



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42008

Entry Year 2021

Acreage: 1,975

County Luce

Management Area: Deer Park

Revision Date: 2019-08-28

Stand Examiner: Matt Payment

Legal Description:

T49N R12W Section(s) 24,25,35,36

T48N R12W Section 1

Identified Planning Goals:

To maintain forest health, diversity and sustainability while considering wildlife, fisheries, recreation and environmental needs and concerns.

Soil and topography:

Level to slightly rolling Rubicon sands on uplands, with Spot/Finch, Paquin and Markey on lower grounds.

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

Predominately State-owned lands with Forestland Fund and Nature Conservancy lands within sections 35,36. Surrounding lands are primarily State-owned.

Unique Natural Features:

Potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchis, black crowberry, yellow pitcher plant, and paniced screwstem in bogs and open wetlands. Potential for red-shouldered hawk, goshawk, merlin, great blue heron rookery, eagle, and osprey. Potential for moose and wolf. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas.

Archeological, Historical, and Cultural Features:

Old CCC plantations, planted from 1934 – 1939.

Special Management Designations or Considerations:

Stands adjacent to and along the North Branch of the Two-Hearted River have been proposed for biodiversity stewardship.

Watershed and Fisheries Considerations:

Fisheries Values: Excellent

The North Branch Two-Hearted River flows just to the south of the main portion of this compartment. Included in the Natural River Plan, this tributary already has appropriate protections in place for any proposed treatments in stands located in the management zones. In addition to the Two-Hearted River, this compartment contains Tank Lake. This 30-acre lake is actively managed for splake and continues to produce large splake. Bennett Lake is also located in this compartment; however, is unmanaged and has no known fishery.

Wildlife Habitat Considerations:

Compartment 8 lies in the far northern portion of Luce County and is in the Grand Marais Sandy End Moraine and Outwash ecological sub-subsection and lies within the Deer Park Management Area with American marten, Kirtland's warbler, and red crossbill as featured species. The North Branch of the Two-Hearted River lies along the southern border of the compartment and there are a few small lakes within the compartment. Habitat types are dominated by jack, red, and white pine with a few mature hardwood stands in the northern and southern portions of the compartment. Species diversity of pine stands is generally low but is enhanced by the presence of occasional spruce, hemlock, oak, birch and other hardwoods.

In a predominantly pine forested ecosystem, maintaining a variety of age and size classes and maintaining as much structural diversity as possible in managed stands will be important to achieving wildlife objectives. For example, retaining soft and hard mast producing species in harvested stands will help provide food sources, nest and den trees, and improve structural diversity. Leaving understory spruce and hemlock when it occurs will likewise improve structural diversity of stands. Wildlife species potentially using this compartment include white-tailed deer, black bear, coyote, bobcat, fisher, marten, and otter.

Mineral Resource and Development Concerns and/or Restrictions

Sections 1-2, T48N-R12W and Section 19, T49N-R11W and sections 24-25 & 35-36, T49N-R12W, Luce County
The nearest active sand/gravel pit is located seven miles to the east, but there might be some potential for sand within the compartment. There is no history of mineral leasing in the compartment. There is no known potential for metallic minerals in this area, and no known potential exists economic hydrocarbon production in the UP. The state does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

County Roads 416 and 433 run through the compartment and are maintained by the Luce County Road Commission. Continuing R.O.W. expansion is planned/on-going. All other roads within are primarily sand two-tracks and receive little to no maintenance.

Survey Needs:

Section 36 SE 1/4

Recreational Facilities and Opportunities:

The Pine Ridge ORV trail runs through the compartment. County Road 416 serves as a snowmobile trail (Trail #8) during the winter months. Opportunities for blueberry picking, hiking, hunting and fishing.

Fire Protection:

This compartment is part of the Two Hearted Zone Dispatch Plan which is in the Newberry Field Office Fire Protection Area. The potential for large fire runs is good because of continuous Pine cover types and long response times. Heavy equipment access in this compartment is good throughout the compartment.

Additional Compartment Information:

The following reports from the Inventory are attached:

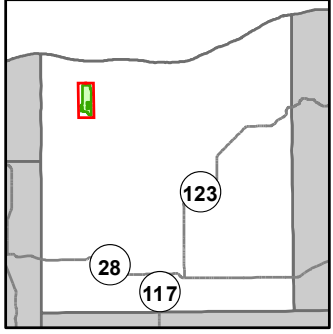
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

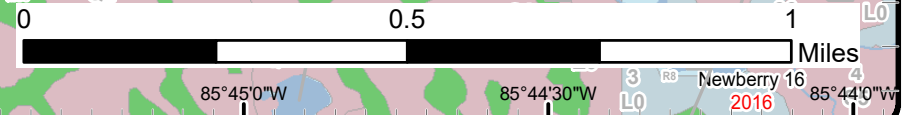
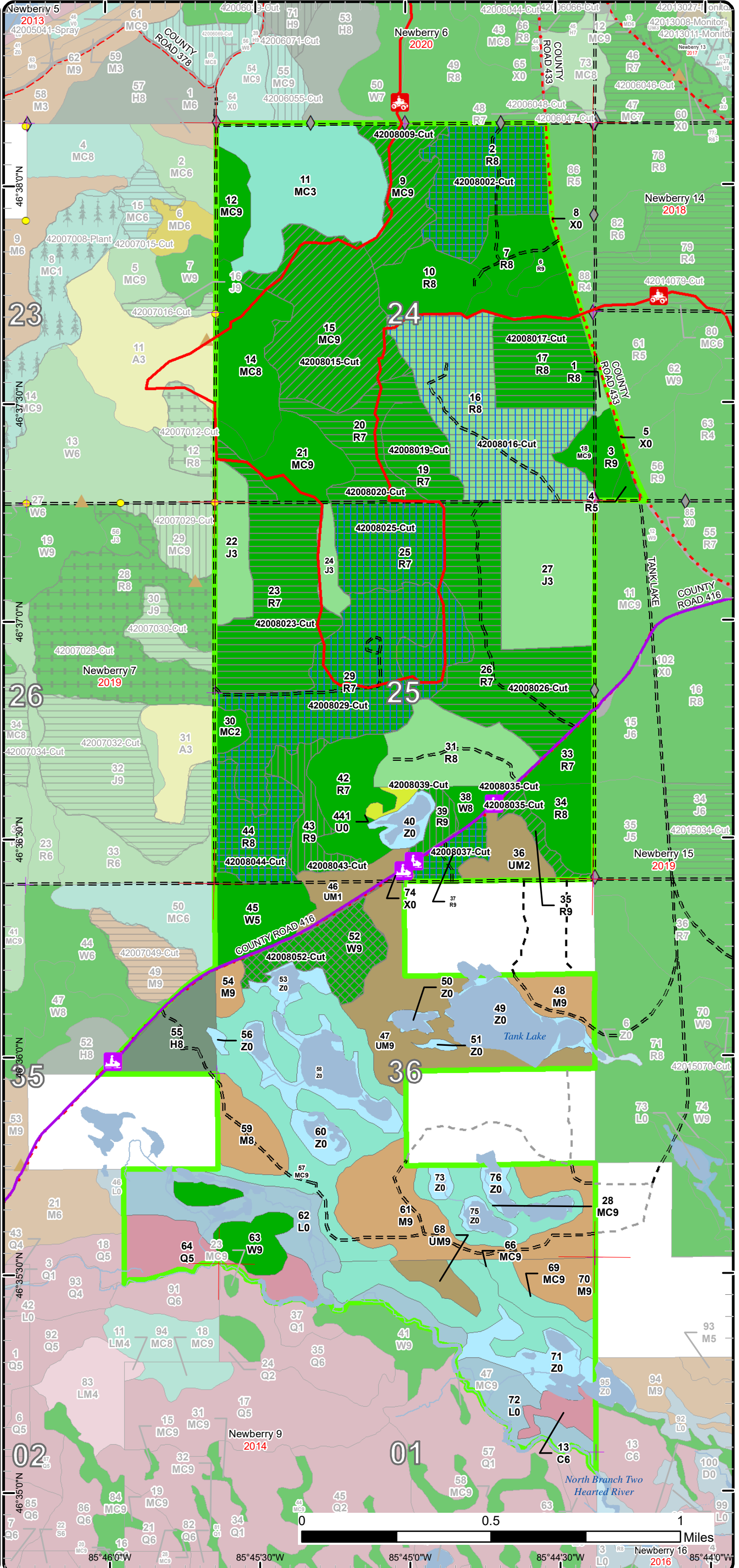
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 8
 T49N, R12W, Sec. 24, 25, 35, 36
 T49N, R11W, Sec. 19
 T48N, R12W, Sec. 1
 County: Luce
 Unit: Newberry
 Mgmt Area: Deer Park
 YOE: 2021
 Acres: 1,975 GIS Calculated
 Examiner: Matt Payment
 Map Revised: 12/19/2019
 Map Phase: Post-Review

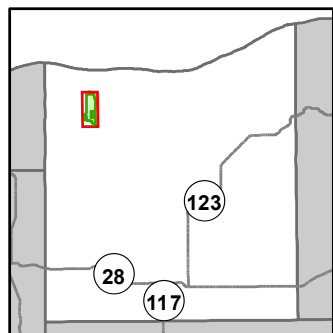


- Miris Corners
- Remonumented Section Corners
- Survey Grade Corners
- Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- ORV Trails
- Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Berms
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Thinning (Crown, Low, Systematic)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

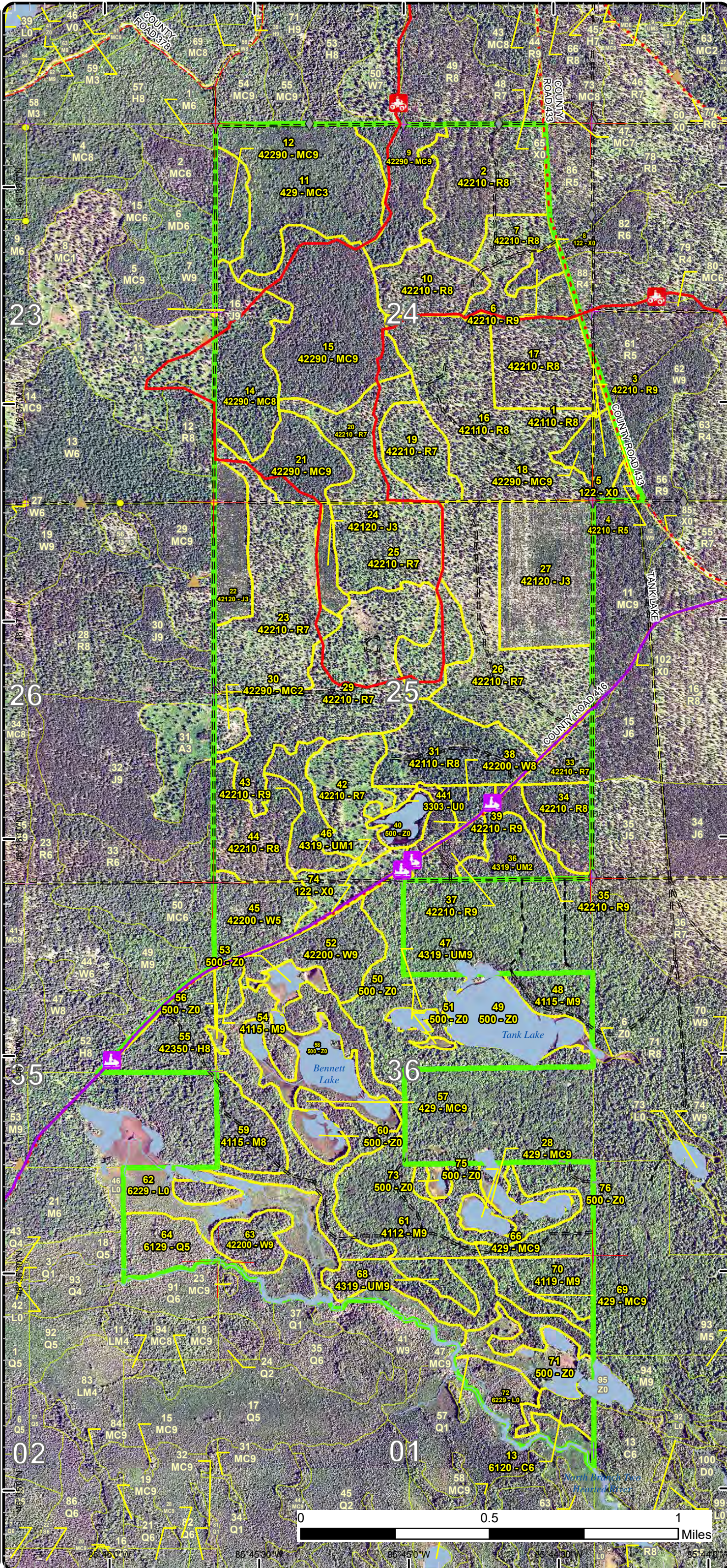


Stand Boundary Map

Compartment: 8
 T49N, R12W, Sec. 24, 25, 35, 36
 T49N, R11W, Sec. 19
 T48N, R12W, Sec. 1
 County: Luce
 Unit: Newberry
 Mgmt Area: Deer Park
 YOE: 2021
 Acres: 1,975 GIS Calculated
 Examiner: Matt Payment
 Map Revised: 12/19/2019
 Map Phase: Post-Review

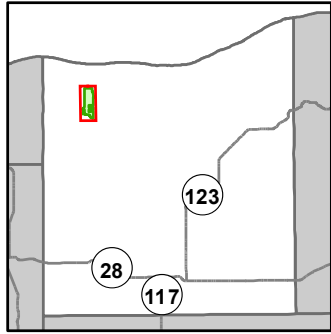


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Compartment Boundary
- Stand Boundaries
- 411 - Northern Hardwood
- 421 - Planted Pines
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 122 - Roads/Parking Lot
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub

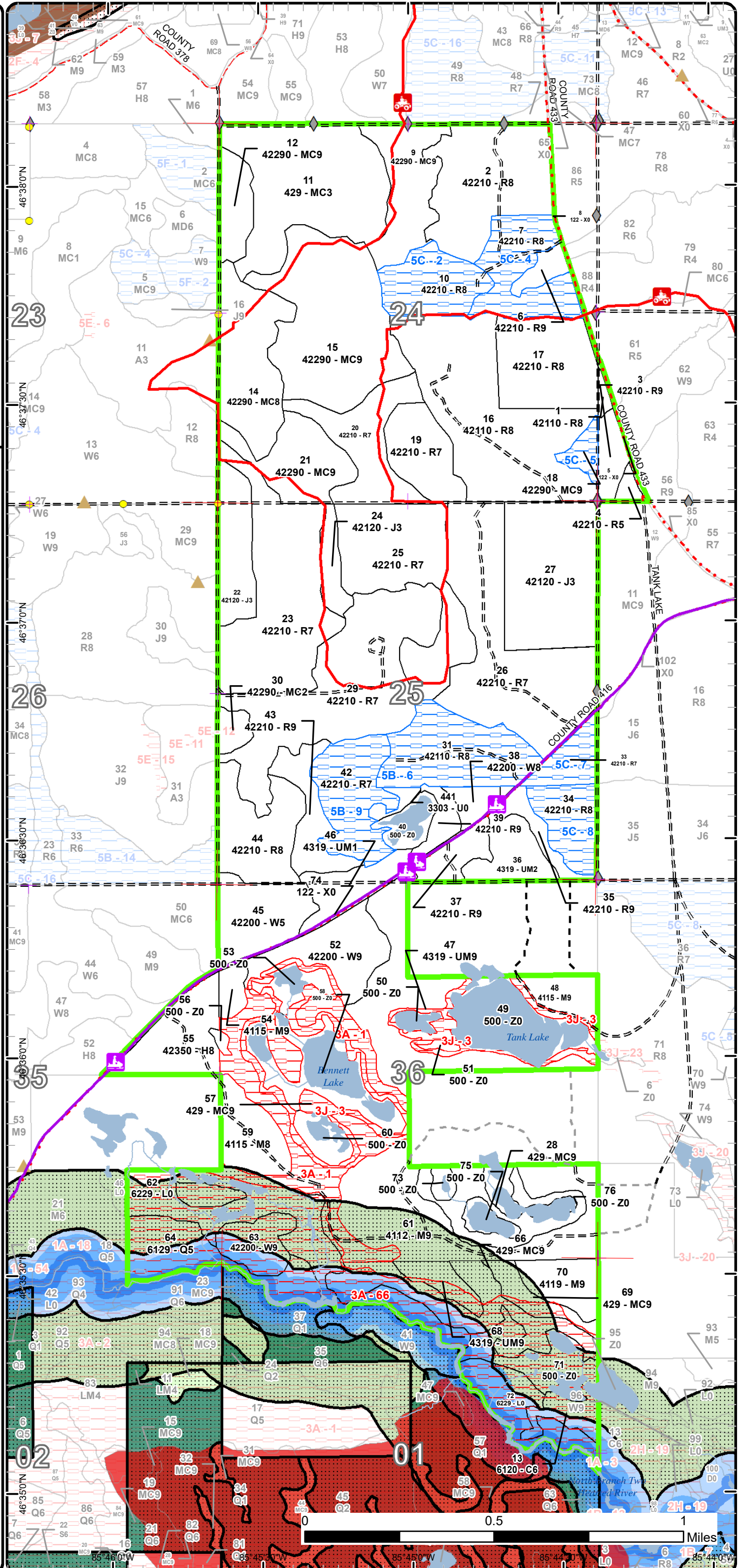


Special Conservation Areas & Site Conditions Map

Compartment: 8
 T49N, R12W, Sec. 24, 25, 35, 36
 T49N, R11W, Sec. 19
 T48N, R12W, Sec. 1
 County: Luce
 Unit: Newberry
 Mgmt Area: Deer Park
 YOE: 2021
 Acres: 1,975 GIS Calculated
 Examiner: Matt Payment
 Map Revised: 12/19/2019
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Dirt / Gravel Road
- 🚙 ORV Trails
- 🚙 Snowmobile Trails
- Designated ATV
- Designated Snowmobile Trails
- Intermittent Stream
- Island in Lake or River
- Lake/Pond
- Perennial River
- Lakes and Rivers
- ▲ Berms
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5B: Maintain for regeneration purposes
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 3A: Conservation Values incompatible with harvest at this time
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Ecological Reference Areas
- Natural Rivers Vegetative Buffer
- Natural Rivers Zoning District
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Wildlife Management Areas
- Habitat Corridor
- Recreational/Scenic Value Area
- Possible Type 1 Old Growth
- Other SCA (No Category Assigned)



Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit

Compartment 8

Year of Entry 2021

Matt Payment : Examiner



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Cedar	0	0	0	0	0	0	0	0	0	0	10	0	0	0	0	0	0	0	10
Hemlock	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	0	0	0	28
Jack Pine	0	0	24	70	0	0	0	0	0	0	0	0	0	0	0	0	0	0	94
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	31	0	0	0	0	0	0	0	0	0	31
Lowland Shrub	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	75
Natural Mixed Pines	0	0	6	0	0	0	0	0	0	75	0	88	0	0	0	0	0	47	215
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	109	125
Red Pine	0	0	0	0	0	0	0	0	178	601	34	0	0	0	0	0	0	15	828
Upland Conifers	0	0	0	0	0	77	0	0	0	37	10	0	0	0	0	0	0	100	223
Upland Mixed Forest	0	16	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	70	104
Urban	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Water	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
White Pine	0	0	0	0	0	0	0	0	28	7	0	0	0	0	0	0	0	52	87
Total	229	16	30	70	18	77	0	0	237	720	82	88	16	0	0	0	0	393	1974



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2021

Acres of Harvest

Compartment 8
Total Compartment Acres: 1,975

Commercial Harvest - 784
 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
Natural Mixed Pines	0	0	0	0	0	114	0	0	0	114
Red Pine	260	0	0	345	27	9	0	0	0	640
White Pine	0	31	0	0	0	0	0	0	0	31
Total	260	31	0	345	27	122	0	0	0	784

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	784	0	0	0	0	0	0	0	0	784
Next Step	0	996	518	0	96	826	1070	0	0	3506
Total	784	996	518	0	96	826	1070	0	0	4290



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	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

Approved Treatments:

2	42008002-Cut	56.7	42210 - Natural Red Pine	Sawtimber Medium	83	81-110	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
<p><u>Prescription</u> Shelterwood stand, reduce BA 20-30, Burn stand and scarify to promote red pine regeneration. Leave all oak. If scarification fails trench and plant. to red pine.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Burn, Understory; SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
9	42008009-Cut	32.2	42290 - Natural Mixed Pine	Sawtimber Well	93	111-140	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Thin red and white pine 80-100 BA, remove all jack pine. Leave some mature aspen/maple to increase diversity. Leave retention along eastern side of the stand. Leave all hemlock.</p> <p><u>Specs:</u></p> <p>Normal ATV trail protections.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mixed pine species</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											
15	42008015-Cut	81.5	42290 - Natural Mixed Pine	Sawtimber Well	104	111-140	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Thin stand 100-120BA, remove all jack pine and aspen. Leave all hemlock and oak.</p> <p><u>Specs:</u></p> <p>Normal ATV trail protections.</p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed pine species.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>											



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	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

16	42008016-Cut	91.7	42110 - Planted Red Pine	Sawtimber Medium	75	51-80	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
-----------	---------------------	------	-----------------------------	---------------------	----	-------	---------	-----------------------------	-----------------------------	----------	----

Prescription Seed tree with retention. Reduce BA 10-20 no more. Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine.

Specs:

Natural regeneration within stand monitor stand. Possibly scarify to promote new regeneration.

Try to protect the regeneration in the stand.

Normal ATV trail protections.

Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen
Treatments: (Intermediate)

Acceptable red pine, mixed pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

17	42008017-Cut	39.6	42210 - Natural Red Pine	Sawtimber Medium	85	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
-----------	---------------------	------	-----------------------------	---------------------	----	-------	---------	----------------------------	-----------------------------	-----------	----

Prescription Clearcut stand and trench and plant back to red pine. Retention should be left along the county road on the east side. This will help facilitate cultivation operations.

Specs:

Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine.

Next Step Burn, Understory; SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate);

Treatments: Pesticide, Skidder - Release; Pesticide, Skidder - Site Prep

Acceptable red pine

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

19	42008019-Cut	24.3	42210 - Natural Red Pine	Sawtimber Poor	85	1-50	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
-----------	---------------------	------	-----------------------------	-------------------	----	------	---------	----------------------------	-----------------------------	-----------	----

Prescription Clearcut stand and trench and plant back to red pine. Retention in pocket(s) to facilitate cultivation 3-5%.

Specs:

Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine.

Next Step Monitoring, Artificial Regen(1yr); ; SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Release; Pesticide, Skidder - Site Prep

Treatments:

Acceptable red pine.

Regen:

Other

Comment:

Site Condition

Proposed Start Date: 10/1 /2020

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	Habitat Cut
20 42008020-Cut	33.9	42210 - Natural Red Pine	Sawtimber Poor	85	51-80	Harvest	Clearcut with Retention	42110 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut stand and trench and plant back to red pine. Retention in form of pocket(s) 3-5%, this is in order to facilitate planting operations.</p> <p><u>Specs:</u> Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine.</p> <p>Normal ATV trail protections.</p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release; Pesticide, Skidder - Site Prep</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
23 42008023-Cut	75.9	42210 - Natural Red Pine	Sawtimber Poor	85	51-80	Harvest	Clearcut with Retention	42210 - Natural Red Pine	Two-Aged	No
<p><u>Prescription</u> Clearcut stand and site prep spray to kill deciduous regen. Trench and plant back to red pine. Retention pocket(s) 3-5% in order to facilitate cultivation operations.</p> <p><u>Specs:</u> Leave Oak if it exists. Leave White Pine and non-Pine in the red line. Trench and plant to Red Pine.</p> <p><u>Next Step</u> SitePrep, Trenching; Planting, Initial Plant; Pesticide, Aerial - Site Prep; Pesticide, Aerial - Release; Monitoring, Artificial Regen(1yr);</p> <p><u>Treatments:</u> Monitoring, Artificial Regen(3yr)</p> <p><u>Acceptable</u> red pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
25 42008025-Cut	60.6	42210 - Natural Red Pine	Sawtimber Poor	85	51-80	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Seed tree stand reduce to 10BA, leave retention in pocket(s) form 3-5%. Scarify stand after harvest.</p> <p><u>Specs:</u> Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine.</p> <p><u>Next Step</u> SitePrep, Scarification; Monitoring, Natural Regen (Intermediate); SitePrep, Trenching; Planting, Initial Plant; Monitoring, Artificial</p> <p><u>Treatments:</u> Regen(1yr); Pesticide, Skidder - Release; ; Pesticide, Skidder - Site Prep</p> <p><u>Acceptable</u> red pine, component mixed pine.</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										

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	Habitat Cut
26 42008026-Cut	86.0	42210 - Natural Red Pine	Sawtimber Poor	75	51-80	Harvest	Clearcut with Retention	4211 - Planted Red Pine	Even-Aged	No
<p><u>Prescription</u> Clearcut stand, trench and plant back to red pine. Retention in the form of pocket(s) 3-5%, put retention where the advanced regeneration is located.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> SitePrep, Trenching; Monitoring, Artificial Regen(1yr); Pesticide, Aerial - Release</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> red pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
29 42008029-Cut	89.9	42210 - Natural Red Pine	Sawtimber Poor	85	81-110	Harvest	Seed Tree with Retention	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Seed tree stand to 10BA. Scarify stand. Retention in forms of pocket(s) 3-5%.</p> <p><u>Specs:</u></p> <p>Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine.</p> <p><u>Next Step</u> SitePrep, Trenching; Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Site Prep; Pesticide, Skidder - Site</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
35 42008035-Cut	8.6	42210 - Natural Red Pine	Sawtimber Well	81	81-110	Harvest	Crown Thinning	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Thin stand down to 70-90 BA focusing on red and white pine. Remove and jack pine, aspen, balsam fir present.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										
37 42008037-Cut	11.5	42210 - Natural Red Pine	Sawtimber Well	81	51-80	Harvest	Seed Tree	42290 - Natural Mixed Pine	Two-Aged	No
<p><u>Prescription</u> Seed tree stand 10-20BA. Leave all hemlock. Scarify stand to promote pine regeneration. If scarification fails trench and plant to red pine.</p> <p><u>Specs:</u></p> <p>Small acreage no retention pockets.</p> <p><u>Next Step</u> SitePrep, Scarification; SitePrep, Trenching; Planting, Initial Plant; Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Site</p> <p><u>Treatments:</u> Prep; Pesticide, Aerial - Release</p> <p><u>Acceptable</u> mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										



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	Habitat Cut
----------------	-------	-----------------	--------------	-----------	----------	----------------	------------------	----------------------	---------------	-------------

39	42008039-Cut	7.3	42210 - Natural Red Pine	Sawtimber Well	81	81-110	Harvest	Shelterwood with Retention	42210 - Natural Red Pine	Two-Aged	No
-----------	---------------------	-----	--------------------------	----------------	----	--------	---------	----------------------------	--------------------------	----------	----

Prescription Shelterwood stand to 30-50BA, possibly scarify stand if BA is low enough to move around. Lake buffer built into treatment.
Specs:
Leave any oak and hemlock if it exists.
Next Step SitePrep, Scarification; Monitoring, Natural Regen (Intermediate)
Treatments:
Acceptable red pine with components of jack and white pine.
Regen:
Other
Comment:
Site Condition
Proposed Start Date: 10/1 /2020

43	42008043-Cut	19.6	42210 - Natural Red Pine	Sawtimber Well	81	81-110	Harvest	Shelterwood with Retention	42290 - Natural Mixed Pine	Uneven-Aged	No
-----------	---------------------	------	--------------------------	----------------	----	--------	---------	----------------------------	----------------------------	-------------	----

Prescription Shelterwood stand reducing to 30-50BA. Remove all jack pine, aspen, maple.
Specs:
Next Step Monitoring, Natural Regen (Intermediate)
Treatments:
Acceptable mixed pine
Regen:
Other
Comment:
Site Condition
Proposed Start Date: 10/1 /2020

44	42008044-Cut	34.1	42210 - Natural Red Pine	Sawtimber Medium	81	81-110	Harvest	Seed Tree with Retention	42210 - Natural Red Pine	Two-Aged	No
-----------	---------------------	------	--------------------------	------------------	----	--------	---------	--------------------------	--------------------------	----------	----

Prescription Seed tree harvest the stand reducing down to 10-20BA. If applicable after harvest scarify stand.
Specs:
Leave Oak if it exists. Leave White Pine and non-Pine in the red line. If scarification fails, trench and plant to Red Pine.
Next Step Monitoring, Natural Regen (Intermediate); SitePrep, Scarification; SitePrep, Trenching; Pesticide, Aerial - Site Prep; Pesticide, Aerial -
Treatments: Release; Planting, Initial Plant
Acceptable red pine with a mix of jack and white pine.
Regen:
Other
Comment:
Site Condition
Proposed Start Date: 10/1 /2020



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	Habitat Cut
52 42008052-Cut	30.7	42200 - Natural White Pine	Sawtimber Well	88	81-110	Harvest	Single Tree Selection	42290 - Natural Mixed Pine	Uneven-Aged	No
<p><u>Prescription</u> Thin stand via selection harvest reduce BA 70-90. Buffer lakes accordingly. Remove all aspen, jack pine, and beech. Thin red and white pine. Some areas have lower BA's and will go unmarked.</p> <p><u>Specs:</u></p> <p>Leave any oak and hemlock if present.</p> <p><u>Next Step</u> Monitoring, Natural Regen (Intermediate)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> mixed pine</p> <p><u>Regen:</u></p> <p><u>Other</u></p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2020</p>										

Total Treatment 784.1
Acreage Proposed:

Report 4 – Site Conditions

Newberry Mgt. Unit
Matt Payment : Examiner

Compartment: 8
Year of Entry: 2021



Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions	5B	5C	5F	3A	3J
		With Condition	Not Available						
10	0	0	10	Cedar				10	
28	28	0	0	Hemlock					
94	94	0	0	Jack Pine					
3	3	0	0	Low-Density Trees					
31	0	0	31	Lowland Conifers				31	
75	0	0	74	Lowland Shrub				74	
215	208	6	0	Natural Mixed Pines		6	0		
126	123	0	3	Northern Hardwood				0	3
828	660	168	0	Red Pine	77	91			
223	114	0	109	Upland Conifers				83	26
104	90	0	14	Upland Mixed Forest				4	11
11	11	0	0	Urban					
140	117	0	24	Water				24	0
87	62	0	24	White Pine	0			21	3
1,975	1,512	174	289	Total Forested Acres	77	98	0	246	43
	77%	9%	15%	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	3A: Conservation Values incompatible with harvest at this time	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	27	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 8
 Year of Entry: 2021



3	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	43	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
Comments:							
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	32	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
5	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Available	5B: Maintain for regeneration purposes	43	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Newberry Mgt. Unit
 Matt Payment : Examiner

Compartment: 8
 Year of Entry: 2021



8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	20	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified
Comments:							
9	Available	5B: Maintain for regeneration purposes	34	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							
66	Unavailable	3A: Conservation Values incompatible with harvest at this time	197	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Two Hearted River SCA/HCVA							

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 Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
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	Type 1 and Type 2 Old Growth	Old-Growth forest (also termed primary forest, ancient forest, virgin forest, or primeval forest) is an area of forest that has few or no signs of human disturbance and that exhibits unique ecological features related to age, composition and associated structure. Old growth forests are of natural origin. They may be dominated by late successional forest species (i.e. sugar maple and American beech), or may be a very old example of a stand dominated by long-lived early- or mid-seral species (i.e. oak, or red pine).
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.
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spatial buffers set from an established and approved distance from the river centerlines. The Natural Rivers Zoning District is a 400 foot buffer for most Natural Rivers. The Vegetative Buffer ranges from 25 to 100 feet. To view specific Zoning Districts and Vegetative Buffers for each Natural River see the table located on the I:\Documentation\GDSE data folder.
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of natural communities that have been identified as Element Occurrences (EOs) by the Michigan Natural Features Inventory (MNFI) within the context of their natural community classification system. Element Occurrences with viability ranks of A (Excellent) or B (Good) and a Global (G) or State (S) element (rarity) ranking of endangered (1), threatened (2), or rare (3) serve as an initial base of ERAs. They may be located upon any ownership in the State. The system is comprised of individual or associations of natural community types that are managed for restoration and maintenance of natural ecological processes and values. The public may submit recommendations for lands as ERAs using the DNR Conservation Area Recommendation Form.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
1	42110 - Planted Red Pine	Sawtimber Medium	1.8	83	51-80	N/A	Old plantation that has been thinned a few times, all the Jack Pine was removed previously, some white pine in the stand. White pine regen coming in not a lot of JP or rp.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>80</td> <td>Log/Pole</td> <td>12</td> <td>83</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	80	Log/Pole	12	83	White Pine	15	Log/Pole	14		<p>T. sale #20-98, "Tank Lake Section 19 Pine" - jack pine removed 6/2000. Stand was planted in 1932 w/ 3 - 0 R,J,W and in 1939 with R,J. MO2 = J,W</p>																										
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Pine	80	Log/Pole	12	83																																							
White Pine	15	Log/Pole	14																																								
2	42210 - Natural Red Pine	Sawtimber Medium	56.7	83	81-110	N/A	Mixed plantation planted Spring, 1939 with 3-0 RP and 2-0 JP @ 800 trees/ac. Occasional Birch and Aspen within stand; some mistletoe present in large RP. ***Stand harvested as First Line Pine (029-01-01), removing jack pine and lightly thinning RP. Completed 08/25/04. FTP 42-555 for scarification. 2011 comment: No scarification completed due to thick residual stocking (esp. west side of stand) - changed stand boundary and MO changed to RP (old stand 8 incorporated into stand). Thin RP in another 10-20 years to encourage more natural regeneration. Walk-thru check 2009 (mixed spp) - continue to monitor.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>85</td> <td>Log</td> <td>14</td> <td>83</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	85	Log	14	83	White Pine	15	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	Jack Pine	Low	Variable	Sapling													
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Pine	85	Log	14	83																																							
White Pine	15	Log	14																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Red Pine	Low	Variable	Sapling																																								
Jack Pine	Low	Variable	Sapling																																								
3	42210 - Natural Red Pine	Sawtimber Well	9.3	80	81-110	N/A	Part of the stand was cut in 98' for utility poles. Some of the stand was planted in 1939. Stand is mainly comprised of red and white pine with jack pine mixed throughout. Some evidence of under planted red pine at some point. Stand could be thinned now or held another 10 years.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log</td> <td>14</td> <td>80</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log	14	80	White Pine	20	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	White Pine	Medium	Variable	Sapling	Bigtooth Aspen	Low	Variable	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Pine	75	Log	14	80																																							
White Pine	20	Log	14																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Red Pine	Low	Variable	Sapling																																								
White Pine	Medium	Variable	Sapling																																								
Bigtooth Aspen	Low	Variable	Sapling																																								
4	42210 - Natural Red Pine	Poletimber Medium	2.9	80	51-80	N/A	Natural pine stand with red and white dominating the overstory, some jp remaining along with aspen and birch. Stand was cut in 2004 but was never scarified. Some natural regen coming in red and white some jack but overall is sparse.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>65</td> <td>Pole/Log</td> <td>9</td> <td>80</td> </tr> <tr> <td>Jack Pine</td> <td>25</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	65	Pole/Log	9	80	Jack Pine	25	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Pine	65	Pole/Log	9	80																																							
Jack Pine	25	Pole	7																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
Red Pine	Low	Variable	Sapling																																								
5	122 - Road/Parking Lot	Nonstocked	1.9		Unspecified	No	County Road 416/433																																				
6	42210 - Natural Red Pine	Sawtimber Well	6.1	88	81-110	N/A	Stand mainly dominated by red and white pine, some jack mixed within. Sparse birch and aspen mixed in as well. Areas where WP reproduction is 6' + in height. Part of stand planted in 1939 (6" dbh R,J within), but stand is actually more uneven aged, with larger R,W. Jack pine within is in fair shape.																																				
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>60</td> <td>Log</td> <td>14</td> <td>88</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>13</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	60	Log	14	88	White Pine	20	Log	13		Jack Pine	15	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Bigtooth Aspen	Low	Variable	Sapling	Red Pine	Low	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																							
Red Pine	60	Log	14	88																																							
White Pine	20	Log	13																																								
Jack Pine	15	Pole	8																																								
Sub-Canopy Species	Density	Avg. Height	Size																																								
White Pine	Medium	Variable	Sapling																																								
Bigtooth Aspen	Low	Variable	Sapling																																								
Red Pine	Low	5 - 10 feet	Sapling																																								



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
7	42210 - Natural Red Pine	Sawtimber Medium	31.9	80	51-80	N/A	Stand is mainly red pine which was left after last harvest. Jack pine is sparse coming in and the overstory is still has a high BA. North end is a little more open and has more regen coming in. Possible seed trees or overstory removal the stand especially the south end. Stand was never scarified due to thick																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>80</td> <td>Log/Pole</td> <td>13</td> <td>80</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	80	Log/Pole	13	80	White Pine	15	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Pine	80	Log/Pole	13	80																																								
White Pine	15	Log	14																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Jack Pine	Medium	5 - 10 feet	Sapling																																									
Planted Spring, 1939 and also interplanted. ORV trail runs along S. edge. Stand harvested as First Line Pine (029-01-01). Completed 08/25/04. 42-555: No scarification completed due to thick residual; regeneration count completed 6/3/08 = 342 t/ac (214A, 85W, 43R). As of 2009, walk-thru check shows: W1-2, F1, M2 (6' hts mainly A, RM) and R1/J1-2 (1-2' hts). Good cone crop noted on ground, and esp. good regeneration in old skid trails. Mixed pine mgmt is acceptable.																																												
8	122 - Road/Parking Lot	Nonstocked	2.6		Unspecified	No	County Road 433 and ROW.																																					
9	42290 - Natural Mixed Pine	Sawtimber Well	32.2	93	111-140	N/A	Contains mixed stuff - some 30's J,R planting, some natural pine (W. Spruce sawlogs, large beech noted also). ORV trail runs through the stand, and along W side, is more of a WP type. MO of mixed pine is acceptable; due to amount of F understorey, when stand is treated, follow-up cultivation work will be necessary.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>50</td> <td>Log</td> <td>14</td> <td>93</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	50	Log	14	93	White Pine	20	Log	14		Jack Pine	15	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	White Pine	Low	5 - 10 feet	Sapling	Red Pine	Low	< 5 feet	Sapling	Bigtooth Aspen	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Pine	50	Log	14	93																																								
White Pine	20	Log	14																																									
Jack Pine	15	Pole	8																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Balsam Fir	Medium	Variable	Sapling																																									
White Pine	Low	5 - 10 feet	Sapling																																									
Red Pine	Low	< 5 feet	Sapling																																									
Bigtooth Aspen	Low	Variable	Sapling																																									
10	42210 - Natural Red Pine	Sawtimber Medium	26.5	80	51-80	N/A	Red and white pine dominate the overstory here with good regeneration coming in from previous cultivation work. Stand could be released this entry to allow current regen to grow and propagate more regeneration to start. Overstory removal or seed tree would be most effective.																																					
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>85</td> <td>Log/Pole</td> <td>11</td> <td>80</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>13</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	85	Log/Pole	11	80	White Pine	15	Log	13		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	High	5 - 10 feet	Sapling	Red Pine	Medium	Variable	Sapling	White Pine	Medium	10 - 20 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																																								
Red Pine	85	Log/Pole	11	80																																								
White Pine	15	Log	13																																									
Sub-Canopy Species	Density	Avg. Height	Size																																									
Jack Pine	High	5 - 10 feet	Sapling																																									
Red Pine	Medium	Variable	Sapling																																									
White Pine	Medium	10 - 20 feet	Sapling																																									
Part of sale# 20-91; scarified in 1996, 2 years after harvest occurred (FTP # 42-369). Regeneration check was done in 6/1999 and it was noted to be only a 3% survival w/few cones. Planting was planned and accomplished in April, 2000 with 2-0 JP(60 acres, including Stand 17) ORV trail runs along the S. edge of stand. Regeneration survey of planting was completed on 10/15/01 - stand is fully stocked with a total of 1091 trees/ac (includes 338 trees/ac planted + 753 "volunteer" trees/ac, which include RP,WP and S). Average seedling height at that time was 1.2 feet. Seedlings now 4-6' height, and some small 1' RP showing, too. MO is for mixed pine.																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																		
11	429 - Mixed Upland Conifers	Sapling Well	76.5	41	81-110	N/A	Stand was cut heavy in 1976-78; RP, WP, Hemlock reproduction was left. A jungle of stuff now! H,W,B,F reproduction (3-4" dbh); residual H, Beech(mainly dead now), RM, WP, RP, and WS. Various diameter classes of reproduction; areas of good Hemlock reproduction. Sale # 23-76.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td>70</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Log/Pole/Sap</td> <td>11</td> <td>41</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Beech</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole/Sapling</td> <td>5</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> <tr> <td>White Spruce</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	15	Log/Pole	10	70	White Pine	15	Log/Pole	11		Hemlock	15	Log/Pole/Sap	11	41	Paper Birch	10	Pole	5		Beech	10	Pole	5		Balsam Fir	15	Pole/Sapling	5		Red Maple	10	Pole	5		White Spruce	10	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hemlock	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Pine	15	Log/Pole	10	70																																																					
White Pine	15	Log/Pole	11																																																						
Hemlock	15	Log/Pole/Sap	11	41																																																					
Paper Birch	10	Pole	5																																																						
Beech	10	Pole	5																																																						
Balsam Fir	15	Pole/Sapling	5																																																						
Red Maple	10	Pole	5																																																						
White Spruce	10	Pole	6																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Hemlock	Medium	10 - 20 feet	Sapling																																																						
12	42290 - Natural Mixed Pine	Sawtimber Well	15.0	107	81-110	N/A	Large White pine with patchy hardwood bleeding into the stand. Spruce, red maple, some jack pine, red pine present. Beech trees are wildlife quality only, most are dead or dying.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>40</td> <td>Log/XLog</td> <td>16</td> <td>107</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	40	Log/XLog	16	107	Red Pine	15	Log	11		Jack Pine	15	Pole	8		Red Maple	10	Pole	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Red Maple	Low	Variable	Sapling	Beech	Low	Variable	Sapling												
Canopy Species	% Cover	Size Class	DBH	Age																																																					
White Pine	40	Log/XLog	16	107																																																					
Red Pine	15	Log	11																																																						
Jack Pine	15	Pole	8																																																						
Red Maple	10	Pole	7																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Medium	Variable	Sapling																																																						
Red Maple	Low	Variable	Sapling																																																						
Beech	Low	Variable	Sapling																																																						
13	6120 - Lowland Cedar	Poletimber Well	9.9	96	81-110	N/A	Stand of mixed conifer with cedar, tamarack, bf, some black ash and a trace amount of white pine. Low wet ground borders the Two Hearted River - Two-Hearted River Zone, Access would be very difficult for any harvest activities.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Northern White Cedar</td> <td>50</td> <td>Pole</td> <td>8</td> <td>96</td> </tr> <tr> <td>Tamarack</td> <td>15</td> <td>Pole</td> <td>6</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Pole/Sapling</td> <td>7</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Northern White Cedar	50	Pole	8	96	Tamarack	15	Pole	6		Balsam Fir	15	Pole/Sapling	6		Black Spruce	15	Pole/Sapling	7		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Balsam Fir	Medium	Variable	Sapling	Red Maple	Low	Variable	Sapling																
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Northern White Cedar	50	Pole	8	96																																																					
Tamarack	15	Pole	6																																																						
Balsam Fir	15	Pole/Sapling	6																																																						
Black Spruce	15	Pole/Sapling	7																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
Balsam Fir	Medium	Variable	Sapling																																																						
Red Maple	Low	Variable	Sapling																																																						
14	42290 - Natural Mixed Pine	Sawtimber Medium	44.5	85	81-110	N/A	Mainly red and white pine in stand with some paper birch that was left after last harvest. Stand could be thinned again to release the regeneration or it could be held until next entry. ***Stand harvested as "Disconnected GPS Mix" (033-01-01 - stands 13, 14). Completed 07/12/05. Thinned all but red pine and white pine. FTP42-558 for scarification. 2011 comments: Stand 13 was combined into this stand. Regeneration check was completed 5/20/2008 and showed 1,902 t/ac (mix of A,W,BF, RM and JP). No scarification was completed due to thick residual stocking. MO of mixed pine with aspen/fir is acceptable. 2001 comments: Planted in Fall, 1934 with W/J/R mix. Previously, stand MO was A, but A is in decline and W type should be encouraged. ORV trail crosses small portion of stand. May want to leave most or all of PB for diversity..																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>50</td> <td>Log</td> <td>13</td> <td>85</td> </tr> <tr> <td>Red Pine</td> <td>35</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	50	Log	13	85	Red Pine	35	Log/Pole	11		Paper Birch	15	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Jack Pine	Medium	Variable	Sapling																					
Canopy Species	% Cover	Size Class	DBH	Age																																																					
White Pine	50	Log	13	85																																																					
Red Pine	35	Log/Pole	11																																																						
Paper Birch	15	Pole	8																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Medium	Variable	Sapling																																																						
Jack Pine	Medium	Variable	Sapling																																																						
15	42290 - Natural Mixed Pine	Sawtimber Well	81.5	104	111-140	N/A	Nice red and white pine stand with jack pine mixed throughout. Stand could either be R or W. Mixed hardwood interspersed, some hemlock, white spruce. Lots of nice WP reproduction, in places. Also areas with nice, tall utility pole quality red pine. Portions planted in Fall, 1934 and Spring, 1939 with mix of W/J/R. ORV trail runs through two portions of this stand.																																																		
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>35</td> <td>Log/Pole</td> <td>12</td> <td>104</td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log/Pole</td> <td>13</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	35	Log/Pole	12	104	White Pine	35	Log/Pole	13		Jack Pine	15	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Red Maple	Low	5 - 10 feet	Sapling																					
Canopy Species	% Cover	Size Class	DBH	Age																																																					
Red Pine	35	Log/Pole	12	104																																																					
White Pine	35	Log/Pole	13																																																						
Jack Pine	15	Pole	8																																																						
Sub-Canopy Species	Density	Avg. Height	Size																																																						
White Pine	Medium	Variable	Sapling																																																						
Red Maple	Low	5 - 10 feet	Sapling																																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																												
16	42110 - Planted Red Pine	Sawtimber Medium	91.7	75	51-80	N/A	<p>Stand was thinned removing white and red pine and all jack pine. Residual BA is still high. There is acceptable amounts of regeneration coming up within the stand. Release regen seed tree or overstory removal of stand and monitor natural regeneration.</p> <p>2001 comment: Planted Fall, 1934 R/J. Some dead tops on the JP, and mistletoe. ***Stand harvested as "SE Quarter Jack Pine" (42-019-01-01). Completed 6/8/04. Red Pine left after harvest. Blowdown trees harvested (~8 cords) May, 2004 (from Fall, 2003 storm). FTP 42-551 completed 6/25/2004. Regeneration count completed 6/3/08 = 491 t/ac (327 A, 60J, 74W, 15R, 15RM); most seedlings < 1' height. Residual BA average of 40 (up to 90). Smaller residual RP (5" dbh) within here as well (from add'l underplanting?). Walk-thru check in 2009 showed 1' ht JP (1 - 3', in places) with WP (2-3' ht) and M (5' ht). MO is for mixed pine.</p>																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>85</td> <td>Log/Pole</td> <td>11</td> <td>75</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	85	Log/Pole	11	75	White Pine	15	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	Sapling	Red Pine	Low	Variable	Sapling	White Pine	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	85	Log/Pole	11	75																															
White Pine	15	Log	12																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	Medium	5 - 10 feet	Sapling																																
Red Pine	Low	Variable	Sapling																																
White Pine	Medium	Variable	Sapling																																
17	42210 - Natural Red Pine	Sawtimber Medium	39.6	85	51-80	N/A	<p>Part of sale # 20-91; FTP 42-369. Regeneration check in 6/1999 showed 3% survival and few cones. Stand was underplanted in April, 2000 with 2-0 JP (60 acres, including Stand 10). Original stand was planted in 1934 with J/R. ORV trail runs along the N. stand boundary. Planting regeneration count survey was done 10/15/01; stand is fully stocked with 1091 trees/ac (338 trees/ac planted + 753 "volunteer" trees/ac, of which spp include RP, WP, and S). Average seedling height = 1.2 feet. 2009 comment: seedlings now 4 - 5' heights, with some small (<1') RP regeneration showing. Scattered dead/dying PB within. Thin out more RP next entry. MO is for mixed pine.</p>																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>90</td> <td>Log/Pole</td> <td>12</td> <td>85</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	90	Log/Pole	12	85	Paper Birch	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	High	5 - 10 feet	Sapling	Red Pine	Low	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	90	Log/Pole	12	85																															
Paper Birch	10	Pole	8																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	High	5 - 10 feet	Sapling																																
Red Pine	Low	5 - 10 feet	Sapling																																
18	42290 - Natural Mixed Pine	Sawtimber Well	6.2	107	81-110	N/A	<p>Weeviled WP, some with dead tops; smaller W2 is in better shape, though. Some scattered red pine. Dead/dying PB within, jack pine is in fair condition (some dead also).</p>																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>50</td> <td>Log/XLog</td> <td>15</td> <td>107</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>25</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	50	Log/XLog	15	107	Red Pine	15	Log/Pole	11		Jack Pine	25	Pole	8		Paper Birch	10	Pole/Log	9									
Canopy Species	% Cover	Size Class	DBH	Age																															
White Pine	50	Log/XLog	15	107																															
Red Pine	15	Log/Pole	11																																
Jack Pine	25	Pole	8																																
Paper Birch	10	Pole/Log	9																																
19	42210 - Natural Red Pine	Sawtimber Poor	24.3	85	1-50	N/A	<p>Mainly red and white pine with scattered aspen and paper birch left after last harvest. Residual BA still a little high stand could be treated with a seed tree and help release the regen coming in, or clear cut stand trench and plant to red pine. Some areas have 60-100 BA. Most of the stand is under 60 BA.</p> <p>Planted Fall, 1934, with replant in Spring, 1964. Removed JP and managed for mixed pine. Thinned older RP, where needed and left most, if not all, WP. Some dead tops on WP. ***Stand harvested via Delayed Removal as sale #016-11-01, Sled Around Pine. Completed 10/23/13.</p>																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log</td> <td>12</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	75	Log	12	85	White Pine	15	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	< 5 feet	Sapling	Red Pine	Low	< 5 feet	Sapling	Red Maple	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	75	Log	12	85																															
White Pine	15	Log	14																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	Medium	< 5 feet	Sapling																																
Red Pine	Low	< 5 feet	Sapling																																
Red Maple	Medium	Variable	Sapling																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																												
20	42210 - Natural Red Pine	Sawtimber Poor	33.9	85	51-80	N/A	<p>Stand was thinned taking red and white and all jack pine. Red and white that are left have slightly higher BA and could be removed releasing the regeneration that is coming up underneath. All oak, red maple, spruce, and balsam were left. Possibly cut with stand 19,16,17. Cut as part of sale 42-16-11 Sled Around Pine.</p> <p>Planting Fall, 1934 w/ J/W/R . Stand blends into W type to the west, with more W2 in understory. ORV trail runs through stand - protect. Fairly open-grown stand overall; scarify to prepare natural seedbed. Aspen within should be cut. Leave most W,R and protect small WP regen (2-5" dbh). MO is for mixed pine.</p> <p>***Stand harvested via Final Harvest as sale #016-11-01, Sled Around Pine. Completed 10/23/13. Scarification yet to be done as of 11/12/13. Regeneration check per work instructions.</p>																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>70</td> <td>Log/Pole</td> <td>12</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	70	Log/Pole	12	85	White Pine	20	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Low	< 5 feet	Sapling	Red Maple	Low	5 - 10 feet	Sapling	Paper Birch	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	70	Log/Pole	12	85																															
White Pine	20	Log	14																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	Low	< 5 feet	Sapling																																
Red Maple	Low	5 - 10 feet	Sapling																																
Paper Birch	Low	Variable	Sapling																																
21	42290 - Natural Mixed Pine	Sawtimber Well	29.5	85	81-110	N/A																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>45</td> <td>Log/Pole</td> <td>11</td> <td>85</td> </tr> <tr> <td>Red Pine</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>20</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	45	Log/Pole	11	85	Red Pine	30	Log/Pole	10		Jack Pine	20	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Jack Pine	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																															
White Pine	45	Log/Pole	11	85																															
Red Pine	30	Log/Pole	10																																
Jack Pine	20	Pole	8																																
Sub-Canopy Species	Density	Avg. Height	Size																																
White Pine	Medium	Variable	Sapling																																
Jack Pine	Low	5 - 10 feet	Sapling																																
22	42120 - Planted Jack Pine	Sapling Well	23.8	19	Immature	N/A																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>90</td> <td>Sapling</td> <td>3</td> <td>19</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	90	Sapling	3	19																								
Canopy Species	% Cover	Size Class	DBH	Age																															
Jack Pine	90	Sapling	3	19																															
23	42210 - Natural Red Pine	Sawtimber Poor	75.9	85	51-80	N/A																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>85</td> <td>Log</td> <td>12</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	85	Log	12	85	White Pine	15	Log/Pole	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>High</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	Variable	Sapling	Bigtooth Aspen	High	5 - 10 feet	Sapling	Red Maple	High	Variable	Sapling	
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	85	Log	12	85																															
White Pine	15	Log/Pole	14																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	Medium	Variable	Sapling																																
Bigtooth Aspen	High	5 - 10 feet	Sapling																																
Red Maple	High	Variable	Sapling																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																							
24	42120 - Planted Jack Pine	Sapling Well	9.1	20	Immature	N/A	15-20' tall Jack pine, some thin areas but trees look good. Trace amounts of red and white pine left throughout the stand.																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>95</td> <td>Sapling</td> <td>3</td> <td>20</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Sapling	3	20						<p>Cut in 1994 (sale # 47-91). FTP 42-363 accomplished Spring, 1996. Regeneration check was done in 1998--4% plots stocked; 83 trees/ac. Planting was scheduled for Spring, 2000, but happened in Spring, 2001. ORV trail along stand boundary. ***Regeneration count May, 2004 = 726 t/ac (614 planted, 112 nat'l). Seedlings now 1.8' in height. In 2009, seedlings now 3-7' height.</p>																													
Canopy Species	% Cover	Size Class	DBH	Age																																										
Jack Pine	95	Sapling	3	20																																										
25	42210 - Natural Red Pine	Sawtimber Poor	60.6	85	51-80	N/A	Red and white pine remain after last harvest, jack pine and aspen were removed. MO of mixed pine is acceptable. Some J and R with dead/dying tops. Pocket of W9/W2 inside west stand boundary line. Stand could have a seed tree harvest to thin the pine to release regen.																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log/Pole</td> <td>12</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log/Pole	12	85	White Pine	15	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Medium	Variable	Sapling	Jack Pine	Low	Variable	Sapling	<p>***Stand harvested via Final Harvest as sale #016-11-01, Sled Around Pine. Planted Fall, 1934 w/ 2-0 R/J/W; had 3-0 R replanted in Spring, 1964</p>															
Canopy Species	% Cover	Size Class	DBH	Age																																										
Red Pine	75	Log/Pole	12	85																																										
White Pine	15	Log	14																																											
Sub-Canopy Species	Density	Avg. Height	Size																																											
White Pine	Medium	Variable	Sapling																																											
Jack Pine	Low	Variable	Sapling																																											
26	42210 - Natural Red Pine	Sawtimber Poor	86.0	75	51-80	N/A	Good red pine, jack pine, white pine regen coming up in the stand. Residual red pine could be removed or left. Regen looks good in the stand. Stand could be cut now while regen is small and flexible or wait until it is older and then remove the top. Stand may not even need to be planted or trenched, assess after harvest.																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>90</td> <td>Log</td> <td>12</td> <td>75</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	90	Log	12	75	White Pine	10	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	High	Variable	Sapling	Red Pine	Low	Variable	Sapling	White Pine	Low	5 - 10 feet	Sapling	<p>Planted 1934, replant in 1964. Mixed age classes. Removed RP w/ dead tops. ORV trail is part of W. edge of stand. ***Stand harvested as "Louisiana Jack Pine" (42-017-01-01). Closed 6/08/04. Red Pine blowdown from Fall, 2003 storm after initial harvest - some pine salvaged 5/2004 (~ 10 cords). FTP 42-550 completed 7/2004. Regeneration count completed 6/3/08 = 228 t/ac (114J <1' height, 114 R). Walk-through check on 5/4/09 shows 1 - 3 foot JP, some R1 and M2.</p>											
Canopy Species	% Cover	Size Class	DBH	Age																																										
Red Pine	90	Log	12	75																																										
White Pine	10	Log	14																																											
Sub-Canopy Species	Density	Avg. Height	Size																																											
Jack Pine	High	Variable	Sapling																																											
Red Pine	Low	Variable	Sapling																																											
White Pine	Low	5 - 10 feet	Sapling																																											
27	42120 - Planted Jack Pine	Sapling Well	61.2	20	Immature	N/A	10-15' Jack pine with trace amounts of red and white pine scattered throughout the stand. JP looks healthy.																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>95</td> <td>Sapling</td> <td>4</td> <td>20</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Jack Pine	95	Sapling	4	20						<p>Sale #26-91 cut in 1995-97; scarified in 11/1998 (FTP # 42-425). Some A1/A2 in places, and residual J/R (3" dbh avg) with some dead leaders. Stand planted in Spring, 2001. Regeneration count completed May, 2004 = 638 t/ac (480 planted, 158 nat'l). Seedlings ~ 2' tall in 2004. As of 4/30/09, seedlings 5 - 7' heights.</p>																													
Canopy Species	% Cover	Size Class	DBH	Age																																										
Jack Pine	95	Sapling	4	20																																										
28	429 - Mixed Upland Conifers	Sawtimber Well	22.6	117	81-110	N/A	Stand was recently acquired from the Nature Conservancy, Mainly large hemlock and white pine, some soft maple present along with larger dying beech on the fringes. Also spruce and some cedar transitioning into the lower more wet areas around the smaller lakes. Stand should be preserved to protect the water quality of the small seasonal lakes.																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>40</td> <td>Log</td> <td>16</td> <td>117</td> </tr> <tr> <td>Hemlock</td> <td>30</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	40	Log	16	117	Hemlock	30	Log	14		Red Maple	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	White Pine	Low	Variable	Sapling	Hemlock	Low	5 - 10 feet	Sapling	Beech	Low	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																										
White Pine	40	Log	16	117																																										
Hemlock	30	Log	14																																											
Red Maple	10	Pole	8																																											
Sub-Canopy Species	Density	Avg. Height	Size																																											
Red Maple	Medium	Variable	Sapling																																											
White Pine	Low	Variable	Sapling																																											
Hemlock	Low	5 - 10 feet	Sapling																																											
Beech	Low	Variable	Sapling																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																												
29	42210 - Natural Red Pine	Sawtimber Poor	89.9	85	81-110	N/A	Stand was harvested and left all red and white pine. Jack pine and aspen were only species removed. South end of stand is thicker to red and white pine. Stand should be released via selection to release regeneration. ORV trail runs through the stand. ***Stand harvested as "Lost Tally Book Jack Pine" (42-034-01-01). Cut in May-June, 2003 - closed 6/1/04. FTP 42-557 completed 6/2004. Regen count completed 6/3/08 = 629 t/ac (123J, 260A, 178W, 27R, 41BF). Residual BA averages 30 (up to 80). MO of mixed spp is acceptable. Planted Fall, 1934 w/ J/W/R.																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>80</td> <td>Log</td> <td>12</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	80	Log	12	85	White Pine	15	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	5 - 10 feet	Sapling	Red Pine	Low	Variable	Sapling	Bigtooth Aspen	Medium	10 - 20 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	80	Log	12	85																															
White Pine	15	Log	14																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	Medium	5 - 10 feet	Sapling																																
Red Pine	Low	Variable	Sapling																																
Bigtooth Aspen	Medium	10 - 20 feet	Sapling																																
30	42290 - Natural Mixed Pine	Sapling Medium	5.8	16	Immature	N/A	Good regen coming in rp, jp, wp. ***Stand harvested as "Lost Tally Book Jack Pine" (42-034-01-01) (Unit 4). Stand harvested in May, 2002. Most of site was NOT scarified (42-557) due to old slash and presence of good WP, RP regeneration. Continue to monitor for successful regeneration. (see stand 29 comment) Planted Fall, 1934: 2-0 J/R/W. Frost pocket; limby trees.																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>13</td> <td>97</td> </tr> <tr> <td>Red Pine</td> <td>15</td> <td>Log</td> <td>11</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>30</td> <td>Sapling</td> <td>2</td> <td>16</td> </tr> <tr> <td>White Pine</td> <td>30</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	15	Log	13	97	Red Pine	15	Log	11		Jack Pine	30	Sapling	2	16	White Pine	30	Sapling	2		Red Pine	10	Sapling	2				
Canopy Species	% Cover	Size Class	DBH	Age																															
White Pine	15	Log	13	97																															
Red Pine	15	Log	11																																
Jack Pine	30	Sapling	2	16																															
White Pine	30	Sapling	2																																
Red Pine	10	Sapling	2																																
31	42110 - Planted Red Pine	Sawtimber Medium	43.1	85	1-50	N/A	Pole/Log size red and white pine left after harvest in the 90's. Stand could be seed treed or overstory removal. Sale #43-91 (cut 1995-96) No record of scarification being completed (FTP # 42-403). Aspen, maple, R1, J2 regeneration all noted.																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>85</td> <td>Log</td> <td>12</td> <td>85</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	85	Log	12	85	White Pine	15	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	Variable	Sapling	Red Pine	Low	Variable	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	85	Log	12	85																															
White Pine	15	Log	14																																
Sub-Canopy Species	Density	Avg. Height	Size																																
Jack Pine	Medium	Variable	Sapling																																
Red Pine	Low	Variable	Sapling																																
33	42210 - Natural Red Pine	Sawtimber Poor	12.6	88	51-80	N/A	Mainly red pine remaining with some advanced regen coming in after last harvest. Leave stand for next entry and potentially remove the overstory. Part of sale #28-91 (FTP 42-365); treated 1995-96. Regeneration count done 6/1998: 0 % plots stocked; # trees/ac = 67. Planting accomplished in April, 2000 w/ 2-0 JP. MO of mixed pine is acceptable. JP now 3 - 5' height, with some 1' RP regeneration.																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>90</td> <td>Log</td> <td>12</td> <td>88</td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	90	Log	12	88	<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	Variable	Sapling	Jack Pine	Low	5 - 10 feet	Sapling									
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	90	Log	12	88																															
Sub-Canopy Species	Density	Avg. Height	Size																																
Red Pine	Low	Variable	Sapling																																
Jack Pine	Low	5 - 10 feet	Sapling																																
34	42210 - Natural Red Pine	Sawtimber Medium	20.3	81	81-110	N/A	Red pine stand decent quality, not a lot of regen coming up underneath overstory. Part of sale #28-91 (FTP #42-365); treated in 1995-96. Regen count in 6/1998: 0 % plots stocked, trees/ac = 67. Never planted (was scheduled for April, 2000). Residual was high enough that it was not necessary. Thin pine this entry (with adjacent stand 35), and manage for mixed pine.																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>80</td> <td>Log/Pole</td> <td>11</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	80	Log/Pole	11	81	White Pine	20	Log/Pole	12																			
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	80	Log/Pole	11	81																															
White Pine	20	Log/Pole	12																																
35	42210 - Natural Red Pine	Sawtimber Well	8.6	81	81-110	N/A	Nice red pine stand with some white pine with balsam and birch mixed in throughout. Smaller diameters but could be thinned. Stand has higher stocking than adjacent stand 34. Original planting done in Fall, 1938 w/ 3-0 R/J.																												
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log/Pole</td> <td>10</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>12</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	75	Log/Pole	10	81	White Pine	20	Log	12		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine	Low	Variable	Sapling	Red Pine	Low	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																															
Red Pine	75	Log/Pole	10	81																															
White Pine	20	Log	12																																
Sub-Canopy Species	Density	Avg. Height	Size																																
White Pine	Low	Variable	Sapling																																
Red Pine	Low	5 - 10 feet	Sapling																																
Balsam Fir	Low	5 - 10 feet	Sapling																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
36	4319 - Mixed Upland Forest	Sapling Medium	18.0	35	51-80	N/A	Sale # 37-83; final harvest in 6/1983. Stand varies - portion is A2/M2, other areas W2/F2/H component w/ residual WP. Thick reproduction overall.																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>25</td> <td>Log/Pole/Sap</td> <td>14</td> <td>90</td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Sapling</td> <td>3</td> <td>35</td> </tr> <tr> <td>Balsam Fir</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Sapling/Pole</td> <td>4</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Sapling</td> <td>3</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	25	Log/Pole/Sap	14	90	Red Maple	30	Sapling	3	35	Balsam Fir	15	Sapling	3		Bigtooth Aspen	10	Sapling/Pole	4		Hemlock	15	Sapling	3																	
Canopy Species	% Cover	Size Class	DBH	Age																																											
White Pine	25	Log/Pole/Sap	14	90																																											
Red Maple	30	Sapling	3	35																																											
Balsam Fir	15	Sapling	3																																												
Bigtooth Aspen	10	Sapling/Pole	4																																												
Hemlock	15	Sapling	3																																												
37	42210 - Natural Red Pine	Sawtimber Well	11.5	81	51-80	N/A	Part of this stand was thinned in 1984. Mixed commercial spps. Includes: aspen, white pine pulp, and red maple. Stand was thinned again in the summer, 2003 (Davis Lake Pine #031-01) and due to fall, 2003 windstorm, red pine blowdown was salvaged in May, 2004 (~ 14 cords). Sale closed 6/8/04. Thin for seed or shelterwood cut treatment. Old skid trails have good R,J regeneration started (2 - 4' hts), as well as A,M,F scattered throughout.																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log/Pole</td> <td>12</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log/Pole	12	81	White Pine	15	Log	14		Paper Birch	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Medium	Variable	Sapling	Quaking Aspen	Low	Variable	Sapling	Red Maple	Low	Variable	Sapling	Jack Pine	Low	5 - 10 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																											
Red Pine	75	Log/Pole	12	81																																											
White Pine	15	Log	14																																												
Paper Birch	10	Pole	8																																												
Sub-Canopy Species	Density	Avg. Height	Size																																												
Red Pine	Medium	Variable	Sapling																																												
Quaking Aspen	Low	Variable	Sapling																																												
Red Maple	Low	Variable	Sapling																																												
Jack Pine	Low	5 - 10 feet	Sapling																																												
38	42200 - Natural White Pine	Sawtimber Medium	6.6	81	1-50	N/A	Open-grown WP and A. Stand was cut in the late 80s. Leaving larger limby white pine and poor form aspen behind. A few red pine also remain in the stand. Stand should be clearcut or seed treed and scarified to promote to regeneration.																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>70</td> <td>Log</td> <td>12</td> <td>81</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Pine</td> <td>10</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	70	Log	12	81	Bigtooth Aspen	10	Pole	8		Red Pine	10	Log/Pole	11		Paper Birch	10	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low	Variable	Sapling	Jack Pine	Low	Variable	Sapling	White Pine	Low	Variable	Sapling			
Canopy Species	% Cover	Size Class	DBH	Age																																											
White Pine	70	Log	12	81																																											
Bigtooth Aspen	10	Pole	8																																												
Red Pine	10	Log/Pole	11																																												
Paper Birch	10	Pole	8																																												
Sub-Canopy Species	Density	Avg. Height	Size																																												
Bigtooth Aspen	Low	Variable	Sapling																																												
Jack Pine	Low	Variable	Sapling																																												
White Pine	Low	Variable	Sapling																																												
39	42210 - Natural Red Pine	Sawtimber Well	7.3	81	81-110	N/A	Planted Fall, 1938 w/J/R. RP was thinned in 1984 and is the E. edge of the stand. Stand was thinned again in summer, 2003 (Davis Lake Pine #031-01) and due to windstorm damage in the fall, 2003, blowdown red and white pine were salvaged in May, 2004 (~ 14 cords from sale area). Buffer was left along lake. Sale was closed 6/8/04. No scarification planned. Thin for seed this entry.																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>85</td> <td>Log</td> <td>13</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>15</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	85	Log	13	81	White Pine	10	Log	15		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Pine	Low	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling																	
Canopy Species	% Cover	Size Class	DBH	Age																																											
Red Pine	85	Log	13	81																																											
White Pine	10	Log	15																																												
Sub-Canopy Species	Density	Avg. Height	Size																																												
Red Pine	Low	5 - 10 feet	Sapling																																												
White Pine	Low	Variable	Sapling																																												
40	500 - Water	Nonstocked	9.7		Unspecified	No	DAVIS LAKE (Lake edge fluctuates).																																								
42	42210 - Natural Red Pine	Sawtimber Poor	33.6	90	1-50	N/A	Stand mainly overstory hemlock, white pine and some cedar in the lower areas. Lots of regen coming in underneath the remaining overstory. Maple, hemlock, white pine, beech, aspen, and some paper birch comprise the regen. Stand harvested via final harvest as sale #42-017-11-01. Completed 11/05/12. Scarification work not done due to the high residual BA left.																																								
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>75</td> <td>Log</td> <td>14</td> <td>90</td> </tr> <tr> <td>White Pine</td> <td>25</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Pine	75	Log	14	90	White Pine	25	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Jack Pine</td> <td>Medium</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	5 - 10 feet	Sapling	Beech	Medium	Variable	Sapling	Quaking Aspen	Medium	Variable	Sapling	White Pine	Low	5 - 10 feet	Sapling	Jack Pine	Medium	< 5 feet	Sapling					
Canopy Species	% Cover	Size Class	DBH	Age																																											
Red Pine	75	Log	14	90																																											
White Pine	25	Log	14																																												
Sub-Canopy Species	Density	Avg. Height	Size																																												
Red Maple	Medium	5 - 10 feet	Sapling																																												
Beech	Medium	Variable	Sapling																																												
Quaking Aspen	Medium	Variable	Sapling																																												
White Pine	Low	5 - 10 feet	Sapling																																												
Jack Pine	Medium	< 5 feet	Sapling																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																										
43	42210 - Natural Red Pine	Sawtimber Well	19.6	81	81-110	N/A	Stand was left last time as an uncut buffer for wildlife. Nice red and white pine with jack pine and aspen that are starting to become overmatured. Some larger (11"+) timber within. Blends into surrounding stands but contains more W,A here. Planted Fall, 1938 w/ J/R/W.																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>60</td> <td>Log</td> <td>12</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/XLog</td> <td>15</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	60	Log	12	81	White Pine	20	Log/XLog	15		Jack Pine	15	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Bigtooth Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Bigtooth Aspen	Low	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling																											
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Red Pine	60	Log	12	81																																																													
White Pine	20	Log/XLog	15																																																														
Jack Pine	15	Pole	8																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Bigtooth Aspen	Low	5 - 10 feet	Sapling																																																														
White Pine	Low	Variable	Sapling																																																														
44	42210 - Natural Red Pine	Sawtimber Medium	34.1	81	81-110	N/A	Stand had all jack pine, aspen, and birch removed. As well as red and white pine. Residual BA is slightly high still and could be cut to release the regen that is coming in. Stand could be clear cut and site prep spray trench and plant. If not seed tree stand and remove overstory in 10 years. Stand harvested via final harvest as sale #42-017-11-01. Completed 11/05/12. Planted Fall, 1938 w/ 3-0 R/J/W.																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Pine</td> <td>80</td> <td>Log/Pole</td> <td>13</td> <td>81</td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Pine	80	Log/Pole	13	81	White Pine	20	Log	14		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Jack Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>< 5 feet</td> <td>Sapling</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Jack Pine	Medium	Variable	Sapling	Red Maple	Medium	5 - 10 feet	Sapling	Bigtooth Aspen	Medium	Variable	Sapling	White Pine	Low	< 5 feet	Sapling																								
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Red Pine	80	Log/Pole	13	81																																																													
White Pine	20	Log	14																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Jack Pine	Medium	Variable	Sapling																																																														
Red Maple	Medium	5 - 10 feet	Sapling																																																														
Bigtooth Aspen	Medium	Variable	Sapling																																																														
White Pine	Low	< 5 feet	Sapling																																																														
45	42200 - Natural White Pine	Poletimber Medium	28.2	77	51-80	N/A	Stand mainly white pine with traces of red pine. Contains small G type (frost pocket); also contains M type along CR 416 which is too small to separate out, and small JP. Firelane road expanded w/ t. sale to W. in 2000 - lots of WP regeneration along it now in 2009.																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>60</td> <td>Pole</td> <td>9</td> <td>77</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Jack Pine</td> <td>10</td> <td>Pole/Sapling</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	60	Pole	9	77	Bigtooth Aspen	20	Pole	9		Jack Pine	10	Pole/Sapling	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	White Pine	Medium	5 - 10 feet	Sapling	Bigtooth Aspen	Medium	5 - 10 feet	Sapling																							
Canopy Species	% Cover	Size Class	DBH	Age																																																													
White Pine	60	Pole	9	77																																																													
Bigtooth Aspen	20	Pole	9																																																														
Jack Pine	10	Pole/Sapling	6																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	Medium	Variable	Sapling																																																														
White Pine	Medium	5 - 10 feet	Sapling																																																														
Bigtooth Aspen	Medium	5 - 10 feet	Sapling																																																														
46	4319 - Mixed Upland Forest	Sapling Poor	16.1	7	1-50	N/A	White pine is left after last harvest, stand has a thick flush of regen mainly maple, aspen, fir, and some white pine. Tried to encourage more WP regeneration by removing misc. spp. Overstory WP is limby and weeviled. Dead/dying beech was left as snags. Firelane expanded due to t. sale to W. in 2000 - heavy W3 regeneration noted in 2009 where soil was exposed. Stand harvested via selection harvest as sale #42-017-11-01. Completed 11/05/12.																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>25</td> <td>Sapling</td> <td>2</td> <td>7</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>20</td> <td>Sapling</td> <td>2</td> <td></td> </tr> <tr> <td>White Pine</td> <td>20</td> <td>Log/Pole/Sap</td> <td>15</td> <td>77</td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Sapling</td> <td>2</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Red Maple	25	Sapling	2	7	Bigtooth Aspen	20	Sapling	2		Balsam Fir	20	Sapling	2		White Pine	20	Log/Pole/Sap	15	77	Quaking Aspen	10	Sapling	2																																		
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Red Maple	25	Sapling	2	7																																																													
Bigtooth Aspen	20	Sapling	2																																																														
Balsam Fir	20	Sapling	2																																																														
White Pine	20	Log/Pole/Sap	15	77																																																													
Quaking Aspen	10	Sapling	2																																																														
47	4319 - Mixed Upland Forest	Sawtimber Well	61.0	97	51-80	N/A	Lots of cull, big beech mast trees; poor quality (bear sign on tree bark) and/or dead (beech snap). No real crop maple trees to encourage; should let the stand revert to WP, H, which is doing well here (mixed softwood products). Equal amounts of M and F in understory.																																																										
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>20</td> <td>Log</td> <td>12</td> <td>97</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/XLog</td> <td>14</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Beech	15	Log/Pole	10		Sugar Maple	20	Log	12	97	Red Maple	15	Log/Pole	10		Hemlock	15	Log	12		White Pine	15	Log/XLog	14		Balsam Fir	10	Pole	6		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>High</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>				Sub-Canopy Species	Density	Avg. Height	Size	Beech	Medium	Variable	Sapling	Sugar Maple	High	Variable	Sapling	Red Maple	Medium	Variable	Sapling	Balsam Fir	Medium	10 - 20 feet	Sapling	White Pine	Medium	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																													
Beech	15	Log/Pole	10																																																														
Sugar Maple	20	Log	12	97																																																													
Red Maple	15	Log/Pole	10																																																														
Hemlock	15	Log	12																																																														
White Pine	15	Log/XLog	14																																																														
Balsam Fir	10	Pole	6																																																														
Sub-Canopy Species	Density	Avg. Height	Size																																																														
Beech	Medium	Variable	Sapling																																																														
Sugar Maple	High	Variable	Sapling																																																														
Red Maple	Medium	Variable	Sapling																																																														
Balsam Fir	Medium	10 - 20 feet	Sapling																																																														
White Pine	Medium	Variable	Sapling																																																														



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																													
48	4115 - Y.Birch, Hemlock NH	Sawtimber Well	15.1	100	81-110	N/A	Stand heavy to beech and red maple, some sugar present. Yellow birch, mixed aspen, and hemlock are all present. WP heavy along lake edge; camping sites are evident. Beech dead now from BBD and snap. Hemlock regen present in the stand.																																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td>100</td> </tr> <tr> <td>Beech</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>10</td> <td>Log/Pole</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log/XLog</td> <td>15</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	15	Log/Pole	10		Red Maple	20	Log/Pole	10	100	Beech	15	Log/Pole	10		Hemlock	10	Log/Pole	14		White Pine	15	Log/XLog	15		Yellow Birch	10	Pole	9		Bigtooth Aspen	10	Pole	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Sugar Maple	Low	Variable	Sapling	Beech	Medium	10 - 20 feet	Sapling	Hemlock	Low	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling
Canopy Species	% Cover	Size Class	DBH	Age																																																																
Sugar Maple	15	Log/Pole	10																																																																	
Red Maple	20	Log/Pole	10	100																																																																
Beech	15	Log/Pole	10																																																																	
Hemlock	10	Log/Pole	14																																																																	
White Pine	15	Log/XLog	15																																																																	
Yellow Birch	10	Pole	9																																																																	
Bigtooth Aspen	10	Pole	9																																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																																	
Red Maple	Medium	Variable	Sapling																																																																	
Sugar Maple	Low	Variable	Sapling																																																																	
Beech	Medium	10 - 20 feet	Sapling																																																																	
Hemlock	Low	5 - 10 feet	Sapling																																																																	
White Pine	Low	Variable	Sapling																																																																	
49	500 - Water	Nonstocked	32.9		Unspecified	No	TANK LAKE																																																													
50	500 - Water	Nonstocked	3.6		Unspecified	No	water/ marsh																																																													
51	500 - Water	Nonstocked	1.4		Unspecified	No	water/ marsh; leatherleaf within																																																													
52	42200 - Natural White Pine	Sawtimber Well	30.7	88	81-110	N/A	Mainly white and some red pine. Some Oak present; aspen is dying out. Reproduction of W/F is good, though, Could treat now to release regen or hold until next entry. Mixed commercial spp includes: hemlock, red maple, white spruce - some beech within, which is dead now.																																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>60</td> <td>Log/Pole</td> <td>14</td> <td>88</td> </tr> <tr> <td>Hemlock</td> <td>10</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>6</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		White Pine	60	Log/Pole	14	88	Hemlock	10	Log/Pole	11		Red Maple	10	Pole	6																																															
Canopy Species	% Cover	Size Class	DBH	Age																																																																
White Pine	60	Log/Pole	14	88																																																																
Hemlock	10	Log/Pole	11																																																																	
Red Maple	10	Pole	6																																																																	
53	500 - Water	Nonstocked	8.1		Unspecified	No	water/ marsh - leatherleaf, grasses with willow on edges																																																													
54	4115 - Y.Birch, Hemlock NH	Sawtimber Well	6.0	95	81-110	N/A	A good quantity of red maple, H reproduction evident; manage for W/H. Beech within stand last entry is now either dead and/or dying. No treatment on stand for now.																																																													
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Beech</td> <td>20</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>35</td> <td>Log/Pole</td> <td>12</td> <td>95</td> </tr> <tr> <td>White Pine</td> <td>15</td> <td>Log</td> <td>15</td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Beech	20	Log/Pole	10		Hemlock	15	Log/Pole	11		Red Maple	35	Log/Pole	12	95	White Pine	15	Log	15		Balsam Fir	10	Pole	5		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Beech	Medium	Variable	Sapling	Balsam Fir	Medium	5 - 10 feet	Sapling	Hemlock	Low	Variable	Sapling														
Canopy Species	% Cover	Size Class	DBH	Age																																																																
Beech	20	Log/Pole	10																																																																	
Hemlock	15	Log/Pole	11																																																																	
Red Maple	35	Log/Pole	12	95																																																																
White Pine	15	Log	15																																																																	
Balsam Fir	10	Pole	5																																																																	
Sub-Canopy Species	Density	Avg. Height	Size																																																																	
Red Maple	Medium	Variable	Sapling																																																																	
Beech	Medium	Variable	Sapling																																																																	
Balsam Fir	Medium	5 - 10 feet	Sapling																																																																	
Hemlock	Low	Variable	Sapling																																																																	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
55	42350 - Upland Hemlock	Sawtimber Medium	28.4	96	51-80	N/A	Stand mainly hemlock and white pine overstory with some cedar in the lower areas. Lots of regen coming in underneath the remaining overstory. Maple, hemlock, white pine, beech, aspen, and some paper birch comprise the regen.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>50</td> <td>Log</td> <td>14</td> <td>96</td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Hemlock	50	Log	14	96	White Pine	35	Log	14		Northern White Cedar	10	Log/Pole	10		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Hemlock</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Quaking Aspen</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Hemlock	Medium	Variable	Sapling	Red Maple	Medium	5 - 10 feet	Sapling	Beech	Medium	Variable	Sapling	Quaking Aspen	Low	5 - 10 feet	Sapling	Balsam Fir	Medium	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling	<p>Part of "Lucky 7 Hardwoods" sale #23-99 (unit 2) - cut summer, 2002. Some looper damage during/following cut year. Stand was harvested with H objective. H regeneration is apparent, although areas which are more open are heavier to W/F/M regeneration. Leave tree beech trees are now dead/snapped off, so some of the overstory protecting for establishing seedlings was lost. Smaller residual H within stand (2-3" dbh and 20-25' heights) doing well with release.</p>										
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Hemlock	50	Log	14	96																																																										
White Pine	35	Log	14																																																											
Northern White Cedar	10	Log/Pole	10																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Hemlock	Medium	Variable	Sapling																																																											
Red Maple	Medium	5 - 10 feet	Sapling																																																											
Beech	Medium	Variable	Sapling																																																											
Quaking Aspen	Low	5 - 10 feet	Sapling																																																											
Balsam Fir	Medium	5 - 10 feet	Sapling																																																											
White Pine	Low	Variable	Sapling																																																											
56	500 - Water	Nonstocked	1.4		Unspecified	No	seasonally flooded water/ marsh																																																							
57	429 - Mixed Upland Conifers	Sawtimber Well	77.0	97	111-140	N/A	Mainly white pine and hemlock surrounding Bennett Lake areas. Birch present is dying out. Very scenic around lake; may not be wise to harvest. Road building would be necessary, and the isolation of this lake would be lost. N. end (around stand 53) contains thick W6/W2, especially closer to marsh edges. Mixed softwoods include: C,H,S. Mixed hardwoods include: PB, RM, beech, A.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>50</td> <td>Log/XLog</td> <td>15</td> <td>97</td> </tr> <tr> <td>Paper Birch</td> <td>8</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Quaking Aspen</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole/Log</td> <td>9</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	White Pine	50	Log/XLog	15	97	Paper Birch	8	Pole	9		Quaking Aspen	10	Pole	8		Red Maple	15	Pole/Log	9		Hemlock	10	Log	14																																
Canopy Species	% Cover	Size Class	DBH	Age																																																										
White Pine	50	Log/XLog	15	97																																																										
Paper Birch	8	Pole	9																																																											
Quaking Aspen	10	Pole	8																																																											
Red Maple	15	Pole/Log	9																																																											
Hemlock	10	Log	14																																																											
58	500 - Water	Nonstocked	32.3		Unspecified	No	BENNETT LAKE (with associated surrounding marsh pockets for lake fluctuation)																																																							
59	4115 - Y.Birch, Hemlock NH	Sawtimber Medium	21.4	93	51-80	N/A	Stand harvested via selection harvest as sale #42-017-11-01. Completed 11/05/12. Large timber--low quality and mostly defective. Most of beech is dead (BBD, beech snap)/dying since last inventory. Good M3 understory (2 -3 " dbh and 25' hts), though. Some wet ground.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>35</td> <td>Log/Pole</td> <td>10</td> <td>93</td> </tr> <tr> <td>Beech</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>15</td> <td>Log</td> <td>12</td> <td></td> </tr> <tr> <td>White Pine</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>Sugar Maple</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Yellow Birch</td> <td>8</td> <td>Pole</td> <td>8</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Red Maple	35	Log/Pole	10	93	Beech	15	Pole	9		Hemlock	15	Log	12		White Pine	10	Log	14		Sugar Maple	10	Log/Pole	10		Yellow Birch	8	Pole	8		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Hemlock</td> <td>Low</td> <td>10 - 20 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Beech	Medium	5 - 10 feet	Sapling	White Pine	Low	Variable	Sapling	Hemlock	Low	10 - 20 feet	Sapling				
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Red Maple	35	Log/Pole	10	93																																																										
Beech	15	Pole	9																																																											
Hemlock	15	Log	12																																																											
White Pine	10	Log	14																																																											
Sugar Maple	10	Log/Pole	10																																																											
Yellow Birch	8	Pole	8																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Medium	Variable	Sapling																																																											
Beech	Medium	5 - 10 feet	Sapling																																																											
White Pine	Low	Variable	Sapling																																																											
Hemlock	Low	10 - 20 feet	Sapling																																																											
60	500 - Water	Nonstocked	9.2		Unspecified	No	Seasonally flooded water/ marsh																																																							
61	4112 - Maple, Beech, Cherry Association	Sawtimber Well	67.2	103	81-110	N/A	Conifers on fringes of the stand. Mainly red and sugar maple with beech thickets throughout the stand. Some white pine and hemlock scattered within the stand. Lots of regeneration: 2-3" avg. dbh. Beech dead/dying since last entry. Access would be across private lands.																																																							
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>20</td> <td>Log/Pole</td> <td>11</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>50</td> <td>Log/Pole</td> <td>11</td> <td>103</td> </tr> <tr> <td>Beech</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age	Sugar Maple	20	Log/Pole	11		Red Maple	50	Log/Pole	11	103	Beech	10	Pole	9		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Beech</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Beech	Medium	Variable	Sapling	Sugar Maple	Medium	Variable	Sapling																							
Canopy Species	% Cover	Size Class	DBH	Age																																																										
Sugar Maple	20	Log/Pole	11																																																											
Red Maple	50	Log/Pole	11	103																																																										
Beech	10	Pole	9																																																											
Sub-Canopy Species	Density	Avg. Height	Size																																																											
Red Maple	Medium	Variable	Sapling																																																											
Beech	Medium	Variable	Sapling																																																											
Sugar Maple	Medium	Variable	Sapling																																																											



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																															
62	6229 - Mixed lowland shrub	Nonstocked	51.8		Unspecified	No	Very wet low ground stand. Sub merchantable spruce and tamarack out in the middle. Leatherleaf and some tag alder as well. Two-Hearted River Zone.																																																															
63	42200 - Natural White Pine	Sawtimber Well	21.2	100	81-110	N/A	Two-Hearted River Zone. Stand falls in the middle of the north branch of the Two Hearted river. White pine and red pine with some birch and aspen can be seen from the edge. Stand is inaccessible.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>80</td> <td>Log/XLog</td> <td>14</td> <td>100</td> </tr> <tr> <td>Hemlock</td> <td>10</td> <td>Log</td> <td>14</td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	White Pine	80	Log/XLog	14	100	Hemlock	10	Log	14																																																	
Canopy Species	% Cover	Size Class	DBH	Age																																																																		
White Pine	80	Log/XLog	14	100																																																																		
Hemlock	10	Log	14																																																																			
64	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	31.0	70	51-80	N/A	Low wet stand full of water. Trees are low quality and stressed from flooding. Small pole diameter spruce, tamarack, cedar, yellow birch, and some larger scattered white pine on a narrow ridge in the middle of the stand. Two-Hearted River Zone. SCA = biodiversity stewardship																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Black Spruce</td> <td>37</td> <td>Sapling/Pole</td> <td>4</td> <td>70</td> <td>Tag Alder</td> <td>Low</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Tamarack</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td>Leatherleaf</td> <td>Medium</td> <td>5 - 10 feet</td> <td>Tall Shrub</td> </tr> <tr> <td>Northern White Cedar</td> <td>25</td> <td>Pole/Sapling</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Black Spruce	37	Sapling/Pole	4	70	Tag Alder	Low	5 - 10 feet	Tall Shrub	Tamarack	25	Pole/Sapling	5		Leatherleaf	Medium	5 - 10 feet	Tall Shrub	Northern White Cedar	25	Pole/Sapling	5																																
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Black Spruce	37	Sapling/Pole	4	70	Tag Alder	Low	5 - 10 feet	Tall Shrub																																																														
Tamarack	25	Pole/Sapling	5		Leatherleaf	Medium	5 - 10 feet	Tall Shrub																																																														
Northern White Cedar	25	Pole/Sapling	5																																																																			
66	429 - Mixed Upland Conifers	Sawtimber Well	36.6	87	81-110	N/A	Two Hearted River Zone. Stand is wet. White pine, cedar, red maple, black spruce, yellow birch, and a few scattered red pine make up the stand. Understory is thick fir and maple.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>50</td> <td>Log/XLog</td> <td>16</td> <td>87</td> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Pole</td> <td>9</td> <td></td> <td>White Pine</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Black Spruce</td> <td>15</td> <td>Pole</td> <td>8</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	50	Log/XLog	16	87	Red Maple	Medium	Variable	Sapling	Red Maple	15	Pole	8		Balsam Fir	Medium	Variable	Sapling	Northern White Cedar	10	Pole	9		White Pine	Low	Variable	Sapling	Black Spruce	15	Pole	8																							
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	50	Log/XLog	16	87	Red Maple	Medium	Variable	Sapling																																																														
Red Maple	15	Pole	8		Balsam Fir	Medium	Variable	Sapling																																																														
Northern White Cedar	10	Pole	9		White Pine	Low	Variable	Sapling																																																														
Black Spruce	15	Pole	8																																																																			
68	4319 - Mixed Upland Forest	Sawtimber Well	9.2	111	111-140	N/A	Mixed white pine, paper birch, red maple, cedar, some black spruce, yellow birch, and a trace amount of red pine scattered within the stand. Hardwood is dying--encourage WP; wetter ground. Leave cedar. Two-Hearted River Zone.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>45</td> <td>Log/Pole</td> <td>12</td> <td>111</td> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>35</td> <td>Log/XLog</td> <td>16</td> <td></td> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	45	Log/Pole	12	111	Red Maple	Medium	Variable	Sapling	White Pine	35	Log/XLog	16		White Pine	Medium	Variable	Sapling						Balsam Fir	Low	5 - 10 feet	Sapling																											
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
Red Maple	45	Log/Pole	12	111	Red Maple	Medium	Variable	Sapling																																																														
White Pine	35	Log/XLog	16		White Pine	Medium	Variable	Sapling																																																														
					Balsam Fir	Low	5 - 10 feet	Sapling																																																														
69	429 - Mixed Upland Conifers	Sawtimber Well	10.3	97	51-80	N/A	Wet ground; Mainly white pine and some maple; Aspen and beech are dying -- manage for WP. Within Two-Hearted River Zone.																																																															
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>50</td> <td>Log</td> <td>15</td> <td>97</td> <td>Balsam Fir</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Paper Birch</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> <td>Red Maple</td> <td>Low</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Bigtooth Aspen</td> <td>10</td> <td>Pole</td> <td>8</td> <td></td> <td>White Pine</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Red Maple</td> <td>10</td> <td>Pole</td> <td>7</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Northern White Cedar</td> <td>10</td> <td>Log/Pole</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Balsam Fir</td> <td>10</td> <td>Pole</td> <td>5</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>								Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	White Pine	50	Log	15	97	Balsam Fir	Medium	Variable	Sapling	Paper Birch	10	Pole	8		Red Maple	Low	Variable	Sapling	Bigtooth Aspen	10	Pole	8		White Pine	Medium	Variable	Sapling	Red Maple	10	Pole	7						Northern White Cedar	10	Log/Pole	10						Balsam Fir	10	Pole	5					
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size																																																														
White Pine	50	Log	15	97	Balsam Fir	Medium	Variable	Sapling																																																														
Paper Birch	10	Pole	8		Red Maple	Low	Variable	Sapling																																																														
Bigtooth Aspen	10	Pole	8		White Pine	Medium	Variable	Sapling																																																														
Red Maple	10	Pole	7																																																																			
Northern White Cedar	10	Log/Pole	10																																																																			
Balsam Fir	10	Pole	5																																																																			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																			
70	4119 - Mixed Northern Hardwoods	Sawtimber Well	16.3	113	81-110	N/A	Significant amount beech regeneration; low quality timber. Red and sugar maple both present within the stand. Scattered hemlock and a few white pine as well. Low quality site, treat with 61 &/or 69 when prescribed.																																																			
<table border="1"> <thead> <tr> <th>Canopy Species</th> <th>% Cover</th> <th>Size Class</th> <th>DBH</th> <th>Age</th> </tr> </thead> <tbody> <tr> <td>Sugar Maple</td> <td>20</td> <td>Log/Pole</td> <td>12</td> <td></td> </tr> <tr> <td>Red Maple</td> <td>30</td> <td>Log/Pole</td> <td>10</td> <td>113</td> </tr> <tr> <td>Beech</td> <td>15</td> <td>Log/Pole</td> <td>10</td> <td></td> </tr> <tr> <td>Paper Birch</td> <td>15</td> <td>Pole</td> <td>9</td> <td></td> </tr> <tr> <td>Hemlock</td> <td>8</td> <td>Log</td> <td>14</td> <td></td> </tr> <tr> <td>White Pine</td> <td>7</td> <td>Log/XLog</td> <td>16</td> <td></td> </tr> </tbody> </table>		Canopy Species	% Cover	Size Class	DBH	Age		Sugar Maple	20	Log/Pole	12		Red Maple	30	Log/Pole	10	113	Beech	15	Log/Pole	10		Paper Birch	15	Pole	9		Hemlock	8	Log	14		White Pine	7	Log/XLog	16		<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Red Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>Sugar Maple</td> <td>Medium</td> <td>Variable</td> <td>Sapling</td> </tr> <tr> <td>White Pine</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> <tr> <td>Balsam Fir</td> <td>Low</td> <td>5 - 10 feet</td> <td>Sapling</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Red Maple	Medium	Variable	Sapling	Sugar Maple	Medium	Variable	Sapling	White Pine	Low	5 - 10 feet	Sapling	Balsam Fir	Low	5 - 10 feet
Canopy Species	% Cover	Size Class	DBH	Age																																																						
Sugar Maple	20	Log/Pole	12																																																							
Red Maple	30	Log/Pole	10	113																																																						
Beech	15	Log/Pole	10																																																							
Paper Birch	15	Pole	9																																																							
Hemlock	8	Log	14																																																							
White Pine	7	Log/XLog	16																																																							
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Red Maple	Medium	Variable	Sapling																																																							
Sugar Maple	Medium	Variable	Sapling																																																							
White Pine	Low	5 - 10 feet	Sapling																																																							
Balsam Fir	Low	5 - 10 feet	Sapling																																																							
71	500 - Water	Nonstocked	23.6		Unspecified	No	Two Heart Zone. Water most of the year dries up to marsh in the summer months when water is low.																																																			
72	6229 - Mixed lowland shrub	Nonstocked	22.8		Unspecified	No	Sparse trees out in the flood plain of the north branch of the Two Hearted River. Spruce, tamarack, some thick areas of tag alder. A few larger white pine up on knobs in the north end of the stand. Two-Hearted River Zone.																																																			
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>Tamarack</td> <td>Low</td> <td>Variable</td> <td>Pole</td> </tr> <tr> <td>Black Spruce</td> <td>Low</td> <td>Variable</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	Tamarack		Low	Variable	Pole	Black Spruce	Low	Variable	Pole																																												
Sub-Canopy Species	Density	Avg. Height	Size																																																							
Tamarack	Low	Variable	Pole																																																							
Black Spruce	Low	Variable	Pole																																																							
73	500 - Water	Nonstocked	3.2		Unspecified	No																																																				
74	122 - Road/Parking Lot	Nonstocked	6.9		Unspecified	No	CO RD 416 and R.O.W.																																																			
75	500 - Water	Nonstocked	5.7		Unspecified	No																																																				
76	500 - Water	Nonstocked	9.1		Unspecified	No																																																				
441	3303 - Mixed Low Density Trees	Nonstocked	3.1		Unspecified	No	Open field contains some W4,J4, W7; lake overflow																																																			
<table border="1"> <thead> <tr> <th>Sub-Canopy Species</th> <th>Density</th> <th>Avg. Height</th> <th>Size</th> </tr> </thead> <tbody> <tr> <td>White Pine</td> <td>Medium</td> <td>>20 feet</td> <td>Pole</td> </tr> </tbody> </table>		Sub-Canopy Species	Density	Avg. Height	Size	White Pine		Medium	>20 feet	Pole																																																
Sub-Canopy Species	Density	Avg. Height	Size																																																							
White Pine	Medium	>20 feet	Pole																																																							