



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52155

Entry Year 2018

Acreage: 1,927

County Cheboygan

Management Area: Chandler Hills

Revision Date: 2016-05-16

Stand Examiner: Donald Stacks

Legal Description:

T33N R03W, Sections 4, 9, and 16.

Identified Planning Goals:

To provide for the protection, integrated management and responsible use of a healthy, productive, and undiminished forest resource base for the social, recreational, environmental, and economic benefit of the State of Michigan.

Soil and topography:

Kalkaska and Blue Lakes sands. Mostly flat ground with more steep terrain found along the west edge of sections 4 and 9.

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

Compartment 155 consists of three contiguous sections of entirely state-owned land. State-owned land is also located on the south and west sides of the compartment, with private ownership found to the north and east. Only 120 acres within the compartment is classified as tax reverted acquisition, with 160 acres purchased. The balance of the compartment acreage was privately gifted in 1924.

Unique Natural Features:

Northern goshawk and red-shouldered hawk have been observed.

Archeological, Historical, and Cultural Features:

None listed.

Special Management Designations or Considerations:

Compartment 155 had been managed as a 5 YOY compartment for the last two entry years (1998 and 2008), because of the significant amount of commercially mature red pine that required harvesting. Starting with the 2018 YOY, the compartment will be managed on the traditional 10 year entry cycle.

Watershed and Fisheries Considerations:

This compartment contains portions of Marl Creek and the West Branch of the Sturgeon River, which are designated trout streams.

Wildlife Habitat Considerations:

This compartment has a broad mix of cover types and has moderate populations of deer, turkey, and ruffed grouse. Beaver ponds on tributaries to the West Branch of the Sturgeon River provide habitat for waterfowl and furbearers. Hunting pressure for all species is high.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of coarse-textured till, ice-contact and glacial outwash sand and gravel, and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. The Devonian Antrim Shale and Traverse Group subcrop below the glacial drift. Both units are quarried elsewhere in the state. There are apparent sand/gravel pits located to the northwest (sections 29 & 32, T34N R3W). There appears to be good sand and gravel potential within the compartment. State land in the area was recently leased as part of the Collingwood Shale play and a plugged Collingwood oil well exists less than one mile to the south in Section 21. There may be additional potential for the Collingwood, but to date, there has been limited production from the Collingwood and it is still an unproven play. Interest in the formation has waned and most leases in the area have expired. Active leasing and production associated with the Antrim Shale is located approximately two miles to the south. The Antrim Shale is thinning to the north and there does not appear to be any gas potential in this area.

Vehicle Access:

Multiple county roads, seasonal county roads, and forest trail roads provide access into the compartment.

Survey Needs:

None needed.

Recreational Facilities and Opportunities:

A designated snowmobile trail and ORV trail exists within the compartment

Fire Protection:

Wolverine VFD is located about 3 miles to the east and the Indian River Field is located about 12 miles to the north to provide forest fire protection to the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

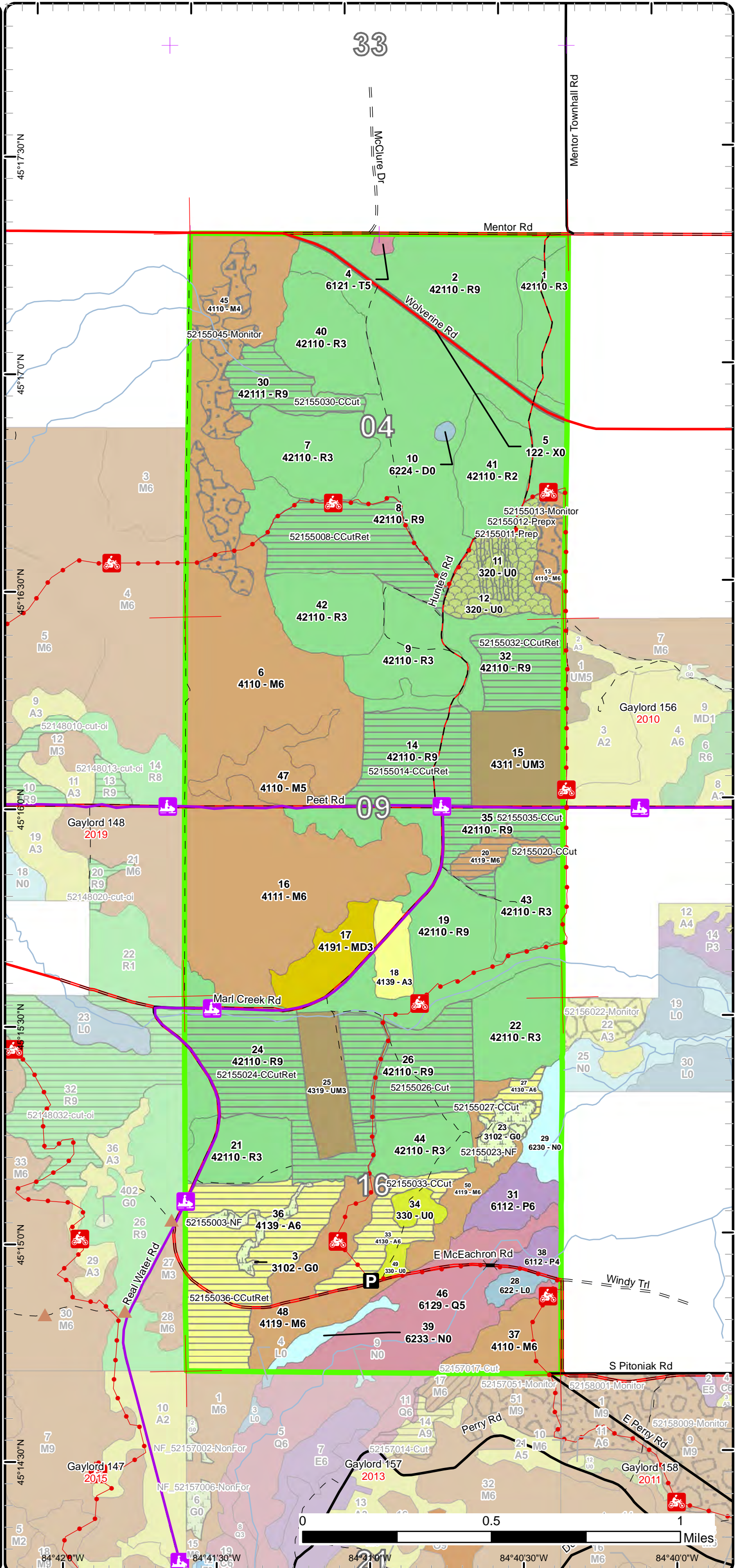
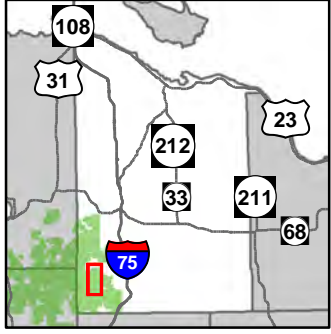
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

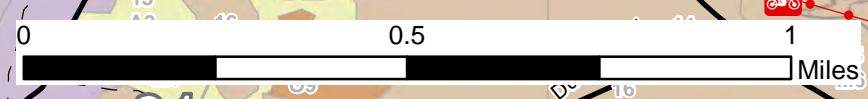
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 155
 T33N R03W Sec. 4, 9, 16
 County: Cheboygan
 Unit: Gaylord
 Mgmt Area: Chandler Hills
 YOE: 2018
 Acres: 1927 GIS Calculated
 Examiner: Donald Stacks
 Map Revised: 9/26/2016
 Map Phase: Post Review



- Miris Corners
- + Remonumented Section Corners
- ▲ Berms
- X Bridges
- P Parking Lot
- Motorcycle Trails (DNR License)
- Snowmobile Trails
- Designated Motorcycle Trail
- Designated Snowmobile Trails
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- - Poor Dirt Roads
- County Poor Dirt Roads
- Rivers
- Compartment Boundary
- S Site Prep
- C Clearcut (w/Reserves)
- O Other Treatment - See Comments
- R Regeneration Survey
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 430 - Upland Mixed Fores
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low Density Trees
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



45°17'30"N, 45°17'0"N, 45°16'30"N, 45°16'0"N, 45°15'30"N, 45°15'0"N, 45°14'30"N, 45°14'0"N
 84°42'0"W, 84°41'30"W, 84°41'0"W, 84°40'30"W, 84°40'0"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	15	0	0	0	0	0	85	22	0	0	0	0	0	0	0	0	0	122
Herbaceous Openland	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Low-Density Trees	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Lowland Aspen/Balsam Poplar	0	0	0	0	18	0	0	9	0	0	0	0	0	0	0	0	0	0	27
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	78
Lowland Shrub	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Marsh	23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Mixed Upland Deciduous	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Northern Hardwood	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	0	0	501	515
Red Pine	0	0	351	0	0	0	0	0	78	562	0	0	0	0	0	0	0	0	991
Tamarack	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Treed Bog	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Mixed Forest	0	0	0	67	0	0	0	0	0	0	0	0	0	0	0	0	0	0	67
Upland Shrub	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	101	15	377	67	18	0	0	108	100	562	2	0	0	0	0	0	0	579	1928



Report 2 – Treatment Summary

Gaylord Mgt. Unit

Year of Entry: 2018

Acres of Harvest

Compartment 155

Total Compartment Acres: 1,927

Commercial Harvest - 416
 Harvests with Site Condition - 0
 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	106	0	0	0	0	0	0	0	0	106
Northern Hardwood	11	0	0	0	0	0	0	0	0	11
Red Pine	298	0	0	0	0	0	0	0	0	298
Total	416	0	0	0	0	0	0	0	0	416

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	416	30	0	0	0	14	0	16		477
Next Step	0	149	179	0	0	179	641	0	0	1149
Total	416	179	179	0	0	179	656	0	16	1626



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
3	52155003-NF	7.3	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Plant hard or soft mast. .

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

8	52155008- CCutRet	53.0	42110 - Planted Red Pine	Sawtimber Well	83	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CUT ALL TREES 2" AND LARGER AT DBH EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. POST-HARVEST MO WILL BE NORTHERN HARDWOOD/ASPEN MIX. WINTER ACCESS TO THE SALE AREA WILL BE BY HUNTERS RD BECAUSE OF THE SNOWMOBILE TRAIL LOCATED ON PEET RD. PROTECT CYCLE TRAIL DURING HARVEST. DO NOT CUT TREES OR DAMAGE SIGN POST WITH TRAIL MARKERS ATTACHED. CYCLE TRAIL MUST REMAIN FREE OF SLASH AND RUTS FROM EQUIPMENT AT ALL TIMES. NW CORNER OF THIS STAND, WEST OF THE CYCLE TRAIL, WILL BE LEFT UNHARVESTED AS LONG-TERM RETENTION. ALSO, ONE UNCUT RETENTION ISLAND ABOUT 1 ACRE IN SIZE WILL BE LEFT IN THE CENTER OF THE HARVEST AREA. MARK 4 - 8 RED PINE TREES TO BE LEFT UNCUT FOR AESTHETICS.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A mix of northern hardwood/aspens regen.

Regen:

Other Mature, large diameter red pine. Final harvest this YOE. Northern hardwood MO.

Comment:

Proposed Start Date: 10/01/2017

11	52155011- Prep	6.6	320 - Upland Shrub	Nonstocked	0	Unspec ified	SitePrep	Trenching	42110 - Planted Red Pine	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Trenching.

Specs:

Next Step Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant

Treatments:

Acceptable Trenching

Regen:

Other

Comment:

Proposed Start Date: 10/01/2016

12	52155012- Prepx	23.6	320 - Upland Shrub	Nonstocked	0	Unspec ified	SitePrep	Trenching	42110 - Planted Red Pine	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription Trenching

Specs:

Next Step Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant

Treatments:

Acceptable Trenching. Planting red pine.

Regen:

Other

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
13	52155013- Monitor	14.4	4110 - Sugar Maple Association	Poletimber Well	61	51-80	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Two-Aged	Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Monitor northern hardwood regen.

Specs:

Next Step

Treatments:

Acceptable A mix of northern hardwood.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2020

14	52155014- CCutRet	49.5	42110 - Planted Red Pine	Sawtimber Well	83	81-110	Harvest	Clearcut with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CUT EVERYTHING 2" AND LARGER AT DBH EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. POST-HARVEST MO WILL BE NORTHERN HARDWOOD/ASPEN MIX. WINTER ACCESS FROM HUNTERS RD ONLY BECAUSE OF SNOWMOBILE TRAIL LOCATED ON PEET RD. CUT STUMPS FLUSH WITH THE GROUND FOR TREES FELLED WITHIN 10' OF THE SNOWMOBILE TRAIL. POST LOGGING SIGNS ON THE SNOWMOBILE TRAIL AS NEEDED. DO NOT CUT TREES WITH TRAIL MARKERS ATTACHED OR DAMAGE TRAIL MARKERS ON POSTS. AN UNCUT RETENTION AREA WILL BE LEFT BETWEEN THE NORTH BOUNDARY OF THE HARVEST AREA AND STAND 9. ALSO, PLACE ONE UNHARVESTED RETENTION ISLAND OF ABOUT 1 ACRE IN SIZE IN THE CENTER OF THE HARVEST AREA. MARK 4 - 8 RED PINE TREES TO BE LEFT UNHARVESTED FOR AESTHETICS.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A mix of northern hardwood and aspen species.

Regen:

Other Monitor hardwood/aspen regen after harvest.

Comment:

Proposed Start Date: 10/01/2017

20	52155020- CCut	11.1	4119 - Mixed Northern Hardwoods	Poletimber Well	74	111- 140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription FINAL HARVEST THIS STAND, ALONG WITH STAND 35, CUTTING ALL TREES 2" AND GREATER AT DBH, EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. SMALL ACREAGE STAND. NO UNHARVESTED RETENTION ISLANDS WILL BE NEEDED. MARK A FEW BLACK CHERRY TO LEAVE UNHARVESTED FOR MAST. MARK TO LEAVE 3 - 6 RED PINE FOR AESTHETICS. NON-WINTER CUT DUE TO THE DESIGNATED SNOWMOBILE TRAIL WILL BE USED TO ACCESS THE SALE AREA.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable A MIX OF N. HARDWOOD AND ASPEN.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017



Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
23	52155023-NF	8.9	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription Mow, plant, brush, burn, or herbicide to maintain opening. Plant hard or soft mast.

Specs:

Next Step Monitoring, Other - Specify

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/01/2017

24	52155024-CCutRet	64.5	42110 - Planted Red Pine	Sawtimber Well	83	111-140	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription CUT ALL TREES 2" AND LARGER AT DBH EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. TOPS AND LIMBS LARGER THAN 4" OF TREES HARVESTED WILL NEED TO BE CHIPPED TO ALLOW FOR TRENCHING AND PLANTING TO OCCUR. LEAVE THE AREA NORTH OF MARL CR. RD, AND WEST OF REAL WATER RD. AS LONG-TERM RETENTION AREAS, AND ONE UNCUT RETENTION ISLAND IN THE MIDDLE OF THE STAND SOUTH OF MARL CR. RD., ABOUT .7 - 1 ACRE IN SIZE. PROTECT CYCLE TRAIL DURING HARVEST. THE CYCLE TRAIL NEEDS TO REMAIN FREE OF SLASH AND RUTS AT ALL TIMES. SIGNS NEED TO BE POSTED TO WARN OF LOGGING ACTIVITY. DO NOT CUT TREES WITH TRAIL MARKERS ATTACHED. DO NOT DAMAGE SIGN POSTS. STUMPS SHOULD BE CUT FLUSH WITH THE GROUND WHEN FELLED TREES ARE WITHIN 10' OF THE SNOWMOBILE TRAIL. NON-WINTER HARVEST ONLY BECAUSE ACCESS TO SALE AREA IS OBTAINED BY SNOWMOBILE TRAIL.

Next Step Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, Artificial Regen(3yr); SitePrep, Trenching

Treatments:

Acceptable WELL-STOCKED RED PINE SEEDLINGS.

Regen:

Other NEXT STEPS INCLUDE TRENCHING, PLANTING, AND POSSIBLE HERBICIDE APPLICATION.

Comment:

Proposed Start Date: 10/01/2017

26	52155026-Cut	55.7	42110 - Planted Red Pine	Sawtimber Well	83	111-140	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription MATURE RED PINE SAWTIMBER. CONTRACT AND FIELD WORK FOR FINAL HARVEST FOR THIS STAND WAS PREPARED IN 2013.

Specs: TRENCH AND RE-PLANT TO RED PINE. MOST LIKELY WILL NEED AN AERIAL HERBICIDE APPLICATION TO HELP RELEASE SEEDLING FROM VEGETATIVE COMPETITION IN A COUPLE YEARS. RETENTION AREA WAS LEFT ADJACENT TO THE CYCLE TRAIL. TRAIL WILL BE PROTECTED AND SIGNED DURING ACTIVE HARVEST ACTIVITIES.

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Treatments:

Acceptable Well stocked planted RP.

Regen:

Other This treatment was recreated in the database for proper activity tracking to occur (DH).

Comment:

Proposed Start Date: 10/01/2007



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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
27	52155027-CCut	6.2	4130 - Aspen	Poletimber Well	69	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription FINAL HARVEST THIS YO. HARVEST THIS STAND WITH STANDS 33 AND 36 TO THE WEST. CUT EVERYTHING 2" AND LARGER AT DBH EXCEPT BLACK CHERRY AND INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. NO UNHARVESTED RETENTION ISLANDS WILL BE LEFT BECAUSE OF THE SMALL SIZE OF THIS STAND. MARK AND LEAVE 2 OR 3 TREES TO BE FELLED AND LEFT INTACT TO SERVE AS GROUSE DRUMMING LOGS. WINTER ACCESS TO THIS STAND WILL BE BY WAY OF McEACHRON RD. BECAUSE OF THE SNOWMOBILE TRAIL THAT EXISTS ON PEET, MARL CREEK, AND REAL WATER ROADS.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: PRIMARILY WELL-STOCKED ASPEN WITH LESSER AMOUNTS OF MIXED NORTHERN HARDWOOD.

Other Comment:

Proposed Start Date: 10/01/2017

30	52155030-CCut	24.6	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	83	81-110	Harvest	Clearcut	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription HARVEST ALL TREES 2" AND LARGER AT DBH EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. MARK ABOUT 6 - 8 RED PINE TREES TO LEAVE UNHARVESTED FOR AESTHETICS IN THE SALE AREA. NO UNCUT RETENTION ISLANDS WILL BE LEFT DUE TO THE RELATIVELY SMALL ACREAGE OF THE HARVESTED SALE AREA.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable Regen: A mix of northern hardwood species.

Other Comment: MONITOR POST-HARVEST HARDWOOD REGEN.

Proposed Start Date: 10/01/2017

32	52155032-CCutRet	28.9	42110 - Planted Red Pine	Sawtimber Well	83	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 HARVEST ALL TREES 2" AND LARGER AT DBH EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. TOPS AND LIMBS LARGER THAN 4" WILL NEED TO BE CHIPPED TO ALLOW FOR TRENCHING AND PLANTING TO OCCUR. THE AREA ALONG THE NORTH EDGE OF THE HARVEST AREA TO STAND 12, AND THE AREA FROM THE WEST EDGE OF THE HARVEST AREA TO HUNTERS RD. WILL BE USED AS LONG-TERM RETENTION AND WILL NOT BE HARVESTED. NO UNHARVESTED RETENTION ISLANDS WILL LEFT WITHIN THE HARVEST AREA BECAUSE OF THE RELATIVELY SMALL ACREAGE THAT EXISTS THERE. PROTECT THE CYCLE TRAIL THAT EXISTS ALONG THE EAST BOUNDARY OF THE TIMBER SALE AREA. DO NOT CUT TREES OR DAMAGE SIGN POSTS WITH TRAIL MARKERS ATTACHED. THE TRAIL MUST BE KEPT FREE OF SLASH AND RUTS FROM EQUIPMENT AT ALL TIMES. SIGNS MUST BE PLACED AT EACH END OF THE TRAIL, BEFORE ENTERING THE SALE AREA, TO ALERT RIDERS TO THE LOGGING ACTIVITY IN PROGRESS.

Next Step Pesticide, Aerial; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Initial Plant; SitePrep, Trenching
Treatments:

Acceptable Regen: PLANTED RED PINE.

Other Comment: NEXT STEPS INCLUDE TRENCHING, PLANTING, AND POSSIBLE HERBICIDE APPLICATION.

Proposed Start Date: 10/01/2017



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
33	52155033-CCut	22.1	4130 - Aspen	Poletimber Well	71	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Cut all trees 2" and larger at DBH, except black cherry and incidental hemlock, white pine, and oak. No un-cut retention islands will be left because of the relatively small size of the stand. Protect and sign cycle trail during harvest activities. Cycle trail needs to remain free of slash at all times. Mark 3 - 6 trees to be felled and left in tact for grouse drumming logs. McEachron Rd. will be used for winter access due to the designated snowmobile trail that exists on Peet, Marl Creek, and Real Water roads.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable A mix of aspen/northern hardwood.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

35	52155035-CCut	22.2	42110 - Planted Red Pine	Sawtimber Well	88	111-140	Harvest	Clearcut	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription CUT EVERYTHING 2" AND LARGER AT DBH EXCEPT INCIDENTAL HEMLOCK, WHITE PINE, AND OAK. POST-HARVEST MO WILL BE NORTHERN HARDWOOD/ASPEN MIX. NON-WINTER HARVEST ONLY BECAUSE OF SNOWMOBILE TRAIL ACCESS. CUT STUMPS FLUSH WITH THE GROUND FOR TREES FELLED WITHIN 10' OF THE SNOWMOBILE TRAIL. DO NOT CUT TREES WITH TRAIL MARKERS ATTACHED OR DAMAGE TRAIL MARKERS ON POSTS. PROTECT CYCLE TRAIL DURING HARVEST. CYCLE TRAIL MUST REMAIN FREE OF SLASH AND RUTS FROM EQUIPMENT AT ALL TIMES. NO UNCUT RETENTION ISLANDS WILL BE LEFT BECAUSE OF RELATIVELY SMALL SIZE OF HARVEST AREA. MARK 5 - 10 RED PINE TREES TO BE LEFT UNCUT FOR AESTHETICS. ADJACENT STAND 20 WILL ALSO BE A FINAL HARVEST WITH A HARDWOOD/ASPEN MO, AND WILL BE INCLUDED IN THE SALE AREA.

Next Step Monitoring, Natural Regen (Intermediate)
Treatments:

Acceptable A MIX OF NORTHERN HARDWOOD/ASPEN REGEN.
Regen:

Other MONITOR HARDWOOD REGEN AFTER HARVEST.
Comment:

Proposed Start Date: 10/01/2017

36	52155036-CCutRet	77.9	4139 - Aspen, Mixed Deciduous	Poletimber Well	68	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Habitat Cut: No

Site Condition:

Prescription Cut all trees 2" and larger at DBH except incidental black cherry, hemlock, white pine, and oak. Leave 2 un-harvested retention islands. Mark 3 - 6 trees to be felled and left intact for grouse drumming logs. McEachron Rd. will be the only winter access road because of the designated snowmobile trail that exists on Real Water, Marl Creek, and Peet Rds. Post-harvest MO will consist of well-stocked stand of mixed aspen/northern hardwood. No harvest equipment or decking of timber will be allowed on the wildlife opening.

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

Acceptable A moderate to well-stocked mix of aspen/northern hardwood.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2017

Total Treatment Acreage Proposed: 476.5

Report 4 – Site Conditions

Gaylord Mgt. Unit
Donald Stacks : Examiner

Compartment: 155
Year of Entry: 2018

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5C	2G	3J	5E
		With Condition	Not Available					
122	121	0	0	Aspen				0
18	17	0	2	Herbaceous Openland				2
11	11	0	0	Low-Density Trees				
27	18	0	9	Lowland Aspen/Balsam Poplar			9	
78	0	0	78	Lowland Conifers			78	
6	6	0	0	Lowland Shrub				
23	23	0	0	Marsh				
26	26	0	0	Mixed Upland Deciduous				
515	515	0	0	Northern Hardwood				
992	646	291	55	Red Pine	291			55
2	0	0	2	Tamarack		2		
1	1	0	0	Treed Bog				
67	67	0	0	Upland Mixed Forest				
33	31	0	3	Upland Shrub	0			3
6	6	0	0	Urban				
1,927	1,488	291	148	Total Forested Acres	291	2	87	59
	77%	15%	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)	78	2G: Too wet (sensitive soils, does not include access issues)	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified
Comments:							
2	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	4A: No Markets Available for these Forest Products	3D: Recreational / Scenic values	Unspecified	Unspecified
Comments:							
5	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
8	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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10	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	124	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	89	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	5E: Long-Term Retention	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	5E: Long-Term Retention	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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18	Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Unavailable	5E: Long-Term Retention	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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	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:
1	42110 - Planted Red Pine	Sapling Well	30.3	14	Immature	ORIGINAL RED PINE STAND WAS CLEAR CUT IN 1999. AERIAL HERBICIDE APPLICATION IN AUGUST 2002. HAND PLANTED TO RED PINE SPRING 2003. STAND IS CURRENTLY FAIRLY WELL STOCKED, WITH A FEW MINOR SPARSE AREAS. SAPLINGS SHOWING GOOD GROWTH RATES AND ARE 5-12' IN HEIGHT. E1/2 HAS BETTER STOCKING THAN THE WEST 1/2 OF THE STAND.
2	42110 - Planted Red Pine	Sawtimber Well	78.4	79	81-110	LARGE, MATURE RED PINE SAWTIMBER AND UTILITY POLES, LYING BETWEEN WOLVERINE RD. AND MENTOR RD. READY FOR HARVEST, ADACENT TO WELL-TRAVELED COUNTY ROAD, AETHETICS MAJOR CONSIDERATION. STAND TO EAST WAS CLEARCUT IN 1999 AND HAS 5 - 12 FEET RED PINE SAPLINGS PLANTED PRESENTLY. HOLD THIS STAND 10 YEARS BEFORE TREATMENT CONSIDERING ALL THE RECENT ACTIVITY IN THIS COMPARTMENT. THIS STAND ALSO MIGHT BE A GOOD ONE TO LEAVE, AT LEAST SOME BASAL AREA IN LARGE PINES BECAUSE OF VISIBILITY.
4	6121 - Tamarack	Poletimber Medium	1.8	96	51-80	SMALL STAND OF TAMARACK OVER LOWLAND SHRUBS ON LOWER, POORLY DRAINED GROUND. BEAVER ACTIVITY PRESENTLY. ADJACENT TO MENTOR RD. LIMITING FACTORS PRESENT.
6	4110 - Sugar Maple Association	Poletimber Well	185.9	86	81-110	NORTHERN HARDWOOD POLETIMBER STAND, MOSTLY SUGAR MAPLE AND BASSWOOD, ON ROLLING HILLS. LESSER AMOUNTS OF SAWLOG TREES PRESENTLY. MANY MULTIPLE STEMS FROM STUMP SPROUTS. LOWER B.A. AT PRESENT (84 SQ. FT.). POSSIBLE THINNING IN 20 YEARS.
7	42110 - Planted Red Pine	Sapling Well	44.0	14	Immature	STAND WAS CLEAR CUT IN 1999. AERIAL HERBICIDE APPLICATION IN AUGUST 2002. HAND PLANTED TO RED PINE SPRING 2003. STAND IS WELL-STOCKED, WITH A FEW SPARSE AREAS. SEEDLINGS SHOWING GOOD GROWTH RATES.
8	42110 - Planted Red Pine	Sawtimber Well	186.1	83	81-110	COMMERCIALY MATURE RED PINE SAWTIMBER STAND. PORTIONS OF THIS STAND HAVE BEEN FINAL HARVESTED IN THE LAST TWO ENTRY YEARS AND RE-PLANTED TO RED PINE. FINAL HARVEST THE SOUTHERNMOST PORTION OF THE STAND, ADJACENT TO STANDS 9 AND 42. NORTHERN HARDWOOD WILL BE THE POST-HARVEST MO.
9	42110 - Planted Red Pine	Sapling Well	38.0	11	Immature	STAND WAS CLEARCUT IN 1999. PRESCRIBED BURN SPRING 2003. WAS TRENCHED IN FALL OF 2005. RED PINE SEEDLINGS PLANTED MAY 2006. STAND RECEIVED AN AERIAL HERBICIDE APPLICATION IN 2008. SAPLINGS ARE CURRENTLY 4-8' IN HEIGHT. SOME SPARSE AREAS ARE PRESENT WITHIN THE STAND, BUT STAND IS FAIRLY WELL-STOCKED. SCATTERED PIN CHERRY ALSO PRESENT.
13	4110 - Sugar Maple Association	Poletimber Well	14.4	61	51-80	NORTHERN HARDWOOD POLETIMBER STAND. RED PINE SAWTIMBER WAS REMOVED IN 2016. CURRENT BA IS ABOUT 50 SQ. FT. OF MIXED NORTHERN HARDWOOD. DENSE HARDWOOD REGEN ALREADY PRESENT. MONITOR HARDWOOD REGEN.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
14	42110 - Planted Red Pine	Sawtimber Well	55.6	83	81-110	MATURE, LARGE DIAMETER RED PINE. HEAVY HARDWOOD REGEN. FINAL HARVEST THIS YOE. NORTHERN HARDWOOD MO.
15	4311 - Pine, Aspen Mix	Sapling Well	40.1	27	Immature	YOUNG STAND OF MIXED PLANTED RED PINE, ASPEN, SUGAR MAPLE, AND JACK PINE WHICH SPROUTED AFTER 1990 HARVEST. MUCH OF THE PLANTED RED PINE FAILED. LET THIS DEVELOP AS A MIXED STAND. FINAL HARVEST IN ABOUT 30 YEARS.
16	4111 - S.Maple, Hard Mast Association	Poletimber Well	134.6	81	81-110	MIXED N. HARDWOOD POLETIMBER AND BOLTWOOD, MOSTLY SUGAR MAPLE AND BASSWOOD, ON ROLLING HILLS. SCATTERED RED PINE SAWTIMBER PRESENT. A SMALL AMOUNT OF RED OAK IS PRESENT IN THE SW CORNER OF THE STAND. LOWER BA PRESENTLY (92 SQ. FT.). POSSIBLE TREATMENT IN ABOUT 20 YEARS.
17	4191 - Mixed Upland Deciduous with Conifer	Sapling Well	26.0	19	Immature	STAND IS A FAILED RED PINE PLANTATION FROM A 1998 FINAL HARVEST. RED PINE WAS OUTCOMPETED BY MIXED HARDWOOD AND ASPEN. MANAGE AS A MIXED STAND.
18	4139 - Aspen, Mixed Deciduous	Sapling Well	15.2	8	Immature	MIX OF ASPEN/NORTHERN HARDWOOD SAPS FROM FINAL HARVEST COMPLETED 10/2009. UPLAND BRUSH PRESENT ALSO. ADJACENT TO MARL CREEK RD. REGEN IS ADEQUATE.
19	42110 - Planted Red Pine	Sawtimber Well	88.7	88	111-140	MATURE RED PINE SAWTIMBER. LEAVE THE MAJORITY OF THIS STAND IN LARGE RED PINE FOR DIVERSITY AND AESTHETICS. THREE RED PINE STANDS ADJACENT TO THIS ONE HAVE BEEN HARVESTED WITHIN THE LAST 17 YEARS. DESIGNATED SNOWMOBILE TRAIL RUNS THROUGH STAND. FINAL HARVEST THE NE PORTION OF THIS STAND WITH STAND 20 THIS YOE. NORTHERN HARDWOOD/ASPEN MO.
20	4119 - Mixed Northern Hardwoods	Poletimber Well	11.1	74	111-140	SMALL STAND OF LESSER QUALITY HARDWOOD POLETIMBER/BOLTWOOD GROWING WHERE PLANTED RED PINE MORTALITY OCCURRED. SCATTERED QUAKING ASPEN PRESENT ALSO. POST-HARVEST MO WILL BE A MIX OF HARDWOOD/ASPEN.
21	42110 - Planted Red Pine	Sapling Well	30.4	15	Immature	STAND WAS CLEAR CUT IN 1998, BURNED IN SUMMER 2000, HERBICIDED, TRENCHED 2001, AND HANDPLANTED RED PINE SEEDLINGS IN 2002. ANOTHER HERBICIDE APPLICATION TOOK PLACE SEPTEMBER 2004. STAND IS WELL-STOCKED. GOOD SAPLING GROWTH RATES. SAPS ARE 8-16' IN HEIGHT.
22	42110 - Planted Red Pine	Sapling Well	39.7	15	Immature	STAND WAS CLEAR CUT IN 1998, BURNED IN SUMMER 2000, HERBICIDED, TRENCHED IN 2001, AND HAND PLANTED RED PINE SEEDLINGS IN 2002. ANOTHER HERBICIDE APPLICATION TOOK PLACE SEPTEMBER 2004. STAND IS WELL-STOCKED. GOOD GROWTH RATES ON SAPLINGS WHICH ARE CURRENTLY 6-16' IN HEIGHT.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	42110 - Planted Red Pine	Sawtimber Well	81.4	83	111-140	MATURE RED PINE SAWTIMBER. FINAL HARVEST THIS STAND WITH A RED PINE MO.
25	4319 - Mixed Upland Forest	Sapling Well	26.6	25	Immature	YOUNG, MIXED STAND CONSISTING OF RED PINE PLANTED IN 1992, WITH MIXED NORTHERN HARDWOOD AND ASPEN FILLING IN WHERE RED PINE SEEDLING MORTALITY OCCURRED. RED PINE NOW 6 - 20' TALL. MANAGE AS A MIXED STAND, FINAL HARVEST IN ABOUT 30 YEARS. POST-HARVEST MO WOULD MOST LIKELY BE A MIXED STAND OF HARDWOOD/ASPEN.
26	42110 - Planted Red Pine	Sawtimber Well	57.4	83	111-140	MATURE RED PINE SAWTIMBER PRESENTLY UNDER CONTRACT FOR FINAL HARVEST FROM 2013 Y.O.E. TRENCH AND RE-PLANT TO RED PINE. MOST LIKELY WILL NEED AN AERIAL HERBICIDE APPLICATION TO HELP RELEASE SEEDLING FROM VEGETATIVE COMPETITION IN A COUPLE YEARS.
27	4130 - Aspen	Poletimber Well	6.2	69	81-110	SMALL STAND OF MIXED ASPEN AND SCATTERED N. HARDWOOD ON HIGHER GROUND. ASPEN IS MATURE AND SHOWING SOME LOSS OF VIGOR. MANAGE STAND FOR ASPEN.
30	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	24.6	83	81-110	COMMERCIALY MATURE RED PINE SAWTIMBER STAND. THIS STAND WILL BE FINAL HARVESTED WITH A POST-HARVEST MO OF NORTHERN HARDWOOD.
31	6112 - Lowland Aspen	Poletimber Well	18.2	35	51-80	Young, moderately-stocked quaking aspen poletimber from 1982 final harvest. on poorly drained soil. Continue to manage this stand for aspen. Final harvest in about 20 - 30 years.
32	42110 - Planted Red Pine	Sawtimber Well	45.5	83	81-110	MATURE RED PINE. HEAVY HARDWOOD REGEN. FINAL HARVEST THIS STAND THIS YOE. POST-HARVEST MO WILL BE PLANTED RED PINE. THIS STAND WAS PREVIOUSLY PART OF STAND 14.
33	4130 - Aspen	Poletimber Well	22.1	71	81-110	Stand consists of mostly mature and over-mature BTA, with lesser amounts of quaking aspen, sugar maple, basswood, and red maple poletimber present. Cycle trail runs through this stand. Manage this stand for aspen. Final harvest this stand this YOE before significant loss of stem vigor occurs.
35	42110 - Planted Red Pine	Sawtimber Well	22.2	88	111-140	MATURE RED PINE SAWTIMBER, WITH SCATTERED MIXED ASPEN/HARDWOOD POLETIMBER. TEN YEAR OLD R3 STAND ADJACENT TO THE SE. DESIGNATED SNOWMOBILE TRAIL RUNS ALONG THE NORTH AND WEST SIDES OF THE STAND. FINAL HARVEST THIS STAND WITH STAND 20 THIS YOE. NORTHERN HARDWOOD/ASPEN MO.
36	4139 - Aspen, Mixed Deciduous	Poletimber Well	78.4	68	81-110	Stand consists of a mix of mature and overmature mixed aspen and lesser quality hardwood poletimber, mostly basswood. Aspen showing signs of decline. Final harvest this stand this YOE before there is increased loss of vigor and mortality. Manage stand for aspen, with a lesser component of mixed northern hardwood.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
37	4110 - Sugar Maple Association	Poletimber Well	28.3	76	51-80	LOWER STOCKED, NORTHERN HARDWOOD POLETIMBER, MOSTLY SUGAR MAPLE, ON NORTH AND WEST FACING SLOPE. NEEDS TO DEVELOP. HEAVY ADVANCED HARDWOOD REGEN THROUGHOUT STAND. NUMEROUS RECENT HARVESTING TO THE SOUTH OF THIS STAND IN ADJACENT COMPARTMENT. POSSIBLE TREATMENT IN 20 YEARS.
38	6112 - Lowland Aspen	Poletimber Poor	8.9	61	1-50	Small stand of sparse, low volume quaking aspen poletimber adjacent to West Branch Sturgeon River, on poorly drained soil. Scattered balsam fir present also. Protect quality of adjacent cold water stream. Let stand convert to swamp conifers over time.
40	42110 - Planted Red Pine	Sapling Well	40.5	11	Immature	RED PINE FINAL HARVEST COMPLETED IN FALL 2004. ALL TOPS CHIPPED. SALE AREA WAS TRENCHED IN FALL 2005. RED PINE SEEDLINGS PLANTED MAY 2006. STAND RECEIVED AERIAL HERBICIDE APPLICATION 8/26/08. STAND IS FAIRLY WELL-STOCKED BUT THERE ARE A FEW AREAS OF SPARSE GROWTH. SEEDLINGS HAVE SHOWN GOOD GROWTH RATES.
41	42110 - Planted Red Pine	Sapling Medium	37.1	11	Immature	RED PINE FINAL HARVEST COMPLETED 6/2005. SALE AREA WAS TRENCHED FALL 2005. RED PINE SEEDLINGS PLANTED MAY 2006. STAND RECEIVED AN AERIAL HERBICIDE APPLICATION 8/26/2008. A SIGNIFICANT AMOUNT OF SEEDLINGS DID NOT SURVIVE THE INITIAL PLANTING WHICH RESULTED IN THE STAND BEING SOMEWHAT UNDER-STOCKED. EXISTING SAPLINGS SHOW GOOD GROWTH RATES AND ARE 4-8' IN HEIGHT.
42	42110 - Planted Red Pine	Sapling Well	37.2	11	Immature	RED PINE FINAL HARVEST COMPLETED 6/2005. SALE AREA WAS TRENCHED FALL 2005. RED PINE SEEDLINGS PLANTED MAY 2006. STAND RECEIVED AN AERIAL HERBICIDE APPLICATION 8/26/08. FAIRLY WELL-STOCKED STAND WITH A FEW LESSER STOCKED AREAS. GOOD GROWTH RATES ON SAPLINGS, WHICH ARE 4-8' IN HEIGHT.
43	42110 - Planted Red Pine	Sapling Well	28.1	11	Immature	RED PINE FINAL HARVEST COMPLETED 10/2004, TRENCHED IN FALL 2005. RED PINE SEEDLINGS PLANTED MAY 2006. STAND RECEIVED AERIAL HERBICIDE APPLICATIONS IN 2008 AND 2011. STAND IS RELATIVELY WELL-STOCKED, WITH A FEW SPARSE AREAS PRESENT. SAPLINGS HAVE SHOWN GOOD GROWTH RATES AND ARE 4-8' IN HEIGHT.
44	42110 - Planted Red Pine	Sapling Well	26.2	11	Immature	PLANTED RED PINE SEDLINGS. RED PINE FINAL HARVEST COMPLETED 10/2004. TRENCHED IN FALL 2005. RED PINE SEEDLINGS PLANTED MAY 2006. STAND RECEIVED AERIAL HERBICIDE APPLICATIONS IN 2008 AND 2011. STAND IS FAIRLY WELL-STOCKED. GOOD SAPLING GROWTH RATES, SAPS ARE 5-12' IN HEIGHT. SOME SPARSE AREAS PRESENT ALSO.
45	4110 - Sugar Maple Association	Poletimber Poor	45.8	84	1-50	Lesser stocked stand of northern hardwood poletimber following red pine removal harvest completed in March 2010. Dense hardwood understory in places. Continue to let this understory develop.

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Report 7 – Forested Stands

Compartment: 155
Year of Entry: 2018

	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
46	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	77.7	87	51-80	MODERATELY STOCKED CONIFER SWAMP WITH W. BRANCH OF STURGEON RIVER FLOWING THROUGH STAND. SOME TIMBER HAS BEEN FLOODED OUT CLOSER TO BEAVER PONDS ADJACENT TO THIS STAND. INOPERABLE DUE TO POORLY DRAINED SOIL. WITH RIVER CLOSE BY, STREAM PROTECTION IS A PRIORITY. STAND WAS EVALUATED FOR SBW SALVAGE BUT WAS NOT PRESCRIBED FOR REASONS LISTED ABOVE IN REMARKS.
47	4110 - Sugar Maple Association	Poletimber Medium	25.3	84	1-50	SOMEWHAT SPARSE N. HARDWOOD POLETIMBER STAND. DENSE HARDWOOD REGEN IN PLACES WHERE RED PINE WAS REMOVED IN 2009. LET UNDERSTORY CONTINUE TO DEVELOP.
48	4119 - Mixed Northern Hardwoods	Poletimber Well	48.8	76	81-110	Stand consists of fair quality mixed northern hardwood. Mostly poletimber with lesser amounts of boltwood and small sawtimber. Scattered quaking aspen also present. Northern hardwood MO in this stand. BA is presently 110 sq. ft. Possible treatment in 10 - 20 years to thin the crown and release crop trees.
50	4119 - Mixed Northern Hardwoods	Poletimber Well	21.0	76	51-80	STAND CONSISTS OF LOWER-STOCKED, MIXED N. HARDWOOD POLETIMBER. SCATTERED SMALL SAWLOG TREES PRESENT. BA IS PRESENTLY 73. POSSIBLE THINNING IN 20 - 30 YEARS.



Stand	Cover Type	Acres	Managed Site	General Comments:
3	3102 - Grass	7.6	Yes	MANAGED WILDLIFE OPENING.
5	122 - Road/Parking Lot	6.5	No	WOLVERINE RD.
10	6224 - Treed Bog	1.5	No	SMALL TREED BOG. A FEW BLACK SPRUCE AND TAMARACK CLUMPED TOGETHER.
11	320 - Upland Shrub	7.7		Final harvest completed 05/03/16. Awaiting trenching, re-planting red pine, herbicide application.
12	320 - Upland Shrub	25.8		RED PINE FINAL HARVEST COMPLETED IN 2016. TRENCH AND RE-PLANT RED PINE SEEDLINGS. AERIAL HERBICIDE IN A COUPLE YEARS TO REDUCE COMPETITION ON NEW RED PINE SEEDLINGS.
23	3102 - Grass	10.5	Yes	MANAGED WILDLIFE OPENING.
28	622 - Lowland Shrub	6.0	No	LOWLAND BRUSH. SLIGHTLY HIGHER GROUND IS ALSO PRESENT IN A FEW PLACES.
29	6230 - Cattail	14.9	No	MARSH.
34	330 - Low-Density Trees	6.9	No	UPLAND BRUSH WITH SPARSE SCATTERED N. HARDWOODS, RED PINE, AND ASPEN POLETIMBER/SAPLINGS ENCROACHING.
39	6233 - Wet Meadow	7.9	No	BEAVER POND
49	330 - Low-Density Trees	4.0	No	UPLAND BRUSH WITH SPARSE SCATTERED N. HARDWOODS, ASPEN, AND RED PINE POLETIMBER/SAPLINGS ENCROACHING.