



# Compartment Review Presentation

## Grayling Forest Management Unit

Compartment 72269

Entry Year 2025

Acreage: 1,775

County Crawford

Management Area: Camp Grayling

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**Stand Examiner:** Joan Charlebois

### Legal Description:

T 28N R 02W Sections 1, 2, & 3

### Identified Planning Goals:

To provide an area that allows for National Guard training while maintaining forest health, productivity, sustainability, species diversification and structural diversity throughout the compartment.

### Soil and topography:

The compartment's rolling to steep terrain is on Graycalm-Klacking and Graycalm-Grayling soil complexes. The outwash plains are on Grayling, Rubicon, and Croswell sands. The lowlands and river floodplain have Tawas-Lupton and Kinross-AuGres organic soils.

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

The compartment borders private property on the north edge of Section 1 and the SWSE. State of Michigan lands in Sections 1 and 2 are under long-term lease (L-1479) to the Michigan National Guard, Department of Military Affairs, with the exceptions of the SESE and the 2021-acquired SWNE of Section 1. The L-1479 agreement provides for use by the Military during their encampment, with no permanent buildings or improvements to be erected. Military needs take precedence over resource management needs on long-term lease lands. The DNR will coordinate all prescribed activities with the National Guard to ensure that they are compatible with Military training needs. The west edge of the compartment is within the fenced Range 40 Complex. Several Military Firing Point openings are located to the east within the compartment.

### Unique Natural Features:

The North Branch of the AuSable is part of a designated Natural River system. There is the potential for rare wetland plants and reptiles to occur along the riparian corridor. There is also the potential for rare dry prairie plants, insects and birds to occur in upland grassy openings.

### Archeological, Historical, and Cultural Features:

There are known features within the compartment.

### Special Management Designations or Considerations:

The AuSable River system is a High Conservation Value Area (HCVA). The Military training lands are classified as a Special Conservation Area (SCA).

### Watershed and Fisheries Considerations:

The North Branch of the AuSable River is a quality trout stream. Lonesome Lake occupies a steep ice-contact basin in the west side of the compartment.

### Wildlife Habitat Considerations:

The compartment's aspen, oak and upland brush cover types provide good habitat for grouse, deer and turkey. The lowland aspen on the river floodplain has good potential for woodcock management. Some of the Firing Points within the compartment have been cultivated as dual-purpose wildlife openings. That opening maintenance has been done through a cooperative partnership between the DNR-Wildlife Division, Michigan Army National Guard (Camp Grayling), and the National Wild Turkey Federation.

### Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 800 feet. Beneath the glacial drift is the Coldwater Shale. There is not an economic use for the Coldwater Shale. The nearest gravel pit is located in Section 24 and potential is thought to be good in the upland areas. Some of the compartment is leased for oil and gas. The Antrim Shale has been developed for gas production just to the east.

### Vehicle Access:

County roads include Lonesome Lake Road, Lint Trail, Akron Club Trail, Ski Hill Road, and Twin Bridge Road. Several

forest roads spur off from that maintained network.

### **Survey Needs:**

The SE corner of the SWSE of Section 1 was not located. It may have been disturbed during landscaping around a private driveway.

### **Recreational Facilities and Opportunities:**

The North Branch of the AuSable River is used mainly for fly fishing, along with some canoe and kayak traffic. There are two informal fishing access points on the east side of the river, off Twin Bridge Road. Lonesome Lake has an informal boat launch. Hunting and ORV riding are the main forms of dispersed recreation in the upland interior.

### **Fire Protection:**

The compartment has predominantly deciduous cover. Access is limited in areas with steep terrain. Lonesome Lake and the North Branch of the AuSable River are the nearest water access points.

### **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**



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+	Unseen-Aged	Total
Aspen	0	164	132	29	146	0	186	0	0	0	0	0	0	0	0	0	0	0	656
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Herbaceous Openland	28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28
Jack Pine	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	10
Low-Density Trees	218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	218
Lowland Aspen/Balsam Poplar	0	82	0	66	0	0	0	66	0	0	0	0	0	0	0	0	0	0	214
Lowland Shrub	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Marsh	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Mixed Upland Deciduous	0	31	84	0	0	0	11	0	0	0	8	0	0	0	0	0	0	0	133
Northern Hardwood	0	0	82	0	0	0	0	0	0	0	76	0	0	0	0	0	0	0	158
Oak	0	0	0	0	56	0	40	0	0	151	0	0	0	0	0	0	0	0	246
Upland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Urban	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Water	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
<b>Total</b>	<b>357</b>	<b>277</b>	<b>298</b>	<b>95</b>	<b>202</b>	<b>0</b>	<b>247</b>	<b>0</b>	<b>66</b>	<b>151</b>	<b>84</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1773</b>



## Report 2 – Treatment Summary

Grayling Mgt. Unit

Year of Entry: 2025

Acres of Harvest

Compartment 269

Total Compartment Acres: 1,775

Commercial Harvest - 289  
 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	Overshory Removal	Salvage	Other	Total Acres
Aspen	155	0	0	0	0	0	0	0	0	155
Low-Density Trees	14	0	0	0	0	0	0	0	0	14
Northern Hardwood	71	0	0	0	0	0	0	0	0	71
Oak	50	0	0	0	0	0	0	0	0	50
<b>Total</b>	<b>289</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	289	0	0	0	0	0	0	0	49	339
Next Step	0	0	0	0	0	0	289	0	0	289
<b>Total</b>	<b>289</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>289</b>	<b>0</b>	<b>49</b>	<b>628</b>



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
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**Approved Treatments:**

6	72269006-ccr	13.5	4130 - Aspen	Poletimber Medium	56	51-80	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest 2"+ DBH except RP-WP, open-grown xlog oak that have good den tree potential. and retention excluding the RMZ on the west edge. Apply chipping spec with the option to request a waiver from the Military. Use tops to block access to eroding hillclimb trails and the closed shoreline road. The Draft Rx boundary has been edited to approximate the RMZ exclusion. Add other Military &amp; drumming log specs. Protect serviceberry.</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> Moderate stocking in aspen with RM-O.</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 /2024</p>											
8	72269008-cc	16.8	4130 - Aspen	Poletimber Well	55	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest stems 2"+ DBH except RP-WP and open-grown xlog oak that have good den tree potential. No retention due to narrow stand shape and aspen objective. Add Military &amp; drumming log specs. Apply chipping spec with the option to request a waiver from the Military. Protect serviceberry.</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> Moderate stocking in aspen with RM-O, and U inclusions where the stand was sparse pre-harvest.</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 /2024</p>											
15	72269015-ccr	31.7	4123 - Red Oak	Sawtimber Well	89	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest stems 2"+ DBH except RP-WP, open-grown xlog oak that have good den tree potential, and the steep hill above Lonesome Lake (west edge is RMZ, the rest is too steep). Chipping exemption was granted. Use tops to stabilize and block access to the eroding hillclimb trails. Draft Rx boundary has been edited to approximate the intended exclusion. Add other Military specs. Protect serviceberry. Protect survey corner witness trees.</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> Low to moderate stocking in RM-A-O.</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 /2024</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
<b>17 72269017-Cut</b>	13.8	3301 - Low Density Deciduous Trees	Nonstocked	0		Harvest	Clearcut	330 - Low-Density Trees		No
<p><u>Prescription Specs:</u> Harvest stems 2"+ DBH except RP-WP and open-grown xlog oak that have good den tree potential. No area-based retention. Set up concurrent with stands 15 &amp; 20. Add Military &amp; drumming log specs. Apply chipping spec with the option to request a waiver from the Military. Protect hawthorn and serviceberry.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> The purpose of cutting this LDT-type is to re-start its patches of declining aspen while treating the adjacent stands.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>18 72269018-ccr</b>	11.3	4130 - Aspen	Poletimber Well	55	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stems 2"+ DBH except RP-WP, open-grown xlog oak that have good den tree potential, and retention excluding the RMZ. Draft Rx boundary has been edited to approximate the intended exclusion. Add Military &amp; drumming log specs. Apply chipping spec with the option to request a waiver from the Military. Protect serviceberry.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Moderate stocking in aspen with RM-O, and U inclusions where the stand was sparse pre-harvest.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>20 72269020-cc</b>	36.2	4131 - Aspen, Oak	Poletimber Well	57	51-80	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stems 2"+ DBH except RP-WP and open-grown xlog oak that have good den tree potential. No area-based retention due to aspen objective. Add Military &amp; drumming log specs. Apply chipping spec with the option to request a waiver from the Military. Protect serviceberry.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Moderate stocking in aspen with O-RM and upland shrub inclusions.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
<b>27 72269027-WLO</b>	3.3	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription</u> Periodic opening maintenance as needed, that may include disking, chisel plowing, stump excavation, fertilizing, food plot seeding, no-till prairie grass seeding, mowing, and herbicide application. Also could include tree and shrub planting along the perimeter.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This Landing Zone opening maintenance is part of the Military/DNR/NWTF WHG project.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>32 72269032-Cut</b>	12.9	4131 - Aspen, Oak	Poletimber Well	54	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Final harvest with no retention due to small stand size. Mirror adjacent comp 268 stand 8's cutting specs and set up concurrent in that compartment's YO. Add Military &amp; drumming log specs. Protect serviceberry.</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 Regen:</u> Moderate stocking in aspen with RM-O.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2023</p>										
<b>34 72269034-ccr</b>	64.1	4131 - Aspen, Oak	Poletimber Well	55	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription</u> Harvest stems 2"+ DBH except RP-WP, open-grown xlog oak that have good den tree potential, and area-based retention. Add Military &amp; drumming log specs. Protect serviceberry.</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 Regen:</u> Moderate stocking in aspen with RM-O.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
41 72269041-WLO	6.3	320 - Upland Shrub	Nonstocked			NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Periodic opening maintenance as needed, that may include disking, chisel plowing, stump excavation, fertilizing, food plot seeding, no-till prairie grass seeding, mowing, and herbicide application. Also could include tree and shrub planting along the perimeter.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This Firing Point opening maintenance is part of the Military/DNR/NWTF WHG project.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
42 72269042-cc	18.4	4123 - Red Oak	Sawtimber Well	87	81-110	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stems 2"+ DBH except RP-WP and open-grown xlog oak that have good den tree potential. No retention due to narrow stand shape. Extend harvest to include the flats on the SE edge of stand 39 where most of the aspen is. The Draft Rx boundary has been edited to approximate the intended inclusion. Add Military specs. Apply chipping spec with the option to request a waiver from the Military. Protect serviceberry.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Low to moderate stocking in A-RM-O</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
45 72269045-WLO	8.3	320 - Upland Shrub	Nonstocked			Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland	No
<p><u>Prescription Specs:</u> Periodic opening maintenance as needed, that may include disking, chisel plowing, stump excavation, fertilizing, food plot seeding, no-till prairie grass seeding, mowing, and herbicide application. Also could include tree and shrub planting along the perimeter.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This Firing Point opening maintenance is part of the Military/DNR/NWTF WHG project.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
<b>53 72269053-WLO</b>	8.2	4130 - Aspen	Sapling Medium	11	Immature	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Periodic opening maintenance as needed, that may include disking, chisel plowing, stump excavation, fertilizing, food plot seeding, no-till prairie grass seeding, mowing, and herbicide application. Also could include tree and shrub planting along the perimeter.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This Firing Point opening maintenance is part of the Military/DNR/NWTF WHG project.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>55 72269055-WLO</b>	8.5	310 - Herbaceous Openland	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Periodic opening maintenance as needed, that may include disking, chisel plowing, stump excavation, fertilizing, food plot seeding, no-till prairie grass seeding, mowing, and herbicide application. Also could include tree and shrub planting along the perimeter.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This Firing Point opening maintenance is part of the Military/DNR/NWTF WHG project.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
<b>61 72269061-ccr</b>	48.2	4119 - Mixed Northern Hardwoods	Sawtimber Poor	98	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	No
<p><u>Prescription Specs:</u> Harvest stems 2"+ DBH except RP-WP, open-grown xlog oak that have good den tree potential, immature oak &lt;8" DBH, and area-based retention focused near stand 66's maintained opening. The draft treatment boundary has been edited to approximate the intended exclusion. Add Military specs. Protect serviceberry &amp; hawthorn.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Low stocking in RM-A-O with U inclusions throughout.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</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
65 72269065-ccr	22.5	4119 - Mixed Northern Hardwoods	Sawtimber Medium	94	1-50	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Two-Aged	No
<p><u>Prescription Specs:</u> Harvest stems 2"+ DBH except RP-WP, open-grown xlog oak that have good den tree potential, immature oak &lt;8" DBH, and area-based retention to exclude the 150-ft Natural Rivers RMZ and the narrow west peninsula. Remove doglegs in the south line by picking up fingers of LDT stand 73. There is not a distinct type line between this stand and stand 73. The draft treatment boundary has been edited to approximate the intended exclusions &amp; inclusions. Add Military specs. Apply chipping spec with the option to request a waiver from the Military. Protect serviceberry &amp; hawthorn.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Low stocking in RM-O-A with U inclusions throughout.</p> <p><u>Other Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										
66 72269066-WLO	14.5	3102 - Grass	Nonstocked		Unspecified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		No
<p><u>Prescription Specs:</u> Periodic opening maintenance as needed, that may include disking, chisel plowing, stump excavation, fertilizing, food plot seeding, no-till prairie grass seeding, mowing, and herbicide application. Also could include tree and shrub planting along the perimeter.</p> <p><u>Next Step Treatments:</u></p> <p><u>Acceptable Regen:</u></p> <p><u>Other Comment:</u> This Firing Point opening maintenance is part of the Military/DNR/NWTF WHG project.</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2024</p>										

**Total Treatment Acreage Proposed: 338.5**

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Joan Charlebois : Examiner

Compartment: 269  
Year of Entry: 2025

### Availability for Management

Total	Acres	<b>Acres Avail</b>	Acres
Acres	Available	<b>With Condition</b>	Not Available

### Dominant Site Conditions

				5C	1C	2F	2G	3F	3J	5E
657	607	<b>0</b>	49			0		43	5	1
4	4	<b>0</b>	0							
28	28	<b>0</b>	0						0	0
10	10	<b>0</b>	0							
218	214	<b>0</b>	4		1	0	0		3	0
213	147	<b>0</b>	67		0	2	18		38	8
39	39	<b>0</b>	0						0	
6	6	<b>0</b>	0							
133	120	<b>8</b>	5	<b>8</b>			0	0	1	4
158	150	<b>0</b>	8						2	6
246	143	<b>0</b>	103			4		59	37	3
15	15	<b>0</b>	0							
19	9	<b>0</b>	9					9		0
29	18	<b>0</b>	11						11	
1,775	1,510	<b>8</b>	257	<b>8</b>	1	6	18	112	98	23
	85%	<b>0%</b>	14%							

*\*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	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This portion of stand 70 was not set up for harvest due to inoperable ground conditions at time of 2016 YOE harvest prep. The harvested operable portion was merged with the adjacent stand 67.							
2	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	55	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> N. Branch AuSable natural river buffer 150 ft. from river edge.							

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Joan Charlebois : Examiner

Compartment: 269  
Year of Entry: 2025

3	<b>Unavailable</b>	<b>3F: Military easement / lease</b>	125	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Within the 40 Complex fenced air-to-ground bombing range.							
4	<b>Unavailable</b>	<b>2F: Too steep</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	44	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Lonesome Lake basin. The 100-foot RMZ was extended to include the steep hillsides above the lake and associated wetlands.							
6	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	0	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
7	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Boundary-excluded retention left when stand 11 was harvested (#625-15), in addition to the Lake RMZ retention.							
8	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention islands left for stand 68's 2016 YOE harvest. Additional retention is along the river, now merged with adjacent comp 268's stand 88.							

## Report 4 – Site Conditions

Grayling Mgt. Unit  
Joan Charlebois : Examiner

Compartment: 269  
Year of Entry: 2025

10	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	6	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention left for stand 67's 2016 YOE harvest.							
11	<b>Unavailable</b>	<b>2F: Too steep</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This riser above the floodplain within #610-15 was avoided during harvest operations due to issues of working up its steep slope from the particularly low ground that occurs along its base.							
12	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention islands left when stand 36 was harvested in 2008.							
13	<b>Unavailable</b>	<b>1C: Other dept or div proc/practices</b>	1	2F: Too steep	Unspecified	Unspecified	Unspecified
<b>Comments:</b> This riser above the floodplain within #610-15 was avoided during harvest operations due to issues of working up its steep slope from the particularly low ground that occurs along its base.							
14	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Excluded from stand 77's 2016 YOE harvest due to inoperable ground conditions. The west part was excluded during tsale prep. The SE peninsula along the PVT property was included in the harvest but not cut due to deteriorating ground conditions.							
15	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention islands left for stand 37's harvest #625-15							

## Report 4 – Site Conditions

Grayling Mgt. Unit

Joan Charlebois : Examiner

Compartment: 269

Year of Entry: 2025

16	<b>Unavailable</b>	<b>2G: Too wet (sensitive soils, does not include access issues)</b>	5	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Small portions of stand 75 that fall outside of the RMZ.							
17	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	1	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Retention in addition to the Lost Lake RMZ for stand 25, harvest #625-15							
18	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Small stand with a mix of immature to overmature cover.							
19	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	4	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Proposed retention around the wildlife opening.							
20	<b>Unavailable</b>	<b>5E: Long-Term Retention</b>	2	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Proposed retention for stand 65's draft harvest.							

Mgt. Unit

Compartment: #Type!

Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
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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 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	Research and Military Areas	These areas provide facilities and lands specifically dedicated for research, or other purposes. They include the 5,847 acre Forest Fire Experiment Station, the 12,000 acre Houghton Lake Wildlife Research Area, the Beaver Islands Archipelago Wildlife Research Area (that includes most of Garden Island, all of High and Hog Islands, all state owned land on Beaver, South Fox and North Fox Islands), the Cusino Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research Station, the 125 acre Wyman Nursery, and over 144,000 acres of Military Lands.
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	Designated Critical Habitat	Critical habitat areas are established via a consultative and cooperative process between the DNR and the U.S. Fish and Wildlife service for the recovery of threatened and endangered species, as governed by Part 365, Endangered Species Protection, of the Natural Resources and Environmental Protection Act, 1994 PA 451, and the Federal Endangered Species Act of 1973. This is an active program, with proposed species plans in various stages of review. As of now only two exist, Kirtland Warbler Habitat and Piping Plover Habitat.
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.
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
3	6220 - Alder/willow	Nonstocked	1.6		Unspecified	No	Lowland shrub cover (mostly salix) above the north pond of Lonesome Lake.
4	500 - Water	Nonstocked	2.9		Unspecified	No	North end of Lonesome Lake. Separated from the main basin by some marsh.
5	6220 - Alder/willow	Nonstocked	1.0	0	Unspecified	No	Salix with tag alder and some leatherleaf.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
6	4130 - Aspen	Poletimber Medium	17.1	56	51-80	N/A	<p>Most of the stand resulted from a late-1960's regen event. That disturbance left a minor, now very overmature, aspen component that is log-xlog in size and breaking up. The majority aspen cover in its mid-50's is pole-log in size. There is also a minor immature aspen component that has been colonizing openings within the stand. The traces of RP &amp; PB are mainly on the west edge against the lowlands; the few WP are further east. The stand's south half has a lot of disturbed ground from past off-road maneuvers. Eight acres of contiguous covertime in comp 302 stand 25 were merged into this stand.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		20	Pole/Log	8	54	Serviceberry (Juneberry)		Low	Variable	Tall Shrub	
Paper Birch		1	Pole	6		Bigtooth Aspen		Low	Variable	Sapling	
Red Pine		1	Pole/Log/XLog	8		White Oak		Low	Variable	Sapling	
White Oak		3	Log/Pole	12		Red Oak		Low	Variable	Sapling	
Red Maple		20	Pole/Sapling	6		Black Cherry		Low	Variable	Tall Shrub	
Red Oak		5	Pole/Log/Sap	7							
Bigtooth Aspen		50	Pole/Log	9	56						

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
8	4130 - Aspen	Poletimber Well	16.8	55	81-110	N/A	<p>Narrow valley stand with some very steep terrain. BTA occurs mainly on the mid to upper slopes. Sparser QA occupies the valley bottom. The mature oak increases on the steepest terrain.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Quaking Aspen		25	Pole/Log	9		Black Cherry		Low	Variable	Tall Shrub	
White Oak		5	Log/XLog/Pole	12		Serviceberry (Juneberry)		Low	Variable	Tall Shrub	
Red Oak		10	Log/Pole/XLog	14	85	Witch Hazel		Medium	5 - 10 feet	Tall Shrub	
Bigtooth Aspen		50	Pole/Log	8	55	White Oak		Low	Variable	Sapling	
Red Maple		10	Pole/Sap/Log	5							

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments				
9	4123 - Red Oak	Sawtimber Well	63.0	85	81-110	N/A	<p>All but 3 acres of the stand fall within the Range 40 fence. The small poly outside the fence is on a steep hilltop. Periodic fire influence within the range has likely started new age classes in the O-A-RM.</p>				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Red Oak		60	Log/Pole/XLog	12	85	Red Maple		Low	Variable	Sapling	
Red Maple		15	Sapling/Pole	4		White Oak		Low	Variable	Sapling	
Bigtooth Aspen		5	Pole/Log	8		Witch Hazel		Low	5 - 10 feet	Tall Shrub	
Quaking Aspen		3	Pole/Log/Sap	8							
Red Pine		1	XLog/Log	18							
Paper Birch		1	Pole	6							
White Oak		15	Log/XLog/Pole	12							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																																					
11	4199 - Other Mixed Upland Deciduous	Sapling Medium	30.5	5	Immature	N/A	O-A-RM stand was final harvested by early 2018 (#625-15), cutting stems 2"+ DBH except RP-WP (traces) and boundary-excluded retention (steep slopes and lake/wetland RMZ, split off as stand 14). Regenerated to RM-A with a minor but competitive stump-origin oak component. The single-stem oak (mostly WO) is heavily browsed. On steeply rolling terrain. Aspen on the lower terrain occurs in dense patches. The RM-O occurs more on the hilltops and forms sparser coverage.																																																																					
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12	122 - Road/Parking Lot	Nonstocked	9.3	0	Unspecified	No	Cleared road corridor within the R40 fence.																																																																					
13	6239 - Mixed Emergent Wetland	Nonstocked	5.7		Unspecified	No	Marsh that separates the north end of Lonesome Lake from the main basin.																																																																					
14	4123 - Red Oak	Sawtimber Well	15.0	85	81-110	N/A	Was split off from stand 11 as retention for harvest #625-15. The stand also picks up inoperable redlined portions of that harvest. Most of the stand occupies a steep slope down to Lonesome Lake. The xlog oak is mainly along the shoreline. There are traces of immature O-A.																																																																					
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15	4123 - Red Oak	Sawtimber Well	57.5	89	81-110	N/A	O-A-RM stand occupies a N-S ridge. The west aspect above Lonesome Lake is very steep; most of the canopy WP-RP-PB occurs along the lake, in addition to locally full WP understory cover. Small pockets of BTA are scattered throughout. The QA is on the east edge flats. The stand appears to have had a variable disturbance history. Most the RM and some of the A-O were regenerated in the late 1960's. There is evidence of fire scarring on xlog oak in the NE. The north end has a half-dozen deeply-eroded hillclimb trails. There is a road on the west edge immediately along the lakeshore that was closed due to erosion.																																																																					
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17	3301 - Low Density Deciduous Trees	Nonstocked	13.8	0		No	Valley stand. Upland shrub cover (serviceberry, BC, prairie willow) with patches of QA and scattered oak & pine.																																																																					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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<b>18</b>	4130 - Aspen	Poletimber Well	13.3	55	81-110	N/A	A-O-RM stand with immature to overmature components. The S1/2 has QA 40-50 yrs old with FTF, the N1/2 BTA 50-55 yrs old. There is mature oak scattered and in pockets. WP occurs mainly with the QA, including locally full understory cover.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Oak	5	Log/XLog	16	85	White Oak	Low	Variable	Sapling		
Bigtooth Aspen	40	Pole/Log	8	55	White Pine	Low	Variable	Sapling		
Quaking Aspen	35	Pole/Sap/Log	7	44	Black Cherry	Low	Variable	Tall Shrub		
White Pine	4	Pole/Sap/Log	7		Maple Leaved Viburnum	Trace	< 5 feet	Tall Shrub		
Red Pine	1	Pole/Log/XLog	8		Witch Hazel	Medium	5 - 10 feet	Tall Shrub		
Red Maple	9	Pole/Sap/Log	5		Red Oak	Low	Variable	Sapling		
Paper Birch	1	Pole/Log/Sap	6							
White Oak	5	Log/XLog/Pole	15							

<b>19</b>	500 - Water	Nonstocked	14.7			No	Lonesome Lake
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<b>20</b>	4131 - Aspen, Oak	Poletimber Well	36.2	57	51-80	N/A	A-O-RM stand occupying a valley and west side of a ridge. The flats have patchier cover in aspen (mainly QA) with xxlog oak and regen of both species colonizing openings. Canopy cover increases to full moving upslope to the east, transitions from QA to BTA, and ends up with more oak at the top. The mid-1960s regen event that re-started most of the stand, including a component of the oak, left scattered residual oak and aspen. QA on the flats is starting to break up.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
Red Maple	14	Sapling/Pole	4		Bigtooth Aspen	Trace	10 - 20 feet	Sapling		
White Oak	5	Log/Pole/XLog	12		Black Cherry	Low	Variable	Tall Shrub		
Black/Red (Hybrid) Oak	10	Pole/Sapling	6		White Oak	Low	Variable	Sapling		
Red Oak	5	Log/XLog	13	85	Witch Hazel	Low	5 - 10 feet	Tall Shrub		
Quaking Aspen	15	Pole/Log	9	55	Serviceberry (Juneberry)	Trace	Variable	Tall Shrub		
White Pine	1	Pole/Log/Sap	7		Quaking Aspen	Trace	10 - 20 feet	Sapling		
Bigtooth Aspen	50	Pole/Log	8	57	Maple Leaved Viburnum	Trace	< 5 feet	Tall Shrub		

<b>21</b>	4130 - Aspen	Sapling Well	22.1	27	1-50	N/A	Aspen stand was final harvested in 1996 (#008-95), spec'd to cut stems 2"+ DBH. The harvest left residual xlog oak scattered across the stand. Regenerated well to aspen with RM and competitive oak stump sprouts. Oak increases on the hill in the south.			
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size
White Pine	1	Sapling/Pole	4		Serviceberry (Juneberry)	Trace	10 - 20 feet	Tall Shrub		
Quaking Aspen	10	Sapling/Pole	4	27	Witch Hazel	Medium	10 - 20 feet	Tall Shrub		
White Oak	2	XLog	22							
Bigtooth Aspen	60	Sapling/Pole	4	27						
Black/Red (Hybrid) Oak	4	Log/XLog	16							
Red Maple	10	Sapling	2	27						
Red Oak	10	Sapling/Pole	4	27						
White Oak	3	Sapling	2							



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
22	4125 - Black, N. Pin Oak	Sawtimber Well	40.1	57	81-110	N/A	Stand was partially re-started in the mid-1960's. There is a significant stump-origin oak component from that regen event that occupies dominant to codominant crown positions. Most of the aspen is from that disturbance also. Oak residual increases on the ridgetop. The BTA increases on the lower slopes to the east. The mature RO was coded as "BRO" in order to overcome a MiFI error and list it as a separate canopy record from the immature RO. Had to call the stand's overall size "log" due to at least 30% of the canopy being in log-sized stems, but a majority of the stand is in poles.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	10	Sapling/Pole	4		Serviceberry (Juneberry)	Trace		Variable	Tall Shrub
Black/Red (Hybrid) Oak	30	Log	11	87	Witch Hazel	Low		5 - 10 feet	Tall Shrub
White Oak	10	Pole/Log	8		White Oak	Trace		Variable	Sapling
Red Oak	30	Pole	7	57	White Pine	Trace		Variable	Sapling
Bigtooth Aspen	19	Pole/Log	8	57					
Red Pine	1	Pole/Log/XLog	9						
24	4131 - Aspen, Oak	Poletimber Well	26.1	55	81-110	N/A	Within Range 40 fence. Periodic disturbance is greater toward the south end. QA is mostly in the valley through the south end; cover is sparser there with more recent regen. Oak increases on the hilltops. BTA occupies the middle ground.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	25	Pole/Sap/Log	7	45	Red Oak	Low		10 - 20 feet	Sapling
Red Oak	20	Log/Pole/XLog	12	85	White Oak	Low		5 - 10 feet	Sapling
White Oak	5	Log/Pole/XLog	12		Red Maple	Medium		10 - 20 feet	Sapling
Bigtooth Aspen	40	Pole/Log	8	55					
Red Maple	10	Pole/Sapling	6						
25	4130 - Aspen	Sapling Well	17.1	5	Immature	N/A	A-O stand on rolling terrain was final harvested by early 2018 (#625-15), cutting stems 2"+ DBH except retention (Lonesome Lake RMZ & steep slopes, merged with stand 15). Regenerated back to aspen with a minor but secure oak component. RM & WP increase in the north. Moderate to full stocking interspersed with with small NF openings.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Oak	3	Sapling	1	5	Hawthorn (spp.)	Trace		5 - 10 feet	Tall Shrub
White Pine	2	Sapling/Pole	2		Serviceberry (Juneberry)	Low		5 - 10 feet	Tall Shrub
Bigtooth Aspen	10	Sapling	1	5	Hazelnut (Beaked)	Trace		< 5 feet	Tall Shrub
Red Maple	10	Sapling	1	5	Witch Hazel	Trace		< 5 feet	Tall Shrub
Quaking Aspen	70	Sapling	1	5	Prairie Willow	Trace		< 5 feet	Tall Shrub
Black Cherry	5	Sapling	1	5					
26	4131 - Aspen, Oak	Sapling Well	17.0	19	Immature	N/A	Previous inventory noted that the stand was harvested in 2004 (72-016-02-02) "Range 40 Oak Salvage". The harvest extended further to the west, but that area appears to have been set back by fire more recently.		
27	310 - Herbaceous Openland	Nonstocked	5.0		Unspecified	No	LZ X-ray maintained opening.		
28	4130 - Aspen	Sapling Medium	8.0	5	Immature	N/A	A-O stand on two ridges was final harvested by early 2018 (#625-15), cutting stems 2"+ DBH; no retention due to small acreage. The steepest part of the west ridge couldn't be completely cut or chipped. FP 506 is a sub-acre NF inclusion in the valley. Regenerated to A-RM with a minor but competitive stump-origin oak component. The east aspects have 75-100% cover. The valley and west aspect fall into the 25-50% category.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Quaking Aspen	25	Sapling	1	5	Hazelnut (Beaked)	Low		< 5 feet	Tall Shrub
Black Cherry	5	Sapling	1	5	Serviceberry (Juneberry)	Low		5 - 10 feet	Tall Shrub
Bigtooth Aspen	35	Sapling	1	5	Witch Hazel	Trace		< 5 feet	Tall Shrub
Red Oak	10	Sapling	1	5					
White Pine	1	Sapling/Pole	3						
White Oak	4	Sapling	1						
Red Maple	20	Sapling	1	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																											
29	3301 - Low Density Deciduous Trees	Nonstocked	5.3	0		No	Serviceberry, BC & prairie willow with scattered NPO, RM, aspen, RP, WP & JP in a wide range of sizes.																																																											
30	4116 - Mixed N. Hardwood - Aspen	Sapling Well	81.5	16	Immature	N/A	O-A-RM stand was cut 2"+ DBH in 2007 (#674-05). Regenerated heavy to RM, with aspen and minor but vigorous oak components. The stump-origin oak occupies dominant/codominant canopy positions. The single-stem oak is more intermediate. Traces of WP & beech. On rolling terrain.																																																											
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31	4130 - Aspen	Sapling Medium	25.0	5	Immature	N/A	Sparse A-RM stand with a minor oak component was final harvested by early 2018 (#625-15), cutting stems 2"+ DBH except green-marked (traces of log-xlog oak); no additional retention due to narrow stand shape. The aspen was noted to have had heart rot and black canker, and cruised out to ~8 cd/ac. The aspen regen is patchy. Areas that were non-stocked pre-harvest have mainly BC regen, with aspen in-growth along the edges.																																																											
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32	4131 - Aspen, Oak	Poletimber Well	12.9	54	81-110	N/A	A-O stand on rolling terrain. Did not have a uniform regen event. Was partially cut-over in the late 1960's, resulting in variable distribution in regen and residual. Most of the aspen is regen from that event, with scattered overmature stems. The oak is heavier to residual although there is an immature oak pole cohort. The oak cover increases moving uphill to the east.																																																											
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33	4123 - Red Oak	Poletimber Well	43.5	35	51-80	N/A	O-A stand on the west aspect of a ridge was cut merch in 1988 (#026-86). Regenerated well to oak with aspen. The stump-origin oak is vigorous, clean-boled and dominant-codominant in the canopy. The aspen increases on the lower slopes.																																																											
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments		
<b>34</b>	4131 - Aspen, Oak	Poletimber Well	64.1	55	81-110	N/A	A-O-RM stand on rolling terrain. Did not have a uniform regen event. Was partially cut-over in the late 1960's, resulting in variable distribution in regen and residual. Most of the aspen is regen from that event, with scattered overmature stems. The oak is heavier to residual although there is an immature oak pole cohort. Because of a MiFI limitation, only one age could be assigned to each species, so the residual age was applied to the oak, and the regen age to the aspen. The traces of RP are almost all legacy trees.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Pine	1	XLog/Log/Pole	20		Maple Leaved Viburnum	Low		< 5 feet	Tall Shrub
Sugar Maple	1	Pole/Sap/Log	5		Ironwood	Trace		Variable	Sapling
Quaking Aspen	5	Pole/Log	8		Beech	Trace		Variable	Sapling
Red Maple	15	Pole/Sap/Log	6		Witch Hazel	Low		10 - 20 feet	Tall Shrub
Red Oak	30	Log/Pole/XLog	11	85	White Pine	Trace		Variable	Sapling
White Oak	1	Log/Pole	12						
Paper Birch	1	Pole	6						
Bigtooth Aspen	45	Pole/Log	8	55					
Beech	1	Sapling/Pole	3						
<b>35</b>	4131 - Aspen, Oak	Poletimber Well	113.8	36	81-110	N/A	A-O-RM stand was cut merch in 1987 (#032-86). Regenerated back to aspen with significant O-RM components. The stump-origin oak occupies dominant to co-dominant crown positions. Species distribution varies across the stand. There are traces of residual oak saw and WP.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	15	Sapling/Pole	3	36	Witch Hazel	Medium		Variable	Tall Shrub
Red Oak	32	Pole/Sapling	7	36	Maple Leaved Viburnum	Trace		< 5 feet	Tall Shrub
Beech	1	Pole/Sapling	5						
Paper Birch	1	Pole/Sapling	5	36					
Quaking Aspen	5	Pole/Sapling	5	36					
White Oak	1	Sapling/Pole	4						
Bigtooth Aspen	45	Pole/Sapling	6	36					
<b>36</b>	4199 - Other Mixed Upland Deciduous	Sapling Well	84.2	15	Immature	N/A	O-A-RM stand on a ridge was cut 2"+ DBH in 2008 (#674-05) except for 3 retention islands (totaling 4 acres) on the east edge. Small additional patches were left uncut on the steepest ground above the retention islands. The stand regenerated to RM with BTA and minor but competitive RO & WO components. The largest aspen clones are on the lower slopes. RO increases on the steep east aspect.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Red Maple	45	Sapling	1	15	Black Cherry	Trace		< 5 feet	Tall Shrub
Red Oak	10	Sapling	3	15	Maple Leaved Viburnum	Trace		< 5 feet	Tall Shrub
White Oak	10	Sapling	2		Witch Hazel	Medium		5 - 10 feet	Tall Shrub
Red Oak	3	Log	14						
Bigtooth Aspen	30	Sapling	2	15					
Bigtooth Aspen	2	Log	10						
<b>37</b>	4130 - Aspen	Sapling Well	23.6	5	Immature	N/A	Aspen stand with minor RM-O components was final harvested by early 2018 (#625-15), cutting stems 2"+ DBH except for the scattered RP and two sub-acre retention islands. Regenerated well to aspen. Carried forward the previous inventory age for the residual aspen in the ret islands.		
Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density		Avg. Height	Size
Bigtooth Aspen	5	Sapling	1	5					
Black Cherry	5	Sapling	1	5					
Quaking Aspen	4	Log	10	65					
Red Pine	1	Log/Pole/XLog	12						
Quaking Aspen	80	Sapling	1	5					
Red Maple	5	Sapling	1	5					



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments					
<b>38</b>	4131 - Aspen, Oak	Sapling Poor	68.6	7	1-50	N/A	Seed tree harvested in 2016 (#607-15). Cutting specs differed between the three pre-harvest stands but all left seed-tree levels of either green-marked trees, oak, or pine. The harvest removed predominantly BTA, followed by RM and a minor amount of oak. The designated species were cut >/< merch, leaving scattered large sap-small pole residual. Xlog open-grown NPO were the primary green-marked leave trees; that canopy record was coded as "BRO" in order to overcome a MiFI error and list it separately from the immature NPO. Carried forward the previous inventory NPO age although it probably underestimates the xlog component's age. Cover is a mosaic of U-LDT and A3 patches, with residual scattered above. The aspen clones are continuing to expand into the NF areas.					
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>		<b>DBH</b>	<b>Age</b>		<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		10	Sapling/Pole		1			Serviceberry (Juneberry)		Medium	10 - 20 feet	Tall Shrub
Black Cherry		10	Pole/Sap/Log		6			Prairie Willow		Low	5 - 10 feet	Tall Shrub
Jack Pine		1	Pole/Log		8							
White Pine		1	Pole/Sap/Log		7							
Quaking Aspen		5	Sapling		1	7						
Bigtooth Aspen		50	Sapling/Pole		1	7						
Black/Red (Hybrid) Oak		13	XLog/Log		22	94						
Northern Pin Oak		5	Sapling/Pole		3							
White Oak		5	Pole/Sap/Log		3							
<b>39</b>	4199 - Other Mixed Upland Deciduous	Poletimber Well	10.8	57	81-110	N/A	Stand occupies a steep east aspect. Could not find a harvest record, but the majority O-A pole cover dated to a mid-1960's regen event. The stump-origin oak poles occupy dominant to co-dominant crown positions. There is a minor mature residual oak component that occurs mainly on the stand's perimeter. The BTA increases moving downslope. The mature RO canopy record had to be called BRO in order to overcome a MiFI limitation.					
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>		<b>DBH</b>	<b>Age</b>		<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Black/Red (Hybrid) Oak		10	Log		12	88		Maple Leaved Viburnum		Low	< 5 feet	Tall Shrub
Bigtooth Aspen		30	Pole/Log		8	58		Witch Hazel		Low	5 - 10 feet	Tall Shrub
Paper Birch		2	Pole		7							
Red Maple		10	Sapling/Pole		3							
Red Oak		45	Pole		7	57						
White Oak		3	Pole/Sapling		7							
<b>40</b>	6229 - Mixed lowland shrub	Nonstocked	1.0	0		No	Small wetland with salix, leatherleaf, and marsh cover.					
<b>41</b>	320 - Upland Shrub	Nonstocked	6.3			No	Military Firing Point (FP 115). Was last brush-hogged around 2012. Upland shrub cover has re-sprouted across the opening (mostly BC, with prairie willow and serviceberry).					
<b>42</b>	4123 - Red Oak	Sawtimber Well	14.9	87	81-110	N/A	Narrow valley stand. Oak cover on the flats is more open-grown; form improves moving upslope. The minor aspen component is mostly overmature. There are traces of immature pole oak and aspen but not enough to call the stand 2-aged.					
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>		<b>DBH</b>	<b>Age</b>		<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		15	Pole/Sap/Log		7			Serviceberry (Juneberry)		Low	Variable	Tall Shrub
Bigtooth Aspen		10	Log/Pole		12			White Pine		Trace	Variable	Sapling
Paper Birch		1	Log/Pole		10			Sugar Maple		Low	5 - 10 feet	Sapling
White Pine		1	Pole		6			Red Oak		Low	Variable	Sapling
White Oak		10	Log/Pole/XLog		11			White Oak		Low	Variable	Sapling
Red Oak		62	Log/XLog/Pole		14	87		Witch Hazel		Low	5 - 10 feet	Tall Shrub
Red Pine		1	XLog		20							



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<b>43</b>	4123 - Red Oak	Poletimber Well	12.2	36	81-110	N/A	O-A stand on a hill was cut merch in 1987 (#027-86). The stump-origin oak is clean-boled and occupies dominant-codominant crown positions. The RM is also stump-origin but further behind in development. Traces of PB.																																																																
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<b>44</b>	3301 - Low Density Deciduous Trees	Nonstocked	98.0	0		No	Large outwash plain opening. Upland shrub cover (serviceberry, BC, hawthorn, prairie willow) with scattered NPO-WO, stump-origin RM clumps, small aspen clones, & traces of RP-WP-JP.																																																																
<b>45</b>	320 - Upland Shrub	Nonstocked	8.3		Unspecified	No	Military Firing point (FP 110). Last brush-hogged around 2012. BC, serviceberry, & prairie willow re-sprouted across the opening, along with a couple patches of A3 on the perimeter.																																																																
<b>46</b>	6220 - Alder/willow	Nonstocked	1.3	0		No	Pair of small tag alder wetlands connected by a narrow swale. Aspen on margins.																																																																
<b>47</b>	6220 - Alder/willow	Nonstocked	1.1	0		No	Salix & tag alder with cattail.																																																																
<b>48</b>	4130 - Aspen	Poletimber Well	31.7	37	81-110	N/A	A-O stand was cut merch in 1986 (#027-86). Regenerated well to aspen, with the WP and traces of RP mainly around stands 40 & 49																																																																
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<b>49</b>	6225 - Bog	Nonstocked	4.3	0	Unspecified	No	Leatherleaf bog with patches of salix and scattered pine saplings. Snags throughout. Was within stand 48's harvest but this low ground appears to have been largely avoided. It met the forested benchmark during 2015 YOE inventory but extensive mortality since took out most of the mature JP-WP-RP cover																																																																
<b>50</b>	4130 - Aspen	Sapling Well	83.3	17	Immature	N/A	Aspen stand was final harvested in 2006 (#049-05), cutting stems 2"+ DBH except O-RP-WP. Pre-harvest cover was patchy A5. Post-harvest cover is dense aspen regen with U-inclusions and scattered residual oak-pine of varying sizes. Most of the low ground inclusions are south of the E-W road.																																																																
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51	6112 - Lowland Aspen	Poletimber Well	11.7	27	51-80	N/A	Lowland aspen stand was final harvested in 1996 (#008-95), spec'd to cut 2"+ DBH. The lowest ground that could not be harvested was merged with lowland shrub stand 52. The south part was cut off by stand 53's firing point expansion. The QA is still transitioning into the pole class but enough is there to call it pole overall. The balsam poplar is concentrated along the L3 edge and has a residual component..																																																																	
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52	6220 - Alder/willow	Nonstocked	6.0			No	Salix with tag alder and patches of cattail. Uncut portions of stand 51 were merged with this stand and have scattered QA & balsam poplar saw above L3.																																																																	
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53	4130 - Aspen	Sapling Medium	8.2	11	Immature	N/A	Military Firing Point (FP 124). Aspen has been filling in since it was last cleared around 2012. Part of the regen that was brush-hogged was from 1996 & 2006 harvests.																																																																	
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54	4130 - Aspen	Sapling Poor	21.6	7	Immature	N/A	Patchy declining aspen stand was final harvested in 2016 (#607-15), spec'd to cut stems 2"+ DBH except oak. Cruised harvest volume was 4 cds/acre. The stand was cut >/< merch, leaving large sapling-small pole aspen scattered across the stand, in addition to the designated-leave NPO. Aspen regen from the harvest occurs in small clones that are slowly spreading into the upland shrub cover. Because a MiFI limitation prevents listing the residual aspen separately from the regen canopy record, the BC canopy record was used as a surrogate to represent that second age class. The previous inventory aspen age was applied to the BC.																																																																	
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55	310 - Herbaceous Openland	Nonstocked	8.5		Unspecified	Managed Opening	Military Firing Point (FP 127), part of the NWTF-DNR-DMVA cooperative wildlife opening maintenance project. The cleared but uncultivated perimeter (2.5 acres) has re-sprouting aspen, BC & serviceberry.																																																																	
56	4130 - Aspen	Sapling Well	23.5	17	1-50	N/A	Aspen stand was final harvested in 2006 (#049-05), cutting stems 2"+ DBH except O-RP-WP. Dense aspen regen from the harvest is dotted with U/LDT inclusions, variable distribution in residual oak (large sapling to xlog) and scattered WP-RP.																																																																	
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57	6220 - Alder/willow	Nonstocked	11.6			No	Tag alder with salix and scattered aspen. Was partially within stand 58's harvest but could not be cut due to ground conditions at the time. Snags and blowdowns common.																																																																												
58	6112 - Lowland Aspen	Poletimber Well	54.1	27	51-80	N/A	Lowland aspen stand was final harvested in 1996 (#008-95), spec'd to cut 2"+ DBH. The lower ground was only partially cut and the most saturated ground was excluded altogether. Unharvested portions were either merged with adjacent stands or left as mature inclusions within this stand. Aspen filled in well except on the very lowest ground (with L3) and on the upland edges (more NPO-U there).																																																																												
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59	3301 - Low Density Deciduous Trees	Nonstocked	5.1	0		No	BC & serviceberry with scattered O-A-RP-WP-JP of varying sizes.																																																																												
60	6220 - Alder/willow	Nonstocked	13.1	0		No	Tag alder, salix, red osier dogwood and bog birch with three sub-acre forested patches: aspen, black spruce-NWC, and RM. Was partially within stand 58's harvest but could not be cut due to ground conditions at the time. Handful of log WP at the north end.																																																																												
61	4119 - Mixed Northern Hardwoods	Sawtimber Poor	52.4	98	1-50	N/A	Cover on this old pine stumpfield is not much above LDT. Primarily oversize RM pulp in stump-origin clumps, with small aspen clones, BC, xxlog NPO, scattered RP, and a patch of WP on the SW edge. The stand had to be called log overall due to its ave diam but it is not log quality.																																																																												
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62	4130 - Aspen	Sapling Well	6.4	27	1-50	N/A	Aspen stand was final harvested in 1996 (#008-95), cutting stems 2"+ DBH. The BTA clones filled in densely. The QA is sparser, particularly in the NE where there is more upland shrub cover. The stand on average hasn't crossed the 30% pole cover benchmark for calling the stand pole overall.																																																																												
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63	6220 - Alder/willow	Nonstocked	2.4	0		No	Salix, tag alder & red-osier dogwood, with low-density aspen cover that was left uncut due to inoperable ground. The W1/2 was within stand 58's harvest boundary and the E1/2 was within stand 68's harvest boundary.																																																																												



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments	
<b>64</b>	42220 - Natural Jack Pine	Poletimber Poor	10.0	51	51-80	N/A	A handful of scattered JP "orchard" trees seeded in this stand over time. The resulting cover is 2+ aged but a MiFI limitation prevents accurately listing it as such. Majority cover is pole-log and around 50 years old. There is younger pole-sapling JP cover colonizing the adjacent openings, and traces of the surviving pioneer JP. The JP cover is patchy, with dense pockets separated by U/LDT openings, driveway, and powerline corridors.	
Canopy Species		% Cover	Size Class	DBH	Age			
Jack Pine		99	Pole/Log	8	51			
Quaking Aspen		1	Pole/Log	9				
<b>65</b>	4119 - Mixed Northern Hardwoods	Sawtimber Medium	24.3	94	1-50	N/A	Marginal 2-aged cover averages in the low end of 50-75%, with U inclusions common. Primarily oversize RM pulp in stump-origin clumps and open-grown NPO, with a few small aspen clones. There is a second age class in small pole-large sapling NPO, but that canopy record had to be called BRO in order to overcome a MiFI limitation. The stand also had to be called log overall due to its ave diam but it is not log quality.	
Canopy Species		% Cover	Size Class	DBH	Age			
Black/Red (Hybrid) Oak		10	Pole/Sapling	6	40			
Bigtooth Aspen		1	Log/Pole	12				
Red Maple		65	Log/Pole	10	94			
Northern Pin Oak		20	XLog/Log	18				
Quaking Aspen		4	Log/Pole/Sap	10				
Sub-Canopy Species		Density	Avg. Height	Size				
Prairie Willow		Trace	< 5 feet	Tall Shrub				
Serviceberry (Juneberry)		Low	10 - 20 feet	Tall Shrub				
Black Cherry		Low	Variable	Tall Shrub				
Northern Pin Oak		Low	Variable	Sapling				
<b>66</b>	3102 - Grass	Nonstocked	14.5		Unspecified	Managed Opening	Military Firing Points (FP 125 and 126), part of the NWTF-DNR-DMVA cooperative wildlife opening maintenance project. The cleared but uncultivated perimeter (7 acres) has re-sprouting BC & aspen.	
<b>67</b>	6112 - Lowland Aspen	Sapling Well	41.0	5	Immature	N/A	Overmature lowland aspen stand was final harvested by early 2018 (#610-15) cutting merch stems except for RP-WP saw, NWC, boundary-excluding retention islands and the Natural Rivers RMZ. Uncut areas of the harvest on inoperable ground were merged along with the retention into stand 75 (see Site Condition layer). Blowdowns were common pre-harvest. Aspen regen is continuing to fill in across the W1/2 of the stand. The E1/2 is already well-stocked. The aspen regen averages out toward the low end of 75-100% cover, along with scattered residual large sap-small pole aspen, fir, NPO & birch stems, and traces of saw RP, WP & NWC.	
Canopy Species		% Cover	Size Class	DBH	Age			
Balsam Poplar		15	Sapling	1	5			
Northern White Cedar		1	Log/Pole	11				
Paper Birch		1	Pole/Sapling	6				
Black Cherry		2	Sapling	1	5			
Quaking Aspen		75	Sapling	1	5			
Balsam Fir		5	Sapling/Pole	2				
Northern Pin Oak		1	Sapling/Pole	1				
Sub-Canopy Species		Density	Avg. Height	Size				
Serviceberry (Juneberry)		Trace	5 - 10 feet	Tall Shrub				
Tag Alder		Low	5 - 10 feet	Tall Shrub				
Willow spp.		Trace	5 - 10 feet	Tall Shrub				
Red Osier Dogwood		Medium	< 5 feet	Tall Shrub				
Hawthorn (spp.)		Trace	5 - 10 feet	Tall Shrub				
<b>68</b>	6112 - Lowland Aspen	Sapling Medium	19.3	5	Immature	N/A	Overmature lowland aspen stand was final harvested with retention by Feb 2018 (#610-15), excluding two sub-acre interior retention islands and the Natural Rivers RMZ. The harvest left scattered large sapling-small pole aspen, elm & birch. The 5% mature QA canopy record is actually pole-log in size but had to be called log in order to overcome a MiFI error. Regen from the harvest varies from A3 to L3, and averages in the low end of 50-75%. This stand had been set up in the 1995 YOY (#008-95) but wasn't harvested due to soft ground & warm winter weather.	
Canopy Species		% Cover	Size Class	DBH	Age			
American Elm		1	Pole/Sapling	5				
Paper Birch		1	Sapling	3				
Balsam Poplar		5	Sapling	1	5			
Red Maple		1	Sapling	3				
Quaking Aspen		87	Sapling	1	5			
Quaking Aspen		5	Log	10	70			
Sub-Canopy Species		Density	Avg. Height	Size				
Willow spp.		Low	Variable	Tall Shrub				
Red Osier Dogwood		Low	< 5 feet	Tall Shrub				
Meadowsweet		Trace	< 5 feet	Tall Shrub				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments			
<b>69</b>	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	7.9	98	51-80	N/A	Variable density mixed deciduous canopy above a moderate to full understory. The NW 2 acres have a sparse canopy above full subcanopy cover. WP seeded in from two legacy trees in the west end of the stand. Aspen increases north of the road, RM increases to the south. The stand didn't have a uniform regen event and is broadly 2-aged across most species. The canopy's log-sized component reaches the 30% threshold where the stand has to be called log overall. The RM "log" stems, however, are just oversized pulp in stump-origin clumps with heartrot common.			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Red Maple		45	Pole/Log/Sap	9	98	Red Maple		Low	Variable	Sapling
Bigtooth Aspen		15	Pole/Log/Sap	8	50	Serviceberry (Juneberry)		Low	10 - 20 feet	Tall Shrub
Red Pine		1	XLog/Log	18		Northern Pin Oak		Low	10 - 20 feet	Sapling
White Pine		10	Pole	6		White Pine		Medium	Variable	Sapling
Quaking Aspen		15	Pole/Log/Sap	8		White Oak		Low	10 - 20 feet	Sapling
Northern Pin Oak		10	Pole/Log/Sap	9						
White Oak		1	Log/XLog	13						
Black/Red (Hybrid) Oak		3	Log/XLog	15						
<b>72</b>	500 - Water	Nonstocked	11.3			No	North Branch of the AuSable River.			
<b>73</b>	3301 - Low Density Deciduous Trees	Nonstocked	65.7	0	Unspecified	No	Large outwash plain opening. Upland shrub cover (serviceberry, BC, hawthorn, prairie willow) with scattered NPO, stump-origin RM clumps, small clumps of aspen, & traces of RP-WP.			
<b>75</b>	6112 - Lowland Aspen	Sawtimber Well	66.0	71	51-80	N/A	Overmature aspen stand on the river floodplain and riser. Pockets of NWC up to 2 acres in size are scattered across the stand. Understory varies from high coverage in balsam fir to diverse L3. The tag alder is mostly along the river. Aspen blowdowns & snags are common. The steep riser transitions onto dry ground; NPO, pine & BTA mix in there. The stand picks up retention left for stands 67 & 77 (see Site Condition layer).			
<b>Canopy Species</b>		<b>% Cover</b>	<b>Size Class</b>	<b>DBH</b>	<b>Age</b>	<b>Sub-Canopy Species</b>		<b>Density</b>	<b>Avg. Height</b>	<b>Size</b>
Balsam Fir		10	Pole	6		Red Osier Dogwood		Low	< 5 feet	Tall Shrub
White Pine		1	Pole/Log/XLog	8		Quaking Aspen		Low	5 - 10 feet	Sapling
Black Willow		1	Log/XLog/Pole	12		Balsam Fir		Low	Variable	Sapling
Northern White Cedar		10	Log/Pole	12	114	Tag Alder		Medium	10 - 20 feet	Tall Shrub
Red Pine		1	XLog/Log/Pole	20		Balsam Poplar		Low	5 - 10 feet	Sapling
Quaking Aspen		55	Log/Pole	12	71					
Tamarack		1	Log	14						
Paper Birch		5	Log/Pole	10						
Bigtooth Aspen		1	Log/Pole	12						
Black Spruce		2	Pole/Log	9						
Balsam Poplar		10	Log/Pole	11						
Northern Pin Oak		3	XLog/Log/Pole	20						
<b>76</b>	3301 - Low Density Deciduous Trees	Nonstocked	18.3		Unspecified	No	Upland shrub cover (BC, serviceberry, prairie willow, hawthorn) with LDT (open-grown xlog NPO, scattered WP-RP, small aspen clones, and dense patches of NPO regen). The tree cover reaches forested levels on the stand's SW edge above the river. 2004 LWD FTP C72-497 was approved to helicopter-lift whole trees for in-stream placement in the river. Informal river access point on the SW edge had stairs constructed to address erosion concerns.			



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
<b>77</b>	6112 - Lowland Aspen	Sapling Medium	21.3	2	Immature	N/A	Overmature lowland aspen stand was final harvested by March 2021 (#610-15) except for the handful of RP-WP-NWC, two sub-acre interior retention islands, and the Natural Rivers RMZ. Widely-scattered tamarack and elm were also left. Uncut portions were split off as stand 75. The regen ranges from A3 in the north to A0 on the lowest ground in the south-center, averaging toward the low end of 50-75% across the stand.																																
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<b>78</b>	3302 - Low Density Conifer Trees	Nonstocked	11.6		Unspecified	No																																	
<b>79</b>	122 - Road/Parking Lot	Nonstocked	9.3			No																																	
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