



Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32011

Entry Year 2022

Acreage: 1,098

County Marquette

Management Area: Dead Horse Moraines

Revision Date: 2020-07-23

Stand Examiner: Peter Holodnick

Legal Description:

T44N R23W Sec.22,27,34

Identified Planning Goals:

Soil and topography:

Carbondale-Rifle, Munuscong, Bergland and Ogemaw, Terrain is relatively level.

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

State land on the east and west, private on the north and south, similar types.

Unique Natural Features:

Red-shouldered hawk documented to SE. Great blue heron rookeries to the S and SW. Historical calypso orchid documented to W. Potential for northern goshawk and red-shouldered hawk. Potential for bald eagle, osprey, and great blue heron rookery. Potential for moose and wolf. Potential for wood turtle. Potential for auricled tway-blade, veiny meadow rue, western dock, Farwell's water-milfoil, alternate-leaved water-milfoil, and linear-leaved gentian along riparian areas. Potential for calypso orchid, rayless mountain ragwort, and ram's head lady'slipper in conifer swamps.

Archeological, Historical, and Cultural Features:

Special Management Designations or Considerations:

Potential SCA stands, 11,14,29,46,48,49,50,52,54,58,59,61,62,64,67.

Watershed and Fisheries Considerations:

Deer Creek, Dead Horse Creek. NLMMU – Darren Kramer: This compartment contains Deer Creek which serves as a tributary to Werners Creek (Whitefish River watershed). Deer Creek is designated a Type 1 trout stream less than 50' width. A 300' buffer is recommended for Deer Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, 100' plus 5' per 1% increase in slope; buffers are recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

Compartment 011 is found within the Dead Horse Moraines Management Area; on Ground Moraines in southeastern Marquette, southwestern Alger, and northwestern Delta Counties. The dominant Natural Communities are poor conifer swamps, mesic northern forests, and dry northern forests. Major forest cover types include Northern Hardwood, Aspen, and Mixed Lowland Conifer. This management area contains a large proportion of hardwood forest which regenerates well partly due to the heavier snow cover and lower deer numbers than the southern portion of this Management Area. The most significant wildlife management issues in the management area are: mast (hard and soft); mature forest (upland deciduous, especially aspen and mixed forest with little understory); coarse woody debris, early successional forest, and deer wintering complexes.

The following have been identified as featured species for the Dead Horse Moraines Management Area: black bear, pileated woodpecker, ruffed grouse, and white-tailed deer.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Groups subcrop below the glacial drift. These formations are quarried for

stone/dolomite elsewhere in the UP. The nearest gravel pit is located to the south of the compartment and potential appears to be good. Abandoned iron mines are located twelve miles to the northwest. This compartment has never been leased. There is no economic oil and gas production in the UP.

Vehicle Access:

Good to sections 22,34, via county road, and good two tracks, although it is restricted through gated private land, poor to section 27.

Survey Needs:

Recreational Facilities and Opportunities:

Hunting.

Fire Protection:

The compartment is under the GMU fire protection area.

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

Report 1 – Total Acres by Cover Type and Age Class

Gwinn Mgt. Unit
Peter Holodnick: Examiner

Compartment 11 Year of Entry 2022

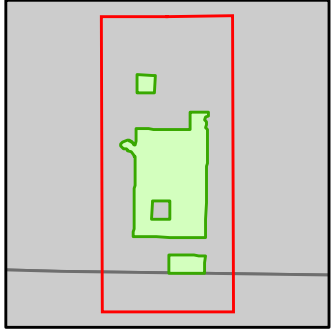


Age Class

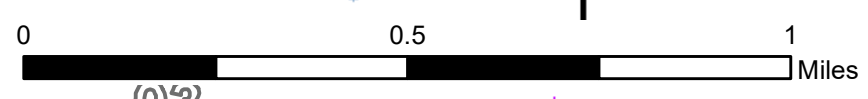
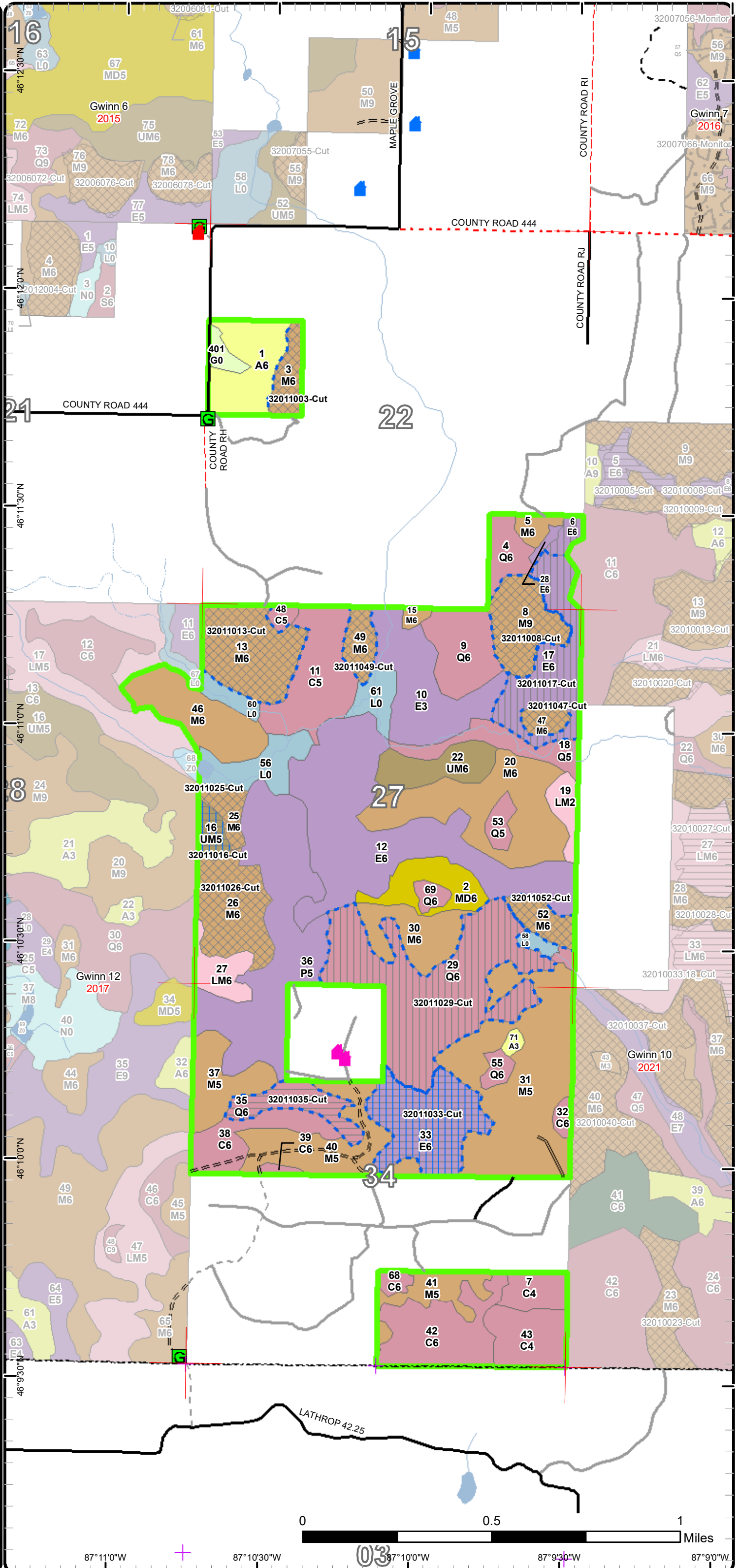
	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	2	0	0	26	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Cedar	0	0	0	0	0	0	0	0	0	22	35	3	68	0	0	0	0	0	128
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	78
Lowland Conifers	0	0	0	0	0	0	0	9	0	0	30	89	38	0	0	0	0	0	166
Lowland Deciduous	0	0	39	0	0	0	0	0	0	0	135	39	0	0	0	0	0	2	214
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	8	11	0	0	0	0	0	0	19
Lowland Shrub	34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	17
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	81	0	0	0	0	0	305	386
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24	24
Total	38	2	39	0	26	0	0	0	9	22	208	223	106	0	0	0	0	427	1098

Cover Type & Treatments Map

Compartment: 11
 T44N, R23W, Sec. 22, 27, 28, 24
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Dead Horse Moraines
 YOE: 2022
 Acres: 1097.8 GIS Calculated
 Examiner: Peter Holodnick
 Map Revised: 3/2/2021
 Map Phase: Post-Review



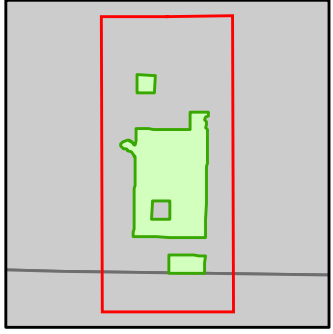
- Miris Corners
- Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cabin
- House
- Structure, Seasonal Dwelling
- Gate
- Compartment Boundary
- Treatments with Site Conditions
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Seed Tree (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 310 - Herbaceous Openland
- 622 - Lowland Shrub



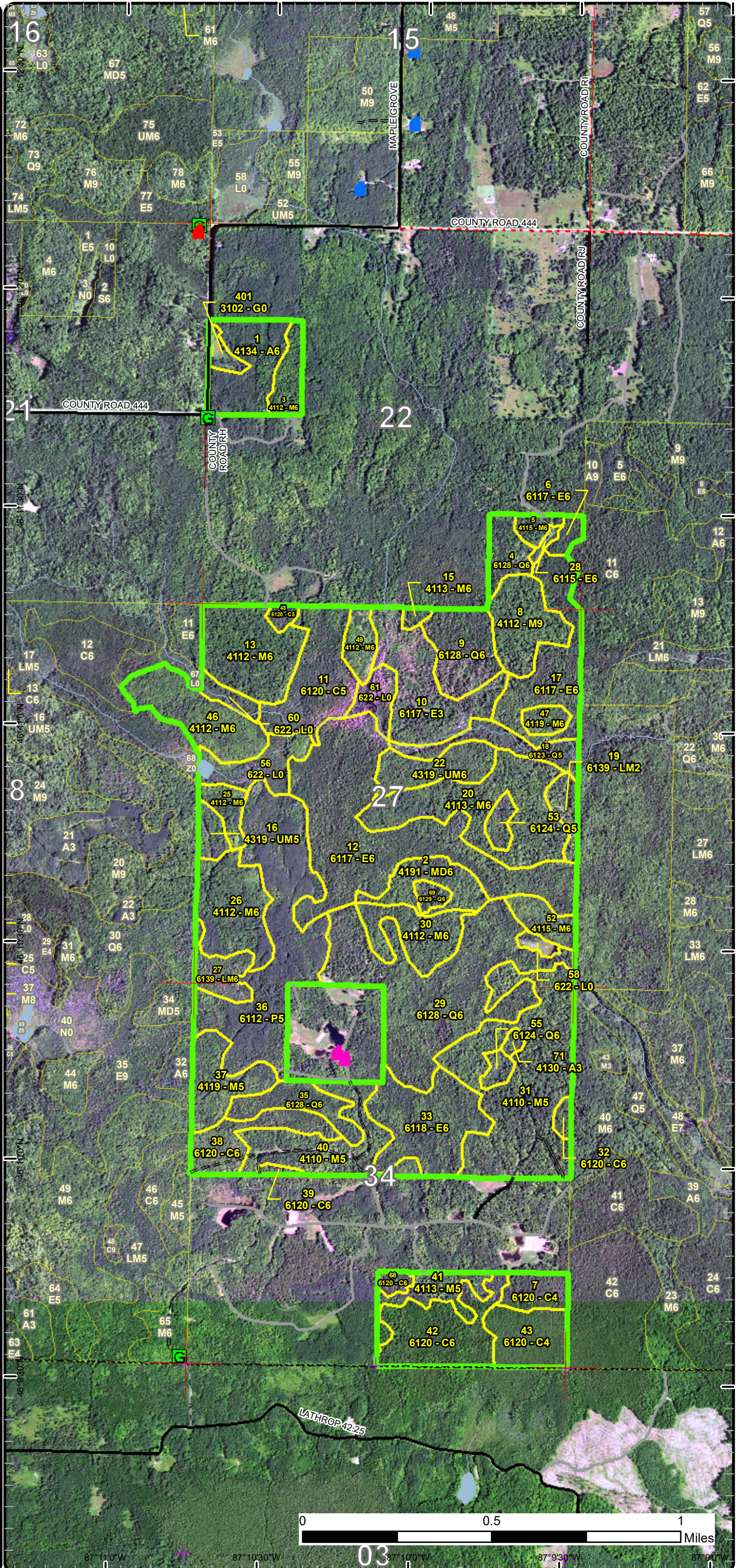
87°11'0"W 87°10'30"W 87°10'0"W 87°9'30"W 87°9'0"W

Stand Boundary Map

Compartment: 11
 T44N, R23W, Sec. 22, 27, 28, 24
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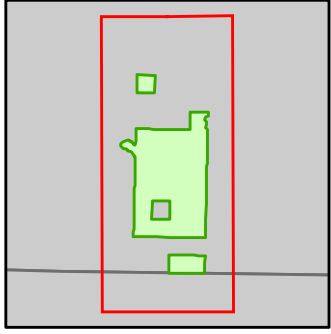
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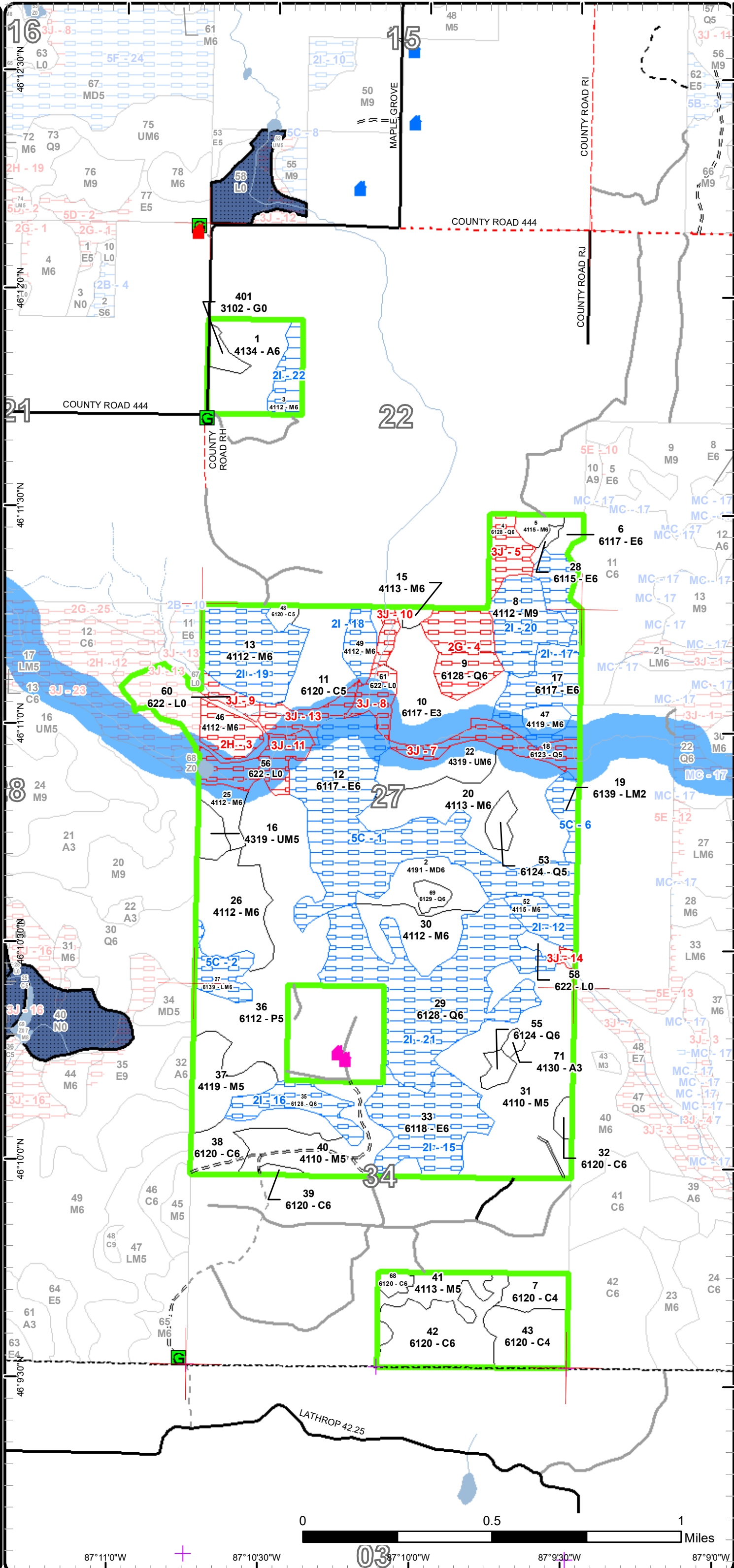
87°11'0" W 87°10'30" W 87°10'0" W 87°9'30" W 87°9'0" W

Special Conservation Areas

Compartment: 11
 T44N, R23W, Sec. 22, 27, 28, 24
 County: Marquette
 Unit: Gwinn
 Mgmt Area: Dead Horse Moraines
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 Examiner: Peter Holodnick
 Map Revised: 3/2/2021
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- County - Dirt Road (Seasonal)
- Private - Paved Road
- Private - Dirt / Gravel Road
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers
- Cabin
- House
- Structure, Seasonal Dwelling
- G Gate
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- SCA
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer
- Spring or Seep





Report 2 – Treatment Summary

Gwinn Mgt. Unit

Year of Entry: 2022

Acres of Harvest

Compartment 11
Total Compartment Acres: 1,098

Commercial Harvest - 53
Harvests with Site Condition - 264
Next Step Harvest - 8
Habitat Cut - 8

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Lowland Conifers	15	0	0	0	88	0	0	0	0	103
Lowland Deciduous	0	0	0	39	39	0	0	0	0	78
Northern Hardwood	0	131	0	0	0	0	0	0	0	131
Upland Mixed Forest	0	0	0	6	0	0	0	0	0	6
Total	15	131	0	45	127	0	0	0	0	318

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	318	0	0	0	0	0	0	0	0	318
Next Step	8	0	0	177	0	0	310	0	0	494
Total	325	0	0	177	0	0	310	0	0	812



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

3	32011003-Cut	10.3	4112 - Maple, Beech, Cherry Association	Poletimber Well	85	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar. Favor Black Cherry and Basswood to keep in the stand. Cut areas heavier that have patches of Black Cherry and Yellow Birch to allow gaps for seeding and stump sprouts of these mid tolerant species.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> There will be some walkthrough areas in the marking because there is varying densities. There is plenty of defect to cut out.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

6	32011006-Cut	4.0	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	91	141-170	Harvest	Shelterwood	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all but Hemlock, Cedar, and White Pine. Cut Cedar and White Pine only for operability. Green tree a few large Yellow Birch and Cherry to keep in the stand. No retention needed due to size however because of cedar component the area probably will be reduced.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any Tree species currently in the overstory will be acceptable</p> <p><u>Regen:</u></p> <p><u>Other</u> Access is through PVT. PVT has given us permission to use it. The other option is the road that goes through Comp 10 stand 9 has an easement on it. Cut in the winter this stand is wet.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

8	32011008-Cut	23.9	4112 - Maple, Beech, Cherry Association	Sawtimber Well	99	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar. Favor Black Cherry and Basswood to keep in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> This stand is sitting more at 110 BA and there are plenty of areas to walk through. There is Wet Access Roads (stand 28). Be sure to require Crain mats in the sale specs if cut in the summer.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
13 32011013-Cut	34.8	4112 - Maple, Beech, Cherry Association	Poletimber Well	89	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar. Favor Black Cherry, Yellow Birch, and Basswood to keep in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Access is through PVT</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
16 32011016-Cut	6.2	4319 - Mixed Upland Forest	Poletimber Medium	91	1-50	Harvest	Seed Tree	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription</u> Cut all but Hemlock, Cedar, Yellow Birch and Cherry. Cut in the winter because of Access. Leave 3-10% retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</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 /2021</p>										
17 32011017-Cut	34.9	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	98	111-140	Harvest	Shelterwood with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all but Hemlock and Cedar. Cut Cedar only for operability. Green tree a few large Yellow Birch and Cherry to keep in the stand. Leave 3-10% retention on the edge where there is heavy cedar. This stand is not to exceed 40-50 BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Seeding, Machine Seed</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> Cut in the Winter this stand is wet.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
25 32011025-Cut	7.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	86	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar, and Yellow Birch. Favor Black Cherry and Basswood to keep in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Harvest, Seed Tree with Retention</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> 50 ft buffer on deer creek for a thinning.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
26 32011026-Cut	30.2	4112 - Maple, Beech, Cherry Association	Poletimber Well	86	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, and Cedar. Favor Black Cherry and Yellow Birch to keep in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> This is a very poor quality stand however if we manage it even age we are going to loose our maple component altogether. the more West you go in the stand the better the quality.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
29 32011029-Cut	87.6	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	103	111-140	Harvest	Shelterwood with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all But Hemlock and Cedar. Cut cedar only for operability. Green tree a few Yellow Birch and any species that is hard to operate in with Cedar (i.e. Cedar clump) to keep. Leave 3-10% retention in areas with lots of Cedar. Avoid areas of Small Black Ash and focus your red line around areas of Fir, Maple, and Spruce.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Seeding, Machine Seed</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable</p> <p><u>Regen:</u></p> <p><u>Other</u> There is lots of Cedar and Smaller Black Ash in this stand that could significantly reduce the acreage. It will possible represent more of a patch cut by the time it is cut. Islands of cuts in the swamp. There should be 100ft buffer on the Deadhorse.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
33 32011033-Cut	39.1	6118 - Lowland Deciduous with Cedar	Poletimber Well	109	81-110	Harvest	Seed Tree with Retention	611 - Lowland Deciduous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all but Hemlock, Cedar, Black Cherry and Yellow Birch. 3-10 % retention left to the discretion of the person doing the prep. The person doing the prep has the option of green treeing any trees that are in a cedar clusters to keep. Try to include Yellow Birch and Black Cherry in your retention patches, if it is not in your retention patches. Basal area should not Exceed 30BA.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Seeding, Machine Seed</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> There is more Cedar on the north part of this stand and is a good suggestion for where to put the retention. Cut with Comp 10 stands 40,49,and 23. There is lots of Cedar in this stand that could significantly reduce the acreage.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
35 32011035-Cut	15.2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	96	111-140	Harvest	Clearcut with Retention	612 - Lowland Coniferous Forest	Even-Aged	No
<p><u>Prescription</u> Cut all trees except Hemlock, Cedar, and Yellow Birch. Leave 3-10% retention patches to the discretion of the person doing the prep. The person doing the prep has the option of green treeing any trees that are in a cedar cluster to keep. Try to include Yellow Birch and Black Cherry in your retention patches, if it is not in your retention patches, then green tree Yellow Birch and Black Cherry so that it is part of the total retention.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory); Seeding, Machine Seed</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> There is a small patch of cedar on the southern line of stand 35 in the middle of the stand. This would be a good suggestion for retention.</p> <p><u>Comment:</u> Cut with Comp 10 stands 40,49,and 23</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
47 32011047-Cut	5.3	4119 - Mixed Northern Hardwoods	Poletimber Well	99	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar. Favor Black Cherry, Yellow Birch, and Basswood to keep in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory is acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> This will most likely need a winter spec because access is wet. This stand has high basal area.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
49 32011049-Cut	8.7	4112 - Maple, Beech, Cherry Association	Poletimber Well	102	141-170	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, Cedar and Aspen. Favor Black Cherry and Yellow Birch and some large diameter aspen to keep in the stand.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory would be acceptable.</p> <p><u>Regen:</u></p> <p><u>Other</u> A skid trail will need to be cut through stand 11 to get this wood out. It would be better to run the skid trail on the north side of stand 11 because it is a little bit higher ground. A 50 ft buffer is only needed on Deer creek because this is a thinning.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
52 32011052-Cut	9.7	4115 - Y.Birch, Hemlock NH	Poletimber Well	97	111-140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven-Aged	No
<p><u>Prescription</u> Select appropriate trees for removal to reach residual target basal area of between 70 and 90 square feet. Strive to maintain existing diversity of overstory species and stand structure. No cut Hemlock, and Cedar. Favor Black Cherry and Yellow Birch to keep in the stand. Cut all Balsam fir and Spruce.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Any tree species currently in the overstory is acceptable</p> <p><u>Regen:</u></p> <p><u>Other</u> The headwaters of the dead horse is in stand 58. Buffer this stand 50ft. Winter cut only because of wet access.</p> <p><u>Comment:</u></p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

Total Treatment 317.6
Acreage Proposed:

Report 4 – Site Conditions

Gwinn Mgt. Unit

Peter Holodnick: Examiner

Compartment: 11

Year of Entry: 2022

Availability for Management

Total Acres	Acres Available	Acres Avail		Dominant Site Conditions					
		With Condition	Not Available		2I	5C	2G	2H	3J
27	27	0	0	Aspen					
127	117	0	10	Cedar					10
4	4	0	0	Herbaceous Openland					
79	79	0	0	Lowland Aspen/Balsam Poplar					
167	13	103	51	Lowland Conifers	103		23		28
214	41	170	4	Lowland Deciduous	74	96			4
19	0	19	0	Lowland Mixed Forest		19			
33	3	0	31	Lowland Shrub					31
17	17	0	0	Mixed Upland Deciduous					
386	272	87	26	Northern Hardwood	87			25	2
24	24	0	0	Upland Mixed Forest					
1,098	596	378	123	Total Forested Acres	264	114	23	25	75
	54%	34%	11%	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	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	96	Unspecified	Unspecified	Unspecified	Unspecified
Comments: This may be ready next entry							
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 11

Peter Holodnick: Examiner

Year of Entry: 2022

3	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	23	Unspecified	Unspecified	Unspecified	Unspecified
Comments: this is a Cedar/Hemlock stand							
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	11	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: This is a Cedar/Hemlock stand.							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	8	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
7	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer creek buffer							
8	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer Creek and wet ground							

Report 4 – Site Conditions

Gwinn Mgt. Unit

Compartment: 11

Peter Holodnick: Examiner

Year of Entry: 2022

9	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Deer Creek							
10	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	4	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	17	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
12	Available	2I: Survey needed	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
14	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	2	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Dead Horse Creek							
15	Available	2I: Survey needed	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

Gwinn Mgt. Unit
Peter Holodnick: Examiner

Compartment: 11
Year of Entry: 2022

16	Available	2I: Survey needed	15	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
17	Available	2I: Survey needed	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
18	Available	2I: Survey needed	9	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
19	Available	2I: Survey needed	35	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
20	Available	2I: Survey needed	24	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
21	Available	2I: Survey needed	88	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
22	Available	2I: Survey needed	10	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

Mgt. Unit

Compartment: #Type!

Year of Entry:



Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
1	4134 - Aspen, Spruce/Fir	Poletimber Well	25.6	33	51-80	N/A	A4P4, a few fir and birch in the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		60	Pole/Sap/Log	5	33	Balsam Fir	
Balsam Fir		15	Sapling/Pole	3		Low	
Black Spruce		10	Pole/Sapling	3		5 - 10 feet	
Black Cherry		5	Pole/Sapling	3		Sapling	
Red Maple		5	Sapling/Pole/Log	4			
Tamarack		5	Pole/Sap/Log	8			
2	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	17.4	85	51-80	N/A	CUT PRMT. #5-92-01, This stand is a mix of poor quality hardwoods/Aspen in areas it was cut hard and there is also a heavy conifer component.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Quaking Aspen		20	Sapling/Pole	4		Quaking Aspen	
Red Maple		25	Pole/Sap/Log	8	85	Medium	
Northern White Cedar		5	Pole/Sap/Log	6		Red Maple	
Hemlock		10	Log/Pole	12		Medium	
Balsam Fir		15	Sapling/Pole/Log	4		5 - 10 feet	
Black Ash		10	Pole/Sap/Log	5		Sapling	
Black Spruce		5	Log/Pole/XLog	10			
Sugar Maple		10	Pole/Log/Sap	8			
3	4112 - Maple, Beech, Cherry Association	Poletimber Well	10.3	85	111-140	N/A	THINNED IN 1988, and 2003, prmt. # 4-02-01, some dead maple within the stand.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Sugar Maple		70	Log/Pole	14	85	Red Maple	
Red Maple		10	Log/Pole	12		Low	
Basswood		5	Log/Pole	12		Sugar Maple	
Hemlock		5	Log/Pole	13		Medium	
Northern White Cedar		5	Pole/Log	8		5 - 10 feet	
Yellow Birch		2	Pole/Log	8		Sapling	
Black Cherry		3	Log/Pole	8			
4	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	11.1	98	81-110	N/A	it is a wetter area, with some Q type mixed in. .
Canopy Species		% Cover	Size Class	DBH	Age		
Red Maple		5	Log/Pole	10			
Hemlock		30	Log/Pole	14	98		
Northern White Cedar		25	Log/Pole/XLog	12			
Yellow Birch		15	Log/Pole	12			
Black Ash		15	Log/Pole	10			
Balsam Fir		5	Pole/Sapling	6			
Black Spruce		5	Log/Pole	12			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																	
5	4115 - Y.Birch, Hemlock NH	Poletimber Well	4.6	86	51-80	N/A	ut prmt. #005-02-01.																																																	
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6	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	4.0	91	141-170	N/A	a mix of bigger cedar, hemlock, some big white pine and hardwoods are left.																																																	
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7	6120 - Lowland Cedar	Poletimber Poor	10.5	115	1-50	N/A	SMALL POOR QUALITY CEDAR																																																	
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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9 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 23.4 113 81-110 N/A FAIR CEDAR, SCATTERED CLUMPS OF BALM, B ASH SAPS.

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	25	Log/XLog	14	
Northern White Cedar	30	Log/Pole	12	113
Yellow Birch	15	Log/Pole	12	
Black Ash	15	Log/Pole	10	
Balsam Fir	5	Pole/Sap/Log	6	
Black Spruce	5	Log/Pole/XLog	12	
Red Maple	5	Log/Pole	10	

10 6117 - Lowland Deciduous, Mixed Coniferous Sapling Well 39.0 15 Immature N/A prmt. #005-02-01. Some big hardwood trees were left for wildlife, along with the cedar, hemlock and pine.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	15	Sapling/Pole	3	
Quaking Aspen	20	Sapling/Pole	3	15
Balsam Fir	15	Sapling/Pole	2	
Northern White Cedar	10	Log/Pole/XLog	12	
Hemlock	10	Log/Pole/XLog	12	
Black Spruce	5	Log/Pole/XLog	12	
Black Ash	20	Sapling/Pole	3	
Balsam Poplar	5	Sapling/Pole	4	

11 6120 - Lowland Cedar Poletimber Medium 33.6 113 1-50 N/A POG, Q4E4 OVERALL. This stand is very wet and there is very little size to the timber.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	15	Sapling/Pole	3		Red Maple	Low	5 - 10 feet	Sapling
Northern White Cedar	55	Sapling/Pole	4	113	Balsam Fir	High	< 5 feet	Sapling
Red Maple	10	Pole/Sap/Log	8					
Black Spruce	5	Sapling/Pole	3					
Balsam Poplar	5	Sapling/Pole	4					
Black Ash	10	Sapling/Pole	3					

12 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 95.6 90 51-80 N/A PATCHES OF E2,B2. Very Wet lots of open water. Wait until the trees get bigger in order to cut it.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	25	Sapling/Pole	3	90	Tag Alder	Low	5 - 10 feet	Tall Shrub
Balsam Fir	20	Sapling/Pole/Log	3					
Northern White Cedar	10	Sapling/Pole	4					
Balsam Poplar	5	Pole/Sap/Log	5					
Red Maple	15	Pole/Sap/Log	6					
Yellow Birch	5	Pole/Log/Sap	6					
Black Cherry	5	Sapling/Pole	6					
Paper Birch	15	Pole/Sap/Log	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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13 4112 - Maple, Beech, Cherry Association Poletimber Well 34.8 89 111-140 N/A M6M7, Cut prmt.# 005-02-01, a mix of hard and soft maple, yellow birch, black cherry, and basswood. Access across pvt. from the north. Mid quality maple mostly sugar maple.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	70	Log/Pole	14	89	Red Maple	Medium	5 - 10 feet	Sapling
Red Maple	10	Log/Pole	14					
Black Cherry	5	Log/Pole	10					
Balsam Fir	5	Sapling/Pole	4					
Yellow Birch	5	Pole/Log	8					
Hemlock	2	Log/Pole	16					
Basswood	3	Log/Pole	10					

15 4113 - R.Maple, Conifer Poletimber Well 2.1 86 51-80 N/A Cut prmt. # 005-02-01. M6M7, now , mostly soft maple, with some hard maple, yelow birch, cedar, hemlock, mixed in, and a few big white pine .

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	60	Log/Pole	10	86
Sugar Maple	15	Log/Pole	10	
Yellow Birch	5	Pole/Log	8	
White Pine	5	XLog/Log	18	
Hemlock	10	Log/Pole	13	
Northern White Cedar	5	Pole/Log	8	

16 4319 - Mixed Upland Forest Poletimber Medium 6.2 91 1-50 N/A CUT PRMT. # 5-92-01 SOME MPLE., SPRUCE, CEDAR, HEMLOCK POLES LEFT.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Balsam Fir	20	Pole/Sap/Log	6		Red Maple	Medium	5 - 10 feet	Sapling
Red Maple	40	Log/Pole/XLog	10	91	Balsam Fir	Low	5 - 10 feet	Sapling
Sugar Maple	10	Log/Pole	10					
Black Spruce	20	Log/Pole	10					
Hemlock	5	Log/Pole/XLog	12					
Northern White Cedar	5	Log/Pole/XLog	12					

17 6117 - Lowland Deciduous, Mixed Coniferous Poletimber Well 34.9 98 111-140 N/A E5Q5, MIXED LOT.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Northern White Cedar	15	Sapling/Pole	10		Balsam Fir	Low	5 - 10 feet	Sapling
Hemlock	15	Log/XLog	14		Black Ash	Low	5 - 10 feet	Sapling
Black Spruce	5	Log/Pole/XLog	12					
Red Maple	30	Log/XLog	16	98				
Black Ash	10	Sapling/Pole	4					
Sugar Maple	5	Log/Pole/XLog	10					
Yellow Birch	10	Log/Pole/XLog	10					
Balsam Fir	5	Pole/Log/Sap	8					
Black Cherry	5	Pole/Sapling	8					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
18	6123 - Lowland Fir	Poletimber Medium	15.1	116	81-110	N/A	F5M4Q4, leave for buffer along creek.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Balsam Fir		55	Sapling/Pole	4	116	Tag Alder	
Hemlock		25	Log/Pole/XLog	10		Medium	
Northern White Cedar		15	Pole/Sap/Log	8		5 - 10 feet	
Black Ash		5	Pole/Sap/Log	6		Tall Shrub	
19	6139 - Mixed Lowland Forest	Sapling Medium	7.6	99	1-50	N/A	Cut prmt. #6-02-01some cedar, hemlock left and a couple of big old hardwoods. good regen for saplings.
Canopy Species		% Cover	Size Class	DBH	Age		
Northern White Cedar		12	Log/Pole/XLog	10			
Hemlock		10	Pole/Sap/Log	8			
Red Maple		22	Sapling/Pole	3			
Black Ash		25	Sapling/Pole	3	99		
Balsam Fir		15	Sapling/Pole	3			
Black Spruce		16	Sapling/Pole	3			
20	4113 - R.Maple, Conifer	Poletimber Well	50.7	88	81-110	N/A	Cut permit #6-02-01, M5M7 now, mix of hardwood species, mostly soft maple, with some hemlock and pine mixed in. Poor quality hardwoods. Very wet hardwoods.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		55	Log/Pole/XLog	10	88	Red Maple	
Hemlock		5	Log/Pole/XLog	12		Medium	
Yellow Birch		5	Pole/Log/Sap	8		Low	
Sugar Maple		10	Pole/Sap/Log	8		5 - 10 feet	
Black Cherry		10	Pole/Log/Sap	9		Sapling	
Balsam Fir		5	Pole/Sap/Log	5		Low	
Black Spruce		5	Pole/Sap/Log	6		5 - 10 feet	
Northern White Cedar		5	Pole/Sap/Log	8		Sapling	
22	4319 - Mixed Upland Forest	Poletimber Well	17.7	96	51-80	N/A	M5A4S4, aspen are dying, poor quality hardwood.
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species	
Red Maple		25	Pole/Log	8	96	Red Maple	
Quaking Aspen		10	Log/Pole/XLog	10		Medium	
Balsam Fir		15	Pole/Sap/Log	6		Low	
Black Ash		10	Pole/Sap/Log	5		10 - 20 feet	
Sugar Maple		10	Pole/Sap/Log	8		Sapling	
Hemlock		10	Log/Pole/XLog	12			
Northern White Cedar		5	Pole/Log/Sap	6			
Black Spruce		15	Log/Pole	10			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
25	4112 - Maple, Beech, Cherry Association	Poletimber Well	7.7	86	111-140	N/A	CUT PRMT. # 5-92-01 SOME MPLE., SPRUCE, CEDAR, HEMLOCK POLES LEFT.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	40	Log/Pole	12	86
Red Maple	40	Log/Pole	10	
Balsam Fir	5	Pole/Log	8	
Northern White Cedar	5	Sapling/Pole	8	
Basswood	5	Log/Pole	12	
Yellow Birch	2	Log/Pole	10	
Black Cherry	3	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	Medium	5 - 10 feet	Sapling
Red Maple	Medium	5 - 10 feet	Sapling

26	4112 - Maple, Beech, Cherry Association	Poletimber Well	30.2	86	141-170	N/A	CUT PRMT. #5-92-01, M5M7 now. Mid quality maple -good quality for MCFarland. Canopy's are about grown together. There is still plenty of defect. Good regen.
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Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	55	Log/XLog	14	86
Basswood	10	Log	14	
Red Maple	20	Log/XLog	14	
Balsam Fir	5	Sapling/Pole	4	
Yellow Birch	5	Log/Pole	12	
Black Cherry	5	Log/Pole/XLog	10	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	High	10 - 20 feet	Sapling
Sugar Maple	High	5 - 10 feet	Sapling
Balsam Fir	Low	5 - 10 feet	Sapling

27	6139 - Mixed Lowland Forest	Poletimber Well	11.0	104	81-110	N/A	SOME SOFTWOOD AND BAM, POOR HRDWD
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	25	Sapling/Pole	4	104
Balsam Fir	15	Sapling/Pole	3	
Northern White Cedar	15	Pole/Sapling	6	
Black Spruce	15	Sapling/Pole	4	
Red Maple	20	Pole/Sapling	7	
Balsam Poplar	10	Sapling/Pole	4	

28	6115 - Lowland Ash	Poletimber Well	1.7	20	1-50	N/A	OPIC - FMD: Cut prmt. #005-02-01. Stand was to be uderplanted with hemlock after the sale, but there was no access for the planting crew.
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Canopy Species	% Cover	Size Class	DBH	Age
Black Ash	60	Sapling/Pole	3	20
Balsam Fir	9	Sapling/Pole	4	
Red Maple	15	Pole/Sap/Log	8	
Northern White Cedar	6	Sapling/Pole	4	
Hemlock	10	Log/Pole/XLog	10	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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29 6128 - Lowland Coniferous, Mixed Deciduous Poletimber Well 89.2 103 111-140 N/A

2020: Stand 58 is the headwaters to the dead horse. part of corridor along the creek. The black ash varies in size. It is a mix of everything. It is a typical McFarland mix. Varying densities and sizes. The majority of the dense cedar is along the private 40 that's state land locked.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Black Ash	15	Sapling/Pole/Log	4		Balsam Fir	Medium	5 - 10 feet	Sapling
Black Spruce	5	Log/Pole/XLog	10		Black Ash	Low	5 - 10 feet	Sapling
Red Maple	10	Pole/Sapling	6					
Northern White Cedar	30	Pole/Sap/Log	8	103				
Hemlock	15	Log/Pole	15					
Balsam Fir	10	Sapling/Pole	4					
Yellow Birch	10	Log/Pole	10					

30 4112 - Maple, Beech, Cherry Association Poletimber Well 20.7 86 81-110 N/A

CUT PRMT. #5-92-01, , M5M7 now.

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	55	Pole/Log	8	86
Balsam Fir	10	Pole/Sap/Log	5	
Yellow Birch	5	Pole/Sap/Log	8	
Sugar Maple	20	Pole/Log	8	
Black Cherry	5	Pole/Sap/Log	6	
Hemlock	5	Log/Pole	10	

31 4110 - Sugar Maple Association Poletimber Medium 80.6 104 81-110 N/A

Area treated under timber sale # 005-92-01 - cut 1995-97. M6M8 now, cut again this tp. Need some road work. ***Under contract #015-12-1 "Lathrop Hardwoods" - sale area reduced to 50 acres, due to insufficient volume to harvest within remainder of stand. Harvested January, 2015.

Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size
Sugar Maple	75	Log/Pole/XLog	10	104	Sugar Maple	High	>20 feet	Sapling
Red Maple	10	Log/Pole/XLog	12		Ironwood	Low	>20 feet	Sapling
Basswood	5	Log	12		White Spruce	Trace	Variable	Sapling
Yellow Birch	3	Log/XLog	14					
Hemlock	2	Log	14					
Northern White Cedar	1	Log/Pole	10					
White Pine	1	XLog/Log	20					
Black Ash	3	Pole/Sapling	6					

32 6120 - Lowland Cedar Poletimber Well 2.8 117 171-200 N/A

WET AREA. HARD TO OPERATE HERE.

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	65	Log/Pole	10	117
Balsam Fir	10	Sapling/Pole	4	
Black Ash	10	Pole/Sap/Log	5	
Red Maple	10	Log/Pole	10	
Black Spruce	5	Pole/Sap/Log	6	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																														
33	6118 - Lowland Deciduous with Cedar	Poletimber Well	39.1	109	81-110	N/A	Everything is big and is starting to fall apart. This stand is wet.																																																														
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35	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	15.2	96	111-140	N/A	Access is through PVT. There is a patch of cedar on the southern boundary in the middle of the stand.																																																														
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36	6112 - Lowland Aspen	Poletimber Medium	78.5	20	51-80	N/A	Cut Prmt. # 4-92-01,																																																														
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37	4119 - Mixed Northern Hardwoods	Poletimber Medium	19.9	86	51-80	N/A	Cut Prmt.# 4-92-01, M5 now, mostly soft maple, with some hard maple and fir mixed in. Mid to poor quality. It must have been cut a little bit heavier in 2001.																																																														
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38	6120 - Lowland Cedar	Poletimber Well	19.3	89	81-110	N/A	This is more of a Cedar stand then a Q type. All of the other species are barely merchantable.																																																							
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40	4110 - Sugar Maple Association	Poletimber Medium	33.7	86	51-80	N/A	Area treated under timber sale # 005-92-01. M5 now, with hard and soft maple, some basswood, black cherry, and fir in stand. Deer browsing on reproduction. Mid Quality sugar maple - good for McFarland area. good regen. It must have been cut a little harder in 2001																																																							
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41	4113 - R.Maple, Conifer	Poletimber Medium	13.6	74	51-80	N/A	Area treated under timber sale # 005-92-01. Some fir and cedar in stand also. Deer browsing on reproduction. It must have been managed heavy in 01 BA is around 60.																																																							
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43	6120 - Lowland Cedar	Poletimber Poor	20.1	115	1-50	N/A	SMALL POOR QUALITY CEDAR																																																																								
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46	4112 - Maple, Beech, Cherry Association	Poletimber Well	29.6	101	141-170	N/A	Too wet to get to , creeks to cross, beaver areas. Leave for wildlife, and riparian corridor. Poor quality hardwoods																																																																								
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47	4119 - Mixed Northern Hardwoods	Poletimber Well	5.3	99	141-170	N/A	SMALL ISLAND IN THE SWAMP. High Density this will need to be cut in the winter for access.																																																																								
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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48 6120 - Lowland Cedar Poletimber Medium 2.7 88 1-50 N/A Q4E4 OVERALL

Canopy Species	% Cover	Size Class	DBH	Age
Northern White Cedar	55	Pole/Sap/Log	8	88
Balsam Fir	10	Sapling/Pole/Log	3	
Black Spruce	20	Pole/Log	8	
Balsam Poplar	10	Pole/Sap/Log	6	
Hemlock	5	Log/Pole	16	

49 4112 - Maple, Beech, Cherry Association Poletimber Well 8.7 102 141-170 N/A Maple is mid to poor quality. Its dense but all pulp wood. Nothing really for Regen because the canopy is so tight.

Canopy Species	% Cover	Size Class	DBH	Age
Sugar Maple	59	Pole/Log	8	102
Red Maple	20	Pole/Log	8	
Black Cherry	5	Log/Pole	10	
Yellow Birch	5	Pole/Sap/Log	6	
Balsam Fir	5	Pole/Sap/Log	5	
Northern White Cedar	2	Pole/Sap/Log	6	
Hemlock	3	Log/Pole	16	
Bigtooth Aspen	1	XLog/Log	19	

52 4115 - Y.Birch, Hemlock NH Poletimber Well 9.7 97 111-140 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Red Maple	55	Pole/Sap/Log	8	97
Sugar Maple	15	Pole/Sap/Log	8	
Hemlock	10	Log/Pole/XLog	12	
Yellow Birch	10	Pole/Log	8	
Black Cherry	5	Pole/Sap/Log	6	
Northern White Cedar	5	Pole/Sap/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
Red Maple	Medium	5 - 10 feet	Sapling
Sugar Maple	Low	5 - 10 feet	Sapling

2020: poor quality mostly soft maple stand. To maintain the maple cover type Thin to 80 BA. There is a knob of higher quality hardwood on the west side of the stand.

53 6124 - Lowland Spruce-Fir Poletimber Medium 5.0 71 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	25	Log/Pole/XLog	12	
Black Spruce	40	Pole/Log	8	71
Balsam Fir	20	Pole/Log	8	
Red Maple	10	Log/Pole/XLog	10	
Yellow Birch	5	Pole/Sap/Log	7	



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55	6124 - Lowland Spruce-Fir	Poletimber Well	3.9	77	81-110	N/A	Q6E4 VARIABLE STD																																										
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56	622 - Lowland Shrub	Nonstocked	16.6			No	Heavy Tag Alder, lots of ponds, and deer creek.																																										
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60	622 - Lowland Shrub	Nonstocked	5.3			No	OPIC - FMD: SCA, riparian corridor.																																										
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61	622 - Lowland Shrub	Nonstocked	8.9			No	SCA, part of riparian corridor.																																										
68	6120 - Lowland Cedar	Poletimber Well	3.1	105	81-110	N/A																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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69 6129 - Mixed Coniferous Lowland Forest Poletimber Well 3.6 90 51-80 N/A

Canopy Species	% Cover	Size Class	DBH	Age
Hemlock	60	Log/Pole	14	90
White Pine	20	Log/Pole	10	
Balsam Fir	5	Pole/Sap/Log	5	
Black Spruce	5	Log/Pole	10	
Northern White Cedar	5	Pole/Log	8	
Red Maple	5	Pole/Log	8	

Sub-Canopy Species	Density	Avg. Height	Size
White Pine	Low	5 - 10 feet	Sapling
Red Maple	Low	5 - 10 feet	Sapling

71 4130 - Aspen Sapling Well 1.8 6 Immature N/A

The G-opening has converted mostly to brush, aspen, birch, black cherry. The reproduction is 2-4 inches dbh, 15-20 ft. tall. It turned into an aspen stand.

Canopy Species	% Cover	Size Class	DBH	Age
Quaking Aspen	80	Sapling/Pole	3	6
Balsam Fir	5	Sapling/Pole	3	
Black Spruce	5	Sapling/Pole	3	
Black Cherry	5	Sapling/Pole	3	
Yellow Birch	2	Sapling/Pole	3	
Balsam Poplar	3	Sapling/Pole	3	

401 3102 - Grass Nonstocked 4.3 No

Edge is filling in with Tamarack, and Aspen

Sub-Canopy Species	Density	Avg. Height	Size
Tamarack	Medium	5 - 10 feet	Sapling
Quaking Aspen	Low	>20 feet	Sapling