



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42111

Entry Year 2020

Acreage: 1,847

County Luce

Management Area: 8 Mile Corner

Revision Date: 2018-07-30

Stand Examiner: Matt Payment

Legal Description:

T46N R10W Sections 7, 8 & 9

Identified Planning Goals:

Timber management, wildlife habitat, and recreation are the main uses of the compartment. The overriding goal is to maintain or improve the forest health, productivity and diversity of the area to promote and enhance these uses. Treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat. Timber management (aspen and northern hardwoods) will continue at the current sustainable level of management, promoting an array of both age class and structural diversity in the cover types.

Soil and topography:

Upland areas are dominated by two soil types; Kalkaska sand and Wallace-Spot soils complex. These upland soils support cover types of aspen, northern hardwoods and some red pine and upland spruce plantations. Lowland areas are dominated by Spot-Finch soil complex, Paquin-Spot soil complex and Carbondale, Lupton and Tawas muck soils. These lowland soils support lowland aspen and birch, mixed swamp conifer, and lowland hardwoods cover types. Several drainages supporting beaver ponds/floodings are found throughout the compartment. The terrain throughout the compartment is level to slightly rolling, with a gradual ridges at the transition from upland to lowland.

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

The compartment is entirely State owned, with only one privately owned 80 acre parcel in Section 7. The compartment is surrounded on all sides by State land, with the exception of 2 small private parcels on the northern border. Development around the area is low. There are a number of permanent residences east of the compartment along Co Rd 446 as well as a few scattered camps in the local area. The main types of land use of the area are hunting, snowmobile and ORV riding, berry picking, wildlife viewing and timber production.

Unique Natural Features:

MNFI notes that potential is there for eagle, osprey, merlin, great blue heron rookery, black-backed woodpecker, spruce grouse, red-shouldered hawk, and goshawk. Potential for moose and wolf. Potential for incurvate emerald, red-disked alpine, freija fritillary, frigga fritillary, and ebony boghaunter in boggy areas. Potential for Blanding's turtle along drainage. They also list potential for small yellow pond lily, American shore grass, Farwell's milfoil, alternate-leaved water-milfoil, and Potamogeton confervoides associated with inland lakes in the compartment. Potential for climbing fumitory, pine-drops, Canada rice-grass, and false violet in pine stands. Potential for auricled twayblade in streamside thickets.

Archeological, Historical, and Cultural Features:

The Bureau of History does not list any historical features within the compartment.

Special Management Designations or Considerations:

There are no Special Management Designations.

Watershed and Fisheries Considerations:

Fisheries Values: Minimal

There are some small drainages that run through this compartment, but fisheries values are minimal at best with many unknown. Standard BMP's should apply along any surface water in this compartment.

Wildlife Habitat Considerations:

Compartment 111 lies in central Luce county and is in the Seney Sand Lake Plain ecological sub-subsection and in the 8 mile Corner Management Area. Featured species of the management area include ruffed grouse, blackburnian warbler,

white-tailed deer, and pileated woodpecker. It is immediately north of the McMillan Deer yard and as such is a breakout area for wintering deer. The compartment is heavily used for recreation. It is quite diverse with a heavy component of aspen and northern hardwood stands, a good mix of low types including marshes, treed bogs, and lowland brush and scattered spruce, fir, and mixed lowland conifer stands. Within stand diversity is good in all stand types.

Wildlife objectives will be achieved by the retention of hard and soft mast producing trees, wildlife den and nest trees and snags in harvested stands and the preservation of conifer components in aspen and hardwood stands. Some large aspen will be retained in stands for future softwood snags. Many stands will retain conifer as a component. Hardwood stands have the potential to contain vernal pools which will be protected during harvest operations to preserve wetland wildlife habitat. White-tailed deer, black bear, fisher, marten, bobcat, coyotes, gray wolves, ruffed grouse, woodcock, beaver and snowshoe hare are expected to use this compartment.

Mineral Resource and Development Concerns and/or Restrictions

Sections 7-9, T46N-R10W, Luce County

Sand/gravel pits are located roughly four miles to the southeast, but there may be some sand & gravel potential within the compartment on the uplands. There is no known metallic mineral potential in this area, and there is no potential for economical production oil and gas in the UP.

Vehicle Access:

Located 5 miles northwest of Newberry, primary access is via County Road 446 from the east. Camp 6 Road, a maintained forest road, as well as a network of lesser forest roads (two track dirt roads) transect the compartment providing ample vehicle access. Access can also be gained via the designated ORV and snowmobile trails which are found within the compartment boundary. Several abandoned/closed roads used for past timber sales are also found throughout the area.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Recreational facilities include the Three Mile Snowmobile Trail and the Silver Creek ORV Trail. The Silver Creek Multi Use Trailhead is located within the compartment. Opportunities for recreation include hunting, hiking, berry picking, wildlife/nature viewing, snowmobiling and ORV riding.

Fire Protection:

Large fire growth potential will be minimal with the absence of pine fuel types. Parts of the compartment are lowland types and not accessible by suppression equipment, but may not support high intensity fire. Some of the two track road network will require some effort for access by wheeled suppression equipment.

Additional Compartment Information:

The following reports from the Inventory are attached:

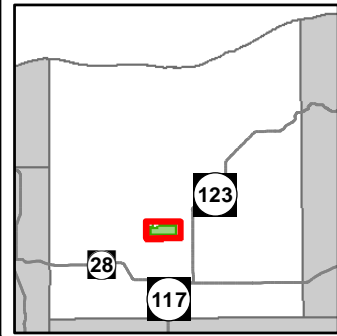
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

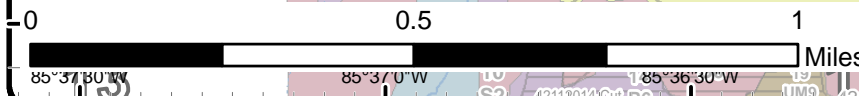
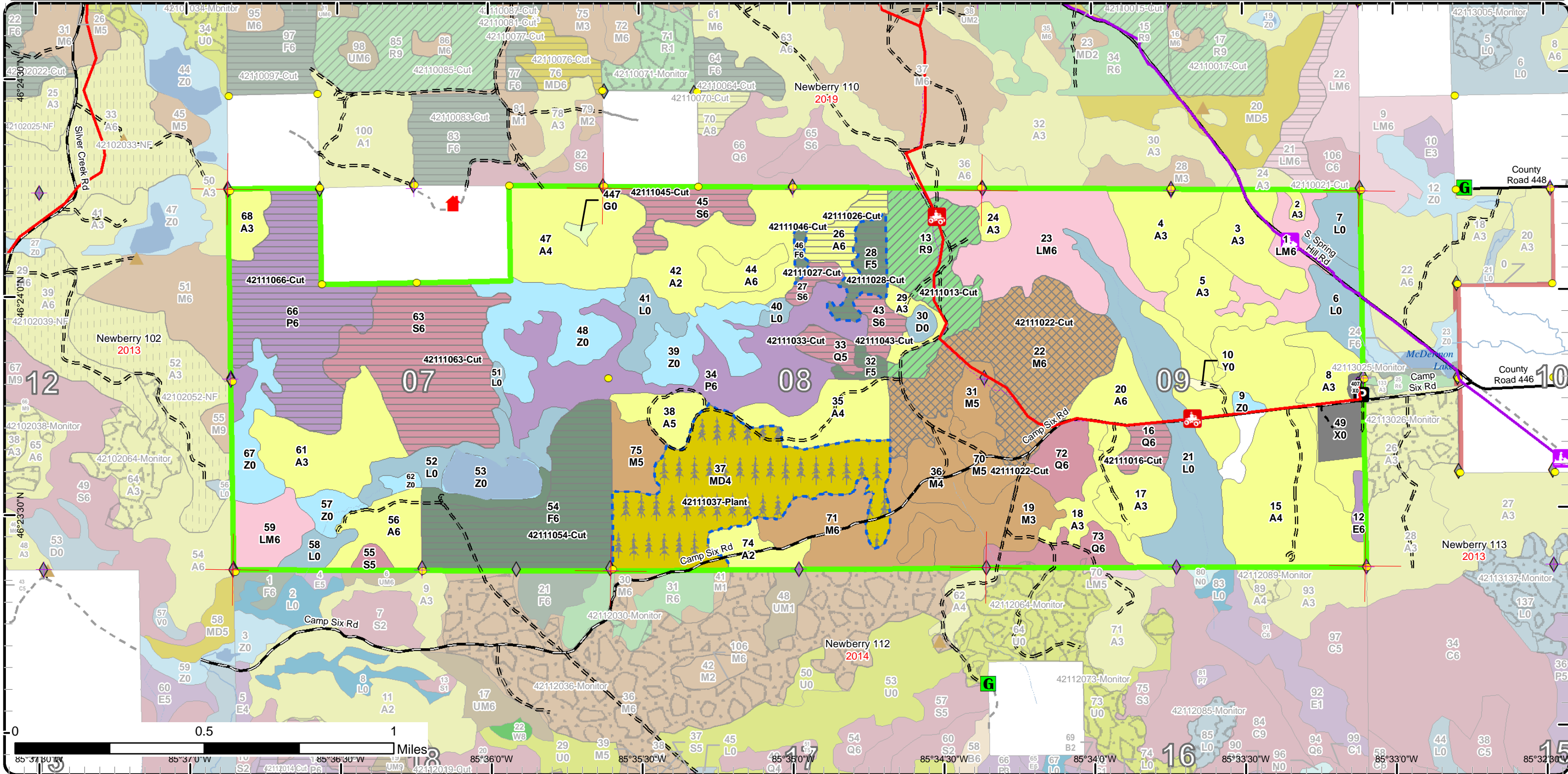
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 111
 T46N, R10W, Sec. 7-9
 County: Luce
 Unit: Newberry
 Mgmt Area: 8 Mile Corner
 YOE: 2020
 Acres: 1,847 GIS Calculated
 Examiner: Matt Payment
 Map Revised: 4/23/2019
 Map Phase: Post-Review



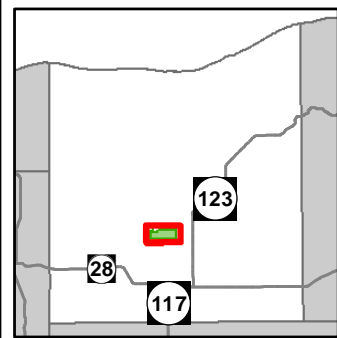
- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Primary Forest Road
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- 🏠 Cabin
- ▲ Berms
- G Gate
- P Parking Lot
- 🏠 Structures
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Non-Designated Recreational Trail
- Compartment Boundary
- Treatments with Site Conditions
- X Selection (Group, Single Tree)
- T Planting (tree species)
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 423 - Other Upland Conifers
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand/Soil
- Lakes



85°37'00"W 85°37'00"W 85°36'30"W 85°36'00"W 85°35'30"W 85°35'00"W 85°34'30"W 85°34'00"W 85°33'30"W 85°33'00"W 85°32'30"W

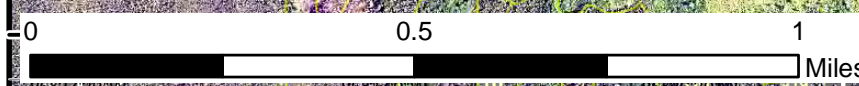
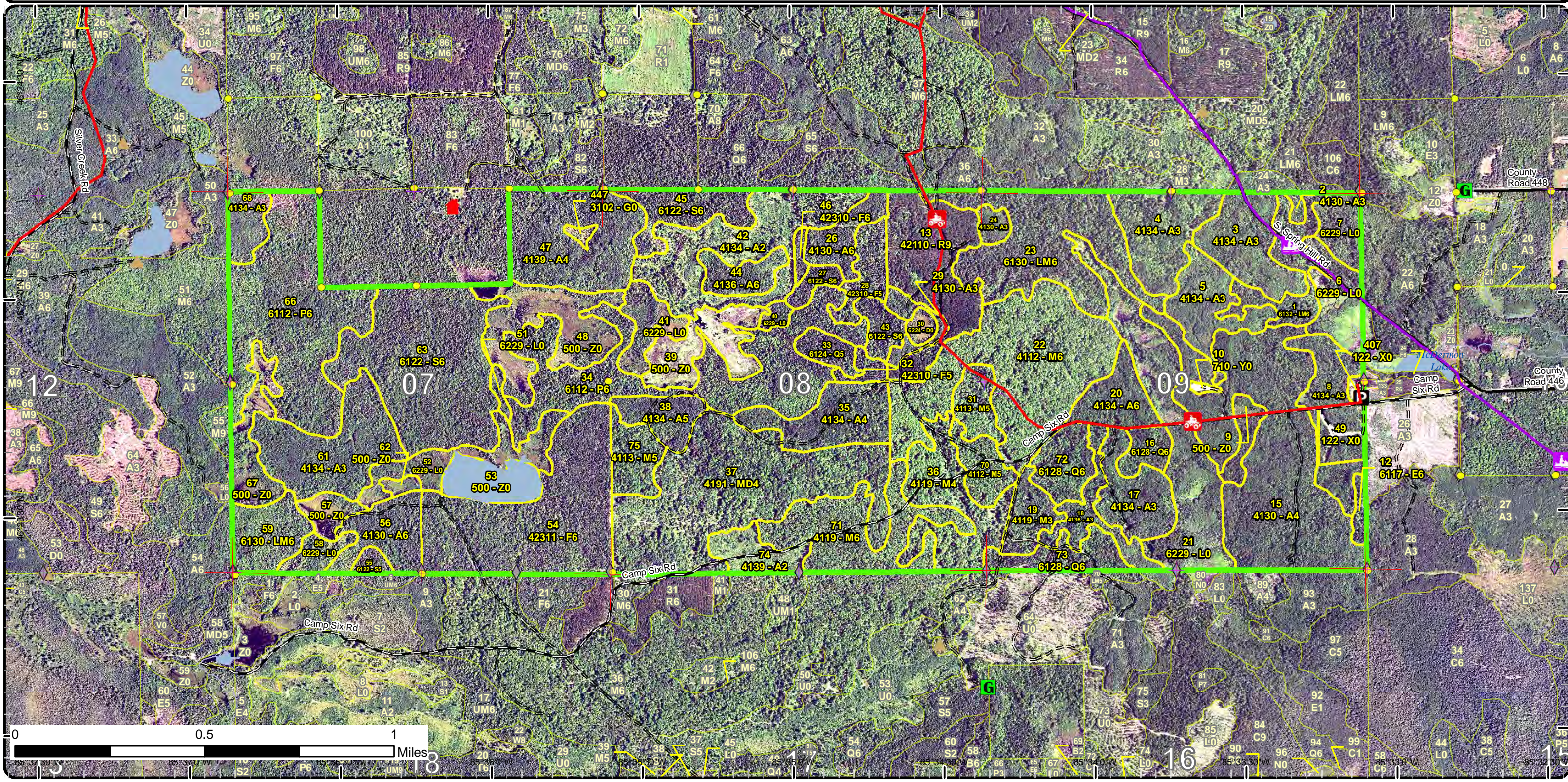
Stand Boundary Map

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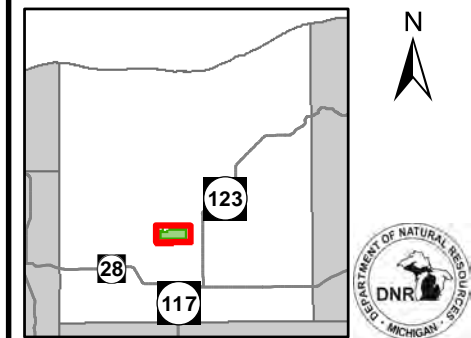
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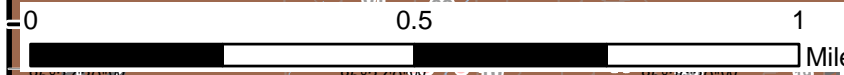
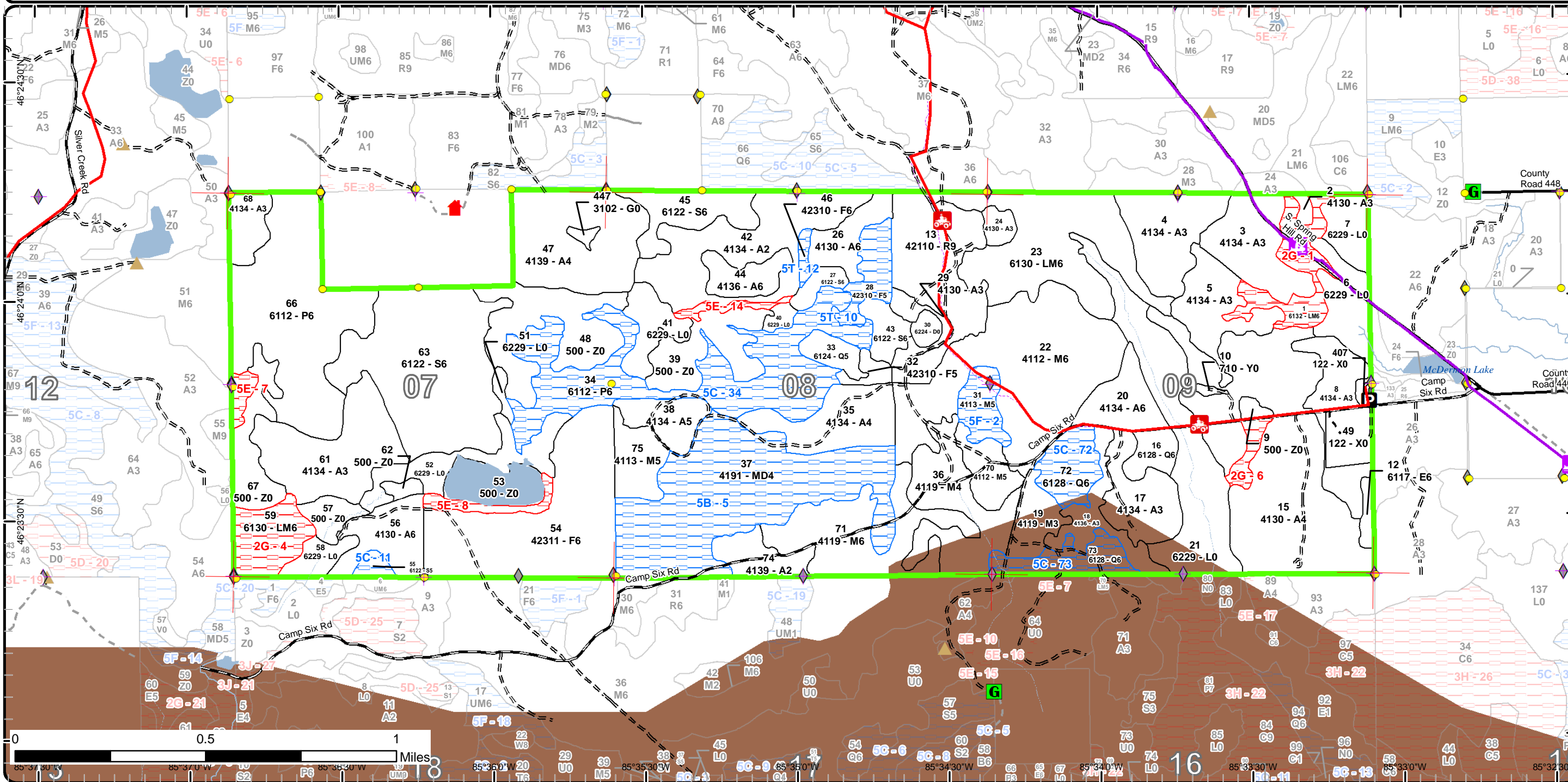


Special Conservation Areas & Site Conditions Map

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- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Non-Designated Recreational Trail
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 5T: Contingency Treatment for Forest Health Concerns
- 2G: Too wet (sensitive soils, does not include access issues)
- 5E: Long-Term Retention
- Stand Boundaries
- Deer Winter Range



85°37'30"W 85°37'00"W 85°36'30"W 85°36'00"W 85°35'30"W 85°35'00"W 85°34'30"W 85°34'00"W 85°33'30"W 85°33'00"W 85°32'30"W

Report 1 – Total Acres by Cover Type and Age Class



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	71	43	124	316	27	0	0	0	0	0	0	0	0	0	0	0	0	579
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	85	0	94	0	0	0	0	0	0	0	179
Lowland Conifers	0	0	0	0	0	0	0	0	0	33	17	0	0	0	0	0	0	0	50
Lowland Deciduous	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Mixed Forest	0	0	0	0	0	0	0	0	90	23	0	0	0	0	0	0	0	0	113
Lowland Shrub	144	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	4	126	0	0	0	0	0	0	0	0	130
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	111	0	0	0	0	0	0	0	0	0	110
Northern Hardwood	0	0	0	0	14	39	0	0	76	0	0	0	0	0	0	0	0	109	238
Red Pine	0	0	0	0	0	0	49	0	0	0	0	0	0	0	0	0	0	0	49
Sand, Soil	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Spruce/Fir	0	0	0	0	0	0	110	0	0	0	0	0	0	0	0	0	0	0	110
Urban	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Water	115	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	115
Total	279	71	43	124	330	66	163	0	366	182	111	0	0	0	0	0	0	109	1841



Report 2 – Treatment Summary

Newberry Mgt. Unit

Year of Entry: 2020

Acres of Harvest

Compartment 111

Total Compartment Acres: 1,847

Commercial Harvest - 478
 Harvests with Site Condition - 16
 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	15	0	0	0	0	0	0	0	0	15
Lowland Aspen/Balsam Poplar	89	0	0	0	0	0	0	0	0	89
Lowland Conifers	17	0	0	0	0	0	0	0	0	17
Lowland Spruce/Fir	126	0	0	0	0	0	0	0	0	126
Northern Hardwood	0	97	0	0	0	0	0	0	0	97
Red Pine	0	0	0	0	0	49	0	0	0	49
Upland Spruce/Fir	103	0	0	0	0	0	0	0	0	103
Total	349	97	0	0	0	49	0	0	0	495

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	495	0	111	0	0	0	0	0	0	605
Next Step	0	82	82	0	82	0	556	0	0	802
Total	495	82	192	0	82	0	556	0	0	1407



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
13	42111013-Cut	48.9	42110 - Planted Red Pine	Sawtimber Well	59	171- 200	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Thin stand to 110-140 BA.

Specs:

Next Step

Treatments:

Acceptable red pine

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

16	42111016-Cut	8.7	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	84	111- 140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Two-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand of all species except Leave all hemlock and cedar. Buffer creek to the east 100 feet.

Specs:

Leave 4 linear brush piles 6 feet high running into stand 17.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable mixed coniferous species

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

22	42111022-Cut	96.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	75	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Thin stand 90-110 BA.

Specs:

Leave any white pine over 18".

Leave all hemlock, Leave some spruce and balsam fir as well (branches to the ground preferred). Try to leave some clumps of conifers where they exist.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable mixed northern hardwood.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
26	42111026-Cut	14.6	4130 - Aspen	Poletimber Well	45	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Remove all species present, except leave 1 large aspen / acre and leave 1-2 large conifer per acre.

Specs:

Leave some larger aspen in the red line if present.

Create drumming logs by hinge cutting or tipping over 5 trees of any species (one per 3 acres) scattered across the stand that are 9-15 inches in diameter and within site of the redline where there might be mature aspen left or aspen

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, mixed deciduous.

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

27	42111027-Cut	5.5	6122 - Black Spruce	Poletimber Well	85	51-80	Harvest	Clearcut	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Remove all species present. No retention due to small acres.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed coniferous species.

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

28	42111028-Cut	13.8	42310 - Planted Spruce	Poletimber Medium	58	1-50	Harvest	Clearcut with Retention	42330 - Upland Fir	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Contingency Treatment**

Prescription Cut all species in the stand. Leave some large aspen in the red line.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed upland conifers and aspen

Regen:OtherComment:

Proposed Start Date: 10/1 /2019

32	42111032-Cut	4.5	42310 - Planted Spruce	Poletimber Medium	58	1-50	Harvest	Clearcut	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut stand no retention due to small acreage.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable mixed coniferous and deciduous species.

Regen:OtherComment:

Proposed Start Date: 10/1 /2019



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
33	42111033-Cut	8.0	6124 - Lowland Spruce-Fir	Poletimber Medium	80	51-80	Harvest	Clearcut with Retention	6129 - Mixed Coniferous Lowland Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Clearcut stand leaving hemlock and yellow birch.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable lowland coniferous species acceptable.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

37	42111037-Plant	110.5	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	71	51-80	Planting	Other - Specify	4123 - Red Oak	Uneven-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Shelterwood/Seed Source**

Prescription Plant apple and oak intermittently throughout the stand. For diversity and mast producing species.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable apple and oak to be planted.

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

43	42111043-Cut	9.0	6122 - Black Spruce	Poletimber Well	85	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Remove all species except leave all White Pine.

Specs:

Drop 2 brush piles 6feet tall long and linear into stand 29. Leave some spruce along stand 30 in the red line.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable mixed lowland coniferous

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019



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
45	42111045-Cut	21.3	6122 - Black Spruce	Poletimber Well	87	51-80	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Harvest all species present. Leave retention in form of pockets 3-10% where thicker cedar is present. Leave any hemlock and or white pine if found.

Specs: Leave 3 long linear brush piles 6 feet tall running into the aspen stands surrounding it. 10 scattered hinge cuts throughout the stand to benefit wildlife. Consult Wildlife.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable mixed coniferous species
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

46	42111046-Cut	2.6	42310 - Planted Spruce	Poletimber Well	58	51-80	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Contingency Treatment**

Prescription Cut all species present and allow stand to come back to aspen due to small acreage.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019

54	42111054-Cut	81.8	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	58	81-110	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Clearcut spruce, No retention to facilitate planting operations. Buffer beaver pond accordingly. Stand may become smaller in the NE corner due to operational restrictions.

Specs:

North East corner of stand to come back naturally.

Burn, trench, and plant, with a possible site prep spray after the burn.

Next Step SitePrep, Trenching; Burn, Slash; Planting, Initial Plant; Monitoring, Artificial Regen(1yr)
Treatments:

Acceptable red pine
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2019



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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
63 42111063-Cut	90.3	6122 - Black Spruce	Poletimber Well	84	81-110	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Cut all species present leave 3-5% retention in multiple pockets throughout the stand. Buffer lowland types to the east and south.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable mixed lowland conifers
Regen:

Other Stand is adjacent to a sale that has not been cut yet. Will have to pay attention to green up guidelines depending on the timing of sale prep and
Comment: the adjacent stand being cut.

Proposed Start Date: 10/1 /2019

66 42111066-Cut	89.0	6112 - Lowland Aspen	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	6119 - Mixed Lowland Deciduous Forest	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Clearcut all species present. Do NOT cut hemlock, yellow birch, white pine, or any trees marked with green paint.
Specs:

Next Step ; Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Mixed species of conifers and deciduous species is acceptable for this stand.
Regen:

Other Percent to Treat = 100%
Comment:

Proposed Start Date: 10/1 /2009

Total Treatment Acreage Proposed: 605.3

Report 4 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 111
Year of Entry: 2020

Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions						
		With Condition			5B	5C	5F	5T	2G	5E	
581	577	0		4	Aspen	0	0		0	0	4
2	2	0		0	Herbaceous Openland						
179	90	85		4	Lowland Aspen/Balsam Poplar		85		0		4
50	17	33		0	Lowland Conifers		33				
4	4	0		0	Lowland Deciduous						
113	69	0		44	Lowland Mixed Forest					44	
144	144	0		0	Lowland Shrub		0			0	0
130	126	4		0	Lowland Spruce/Fir		4				0
110	0	110		0	Mixed Upland Deciduous	110	0				
238	226	12		0	Northern Hardwood	0	0	12			
49	49	0		0	Red Pine		0		0		
1	1	0		0	Sand, Soil						
4	4	0		0	Treed Bog						
110	87	16		7	Upland Spruce/Fir	0	0		16		7
13	13	0		0	Urban						
115	115	0		0	Water		0			0	0
1,842	1,522	261		58	Total Forested Acres	110	122	12	16	44	14
	83%	14%		3%	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	2G: Too wet (sensitive soils, does not include access issues)	23	3J: Water quality / BMPs (stream, river, or lake)	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments: Evaluated for SBW.							
2	Available	5F: Evaluated for Forest Health Considerations	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							

Report 4 – Site Conditions

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4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW.							
5	Available	5B: Maintain for regeneration purposes	111	5F: Evaluated for Forest Health Considerations	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified
Comments: Evaluated for SBW. Some merchantable timber scattered in pockets around the stand but a majority of the western half is opening filling in with advanced regeneration.							
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments: small acreage stand merged with larger stand in treatment. Put into long term retention due to location and size.							
8	Unavailable	5E: Long-Term Retention	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: buffer between plantation and beaver pond.							
9	Unavailable	1A: Federal/State/Local Law	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
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10	Available	5T: Contingency Treatment for Forest Health Concerns	14	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments: stand can be treated if forest health concerns arise. Held also for diversity due to the high amount of cutting in the area.							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	5T: Contingency Treatment for Forest Health Concerns	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: held for diversity and a 5T put on in case of future pest issues within the stand it can then be treated.							
14	Unavailable	5E: Long-Term Retention	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	85	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
Comments: Evaluated for SBW. Hold due to high amount of timber to the NE being prescribed.							
72	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 111
Year of Entry: 2020

73	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: hold for 10 years then harvest.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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
Comments				



Report 6 – 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	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	23.1	84	81-110	Wet stand of cedar, aspen, red maple, spruce along the snowmobile trail. Stand is more sparse in the south and western portions. Understory of a Q2 with areas of thick tag alder.
2	4130 - Aspen	Sapling Well	2.0	23	Immature	This stand is part of a recent final harvest of a P and Q type. Sale #019-93-01. Completed 7/2/96. It seems that the stand at this point is regenerating back aspen with cherry and soft maple with some scattered stems of spruce. Nice regeneration 20-25 ft tall throughout most of the stand. Some open areas are more of an M2.
3	4134 - Aspen, Spruce/Fir	Sapling Well	30.1	23	Immature	This stand is part of sale Sale #019-93-01. Completed 7/2/96. It seems that the stand at this point is regenerating back aspen with cherry and soft maple with some scattered stems of spruce. Nice regeneration 20-25 ft tall throughout most of the stand. Some open areas are more of an M2. Some balsam coming in as well.
4	4134 - Aspen, Spruce/Fir	Sapling Well	32.3	35	Immature	Cut in 1984. Aspen, maple, cherry, birch, and balsam filling in. Some open areas with scattered spruce and larger white pine. Wetter along west and south edges.
5	4134 - Aspen, Spruce/Fir	Sapling Well	25.6	16	Immature	Stand was treated. Sale# 42-024-00-01 'Camp 6 Road Aspen'. Sale was closed 2/13/03. Scattered white pine, cedar and hemlock still standing. Balsam fir understory still present. Good aspen regeneration 20-30ft. Low areas are more of a "P" type with a component of lowland hardwoods.
8	4134 - Aspen, Spruce/Fir	Sapling Well	22.8	25	Immature	Aspen 15-25 ft tall. Good component of cherry and maple. Some balsam and spruce. Radio tower located in the stand, south of Camp 6 Road.
12	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	3.8	52	51-80	Lower stand with wet area within. Red maple, white spruce and aspen compose the stand with some scattered paper birch. Small acreage.
13	42110 - Planted Red Pine	Sawtimber Well	48.9	59	171-200	Stand planted in 1960, almost purely red pine with M2 understory. Third row thinning completed 2002. Ready for second thinning. Nice pole / log size red pine.
15	4130 - Aspen	Poletimber Poor	120.6	36	81-110	Cut in 1983. Young aspen stand transitioning from an A3 to an A6. Aspen, maple, spruce, cherry and white birch. Ranges from an A3 to an A5. Pockets of residual timber. Some coniferous species scattered throughout and along wet edges. Younger Aspen, maple, cherry, and balsam coming up in understory.
16	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	8.7	84	111-140	Mixed stand of spruce, aspen, maple, balsam, white birch, cedar, hemlock, and tamarack. Some blowdown. Mortality in the aspen. More hemlock and cedar below the ridge on the east side near the creek. Small acres, stand would get smaller do to buffering the stream.
17	4134 - Aspen, Spruce/Fir	Sapling Well	24.5	33	Immature	Stand was cut in 1986. Young aspen, bordering on transitioning from an A3 to an A6. Pockets of residual maple and aspen along the tow track road through the stand. Good balsam component.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4136 - Aspen, Mixed Conifer	Sapling Well	16.9	16	Immature	Stands was treated. Sale #42-024-00-01 'Camp 6 Road Aspen'. Sale was closed on 2/13/03. Young aspen starting to regenerate well. Averaging 15 ft tall. Scattered white pine, cedar and hemlock still standing. Balsam fir is still in the understory.
19	4119 - Mixed Northern Hardwoods	Sapling Well	13.5	33	Immature	Stand was clearcut in 1986. Regeneration is a mix of red maple, cherry, some aspen, white birch. Scattered areas with M4 residual from the harvest - low quality. Some overstory balsam fir and white pine.
20	4134 - Aspen, Spruce/Fir	Poletimber Well	18.3	34	Immature	Stand cut as sale #021-84-01. Completed in 1985. Young A3, almost to a point of transitioning from an A3 to an A6. Pockets where stand is an A4 with merchantable trees. Good heights.
22	4112 - Maple, Beech, Cherry Association	Poletimber Well	96.9	75	111-140	Small diameter red maple. Many areas in the stand are fairly open, lower BA. Pockets with good red maple pole timber. Beech component is high in areas, all with BBD especially in the eastern portions of the stand. Small diameters. low BA. Some top dieback in the maple.
23	6130 - Fir, Aspen, Maple	Poletimber Well	68.5	74	81-110	Stand is variable. Ranges from an A6 in the more northern portion to a Q6 in the southern portions. Wetter in the southern portion. Overall the stand is primarily a "Q" or "P" type, depending on where you are in the stand. Hold for 10 years. Fair amount of cutting adjacent to or near this stand. Keep for diversity. Harvest with adjacent stand in compartment to the north (Comp 110, Stand 36).
24	4130 - Aspen	Sapling Well	4.7	25	Immature	Stand cut as sale #014-90-01. Completed in 1994. Young aspen 20ft tall. On a hillside, south facing. Mix of bigtooth and quaking aspen, some red maple and cherry present as well along with balsam fir and some scattered white pine.
26	4130 - Aspen	Poletimber Well	14.6	45	81-110	Stand was cut in 1974. Young, tall aspen, just coming into the A6 class. Thick stand with many trees just below merchantability. Understory of maple and balsam.
27	6122 - Black Spruce	Poletimber Well	5.5	85	51-80	Very wet, bog ground black spruce.
28	42310 - Planted Spruce	Poletimber Medium	13.8	58	1-50	Camp 6 Red Pine, sale #42-030-00-1. Sale completed on 11/21/02. Stand was thinned through. Good maple and aspen regeneration coming in. Hold for 10 years then treat stand. Held to allow regen to become better established and the heavy amount of prescribed acres surrounding this area.
29	4130 - Aspen	Sapling Well	7.0	25	Immature	Stand was cut in 1994. Young aspen bordering a bog. Adjacent to the road. Good component of maple and balsam fir. 15-20 ft tall on average.
31	4113 - R.Maple, Conifer	Poletimber Medium	12.3	65	81-110	Separated out from adjacent maple stands due to the quality of the maple being very low and the component of white pine and balsam. Open grown, multiple stem maple. Short, limby white pine. Scattered spruce. Fairly open stand. Good cherry component. Old opening growing in possibly.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
32	42310 - Planted Spruce	Poletimber Medium	4.5	58	1-50	3/14/18 Stand is filling in with aspen, balsam, and some spruce in areas where the spruce "rows" were thinned out. Camp 6 Red Pine, sale #42-030-00-1. Sale completed on 11/21/02. White Spruce planted in 1961. Thinning was a take two rows leave three rows pattern.
33	6124 - Lowland Spruce- Fir	Poletimber Medium	8.0	80	51-80	Lowland stand with majority of it being white spruce, western edge has more black spruce, cedar, some hemlock scattered throughout. Overall stand is pole sized with wet areas. Red maple, balsam, and some spruce coming back in the understory.
34	6112 - Lowland Aspen	Poletimber Well	85.2	78	51-80	Mainly lowland aspen. Pockets of higher ground (aspen and maple). Areas where the stand is more open (P4). Pockets of P3/E3. Lots of variability throughout the stand in both BA and species composition. Mature aspen is showing decline and mortality in spots. Stand is bounded by a series of beaver ponds to the north.
35	4134 - Aspen, Spruce/Fir	Poletimber Poor	29.6	37	1-50	Stand was cut in 1982. Young aspen transitioning from an A3 to an A6. Good heights, thick stand. Good component of white birch in pockets and along the old access road. East end of the stand has higher component of residual overstory. Component of maple, cherry, balsam and spruce.
36	4119 - Mixed Northern Hardwoods	Poletimber Poor	39.2	46	1-50	Open area filling in with red maple and cherry. Scattered spruce and balsam. Pockets of better quality M5 throughout and also areas of more of an M2/M3.
37	4191 - Mixed Upland Deciduous with Conifer	Poletimber Poor	110.5	71	51-80	Lots of variability to this stand. Ranges from an A2/M2 to M5/A5. Pockets of thicker aspen and/or hardwoods (northern end). Open areas (U0). Lots of wildlife activity within the stand. Bear sign, deer sign, grouse seen in stand. M4/A4/M6/A5/M3/A3/U0. Old notes state "This stand was harvested heavily for firewood in the late 70s and early 80s."
38	4134 - Aspen, Spruce/Fir	Poletimber Medium	14.5	37	51-80	Stand was cut in 1982. Stand is transitioning from an A3 to an A6. Better diameters and heights than stand 35 to the east. Pockets of A6. Nice thick, tall stand of aspen. Some areas in the stand along the southern edge are wet some topography from the ridge to the south. Road runs all around the stand.
42	4134 - Aspen, Spruce/Fir	Sapling Medium	57.1	7	Immature	Fully stocked stand of young aspen and balsam fir. Bordered by black spruce stand to the north. Rolling hills/ridges. Some lower areas. "Open" areas have a high BA of balsam, small diameter. Northeast portion of the stand has some lower areas near the spruce stand to the north. Left large white pine and a component of white birch as residual. Stand harvested via final harvest as sale #026-10-01, Compartment 111 Aspen. Completed 07/02/2012. Regeneration check needed in 2016.
43	6122 - Black Spruce	Poletimber Well	9.0	85	81-110	Wet, bog ground spruce. Difficult to operate in. Hold for diversity due to small acreage.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
44	4136 - Aspen, Mixed Conifer	Poletimber Well	12.5	45	81-110	Stand was cut in 1974. Young aspen which just transitioned into the A6 class. Good quality aspen stand, tall, thick, good understory. Understory of M3/F2. 30-35 years old.
45	6122 - Black Spruce	Poletimber Well	21.3	87	51-80	Black spruce. Wet. Transitions to more of a Q6 to the north end of the stand. Some aspen and birch along north edge with red maple. Some top die back in older aspen.
46	42310 - Planted Spruce	Poletimber Well	2.6	58	51-80	Planted in 1961. Small stand of spruce in N-S rows. Stand harvested via thinning as sale #026-10-01, Compartment 111 Aspen. Completed 07/02/2012. Regen 2016: 1826 TPA of red maple, 1141 TPA of aspen, 456 TPA of balsam. Residual BA is 76.
47	4139 - Aspen, Mixed Deciduous	Poletimber Poor	53.6	39	1-50	Young Aspen coming in. Cut in 1980. Young aspen transitioning from an A3 to an A6. Aspen, maple and cherry. Good component of balsam and spruce along the stand edges an in NW. Stand is surrounded by low ground, uncut timber along edges give the stand a two aged appearance.
54	42311 - Planted Spruce, Mixed Deciduous	Poletimber Well	89.2	58	81-110	Spruce plantation with areas overtopped by maple and aspen. Primary stand is still the white spruce throughout most of the stand. SW portion of the stand has a higher component of maple and aspen than the NE portion. Runs of larger spruce and runs of smaller spruce.
55	6122 - Black Spruce	Poletimber Medium	3.6	71	51-80	Treed bog with spruce. considerate amount of water in the stand as well.
56	4130 - Aspen	Poletimber Well	21.8	39	51-80	Cut in 1980. Young aspen transitioning from an A3 to an A6. Just under 30 years old on average. Pockets where maple and balsam appear to have been left as residual. A4/A5/A3. Some scattered paper birch and spruce with a few large white pine.
59	6130 - Fir, Aspen, Maple	Poletimber Well	21.1	76	51-80	This stand is way to wet to operate in other wise they would have harvested it with the adjacent clearcut. Stand is extremely wet making any harvest operations very difficult. The stand is almost entirely surrounded by water. The east and north east sides of the stand are higher ground but gaining access would be almost impossible.
61	4134 - Aspen, Spruce/Fir	Sapling Well	46.4	25	Immature	1994 clearcut. Sale #018-90-01. Pockets of standing water. Young aspen is starting to regenerate. Low areas throughout the stand are more of a "P" type. Access to this stand must have been from the south across the flooding.
63	6122 - Black Spruce	Poletimber Well	90.3	84	81-110	Stand is a mixed bag comprised mainly of black spruce with red maple, balsam fir, and some scattered aspen, cedar and hemlock throughout. There are some ridges within the stand that may make harvesting operations difficult in some areas. Hold stand for 10 years due to the adjacent stand to the west being under prescription and is yet to be cut. Some areas are wet within the stand but overall should be maneuverable for equipment. Access would have to be from the west and north.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
66	6112 - Lowland Aspen	Poletimber Well	93.8	90	81-110	Stand was sold as C111 Swamp and is still on the books waiting to be cut. Variable stand. Ranging from a P type to a Q type to an E type. Lower areas have tag alder, ash, maple and spruce. Much of the aspen is over mature and dying out. Most of the red maple is low quality and small dbh. Areas of thicker spruce. One nice ridge of aspen east of stand 67. Open areas of E5 - very wet. A few lower cedar areas. Prescribe stand for treatment. Clearcut with reserves. Winter harvest. Leave cedar patches for retention (will have a component of white birch, spruce and red maple within them). Leave all yellow birch and white pine. Management objective of lowland aspen mixed with hardwoods.
68	4134 - Aspen, Spruce/Fir	Sapling Well	11.5	25	Immature	Cut in 1994. Stand crosses into adjacent compartment to the west (Comp 102). Young aspen. A3. Access was from the NW. Borders a beaver pond/flooding area. Paquin-Spot soil complex.
70	4112 - Maple, Beech, Cherry Association	Poletimber Medium	13.4	73	51-80	Pole size red maple with a component of hard maple and beech. Scattered aspen, yellow birch and cherry. This stand consists of the area with better quality and slightly larger diameters. Stand edges adjacent to stands 37 and 36 have slightly lower quality. Comp 111 Hardwoods #420251001. Marked to a residual BA of 70 sq ft on average. Left a component of aspen in the stand.
71	4119 - Mixed Northern Hardwoods	Poletimber Well	47.0	71	81-110	Pole size red maple with a component of hard maple and beech. Scattered aspen, yellow birch and cherry. This stand consists of the area with better quality and slightly larger diameters. Stand edges adjacent to stands 37 and 36 have slightly lower quality. Comp 111 Hardwood #420251001. Marked to a residual BA of 70 sq ft on average. Left a component of aspen in the stand.
72	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.7	94	111-140	Low wet stand with mix of species. Red maple, black spruce, aspen, cedar, hemlock and some large white pine with some scattered yellow birch and white pine. Some topography within the stand.
73	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.6	86	111-140	Low wet stand with mix of species. Red maple, black spruce, aspen, cedar, hemlock and some large white pine with some scattered yellow birch and white pine. Some topography within the stand. Hold for 10 years due to stand to south being cut recently.
74	4139 - Aspen, Mixed Deciduous	Sapling Medium	14.1	8	Immature	Comp 111 Hardwoods #420251001 Finished cutting in 2011. Mainly Aspen, cherry, red maple, and balsam fir coming in. Good regen and growth, some scattered red oak have been planted through the stand 8-12ft tall.
75	4113 - R.Maple, Conifer	Poletimber Medium	15.5	77	51-80	Hardwood ridges running SE/NW. Some good quality in the 9-10 inch red maple poles. Quality in the red maple decreases along the stand edges. Drops into lower quality and timber type along northern edge of stand. Residual BA of 70 sq ft on average after last harvest in 2011. Cherry, yellow birch, mature white pine, and spruce/fir were left in places for retention purposes.



Stand	Cover Type	Acres	Managed Site	General Comments:
6	6229 - Mixed lowland shrub	18.9	No	lowland shrubs with cattails and water.
7	6229 - Mixed lowland shrub	12.5	No	Lowland shrub with some drainages through the stand. Considerably wet.
9	500 - Water	2.4	No	
10	710 - Sand, Soil	1.0	No	this is an old sand pit.
21	6229 - Mixed lowland shrub	60.9	No	Beaver ponds, tag alder, flooded timber
30	6224 - Treed Bog	3.7	No	Treed bog with water throughout and sparse trees scattered around stand.
39	500 - Water	25.8	No	Series of beaver floodings/ponds
40	6229 - Mixed lowland shrub	3.0	No	Lowland shrub with water and some standing timber along edges.
41	6229 - Mixed lowland shrub	14.6	No	Stand is extremely wet with some scattered islands of trees and grasses. Borders beaver flooding to the east. Some cedar, tamarack, and black spruce clumps and scattered trees around the strand.
48	500 - Water	40.3	No	Beaver Flooding
49	122 - Road/Parking Lot	11.5	No	11.6 Acres of MSP Michigan State Police Tower Lease land for the 800mhz radio tower.
51	6229 - Mixed lowland shrub	2.5	No	wet lowland shrub with some timber throughout
52	6229 - Mixed lowland shrub	23.6	No	Wet marshy areas with large amount of water and tag alder. Series of beaver dams and drainages in the stand. Old railroad grade run through the stand.
53	500 - Water	16.5	No	Beaver flooding
57	500 - Water	8.0	No	Beaver Flooding
58	6229 - Mixed lowland shrub	8.0	No	lowland shrub with some water from adjacent beaver flooding. grassy and wet with some standing timber.
62	500 - Water	2.6	No	Beaver flooding



Stand	Cover Type	Acres	Managed Site	General Comments:
67	500 - Water	19.5	No	Series of Beaver Ponds
407	122 - Road/Parking Lot	1.8	No	Stand consists of grass opening surrounding the Multi Use Trailhead parking lot.
447	3102 - Grass	1.6	No	Small stand with grass and seedlings with some scattered trees filling in.