



Compartment Review Presentation

Atlanta Forest Management Unit

Compartment 54144

Entry Year 2019

Acreage: 1,653

County Presque Isle

Management Area: Cheboygan Basin Moraines

Revision Date: 2017-05-26

Stand Examiner: Darrick Coy

Legal Description:

T35N R02E Sections 10-12,14, and 15

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. Harvests prescribed will help to balance the age classes of aspen and red pine to sustainably produce various timber products, enhance game and non-game wildlife habitat and provide for forest-based recreational uses.

Soil and topography:

Soils are primarily moderate to excessively drained sands. The topography of the compartment is primarily level with some minor areas of rolling terrain. Some steep terrain near and along Cold Creek. The compartment is predominately aspen, jack pine, red pine, and mixed lowland forest cover types. Forest habitat types are primarily dominated by PArVHa, PArVVb, PArVCo, and unclassified lowland.

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

Sections 10 and 15 border the most state land with remaining sections bordering mostly private. The entire compartment receives a large amount of use by recreational users.

Unique Natural Features:

Rare and Endanger Species Present- None known.
Potential Other Rare and Endangered Species Present- Hills Thistle

Archeological, Historical, and Cultural Features:

None known. Contact the state historical preservation office for more information or reporting of new sites.

Special Management Designations or Considerations:

None known.

Watershed and Fisheries Considerations:

Rainy River and Cold Creek

Wildlife Habitat Considerations:

This compartment is an excellent opportunity to manage for wildlife. It is part of a multiple compartment, large scale block of public land providing contiguous wildlife pathways that are necessary for many of our large game animals such as black bear. Habitat components of heavy aspen and pine provide food and cover for multiple species at a variety of age classes. We are working to maintain mast producing trees as well as keep a good age rotation of aspen in this compartment as well as adjacent compartments. Species which benefit from our management include white-tailed deer, black bear, ruffed grouse, woodcock, and many other game and non-game species.

Mineral Resource and Development Concerns and/or Restrictions

There is no metallic mineral potential in this part of the state. An active sand/gravel pit is located approximately two miles to the west, in Section 17, but sand and gravel potential within the compartment appears to be limited. The Dundee and Traverse limestones underlie the glacial sediments beneath the compartment. These formations are quarried for stone in the region but are likely too deeply buried here to have significant economic value and development potential is considered low. This area has seen no drilling for oil and gas. The nearest active production is more than seven miles away. There are currently no active leases on State land. Oil and gas development potential appears to be low.

Vehicle Access:

This compartment is accessed from County Roads: N. Allis Hwy., Roost rd., and Freier Hwy.

Survey Needs:

Some known: the south E-W line of the N1/2NE of section 12.

Recreational Facilities and Opportunities:

There are many opportunities for mushroom picking, hunting, and wildlife viewing in the area.

Fire Protection:

Fire response to the compartment will be covered by the Onaway DNR office as well as the Onaway Fire Department.

Additional Compartment Information:

The following reports from the Inventory are attached:

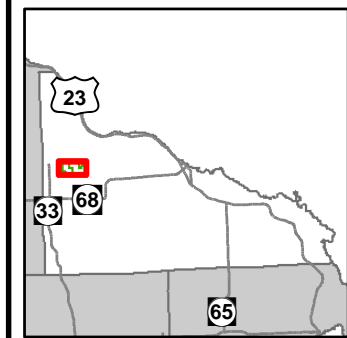
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

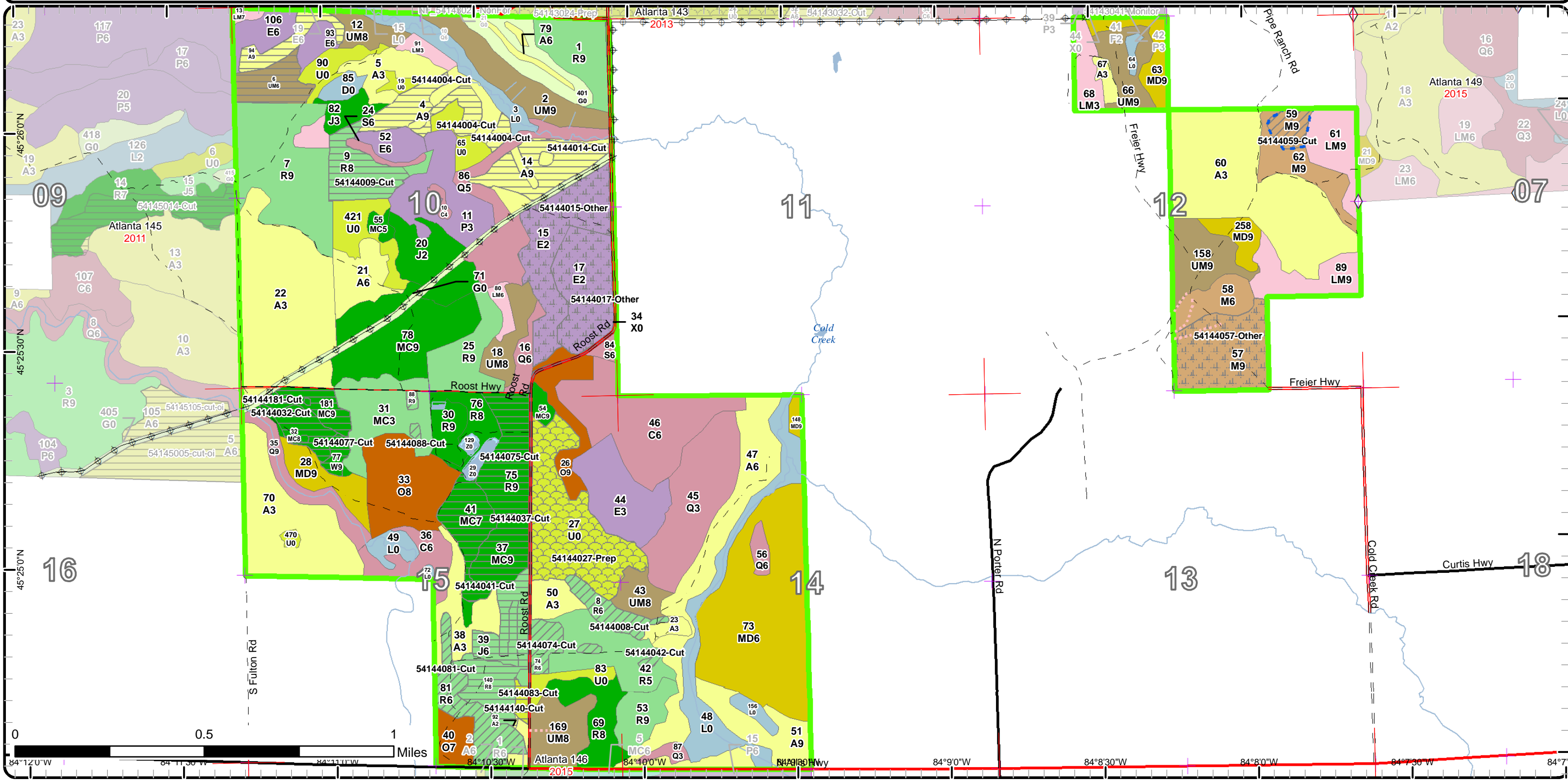
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 144
 T35N, R02E, Sec: 10, 12, 14, 15
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2019
 Acres: 1652.6 GIS Calculated
 Examiner: Darrick Coy
 Map Revised: 10/4/2017
 Map Phase: Post-Review

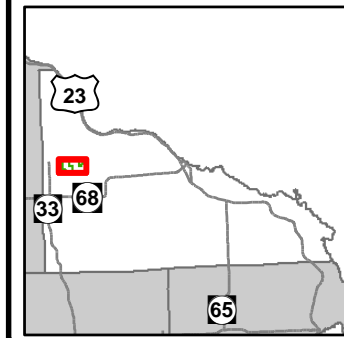


- Miris Corners
- + Remonumented Section Corners
- ◇ Field Grade GPS Corners
- Counties
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Treatments with Site Conditions
- Other Treatment - See Comments
- Clearcut (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Site Prep
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- Lakes

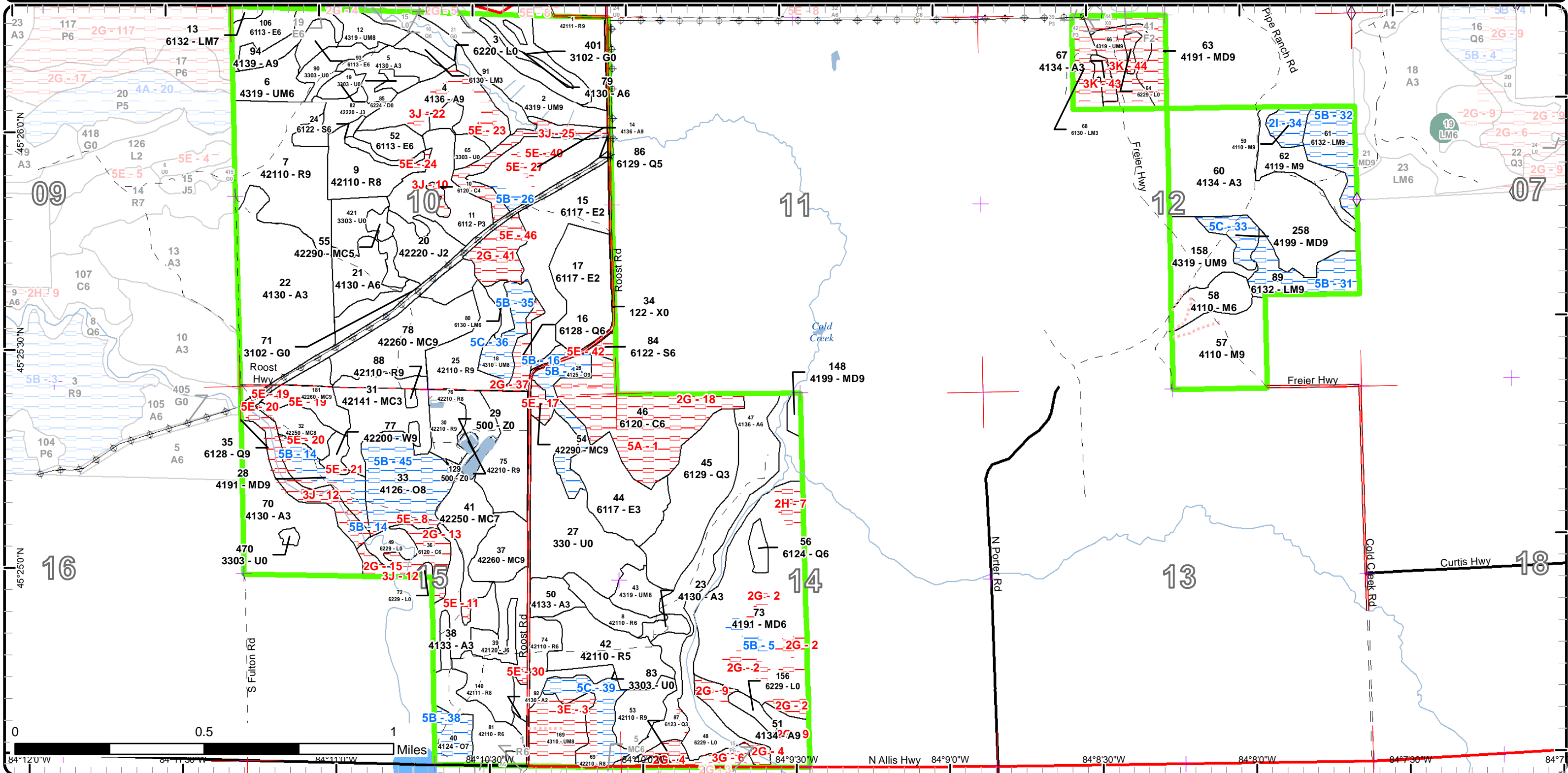


Special Conservation Areas & Site Conditions Map

Compartment: 144
 T35N, R02E, Sec: 10, 12, 14, 15
 County: Presque Isle
 Unit: Atlanta
 Mgmt Area: Cheboygan Basin
 Moraines
 YOE: 2019
 Acres: 1652.6 GIS Calculated
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- Miris Corners
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- Counties
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- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Powerline
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3E: Easement / lease, non-military (e.g. Consumers Power red pine, etc)
- 3G: Other Influence zones - See comments
- 3J: Water quality / BMPs (stream, river, or lake)
- 3K: Rare or unique landforms
- 5A: Not able to obtain desirable regeneration
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Vernal Pool



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	0	96	130	3	66	0	0	34	42	0	0	0	0	0	0	0	0	371
Cedar	0	0	0	0	0	0	0	0	0	0	13	2	46	0	0	0	0	0	61
Herbaceous Openland	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Jack Pine	0	0	20	7	0	0	6	0	0	0	0	0	0	0	0	0	0	0	33
Low-Density Trees	83	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83
Lowland Aspen/Balsam Poplar	0	0	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Lowland Conifers	0	0	0	39	0	3	3	0	0	0	19	0	0	0	0	0	0	25	88
Lowland Deciduous	0	60	0	26	9	5	0	8	0	0	0	0	0	0	0	0	0	0	108
Lowland Mixed Forest	0	0	0	7	13	0	0	0	0	0	35	0	0	0	0	0	0	0	55
Lowland Shrub	56	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	56
Lowland Spruce/Fir	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	4
Mixed Upland Deciduous	0	0	0	0	0	81	0	0	11	2	20	0	0	0	0	0	0	0	114
Natural Mixed Pines	0	0	0	0	0	3	0	39	34	9	0	0	0	0	0	0	0	0	85
Northern Hardwood	0	0	0	0	0	0	12	0	32	20	0	0	0	0	0	0	0	0	64
Oak	0	0	0	0	0	0	0	0	0	0	23	31	0	0	0	0	0	0	54
Planted Mixed Pines	0	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Red Pine	0	0	0	0	0	0	128	2	100	22	0	0	0	0	0	0	0	0	251
Treed Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Upland Mixed Forest	0	0	0	0	0	8	18	14	29	0	42	0	0	0	0	0	0	0	111
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
White Pine	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
Total	187	85	116	234	25	166	170	65	240	95	156	33	46	0	0	0	0	25	1640



Report 2 – Treatment Summary

Atlanta Mgt. Unit

Year of Entry: 2019

Acres of Harvest

Compartment 144

Total Compartment Acres: 1,653

Commercial Harvest - 212
 Harvests with Site Condition - 6
 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	45	0	0	0	0	0	0	0	0	45
Jack Pine	6	0	0	0	0	0	0	0	0	6
Low-Density Trees	2	0	0	0	0	0	0	0	0	2
Natural Mixed Pines	47	0	0	0	0	0	0	0	0	47
Northern Hardwood	0	0	0	0	0	6	0	0	0	6
Red Pine	60	0	0	0	0	37	0	0	0	97
Upland Mixed Forest	12	0	0	0	0	0	0	0	0	12
White Pine	3	0	0	0	0	0	0	0	0	3
Total	175	0	0	0	0	43	0	0	0	218

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	218	45	0	0	0	0	92	0	0	354
Next Step	0	203	118	0	0	282	293	0	0	897
Total	218	248	118	0	0	282	293	92	0	1251



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
4	54144004-Cut	17.6	4136 - Aspen, Mixed Conifer	Sawtimber Well	77	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription -clearcut

Specs:
 -leave 3-10% area retention (already excluded- see site conditions)
 -leave all wp not to exceed 10 BA (should not need to mark)
 -include standard grouse specification

Next Step Monitoring, Natural Regen (Re-Inventary)Treatments:Acceptable -aspen, maple, oak, pine, spruce, and fir of medium to high stockingRegen:OtherComment:Proposed Start Date: 10/01/2018

6	54144006-Cut	12.1	4319 - Mixed Upland Forest	Poletimber Well	74	51-80	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 -clearcut

Specs:
 -leave 3-10% area retention
 -leave all wp not to exceed 10 BA (should not need to mark)

Next Step Monitoring, Natural Regen (Re-Inventary)Treatments:Acceptable -any combination of aspen, maple, oak, pine, spruce, and fir of medium to high stockingRegen:OtherComment:Proposed Start Date: 10/01/2018

8	54144008-Cut	8.7	42110 - Planted Red Pine	Poletimber Well	55	201+	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -3rd row thin

Specs:
 -should not need to mark, rows curve but are well defined

Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2018

9	54144009-Cut	16.1	42110 - Planted Red Pine	Sawtimber Medium	55	81-110	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -clearcut

Specs:
 -leave 3-10% in area retention (already excluded- see site conditions)
 -require low stumps and chip tops

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, ArtificialTreatments: Regen(3yr); SitePrep, Roller ChoppingAcceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022



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
14	54144014-Cut	18.4	4136 - Aspen, Mixed Conifer	Sawtimber Well	84	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription -clearcut

Specs:
 -leave area retention for drainage and cold creek protection (100ft) (already excluded- see site conditions)
 -leave all wp not to exceed 10 BA (should not need to mark)
 -leave the advanced wp subcanopy to the adjacent sw out of the treatment (already excluded- see site conditions)
 -harvest outside of Spring
 -include standard grouse specification

Next Step Monitoring, Natural Regen (Re-Inventory)Treatments:Acceptable -aspen, maple, oak, pine, spruce, and fir of medium to high stockingRegen:OtherComment:Proposed Start Date: 10/01/2018

15	54144015- Other	33.2	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	4	Immature	Other	Other	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -requesting a variance through compartment review to accept a lowland deciduous, mixed coniferous cover type changeSpecs: -the past treatment failed to achieve the black spruce type objectiveNext StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2018

17	54144017- Other	27.1	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	4	Immature	Other	Other	6117 - Lowland Deciduous, Mixed Coniferous	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -requesting a variance through compartment review to accept a lowland deciduous, mixed coniferous cover type changeSpecs: -the past treatment failed to achieve the black spruce type objectiveNext StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2018



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	54144027- Prep	44.9	330 - Low-Density Trees	Nonstocked	0	Unspec ified	SitePrep	Roller Chopping	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription Set back undesirable regenerationSpecs:Next Step Pesticide, AerialTreatments:Acceptable NoneRegen:OtherComment:Proposed Start Date: 08/01/2017

32	54144032-Cut	8.5	42250 - Pine, Oak	Sawtimber Medium	89	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs:

-leave thin area retention along rainy river and within stand (already excluded- see site conditions)

-require low stumps and chip tops

Next Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide,Treatments: Aerial; Monitoring, Artificial Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022

37	54144037-Cut	13.5	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	77	141- 170	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -clearcut-leave 3-10% in area retention -require low stumps and chip topsSpecs:Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, ArtificialTreatments: Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022

39	54144039-Cut	6.0	42120 - Planted Jack Pine	Poletimber Well	55	111- 140	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs:

-leave 3-10% area retention along nw corner to not interfere with planting

-require low stumps and chip tops

Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, ArtificialTreatments: Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022



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
41	54144041-Cut	16.2	42250 - Pine, Oak	Sawtimber Poor	74	1-50	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -leave 3-10% in area retention (already excluded- see site conditions)
-require low stumps and chip topsNext Step SitePrep, Roller Chopping; Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide,
Treatments: Aerial; Monitoring, Artificial Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022

42	54144042-Cut	1.9	42110 - Planted Red Pine	Poetimber Medium	55	81-110	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -3rd row thinSpecs: -should not need to markNext StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2018

57	54144057- Other	31.6	4110 - Sugar Maple Association	Sawtimber Well	76	81-110	Other	Other	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -no additional follow-up work recommendedSpecs: -requesting variance to accept lack of desirable regeneration and allow the stand to develop
-past treatment resulted in extreme browse by deer and was cut as a thinning vs a selection harvest
-current regeneration is primarily ironwood with scattered beech
-no additional follow-up work neededNext StepTreatments:Acceptable -medium to well stocked mix of northern hardwoodsRegen:OtherComment:Proposed Start Date: 10/01/2018

59	54144059-Cut	6.0	4110 - Sugar Maple Association	Sawtimber Well	87	111- 140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition: Survey Needed**Prescription -thin to 80 residual BASpecs: -use opening to sw corner of stand 62 or along rd to the west for landingNext StepTreatments:AcceptableRegen:Other

-could not locate survey corner to the NW and it appears private harvest to the north offset due to no established corners

Comment: -likely need surveyProposed Start Date: 10/01/2018



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
74	54144074-Cut	6.2	42110 - Planted Red Pine	Poletimber Well	55	171-200	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription -3rd row thinSpecs: -should not need to markNext StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2018

75	54144075-Cut	22.1	42210 - Natural Red Pine	Sawtimber Well	88	81-110	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -clearcut-leave 3-10% in area retention -require low stumps and chip topsSpecs:Next Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, ArtificialTreatments: Regen(3yr); SitePrep, Roller ChoppingAcceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022

77	54144077-Cut	3.2	42200 - Natural White Pine	Sawtimber Well	93	111-140	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -leave 3-10% in area retention (already excluded- see site conditions)
-require low stumps and chip topsNext Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, ArtificialTreatments: Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022

81	54144081-Cut	17.9	42110 - Planted Red Pine	Poletimber Well	55	171-200	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**Prescription -3rd row thinSpecs: -should only need to mark the north finger portion where rows are less defined (use a payment unit line split)Next StepTreatments:AcceptableRegen:OtherComment:Proposed Start Date: 10/01/2018



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
83	54144083-Cut	2.2	3303 - Mixed Low Density Trees	Nonstocked		Unspec ified	Harvest	Clearcut	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**

Prescription -clearcut
Specs:

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

Acceptable -fully stocked rp with minor deciduous associates
Regen:

Other -area was previously trenched 55 years ago
Comment:

Proposed Start Date: 10/01/2022

88	54144088-Cut	1.8	42110 - Planted Red Pine	Sawtimber Well	62	171- 200	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription -remove every third row and mark to 100-120 residual BA between the rows
Specs: -add long-term retention site condition back on these pockets once harvest is complete

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

94	54144094-Cut	8.5	4139 - Aspen, Mixed Deciduous	Sawtimber Well	75	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription -clearcut
Specs: -leave 3-10% area retention
-leave all wp not to exceed 10 BA (should not need to mark)
-include standard grouse specification

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

Acceptable -aspen, maple, oak, pine, spruce, and fir of medium to high stocking
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

140	54144140-Cut	21.9	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	55	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Habitat Cut: No**Site Condition:**

Prescription -clearcut
Specs: -leave 3-10% in area retention (already excluded- see site conditions)
-require low stumps and chip tops

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

Acceptable -fully stocked rp with minor deciduous associates
Regen:

Other
Comment:

Proposed Start Date: 10/01/2022



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
181	54144181-Cut	8.7	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	89	141- 170	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary

Habitat Cut: No**Site Condition:**Prescription -clearcutSpecs: -leave 3-10% in area retention (already excluded- see site conditions)
-require low stumps and chip topsNext Step Pesticide, Aerial; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial; Monitoring, Artificial
Treatments: Regen(3yr)Acceptable -fully stocked rp with minor deciduous associatesRegen:OtherComment:Proposed Start Date: 10/01/2022

**Total Treatment
Acreage Proposed: 354.3**

Report 4 – Site Conditions

Atlanta Mgt. Unit
Darrick Coy : Examiner

Compartment: 144
Year of Entry: 2019

Availability for Management

Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available
371	330	2	39

Dominant Site Conditions

	Total Acres	Acres Available	Acres Avail With Condition	Acres Not Available	Dominant Site Conditions										
					2I	5B	5C	2G	2H	3E	3G	3J	3K	5A	5E
371	330	2	39	Aspen		2		22			2	8	3		3
61	0	0	61	Cedar				31				4		26	
29	29	0	1	Herbaceous Openland								1			
33	33	0	0	Jack Pine											
83	83	0	0	Low-Density Trees		0				0					0
25	25	0	0	Lowland Aspen/Balsam Poplar								0			
88	43	0	45	Lowland Conifers				19				25			2
109	109	0	0	Lowland Deciduous											
55	12	33	9	Lowland Mixed Forest		33							9		
56	52	0	4	Lowland Shrub				2			0		2		
5	2	0	2	Lowland Spruce/Fir											2
114	2	18	94	Mixed Upland Deciduous		11	7	72	6			5	11		
94	89	0	5	Natural Mixed Pines		0						0			5
64	58	6	0	Northern Hardwood	6										
54	0	51	3	Oak		51						0			2
25	25	0	0	Planted Mixed Pines											
252	233	12	7	Red Pine			12			4					2
4	4	0	0	Treed Bog											
111	70	11	30	Upland Mixed Forest		8	3			16			14		
11	11	0	0	Urban											
3	3	0	0	Water											
4	3	0	0	White Pine											0
1,653	1,219	134	300	Total Forested Acres	6	105	22	145	6	21	2	43	39	26	18
	74%	8%	18%	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	5A: Not able to obtain desirable regeneration	26	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3E: Easement / lease, non-military (e.g.- Consumers Power red pine, etc)	21	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Police Radio Cell Tower (20.47acres) -Legal Description- Part of SE1/4 SE1/4 described as: beg at a point located N 88d15m38s W 379.55 ft along the S line of said sec.15, from the SE corner of said Sec.; thence continuing N 88d15m38s W 933.28 ft along said line; thence N 01d39m20s E 954.04 ft; thence S 88d20m40s E 934.68 ft; thence S 01d44m22s W 955.41 ft to the POB, containing 20.47 acres. SUBJECT to the rights of the public in existing North Allis Hwy (66 ft ROW) and Roost Road (66 ft ROW).							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5B: Maintain for regeneration purposes	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area heavier to cedar and tall white pines with wet soil							
6	Unavailable	3G: Other Influence zones - See comments	3	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	5	3J: Water quality / BMPs (stream, river, or lake)	2F: Too steep	Unspecified	Unspecified
Comments: -steep terrain down to drainage along south border							
8	Unavailable	5E: Long-Term Retention	2	2F: Too steep	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	21	2G: Too wet (sensitive soils, does not include access issues)	2F: Too steep	Unspecified	Unspecified
Comments:							

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13	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -filling in well with advanced white pine regeneration -fairly significant presence of white oak and mast oak trees of lower timber value							
15	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Available	5B: Maintain for regeneration purposes	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Unavailable	5E: Long-Term Retention	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	20	5A: Not able to obtain desirable regeneration	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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19	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments: -Area retention for stand 32 and Rainy River protection							
21	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Area retention for stand 77							
22	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -wet drainages with some cedar that connect to streams and other low ground							
23	Unavailable	5E: Long-Term Retention	1	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 9							

Report 4 – Site Conditions

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25	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							
26	Available	5B: Maintain for regeneration purposes	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
27	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 14 -fairly significant drainage with cedar component -difficult to inoperable areas of terrain							
30	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 140							
31	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -30 or more hemlock trees of good health and vigor scattered throughout this stand							
32	Available	5B: Maintain for regeneration purposes	16	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Year of Entry: 2019

33	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
34	Available	2I: Survey needed	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -could not locate survey corners							
35	Available	5B: Maintain for regeneration purposes	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
36	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	3	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
37	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
38	Available	5B: Maintain for regeneration purposes	9	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Year of Entry: 2019

39	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
40	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
41	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
42	Unavailable	5E: Long-Term Retention	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: -area retention for stand 17							
43	Unavailable	3K: Rare or unique landforms	37	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
44	Unavailable	3K: Rare or unique landforms	2	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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Compartment: 144
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45	Available	5B: Maintain for regeneration purposes	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
46	Unavailable	5E: Long-Term Retention	2	2G: Too wet (sensitive soils, does not include access issues)	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	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Well	18.8	77	81-110	-planting record for 30 acres within this qq- np 3, jp3 1939 -areas where rows exist -looks like all rm aspen and jp were thinned out 30-40 years ago
2	4319 - Mixed Upland Forest	Sawtimber Well	23.1	98	141-170	-cedar core was 110 -banked small gullies going down slope to stream -a fair amount of aspen over cedar poles -5-15% slope ave down to creek
4	4136 - Aspen, Mixed Conifer	Sawtimber Well	25.2	77	81-110	-some drainages split through this stand
5	4130 - Aspen	Sapling Well	12.1	25	1-50	-sale number- 54-002-89-01-total size/acres- 47-treatment-clearcut- cut all trees-leave trees- none-volume (cds)- 28 jp, 506 qa, 233 mhwd, 157 mswd, 13 pine (stands 11, 8 and 5)- completion date- 5/18/92
6	4319 - Mixed Upland Forest	Poletimber Well	12.1	74	51-80	
7	42110 - Planted Red Pine	Sawtimber Well	46.8	77	81-110	-cored rp was 70 yrs -planting record for 40 acres within this qq- np 3, jp3 1939 -past treatment- thinning- cut all jp, aspen, maple -completion date- 4/16/91 -sale number- 54-016-89-01 -leave trees- all other trees -volume (cds)- 320 jp, 11 rm
8	42110 - Planted Red Pine	Poletimber Well	8.7	55	201+	-planting record- 43 acres of rp (7.5x7.5 600 RP/ac) completed 9/24/62 kilfer plow AG-6 oliver
9	42110 - Planted Red Pine	Sawtimber Medium	17.5	55	81-110	-planting record- 16 acres of rp (7.5x7.5 775 RP/ac) completed 9/26/62 kilfer plow AG-6 oliver-past treatment- thin (every other row)-completion date- 12/15/11-sale number- 54-027-09-01-leave trees- 90 BA rp-volume (cds)- 960 rp, 356 jp (stands 9, 25, 31, 131)-past treatment- thinning- 3rd row-completion date- 4/16/91-sale number- 54-016-89-01-leave trees- 149 BA rp-volume (cds)- 206 rp
10	6120 - Lowland Cedar	Poletimber Poor	1.5	102	1-50	-scattered weak crowned cedar with sap fir coming in
11	6112 - Lowland Aspen	Sapling Well	25.1	25	1-50	-gets wet to south end, more conifer and alder; more of a mixed deciduous with conifer to southwest end, treated as an inclusion -sale number- 54-002-89-01 -total size/acres- 47 -treatment- clearcut- cut all trees -leave trees- none -volume (cds)- 28 jp, 506 qa, 233 mhwd, 157 mswd, 13 pine (stands 11 and 5) -completion date- 5/18/92
12	4319 - Mixed Upland Forest	Sawtimber Medium	7.8	94	81-110	-transitional stand; mixed between lowland and upland; many down trees on wet area to north; tall white spruce; great stand to leave alone; aspen are significantly rotten over 40%



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	6132 - Mixed Lowland Forest with Cedar	Sawtimber Poor	1.7	98	1-50	-canopy almost gone in overstory with conifers coming in
14	4136 - Aspen, Mixed Conifer	Sawtimber Well	23.9	84	81-110	
15	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	33.2	4	Immature	-past treatment- clearcut -completion date- 4/3/13 -sale number- 54-030-09-01 -leave trees- all oak -volume (cds)- 250 rp, 140 rm, 76 bta, 76 jp, 479 mswd (stands 15 and 17)
16	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	5.7	97	81-110	-natural hodgepodge pine and deciduous stand; variable composition and wetness; sapping rm more in north with large pine
17	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Medium	27.1	4	Immature	-past treatment- clearcut -completion date- 4/3/13 -sale number- 54-030-09-01 -leave trees- all oak -volume (cds)- 250 rp, 140 rm, 76 bta, 76 jp, 479 mswd (stands 15 and 17)
18	4310 - Pine, Oak Mix	Sawtimber Medium	11.0	99	51-80	-hilltop/ridge surrounded by lowland drainage; good adv wp regent getting established; southwest 1/3rd appears to be low 40s, treated as an inclusion
20	42220 - Natural Jack Pine	Sapling Medium	20.0	15	1-50	-WINTER CUT-HIGH WATER TABLE CUT 2001. SOME ASPEN REPRODUCTION. -sale number- 54-011-99-01 -total size/acres- 21 -treatment- clearcut- all trees except no oak, cedar, or hemlock -residual trees- oak, cedar, or hemlock -volume (cds)- 40 wp, 110 rp, 20 bta, 121 jp, 88 mswd, 66 mhwd (stands 20 and 120) -completion date- 7/19/01
21	4130 - Aspen	Poletimber Well	13.8	42	51-80	-aspen are still fairly small for age -past treatment- cut all aspen (58 acres) -completion date- 3/27/75 -sale number- 78-74 -leave trees- all other trees -volume (cds)- 371 aspen
22	4130 - Aspen	Sapling Well	67.6	16	Immature	-sale number- 54-006-99-01 -total size/acres- 65 -treatment- clearcut- all trees except no red oak over 12" or white oak -residual trees- others -volume (cds)- 350 rp, 540 bta, 100 mixed pine, 105 mhwd (stands 22, 23, 24, 79) -completion date- 1/8/1



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
23	4130 - Aspen	Sapling Well	3.4	16	1-50	-sale number- 54-010-99-01 -total size/acres- 136 -treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10" -residual trees- others -volume (cds)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 42, 47) -completion date- 5/3/01
24	6122 - Black Spruce	Poletimber Well	2.5	57	81-110	
25	42110 - Planted Red Pine	Sawtimber Well	18.4	53	81-110	-past treatment- thinned (every 3rd row) and cut all jp -completion date- 12/15/11 -sale number- 54-027-09-01 -leave trees- 90 BA rp -volume (cds)- 960 rp, 356 jp (stands 9, 25, 31, 131)
26	4125 - Black, N. Pin Oak	Sawtimber Well	14.3	98	81-110	-more bigthooth aspen within the south end of the stand
28	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	12.6	94	81-110	-STEEP SLOPE ALONG RAINY RIVER; CAMP SITES ALONG RIVER BANK -significant amount of mast oak, overstory white oak, significant adv wp;
30	42210 - Natural Red Pine	Sawtimber Well	8.4	74	111-140	-past treatment- thinning (actual- marked thinning) -completion date- 4/18/12 -sale number- 54-031-09-01 -leave trees- 100 BA -volume (cds)- wp 204, rp 1,526, rm 41, bta 37 (stands 27/28, 30, 41, 53) -sale number- 26-73 -total size/acres- 63 -treatment- thinning- all trees marked jp and rp -residual trees- -volume (cds)- 251 jp, 70 rp, 162 aspen (stands 75, 30, 37) -completion date- 10/23/73
31	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	25.4	4	Immature	-stand 131 was merged into stand 31 from OI now that the entire area has been planted to artificial RP -trenching complete- 10/31/12 -planting complete- 5/15/13 -yr 3 survey complete- 6/30/16 (823 RP, 1,359 O/JP) -submitted trenching and planting to RP FTP- C-54-947 on 3/14/2012 -past treatment- clearcut- cut all trees except white oak -completion date- 12/15/11 -sale number- 54-027-09-01 -leave trees- white oak -volume (cds)- 960 rp, 356 jp (stands 9, 25, 31, 131) -was strip jp/rp planted in 4/27/55
32	42250 - Pine, Oak	Sawtimber Medium	9.4	89	51-80	-two age in white pine -could not code wp separately for two ages without error



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
33	4126 - White, Black, N. Pin Oak	Sawtimber Medium	30.9	101	51-80	-PARVha site-stand with a significant component of white oak and advanced wp regeneration-current BA is 52 based on 1 point swing per 2 acres (15 ba hybrid oak, 22 ba white oak, 7 ba wp, 8 ba rp)-sale number- 54-010-99-01-total size/acres-136-treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10"-residual trees- others-volume (cds)- 56 wp, 345 rp, 140 mixed oak, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 42)-completion date- 5/3/01
35	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	13.1	97	51-80	-RAINY RIVER; STEEP BANKS
36	6120 - Lowland Cedar	Poletimber Well	13.3	93	51-80	-CEDAR LOG THEFT IN PAST; STEEP BANKS ALONG EDGES OF STAND; SOME AREAS OF BLOW DOWN -saturated ground, too wet, stagnant and high disturbed growth due to high water table; larger log cedar near higher ground to east and north
37	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	13.7	77	141-170	-NICE WHITE PINE POLES, NO WEAVIL DAMAGE
38	4133 - Aspen, Mixed Pine	Sapling Well	15.8	16	1-50	-sale number- 54-010-99-01-total size/acres- 136-treatment-clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10"-residual trees- others-volume (cds)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 140)- completion date- 5/3/01
39	42120 - Planted Jack Pine	Poletimber Well	6.0	55	111-140	-planted 21 acres to JP/RP (total stocking= 11550/7980) on 4/28/55?
40	4124 - Red with White Oak	Sawtimber Poor	8.9	95	1-50	-about 50% coverage in overstory oak; oak are declining -sale number- 54-010-99-01 -total size/acres- 136 -treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10" -residual trees- others -volume (cds)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 42) -completion date- 5/3/01
41	42250 - Pine, Oak	Sawtimber Poor	17.3	74	1-50	-sale number- 54-010-99-01-total size/acres- 136-treatment-clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10"-residual trees- others-volume (cds)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 42)- completion date- 5/3/01
42	42110 - Planted Red Pine	Poletimber Medium	24.9	55	81-110	-planting record- 43 acres of rp (7.5x7.5 600 RP/ac) completed 9/24/62 killer plow AG-6 oliver -sale number- 54-010-99-01 -total size/acres- 136 -treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10" -residual trees- others -volume (cds)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 42) -completion date- 5/3/01; variable stocked plantation



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	4319 - Mixed Upland Forest	Sawtimber Medium	8.3	46	51-80	-a few potential legacy pine within; good adv wp in subcanopy, subcanopy trees are relatively free to grow
44	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	26.3	27	1-50	-sale number- 54-029-89-01 -total size/acres- 67 -treatment- clearcut- cut all trees -leave trees- none -volume (cds)- 68 cedar, 171 mhwd, 352 bs, 18 pine, bam 179 (stands 44 and 45) -completion date- 5/1/90
45	6129 - Mixed Coniferous Lowland Forest	Sapling Well	39.0	27	1-50	-must have been a good seed year with the amount of rp present
46	6120 - Lowland Cedar	Poletimber Well	46.1	118	141-170	
47	4136 - Aspen, Mixed Conifer	Poletimber Well	48.6	46	81-110	
50	4133 - Aspen, Mixed Pine	Sapling Well	7.3	16	1-50	-sale number- 54-010-99-01 -total size/acres- 136 -treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10" -residual trees- others -volume (cds)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 41, 50, 140) -completion date- 5/3/01
51	4134 - Aspen, Spruce/Fir	Sawtimber Well	18.2	87	81-110	-access will need a load of fill/rock for a driveway to south with a culvert or through narrow part to the north
52	6113 - Lowland Maple	Poletimber Well	7.5	65	51-80	-stagnant lowland maple stand, tight rings, standing water throughout, hummock ground
53	42110 - Planted Red Pine	Sawtimber Well	11.7	55	111-140	-planting record- 43 acres of rp (7.5x7.5 600 RP/ac) completed 9/24/62 kilfer plow AG-6 oliver -past treatment- selection (actual- marked row thinning) -completion date- 4/18/12 -sale number- 54-031-09-01 -leave trees- 80 BA -volume (cds)- wp 204, rp 1,526, rm 41, bta 37 (stands 27/28, 30, 41, 53)
54	42290 - Natural Mixed Pine	Sawtimber Well	2.9	75	81-110	-area retention for stands 27/28
55	42290 - Natural Mixed Pine	Poletimber Medium	2.6	42	51-80	
56	6124 - Lowland Spruce-Fir	Poletimber Well	3.4	42	51-80	-sale number- 85-71 -total size/acres- 25 -treatment- clearcut- all aspen, birch, maple -residual trees- others -volume (cds)- 112 poplar (stands 51 n 56) -completion date- 2/21/74



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	4110 - Sugar Maple Association	Sawtimber Well	31.6	76	81-110	<p>-NORTH ASPECT</p> <p>-past treatment was more of a thinning; fairly pure nhwd stand of sugar maple</p> <p>-past treatment- thinning (RX was selection)- all trees with orange paint</p> <p>-completion date- 12/19/11</p> <p>-sale number- 54-055-09-01</p> <p>-residual- 75 ba</p> <p>-volume (cds)- sm 130, bsw 108, wash 38, iwd 10, bch 3</p> <p>-sale number- 54-070-89-01</p> <p>-total size/acres- 27</p> <p>-treatment- thinning -all trees marked with orange, all paper birch, and aspen</p> <p>-residual trees- 90 BA</p> <p>-volume (cds)- 158 birch, 126 mhwd, 27 bta (stand 57)</p> <p>-completion date- 5/1/90</p>
58	4110 - Sugar Maple Association	Poletimber Well	11.7	56	51-80	-appears that this stand was clearcut and came back to sm; rather marginal to poor sm and growth
59	4110 - Sugar Maple Association	Sawtimber Well	6.0	87	111-140	<p>-no past intermediate thinning evident</p> <p>-good quality stems in this area, very tall</p> <p>-more basswood here than to the southern nhwd stand</p>
60	4134 - Aspen, Spruce/Fir	Sapling Well	74.0	25	51-80	-sale number- 54-057-89-01-total size/acres- 67-treatment-clearcut- cut all trees-leave trees- none-volume (cds)- 128 mhwd, 69 birch, 88 aspen, 43 mswd, 6 pine, 6 ro (stands 60, 63, 460)-completion date- 10/31/1990
61	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	15.9	97	171-200	-scattered log aspen over small log cedar; by trees per acre this stand is definitely cedar but due to inventory by aerial coverage this stand has a higher aspen component
62	4119 - Mixed Northern Hardwoods	Sawtimber Well	14.4	87	81-110	-hemlock present
63	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	11.3	78	81-110	<p>-HIGH WATER TABLE BUT ROCKY/GRAVEL SOIL MIX</p> <p>-SOME WET AREAS; standing water in Spring early summer</p>
66	4319 - Mixed Upland Forest	Sawtimber Well	13.6	65	81-110	<p>-more conifer in this stand and it is younger/smaller diameter timber</p> <p>-patchy standing water in Spring early Summer</p>



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
67	4134 - Aspen, Spruce/Fir	Sapling Well	3.0	37	1-50	<p>OPIC - FMD: JUST CONVERTING TO POLES. WET IN SOME PLACES.</p> <p>-no legal access</p> <p>-past treatment- clearcut- cut all cedar, aspen, white and black spruce, and bf</p> <p>-completion date- 3/21/79</p> <p>-sale number- 4-79</p> <p>-leave trees- none</p> <p>-volume (cgs)- 47 cedar, 18 aspen, 15 spruce, 5 bf</p> <p>or</p> <p>-sale number- 14-74</p> <p>-total size/acres- 2</p> <p>-treatment- strip cut- deeryard- cut all cedar, spruce, bf, and aspen</p> <p>-residual trees-</p> <p>-volume (cgs)- 19 cedar, 4 bf, 6 spruce (stand 67)</p> <p>-completion date- 4-16-74</p>
68	6130 - Fir, Aspen, Maple	Sapling Well	9.5	37	1-50	<p>-past treatment- clearcut- cut all cedar, aspen, white and black spruce, and bf</p> <p>-completion date- 3/21/79</p> <p>-sale number- 4-79</p> <p>-leave trees- none</p> <p>-volume (cgs)- 47 cedar, 18 aspen, 15 spruce, 5 bf; some cedar regent under aspen</p>
69	42210 - Natural Red Pine	Sawtimber Medium	16.8	78	81-110	<p>-part of stand was deeded to the MSP for a radio tower</p> <p>-some trash</p>
70	4130 - Aspen	Sapling Well	43.9	25	1-50	<p>-sale number- 54-063-89-01</p> <p>-total size/acres- 43</p> <p>-treatment- clearcut- cut all trees</p> <p>-leave trees- none</p> <p>-volume (cgs)- 530 bta, 52 mo, 89 mswd, 109 mhwd, 20 pine (stand 70)</p> <p>-completion date- 4/1/92</p>
73	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	80.9	42	81-110	<p>-seems primarily upland with lowland pockets that are wet</p> <p>-some older uncut areas were added to the stand as inclusions, boundaries from past cut not well defined with all the pine, cedar, oak being left.....</p> <p>-accessed stand by crossing creek from past cut</p> <p>-sale number- 85-71</p> <p>-treatment- clearcut- all aspen, birch, maple</p> <p>-residual trees- others</p> <p>-completion date- 2/21/74</p>
74	42110 - Planted Red Pine	Poletimber Well	6.2	55	171-200	<p>-E 2/3rds had aspen removed in 2000</p> <p>-row thin W 1/3rd</p> <p>-planted 21 acres to JP/RP (total stocking= 11550/7980) on 4/28/55?</p> <p>-planting record- 43 acres of rp (7.5x7.5 600 RP/ac) completed 9/24/62 kilfer plow AG-6 oliver?</p>
75	42210 - Natural Red Pine	Sawtimber Well	22.0	88	81-110	<p>-sale number- 26-73</p> <p>-total size/acres- 63</p> <p>-treatment- thinning- all trees marked jp and rp</p> <p>-residual trees-</p> <p>-volume (cgs)- 251 jp, 70 rp, 162 aspen (stands 75, 30, 37)</p> <p>-completion date- 10/23/73</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
76	42210 - Natural Red Pine	Sawtimber Medium	9.0	73	51-80	-poor quality due to open development -variable sizes and heights in wp
77	42200 - Natural White Pine	Sawtimber Well	3.5	93	111-140	
78	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	39.1	61	81-110	-parts of this qq were planted in 1939 and 1955 -past treatment- cut all aspen (58 acres) -completion date- 3/27/75 -sale number- 78-74 -leave trees- all other trees -volume (cds)- 371 aspen -cored 2 red pine trees -could not differentiate any planted areas, treated as inclusion, -jp more within s half -planting record- 17 acres of jp/rp mix (550J/380RP/ac) (j 6'x6' and rp 7.5'x7.5') completed 4/28/55
79	4130 - Aspen	Poletimber Well	3.6	43	81-110	-MAINTAINED OPENING.
80	6130 - Fir, Aspen, Maple	Poletimber Well	3.4	38	51-80	-WET; natural hodgepodge pine and deciduous stand; variable composition and wetness; sapling rm more in north with large pine
81	42110 - Planted Red Pine	Poletimber Well	18.4	55	171-200	-irregular rows (underplanted?), varies in DBH and stocking- scattered RO and WO-inter-planting record- 20 acres of jp (7.5x7.5 600 (N1/2)-700 (S1/2) RP/ac) completed 9/18/62 with kilfer plow oliver AG-6; 1/4-1/5th live crown
82	42220 - Natural Jack Pine	Sapling Well	6.8	25	1-50	-sale number- 54-002-89-01-total size/acres- 47-treatment- clearcut- cut all trees-leave trees- none-volume (cds)- 28 jp, 506 qa, 233 mhwd, 157 mswd, 13 pine (stands 11, 8 and 5)- completion date- 5/18/92; gets wetter as you head north
84	6122 - Black Spruce	Poletimber Well	2.1	61	81-110	
86	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	24.5	108	51-80	-canopy is not well defined and due to hydrology disturbance, very irregular in sizes and composition; more poles to sw where conditions are more saturated; more saps and a broken up canopy south of power line
87	6123 - Lowland Fir	Sapling Well	2.7	51	1-50	-standing water throughout; larger rm to east edge
88	42110 - Planted Red Pine	Sawtimber Well	1.8	62	171-200	-was strip jp/rp planted in 4/27/55, retention pockets have never been thinned and were not in last treatment -stand is considered as area retention for stand 31



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
89	6132 - Mixed Lowland Forest with Cedar	Sawtimber Well	17.1	98	81-110	-primary aspen overtop of cedar; hemlock scattered throughout stand; east half cedar is in very poor shape, almost dead with a large blowdown pocket; stand is borderline upland with rocky base, not too wet, just regen concerns with hemlock and cedar; 30 or more hemlock trees of good health and vigor scattered throughout this stand
91	6130 - Fir, Aspen, Maple	Sapling Well	7.2	25	1-50	-sale number- 54-002-89-01-total size/acres- 47-treatment-clearcut- cut all trees-leave trees- none-volume (cgs)- 28 jp, 506 qa, 233 mhwd, 157 mswd, 13 pine (stands 11, 8 and 5)- completion date- 5/18/92
92	4130 - Aspen	Sapling Medium	2.4	16	1-50	sale number- 54-010-99-01 -total size/acres- 136 -treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10" -residual trees- others -volume (cgs)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 140, 42) -completion date- 5/3/01; Hodge podge rp; past treatment thinned pine enough
93	6113 - Lowland Maple	Poletimber Well	5.2	42	51-80	
94	4139 - Aspen, Mixed Deciduous	Sawtimber Well	8.5	75	81-110	-higher point with lower ground around
106	6113 - Lowland Maple	Poletimber Well	9.4	38	51-80	-averaged 2 rm trees for age
140	42111 - Planted Red Pine, Mixed Deciduous	Sawtimber Medium	22.5	55	51-80	-sale number- 54-010-99-01 -total size/acres- 136 -treatment- clearcut- all trees except no red oak over 12" or white oak, wp or rp under 10" -residual trees- others -volume (cgs)- 56 wp, 345 rp, 140 ro, 815 bta, 85 jp, 200 mhwd (stands 33, 38, 40, 140) -completion date- 5/3/01 -hodge podge rp; past treatment thinned pine enough -larger log diameters along the road due to significant amount of growing space and available light
148	4199 - Other Mixed Upland Deciduous	Sawtimber Well	2.3	83	81-110	
158	4319 - Mixed Upland Forest	Sawtimber Well	18.2	50	81-110	-small log stand;a little wet to sw; aspen and rp are older; healthy diverse stand
169	4310 - Pine, Oak Mix	Sawtimber Medium	17.1	78	51-80	-20.47 ACRES DEEDED TO MSP FOR RADIO TOWER, WILL REVERT TO DNR AT SOME POINT
181	42260 - Natural Pine, Mixed Deciduous	Sawtimber Well	9.4	89	141-170	
258	4199 - Other Mixed Upland Deciduous	Sawtimber Well	7.4	98	81-110	-scattered log oak with large pole sm; quality in maple is inconsistent. better quality in red oak



Stand	Cover Type	Acres	Managed Site	General Comments:
3	6220 - Alder/willow	13.7	No	OPIC - FMD: SOME BEAVER ACTIVITY.
19	3303 - Mixed Low Density Trees	2.4	No	
27	330 - Low-Density Trees	44.9		OPIC - FMD: HIGH WATER TABLE. SHELTERWOOD ,PATCHY RESIDUAL W/POSSIBLE SCARIFICATION- AVERAGE RESIDUAL OF 40-50, MIXED REGENERATION IS ACCEPTABLE -past treatment- seed-tree -completion date- 6/18/12 -sale number- 54-031-09-01 -leave trees- 20-30 BA -volume (cds)- wp 204, rp 1,526, rm 41, bta 37 (stands 27/28, 30, 41, 53)
29	500 - Water	2.2	No	-POND- OLD BORROW PIT. SOME WATER FOWL USE
34	122 - Road/Parking Lot	10.8	No	
48	6229 - Mixed lowland shrub	30.9	No	-shrub and marsh with some beaver activity
49	6229 - Mixed lowland shrub	5.5	No	
64	6229 - Mixed lowland shrub	1.8	No	-more conifer in this stand and it is younger/smaller diameter timber -patchy standing water in Spring early Summer
65	3303 - Mixed Low Density Trees	7.2	No	OPIC - FMD: NICE OPENING.
71	3102 - Grass	13.5	No	-powerline
72	6229 - Mixed lowland shrub	0.9	No	
83	3303 - Mixed Low Density Trees	7.2	No	
85	6224 - Treed Bog	4.0	No	
90	3303 - Mixed Low Density Trees	7.6	No	
129	500 - Water	1.2	No	-POND- OLD BORROW PIT. SOME WATER FOWL USE. A FAIR AMOUNT OF RECREATIONAL USE.
156	6229 - Mixed lowland shrub	3.4	No	-some snags, most shrubs, drainage



Stand	Cover Type	Acres	Managed Site	General Comments:
401	3102 - Grass	15.8	Yes	OPIC - FMD: MAINTAINED OPENING.
421	3303 - Mixed Low Density Trees	12.8	No	-scattered jp and cherry mostly
470	3303 - Mixed Low Density Trees	1.2	No	-ASPEN ENCROACHING, VERY ROCKY.