18.9	106	81-110	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
10	6122 - Black Spruce	Poletimber Medium	65.0	103	51-80	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.
11	6122 - Black Spruce	Poletimber Well	4.9	103	51-80	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.
12	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	40.7	103	1-50	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.
13	6122 - Black Spruce	Sapling Well	45.2	74	1-50	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.
14	6122 - Black Spruce	Poletimber Medium	119.7	21	1-50	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.
15	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	14.3	103	1-50	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
16	6122 - Black Spruce	Poletimber Medium	8.9	103	51-80	JB- Stand acreage reduced and added to adjacent S3 due to mortality in the spruce and tamarack. Stand still in decline. Would be nice to treat. No deer sign. 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.
17	6122 - Black Spruce	Sapling Well	36.2	74	1-50	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.
18	6120 - Lowland Cedar	Sapling Well	7.5	78	1-50	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
19	6121 - Tamarack	Poletimber Medium	16.2	103	81-110	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.
20	6124 - Lowland Spruce- Fir	Poletimber Medium	11.1	103	1-50	JB- Pocket of lower ground and less BA than surrounding stands. Good seed source when harvesting adjacent stands. No deer present. OPIC - FMD: SCA = winter deer yard. Stand is mature. Nice dense black spruce stand. Healthy. JB- 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.
21	6122 - Black Spruce	Sapling Well	20.5	74	1-50	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.
22	6120 - Lowland Cedar	Sapling Well	20.6	78	1-50	JB- Starting to get merchantable sticks in all species. Branches still to the ground. More diversity along the edges and the more open areas. No deer present. OPIC - FMD: SCA - deer yard



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	15.2	93	81-110	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.
24	6122 - Black Spruce	Poletimber Well	25.9	103	81-110	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.
25	6120 - Lowland Cedar	Poletimber Well	12.9	94	81-110	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.
26	6122 - Black Spruce	Poletimber Medium	15.1	74	1-50	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".
27	6122 - Black Spruce	Poletimber Medium	17.5	103	51-80	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	6122 - Black Spruce	Sapling Well	16.4	74	1-50	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.
29	6122 - Black Spruce	Poletimber Well	51.8	103	51-80	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.
30	6122 - Black Spruce	Sapling Poor	7.4	74	1-50	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.
31	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	86.6	99	81-110	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.
32	6120 - Lowland Cedar	Poletimber Well	9.4	126	111-140	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.
33	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	34.1	91	111-140	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 and 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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
34	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	98.4	99	51-80	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.
35	6121 - Tamarack	Poletimber Well	4.0	103	111-140	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.
36	6122 - Black Spruce	Poletimber Well	21.5	103	111-140	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.
37	6118 - Lowland Deciduous with Cedar	Poletimber Well	25.4	93	51-80	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.
38	6139 - Mixed Lowland Forest	Sapling Well	17.2	29	Immature	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	4130 - Aspen	Sapling Well	27.6	4	Immature	<p>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.</p> <p>Stand harvested as sale #42-017-07-12 (M-28 Aspen). Completed 03/09/2012. Regeneration check needed in 2016.</p>
40	4134 - Aspen, Spruce/Fir	Sapling Well	14.7	42	Unspecified	<p>JB- There is also elm and tag alder intermixed. No deer sign in the area. Stump sprouts have little to no browse. OPIC - FMD: SCA - winter deer yard.</p>
41	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Medium	14.2	94	51-80	<p>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.</p>
42	42330 - Upland Fir	Sapling Well	3.8	42	Unspecified	<p>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.</p>
43	6123 - Lowland Fir	Sapling Well	11.1	42	1-50	<p>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".</p>
44	6139 - Mixed Lowland Forest	Sapling Well	3.5	42	Unspecified	<p>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.</p>
45	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	5.8	99	1-50	<p>JB- Lower grand than hardwood to the north, more open of a canopy. Would also be good to treat to keep the trace amount of aspen and white birch before it falls out of the stand. If road is used planting would not be necessary with lack of deer and nature regen that 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".</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	6118 - Lowland Deciduous with Cedar	Poletimber Medium	19.8	98	51-80	JB- Poor quality than adjacent stand. BA and quality decrease to the south. 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.
47	6130 - Fir, Aspen, Maple	Poletimber Well	6.5	99	51-80	JB - More of a M5 with fir coming in well for the understory. Trees are of poor quality and should be harvested 2" spec to promote a better stand. No cut cedar. OPIC - FMD: SCA - winter deer yard. Red maple with white birch. Lower quality, some double and triple stems. Short heights. Mostly an F3 understory. Pickford silt loam.
48	42360 - Upland Cedar	Sapling Well	11.7	78	Unspecified	JB- Young stand, looks healthy. No deer in the area. Mostly a sapling stand and just into the dbh with a merchantable stick. OPIC - FMD: SCA - winter deer yard. Cultural work needed = wildlife division will plant cedar on the access road/route (old ice road) for timber sale following harvest of the 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 for harvest.
49	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	40.5	74	51-80	JB- More blow down than in stand 51. Treatment would be good to get the spp regenerated. Bam has already fallen out of the stand, any standing won't make it another 10 years. White birch is starting to die out, it's dbh will not get better. Only browse is from rabbits. No deer present. OPIC - FMD: SCA - winter deer yard. Most of the white birch is healthy. Nice tall white birch. Pockets of large cedar throughout. Areas of blowdown. Patches of aspen. Red maple saplings have browsing. More of a conifer component in the eastern portion of the stand. Access off of M-28 via an old ice road is questionable. Would need the right winter weather. Wet ground. Recommend for harvest if access can be gained. Fish Division requests a 300 ft buffer from the water's edge (Sage River) - beaver management - per phone call with Jim Waybrant on 4/6/05. Carbondale, Lupton and Tawas muck.
50	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	15.4	99	1-50	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.
51	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	24.4	94	81-110	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.
53	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	11.5	50	1-50	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.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
54	6118 - Lowland Deciduous with Cedar	Sapling Well	7.1	4	1-50	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.
55	6139 - Mixed Lowland Forest	Poletimber Poor	7.3	38	1-50	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.
56	4130 - Aspen	Sapling Medium	9.4	4	Immature	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. Stand harvested as sale #42-017-07-12 (M-28 Aspen). Completed 03/09/2012. Regeneration check needed in 2016.
60	6139 - Mixed Lowland Forest	Poletimber Well	16.7	74	141-170	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.
61	6120 - Lowland Cedar	Poletimber Well	43.2	126	111-140	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.
62	6120 - Lowland Cedar	Poletimber Well	65.5	106	111-140	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 large diameter cedar mixed in. Well established C3 understory (25 ft tall). Carbondale, Lupton and Tawas mucks.
63	6120 - Lowland Cedar	Poletimber Well	8.2	44	Unspecified	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	6.0	84	141-170	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.
65	4190 - Mixed Upland Deciduous with Cedar	Poletimber Well	9.0	80	81-110	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.
67	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.7	104	51-80	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.
68	6122 - Black Spruce	Poletimber Medium	20.4	104	81-110	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.
69	6120 - Lowland Cedar	Poletimber Well	11.9	80	Unspecified	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
70	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	17.4	94	51-80	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.
73	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	42.9	74	51-80	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.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
74	6120 - Lowland Cedar	Poletimber Well	12.6	94	1-50	JB 3/11/015: less spp diversity than stand 85. Hardwood declining, the understory of 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.
75	6122 - Black Spruce	Poletimber Well	28.7	96	81-110	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.
76	6124 - Lowland Spruce-Fir	Poletimber Medium	26.5	99	51-80	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.
77	4139 - Aspen, Mixed Deciduous	Poletimber Medium	9.8	64	51-80	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.
79	4134 - Aspen, Spruce/Fir	Sapling Well	8.1	29	Immature	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.
80	6113 - Lowland Maple	Poletimber Poor	14.5	74	1-50	JB- poor quality - open grown. OPIC - FMD: SCA - winter 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.
81	4319 - Mixed Upland Forest	Poletimber Medium	4.5	29	1-50	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.
82	4319 - Mixed Upland Forest	Poletimber Well	20.0	93	51-80	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 and ash. Good quality in the understory with overstory of poor quality. Check in 30 years. Pickford silt loam.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	31.5	98	111-140	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.
86	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.1	66	51-80	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.
87	6120 - Lowland Cedar	Poletimber Well	6.5	98	171-200	JB- More diversity on the edges. OPIC - FMD: SCA - winter deer yard. Nice, thick cedar. Dorval muck soil.
88	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Medium	7.2	94	51-80	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.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	622 - Lowland Shrub	51.8	No	OPIC - FMD: Lowland brush corridor along the river
52	622 - Lowland Shrub	39.3	No	OPIC - FMD: Lowland brush corridor along the river
58	3102 - Grass	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.
59	122 - Road/Parking Lot	4.8	No	OPIC - FMD: M-28 and the right-of-way
66	622 - Lowland Shrub	14.9	No	OPIC - FMD: Lowland brush corridor along the river
71	622 - Lowland Shrub	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.
89	622 - Lowland Shrub	18.1	No	OPIC - FMD: SCA - winter deer yard. Drainage flowing through stand into the Sage River. Pickford silt loam.
90	622 - Lowland Shrub	8.8	No	JB- Scattered trees and shrubs. Black spruce, bog birch, red maple and willow. OPIC - FMD: Lowland brush corridor along the river
91	622 - Lowland Shrub	6.9	No	OPIC - FMD: Lowland brush corridor along the river
478	3102 - Grass	1.5	No	OPIC - FMD: SCA = winter deer yard area. Small opening along the private property on the west side of Co Rd 393.