

Compartment Review Presentation

Grayling Forest Management Unit

Compartment 72066 Entry Year 2021 Acreage: 1,906

County losco

Management Area: Wurtsmith

Revision Date: 2019-01-15

Stand Examiner: Colton Behrmann

Legal Description:

T24N R8E, Sections 4, 5 & 6. Grayling Forest Management Unit, Iosco County

Identified Planning Goals:

To maintain species diversity while also addressing sustainability, forest health, productivity, wildlife habitat requirements, aesthetics, best management practices and recreational opportunities throughout the compartment.

Soil and topography:

Topography within this compartment is generally flat to gently rolling with ridges in the northern portions of the compartment, concentrated along drainages and small creeks. Steeper slope can be found near Duval creek. The major soil complex present in this area is Grayling sand with small inclusions of other types present, the most notable being Graycalm sands. This association is found primarily on upland flats and low knolls which are dominated by jack pine stands commonly in association with red pine and oak species. This soil complex is characterized as being excessively drained with major management concerns including equipment limitation, seedling mortality and erosion from wind and water. Windthrow is also a concern throughout this soil type complex. The bottomlands of this compartment, mainly to the west and north are made up mainly of Tawas-Lupton Muck and Tacoda-Wakeley complex. These soil complexes are characterized as being poorly drained and are most often associated with a water course or water body.

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

The entire compartment is under state ownership. Part of this compartment was used for military training by nearby Wurtsmith Air Force Base. As a result, section 6 has been identified as a hazard area and a Director's order was obtained in July 2009 to close this section off to foot and vehicle entry. Private parcels exist adjacent to the compartment on the north side of sections 4 and 5, and along the eastern side of section 4. The western edge of the compartment is adjacent to USFS land.

Unique Natural Features:

Natural features include a relatively deep valley which contains Duval Creek. This is a narrow coldwater creek with a mixture of sand and gravel substrate. Cedar, white pine red maple and birch inhabit this valley providing shade to the stream while also maintaining water quality. Abundant wildlife utilizes the cover and variable food sources throughout the valley.

Archeological, Historical, and Cultural Features:

None known at this time.

Special Management Designations or Considerations:

Section 6 is part of the Wurtsmith FUDS project. This area was a historical bombing range used by the military in the 1950's. Recent evidence of ordinants being found in the area has resulted in closure of all ORV trails in section 6 as well as a prohibition of foot traffic into this area based on safety concerns. Stand 1 was part of the actual bombing range, with surrounding stands serving as buffers. A Director's Order was obtained in 2009 to enforce the closure of Section 6. The closure will remain until surveys reveal if areas are safe to reopen to the public. Meanwhile all timber harvesting prescribed will be factor limited until equipment can access the area.

There is potential for dry prairie plants in grassy openings to include pine barren's species of Hill's thistle, rough fescue, Alleghany plum and Pale Agoseris. There also is potential for pine barren's species including dusted skipper, grizzled skipper and red-legged spittlebug to be present in these openings. Warbler species will be found in the young jack pine stands that abound in this region. There is also the potential for Eastern Massasauga Rattler, wood turtle and loon to exist within the riparian zones of this compartment. Bald Eagle have been documented in this area.

Watershed and Fisheries Considerations:

Duval Creek traverses the compartment along with multiple tributaries in the north-central portion of section 5, leading through section 6. Forest management in the riparian areas of these creeks should consider ramifications and negative

impacts of any activity to water quality. Potential erosive areas should be avoided at all times.

Wildlife Habitat Considerations:

This compartment is valuable for many species of wildlife. Jack pine forests along with plantations that are dense and large in terms of acreage provide tracts of land used for thermal and protective cover throughout the year by many wildlife species. The creek corridor and surrounding swamps and riparian forests also provide large tracts of uninterrupted land used by a variety of wildlife species for breeding and nesting, protection from predators and forage grounds. Management decisions within this compartment are influenced greatly by wildlife considerations.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and fine-textured till. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Coldwater Shale. The Coldwater does not have a current economic use. A gravel pit is located two miles to the northeast and there could be potential. This compartment is not currently leased for oil and gas development.

Vehicle Access:

Access within this compartment is variable. The west side of the compartment is bounded by Wilber Road, a county road that extends .5 miles north along Section 6. It is difficult to reach the northern portions of the compartment because of roads ending at deep drainages. Access to the remainder of the compartment is from Bissonette Rd, a county road. Two-tracks and forest roads head north from the Bissonnette Road and reach this compartment after crossing semi-maintained Fawn Rd. Note, this section of Fawn Road is not designated county road, it is a state forest trail extending off a county road located to the west. The forest roads vary in condition and are not maintained throughout the winter months. The area within the vicinity of the proposed treatments within this compartment have adequate access and connectivity. Trails/roads for temporary management access will likely be closed when activities area complete.

Survey Needs:

The northern side of section 5 (Corner code D-1) could not be found during current inventory (2021 YOE).

Recreational Facilities and Opportunities:

The compartment contains part of the Old State House ORV Route. This general area receives heavy ORV use. Hunting, snowmobiling and fishing also occur regularly within the compartment.

Fire Protection:

Fire protection is considered in this area because of its close proximity to large jack pine plantations and its tendency for quite droughty soils. Many of the management decisions within this compartment are based on and influenced by the stands probability to be a fire hazard before and after treatment. Section 6 which is part of the FUDS designation is a no plow zone and fire vehicles are to remain on designated roads for all fire suppression activities.

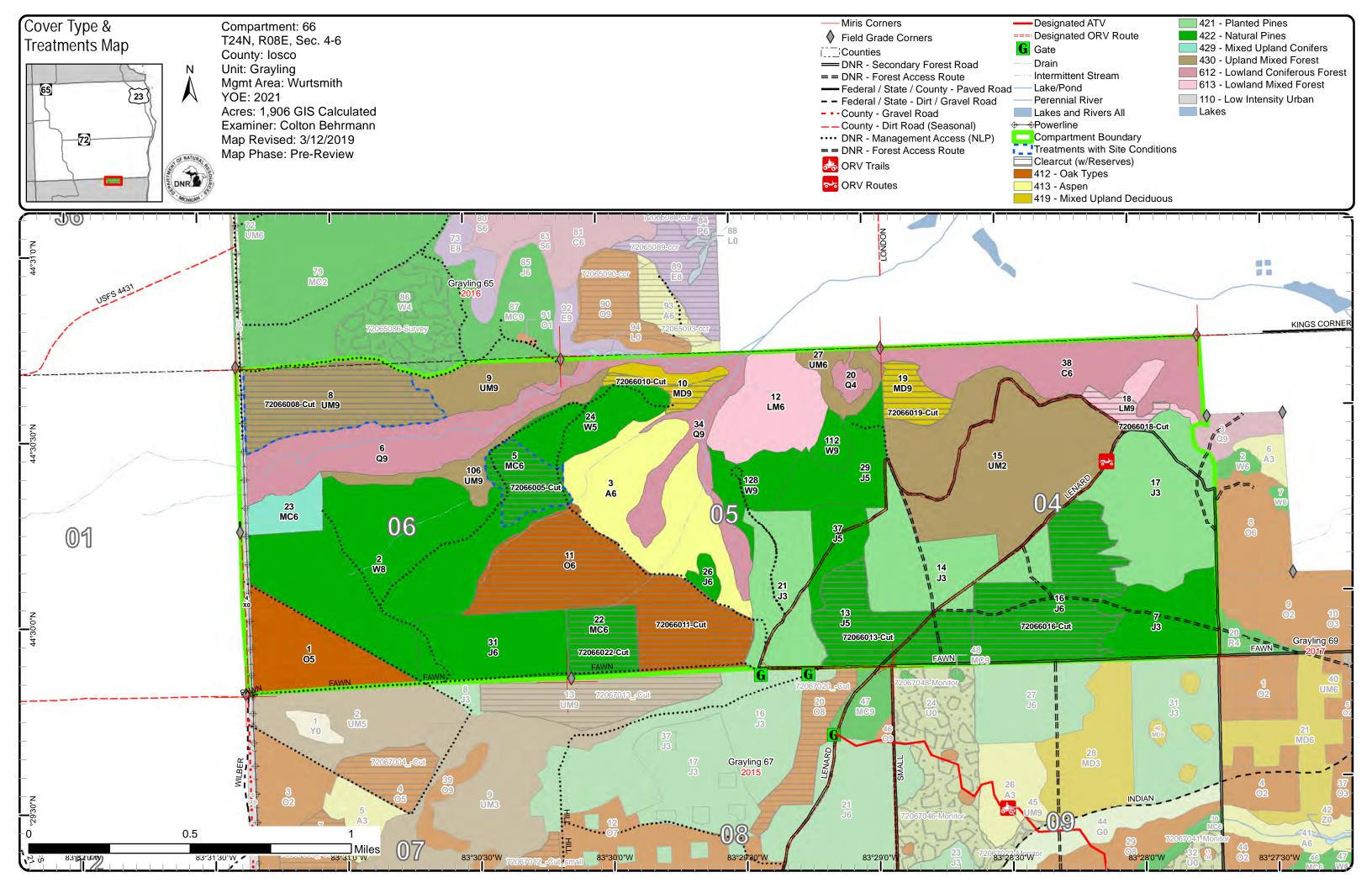
Additional Compartment Information:

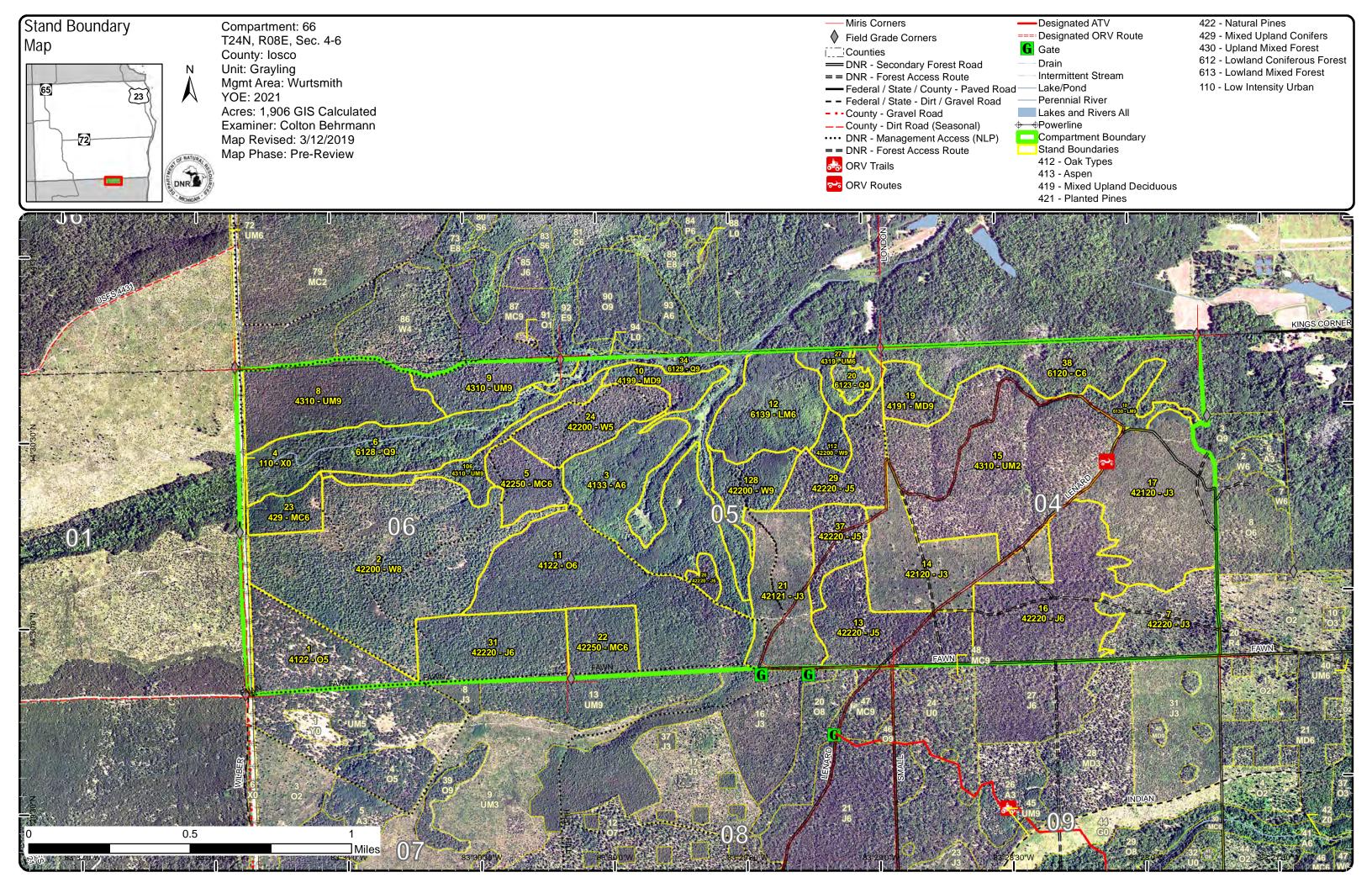
The following reports from the Inventory are attached:

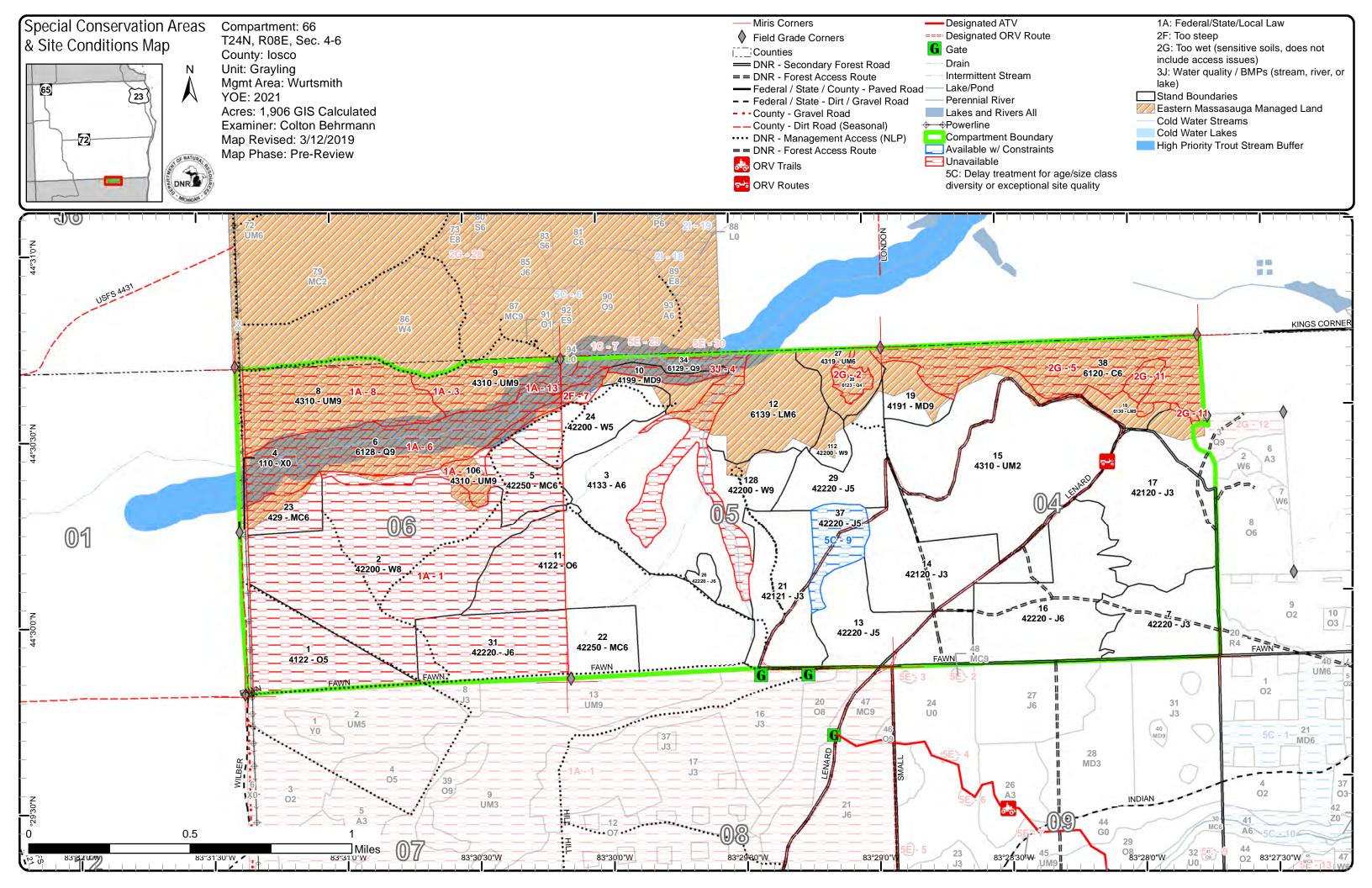
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







Grayling Mgt. Unit

Compartment 66

Year of Entry 2021



Colton Behrmann: Examiner

Age Class

	No.	kode /	,	,		§ / §	No. Co.	, % /§	/ 8 / K	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	8 8	\$ /0/	20,20	§ / ½	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	0 / W	St. St.	g* Jres	To See To
Aspen	0	0	0	0	97	0	0	0	0	0	0	0	0	0	0	0	0	0	97
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	88	0	0	0	0	0	88
Jack Pine	0	52	243	0	110	0	64	119	0	0	0	0	0	0	0	0	0	0	588
Lowland Conifers	0	0	0	0	7	0	0	0	0	0	59	0	0	0	82	0	0	0	148
Lowland Mixed Forest	0	0	0	0	57	0	0	0	0	18	0	0	0	0	0	0	0	0	75
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	19	0	18	0	0	0	0	0	0	37
Natural Mixed Pines	0	0	0	0	0	0	0	27	30	0	0	0	0	0	0	0	0	0	57
Oak	0	0	0	0	0	0	0	57	0	133	0	0	0	0	0	0	0	0	190
Upland Conifers	0	0	0	0	0	0	0	19	0	0	0	0	0	0	0	0	0	0	19
Upland Mixed Forest	0	0	0	0	189	0	0	59	0	76	0	0	0	0	0	0	0	0	324
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
White Pine	0	0	0	0	0	221	41	10	0	0	0	0	0	0	0	0	0	0	272
Total	15	52	243	0	460	221	105	291	30	246	59	18	88	0	82	0	0	0	1910



Report 2 – Treatment Summary

Grayling Mgt. Unit Year of Entry: 2021

Acres of Harvest

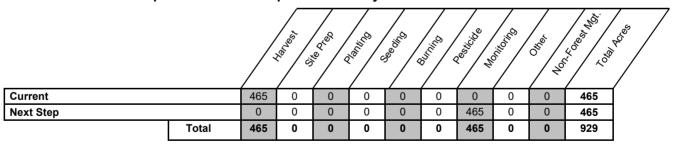
Compartment 66
Total Compartment Acres: 1,906

Commercial Harvest - 362 Harvests with Site Condition - 103 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method

	-																		
		/ (# / C	To the state of th	#DO 10 10 10 10 10 10 10 10 10 10 10 10 10		Comology Company	Outum Soot	K OU O	86 / 86 / 86 / 86 / 86 / 86 / 86 / 86 /		, de la constantina della cons							
Jack Pine		160	0	0	0	0	0	0	0	0	160								
Lowland Mixed Forest		10	0	0	0	0	0	0	0	0	10								
Mixed Upland Deciduous		29	0	0	0	0	0	0	0	0	29								
Natural Mixed Pines		57	0	0	0	0	0	0	0	0	57								
Oak		133	0	0	0	0	0	0	0	0	133								
Upland Mixed Forest		76	0	0	0	0	0	0	0	0	76								
	Total	465	0	0	0	0	0	0	0	0	465								

Proposed and Next Step Treatments by Method



Compartment: 66

Oak Mix

Year of Entry: 2021

S t a

Treatment Treatment Treatment Cover Type Acres Stand Size Stand BA Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure Status d Even-Aged Draft Proposal 5 72066005-Cut 26.8 42250 - Pine, Oak Poletimber Clearcut with 4310 - Pine, 81-110 Harvest

Retention

Habitat Cut: No Site Condition: Federal/State/Local Law

Prescription Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand with oak and a mix of conifer species meeting acceptable stocking levels.

Regen:

Other Consider harvesting with stand 11 to help with access.

Comment:

Proposed Start Date: 10/1 /2020

8 72066008-Cut 76.1 4310 - Pine, Oak Sawtimber 88 111- Harvest Clearcut with 4122 - Oak, Pine Even-Aged Draft Proposal Mix Well 140 Retention

Habitat Cut: No Site Condition: Federal/State/Local Law

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. Focus retention along the southern boundary as a Specs: buffer for Duval creek and slope. Harvest during dry summer or frozen winter conditions due to being in CCAA Massasauga managed lands. Add

shrub spec

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand with oak, mixed deciduous and a conifer component meeting acceptable stocking levels.

Regen:

Other Consider using brush/slash piles as habitat for the massasauga.

Comment

Proposed Start Date: 10/1 /2020

10 72066010-Cut 9.8 4199 - Other Mixed Sawtimber 102 81-110 Harvest Clearcut 4319 - Mixed Even-Aged Draft Proposal Upland Deciduous Well Upland Forest

Jpiand Deciduous Wei

Habitat Cut: No Site Condition:

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. No retention due to small and irregular stand size, this will help to maximize regeneration

potential. Add shrub spec. Limit harvest to a dry summer or frozen winter conditions.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand of mixed deciduous and conifer species meeting acceptable stocking levels.

Regen:

Specs:

Other Group stand with Stands 5 & 11 to help with road access. Stand is in the CCAA Massasauga managed lands, consider using brush/slash piles as

Comment: habitat.

Proposed Start Date: 10/1 /2020

11 72066011-Cut 133.1 4122 - Oak, Pine Poletimber 88 81-110 Harvest Clearcut with 4122 - Oak, Pine Even-Aged Draft Proposal

Retention

Habitat Cut: No Site Condition:

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. Focus on not leaving retention near adjacent Stand

Specs: 3. Add trail spec

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand with oak and a mix of conifer species meeting acceptable stocking levels.

Regen:

Other Comment:

Proposed Start Date: 10/1 /2020

Compartment: 66 Year of Entry: 2021



a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
13	72066013-Cut	64.4	42220 - Natural Jack Pine	Poletimber Medium	57	51-80	Harvest	Clearcut with Retention	4310 - Pine, Oak Mix	Even-Aged	Draft Proposal

Habitat Cut: No Site Condition:

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. Add trail spec.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand of jack pine with an oak component meeting acceptable stocking levels.

Regen:

Other Consider leaving retention between Stands 13 & 16 as a wildlife corridor.

Comment:

Proposed Start Date: 10/1 /2020

16 72066016-Cut 95.2 42220 - Natural Poletimber 60 81-110 Harvest Clearcut with 4122 - Oak, Pine Even-Aged Draft Proposal Retention

Habitat Cut: No Site Condition:

Prescription Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. Add spec 4.1.12.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand of jack pine with an oak component meeting acceptable stocking levels.

Regen:

Other Consider leaving retention between Stands 13 & 16 as a wildlife corridor.

Comment:

Proposed Start Date: 10/1 /2020

18 72066018-Cut 10.1 6130 - Fir, Aspen, Sawtimber 84 111- Harvest Clearcut 6112 - Lowland Even-Aged Draft Proposal Aspen

Habitat Cut: No Site Condition:

Prescription Final harvest all trees 2 inches and greater in diameter. No retention due to small and irregular stand size, this will help to maximize regeneration

Specs: potential. Limit harvest to a dry summer or frozen winter conditions. Add shrub spec and trail spec.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated lowland aspen stand with mixed deciduous and conifer species meeting acceptable stocking levels.

Regen:

Other Stand is in the CCAA Massasauga managed lands. Consider using brush/slash piles as habitat.

Comment:

Proposed Start Date: 10/1 /2020

19 72066019-Cut 19.2 4191 - Mixed Sawtimber 84 81-110 Harvest Clearcut with 4191 - Mixed Even-Aged Draft Proposal Upland Deciduous Well Retention Upland

with Conifer Deciduous with

Conifer

Habitat Cut: No Site Condition:

Prescription Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. Add shrub spec. Limit harvest to a dry summer or

Specs: frozen winter conditions.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand of mixed deciduous with conifer species meeting acceptable stocking levels.

Regen:

Other Stand is in the CCAA Massasauga managed lands. Consider using brush/slash piles as habitat.

Comment:

Proposed Start Date: 10/1 /2020

Grayling Mgt. Unit Report 3 -- Treatments

Grayling Mgt. Unit S

Compartment: 66 Year of Entry: 2021 DNR MICHIGAN

n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Approval
d	Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Status
22	72066022-Cut	29.9	42250 - Pine, Oak	Poletimber Well	71	81-110	Harvest	Clearcut with Retention	4310 - Pine, Oak Mix	Even-Aged	Draft Proposal

Habitat Cut: No Site Condition:

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Naturally regenerated stand of mixed conifer with an oak component meeting acceptable stocking levels.

Regen:

Other Comment:

Proposed Start Date: 10/1 /2020

Total Treatment Acreage Proposed:

464.6

Compartment: 66

Grayling Mgt. Unit

Colton Behrmann : Examiner Year of Entry: 2021

Availa	ability for	Managemer	nt							
Total	Acres	Acres Avail	Acres	[Domina	nt Site	Con	dition	s	
Acres	Available	With Condition	Not Available		5C	1A	1C	2F	2G	3J
97	97	0	0	Aspen						
88	0	0	88	Cedar					88	
587	501	24	62	Jack Pine	24	62			0	
148	0	0	148	Lowland Conifers		83		0	7	58
74	67	0	7	Lowland Mixed Forest					7	
37	29	0	8	Mixed Upland Deciduous				0		8
57	31	0	26	Natural Mixed Pines		26				
190	90	0	99	Oak		99				
19	0	0	19	Upland Conifers		19				
324	190	0	133	Upland Mixed Forest		129	0	5		
15	15	0	0	Urban		0				
271	67	0	205	White Pine		205		0		
1,906	1,087	24	795	Total Forested Acres	24	623	0	5	102	65
	57%	1%	42%	Relative Percent		-				

^{*}Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	1A: Federal/State/Local Law	411	Unspecified	Unspecified	Unspecified	Unspecified
-		ithin the Wurtsmith Bombing and in T24N, R08E Section 6.	and Gunr	nery Range (BGR) Former	ly Used Defense Site (FUI	OS). Directors order has re	estricted the entrance
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
(Comments:						

Report 4 - Site Conditions

Grayling Mgt. Unit

Colton Behrmann : Examiner

Compartment: 66
Year of Entry: 2021

3	Unavailable	1A: Federal/State/Local Law	32	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
	and use of equipme	vithin the Wurtsmith Bombing a ent in T24N, R08E Section 6. ruited into the canopy. Hold to l			·	S). Directors order has re	stricted the entrance
4	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	65	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	88	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	1A: Federal/State/Local Law	82	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
		vithin the Wurtsmith Bombing a ent in T24N, R08E Section 6.	nd Gun	nery Range (BGR) Formerl	y Used Defense Site (FUD	S). Directors order has re	stricted the entrance
	Slope leading down	to creek bank. Possible erosic	n haza	rds with equipment use. Soi	ls are wet at bottom of slo	oe.	
7	Unavailable	2F: Too steep	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand was delineate	ed in previous inventory as a sl	ope tha	it leads down to Duval creek	. .		

Report 4 – Site Conditions

Compartment: 66

Grayling Mgt. Unit

Colton Behrmann : Examiner Year of Entry: 2021

8	Unavailable	1A: Federal/State/Local Law	76	Unspecified	Unspecified	Unspecified	Unspecified
T		within the Wurtsmith Bombing a ent in T24N, R08E Section 6.	ınd Gunne	ery Range (BGR) Former	ly Used Defense Site (FUI	OS). Directors order has res	stricted the entrance
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	24	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
ŀ	lold stand to let 2	nd age class of oak and pine gr	ow into m	ore merchantable timber	. Mature jack pine is alread	dy dead/dieing, and white pi	ine will hold.
11	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Saturated ground a	as stand 18 transitions into stan	d 38.				
13	Unavailable	1A: Federal/State/Local Law	2	Unspecified	Unspecified	Unspecified	Unspecified
T		within the Wurtsmith Bombing a ent in T24N, R08E Section 6.	and Gunne	ery Range (BGR) Former	ly Used Defense Site (FUI	DS). Directors order has res	stricted the entrance
106	Unavailable	1A: Federal/State/Local Law	20	2F: Too steep	Unspecified	Unspecified	Unspecified
C	Comments:						
		within the Wurtsmith Bombing a ent in T24N, R08E Section 6.	ind Gunne	ery Range (BGR) Former	ly Used Defense Site (FUI	OS). Directors order has res	stricted the entrance

03/12/2019 10:48:56 AM - Page 3 of 3 TONELLOM1

Mgt. Unit

Compartment: #Type! Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Grayling Mgt. Unit Compartment: 66
Year of Entry 2021



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.

Conservatio Area	n Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area				
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxy stocked trout populations and those of other coldwater year to year. Coldwater streams in Michigan typically productions of groundwater to their stream flows. Such designated as trout resources by Fisheries Order 210.	fish species (e.g., slimy sculpin) to persist from rovide these conditions due to substantial				
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 adjacen streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife communities are ecologically and socially significant in their effects on water quality and qua as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodi						

s t	Grayling	g Mgt. Unit		Report 7	– Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4122 - Oak, Pine	Poletimber Medium	56.8	65	51-80	Low stocked oak stand with patches of jack pine. Jack pine thicker in the southwest corner of stand. Stand is patchy with open areas, ranging around the 50 BA range. Poor quality trees.OPIC - FMD: Note, this stand is part of a historical bombing range used by military in relation to Wurtsmith air force base back in the 1950s. It is located within identified FUDS special mgt area, which is an area that may contain explosive devices and all entry, foot and vehicle, have been restricted. A Director's order was obtained to enforce the restriction in 2009. SJT. Lowly stocked/low quality oak. Some pockets are thicker than others. JP is scattered throughout, mostly nonmerchantable size class. Overall stand make-up is denser on western side, I.e., more jack pine. Stand used to be part of Wurtsmith Gunnery Range. (old comment) Old Bombing Range
2	42200 - Natural White Pine	Sawtimber Medium	193.2	44	51-80	White pine stand with scattered oak in the overstory. The understory consists of jack pine and oak, with medium to high stocking depending on location in stand. Some patches consists of thick jack pine, where other areas consist of thick oak regeneration.OPIC - FMD: O3 understory with light overstory of white pine that was left when stand was cut. Aspen regen is more common in open areas. Occasional overstory oak present, did not pick up any while sampling within stand. Some places stand is more of a W3/O3. Lots of wildlife use, thick regen in most of stand. (old comment) (good RP - WP understory. Remove overstory Oak & Jack pine, leaving clumps of healthy oak Old Comment). Timber Sale # 72-015-01-01, Wilber Road Oak Block. Cut by Yates Forest Products during winter 2002/2003. The stand is now a W3. 05/12/2003. Mm
3	4133 - Aspen, Mixed Pine	Poletimber Well	96.9	34	111-140	Very diverse stand overall. Edges of stand contain greater numbers of fir, white pine and paper birch. Red maple sprouts are growing in well with the aspen. Western side of stand contains a lowland area that is heavily dominated by fir, cedar and red maple. OPIC - FMD: A3 stand with clones scattered throughout. Sometimes stand is uniform, other times there are openings along with pockets of aspen mixed with significant numbers of balsam fir, oak and white pine. Some red maple clumps are present as well, in relatively low numbers. Stand is variable in places, is a combination of previous stands 3 and 11.

S t	Graylin	Grayling Mgt. Unit			– Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
5	42250 - Pine, Oak	Poletimber Well	26.8	65	81-110	Jack pine stand that is past maturity. As jack pine dies, oak is becoming the most prevalant canopy species with a mix of white pine. Previous inventory had a treatment on the stand, but was never completed due to being in the FUDS restricted area.
						OPIC - FMD: Note: This stand is located in the FUDS restricted area, due to risk of military explosive devices that may remain in the area from a historical bombing range (see std 1), the area was closed to all foot and vehicle traffic in 2009 until military studies reveal the area is clear of devices. No entry can be obtained to harvest this stand until military clearance is obtained. The stand is factor limited - it is anticipated it will be at least 5 years for studies to be completed. SJT.Quite a mixed stand with jack pine dominant overall. Red pine and white pine present in descent numbers and are growing well for the most part. Poor quality oak present as well. Thick understory, some large red and white pine present in overstory. ORV route travels through west side of stand and along eastern edge. Harvest stand as final harvest with reserves, removing all jack pine and oak. Leave red and white pine. Regeneration following harvest will most likely be oak species along with jack pine and natural red and white pine regen. Finger of stand extends to the southwest along stand 36. More oak is present as this is a transition zone between stands 5 and 36. Final harvest this area leaving a few reserve trees. This should help to create more of a thicker edge by regenerating the oak and obtaining some natural regen of jack pine, red pine and white pine. Where stand meets stand 106, similar composition can be found. Stand 106 was delineated because of species differences and stocking levels but also because of topographical differences. This stand line should be maintained during sale setup to avoid steep slopes and erosion issues.
6	6128 - Lowland Coniferous, Mixed Deciduous	Sawtimber Well	81.7	131	141-170	Lowland stand with a diverse mix of species. White pine and red maple are most prevalent, with a good mix of red pine, cedar and aspen. Any cedar that is browse height or lower shows no chance of making it past the deer. Aspen was commonly found along the slopes that lead down into the stand. There are multiple drainages and seeps that connect with Duval creek. A couple fingers of red maple, oak and aspen were found in the stand on the south side of the creek. The south side of the creek also contains areas of witch hazel. Any red maple or oak regeneration is being browsed heavily, with high amounts of wildlife use throughout the stand. The north side of Duval creek showed areas of higher balsam fir regeneration, with pockets of aspen saplings as well. OPIC - FMD: Stand is located in military FUDS boundary, a special mgt area in which all access is restricted due to potential presence of military explosive devices resulting form activities related to a historical bombing range located in stand 1. No foot or equipment entry is allowed, restricting harvest of the stand, until military studies reveal the area is safe for entry, which will probably take at least 5 years. SJT. Mixed stand with pockets of single species composition. Areas of cedar, red maple, birch and fir/WP. Creek flows through central portion of stand/valley, approximately 2-6' wide and 6-18" in depth. Lots of wildlife activity within stand. Heavy browse in places. Areas of thick fir/WP regen in understory. Stand fazes to upland oak/pine with steep banks. These banks were originally part of stand 6 but have been renumbered as stand 106. Limiting factor of being too steep and too wet for any management activities in this area. Blow down and natural flodding have opened up areas of stand for natural regeneration over the years. (old comment) Recommend staying OUT of this area due to steep slopes and water influence. Potential old

s t	Grayling	g Mgt. Unit		Report 7	– Forested	Stands	Compartment: 66 Year of Entry: 2021	DNR DNR
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range		General Comments:	MICHIGAN (6)
7	42220 - Natural Jack Pine	Sapling Well	51.6	9	Immature	scattered immature canopy. Majority of mat eastern portion of the northern portion of the Pine stand. Some so O2. Ground cover cor Recommend a Selection any Aspen that exists wo Oak regenerations were 19. Will accept a mix ocut under 720300701 N	and with pockets of mature roak. White pine is also presure red pine is found in the estand. Few scattered cand stand. OPIC - FMD: Jack Fattered Oak. Understory consists of blueberry patches a on cut, removing all Jack Pi ithin the stand. Protect the ever it exists. Harvest stand of A, O, and JP regen. Harvest Coppler Creek by Shavin May/June 2010.	ent in the southern and opy oak in Pine/Red naists of an and sedges. The control of the control
8	4310 - Pine, Oak Mix	Sawtimber Well	76.2	88	111-140	canopy. Heavy browse in the southern portion creek. OPIC - FMD: No restricted area, due to restricted area, due to remain in the area from the area was closed to military studies reveal the obtained to harve obtained. The stand is least 5 years for studie stand with oak more pleast 5 years for studie stand with oak more pleast 3 years for studies and with oak more pleast 3 years for studies and with oak more pleast 3 years for studies and with oak more pleast 3 years for studies and with oak is of sme very poor quality. Unowever not quite as he thick in places however recruitment into saplin and planting to Jack pattempt to concentrate in order to maintain or jack pine begins to decision leading into stand to avoid topograph operations. Oak very harvest and planting in trail road in 2006- see stand north of trail road discussion iwhen review	pine stand with declining jac on oak is common. There is n of the stand that leads do the: This stand is located in the isk of military explosive devental and the stand of all foot and vehicle traffic in the area is clear of devices. The stand until military clear this stand until military clear this stand until military clear to be completed. SJT. Milentiful in northern portion of a true mixed stand with oak naller diameter in these area and the stand with oak naller diameter in these area and the stand stand with oak naller diameter in these area and stand with oak naller diameter in these area and stand with oak naller diameter in these area and stand so the stand of th	steep terrain wn to Duval he FUDS ices that may (see std 1), n 2009 until No entry can earance is ed it will be at xed oak pine stand while and jack pine s. Oak is of in places ak understory ts-not much I harvesting ithin stand, en is thickest pockets as ted to protect up boundary harvest c. Consider trand north of at portino of 55 per rreview area of stand

S t	Grayling	g Mgt. Unit		Report 7	– Forested	Stands Compartment: 66 Year of Entry: 2021	AE SOURCE
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:	5)
9	4310 - Pine, Oak Mix	Sawtimber Well	33.8	62	111-140	Stand has transitioned to a white pine and oak stand. Much more white oak and red pine in this stand than adjacent stand 8. The white pine has grown into the canopy and is healthy, while the larger more mature oak and jack pine is showing signs of decline. X-log red and white pine can be found in the stand, with a majority of them in the southern portion. The stand contains steep terrain that leads down to Duval creek.	_
						OPIC - FMD: Very mixed oak/pine stand. Typed as an O9 stand however there are areas where pine is a bit more dominant and where stand is more pole sized. Majority of overstory is made up of mixed oak with some large red and white pine present as well. Aspen is also present in low numbers in localized areas. Understory is very thick white and red pine regeneration. Stand 108 was created/separated to delineate slope to stand 6 from stand 8 and 9. JP is present in small pockets. Could treat stand by removing overstory oak and jack pine however quite a bit of damage would occur to understory/regen as previously stated in comments. Access is ok on FS roads coming in the the south/west. Possibly look at in the future as white pine regen begins to thin itself out and develop into more of a W^ stand with supercanopy red/white pine and oak. (old comment) Good W3 stand. Remove Oak & JP. May want to mark occasional RP-WP log tree. Expect some damage to residual understory. Logging activeties should be held is late fall, winter, or early spring. //// Upon field examination and disucssion with Wildlife biologist Robinson, Unit Manager Thiel, J. Bielecki and AALM Montei it was decided to change the prescription that was decided at the Compartment Review. It was agreed to drop the prescription as written and do NO TREATMENT during this YOE. See notes in the Compartment file for further information.	
10	4199 - Other Mixed Upland Deciduous	Sawtimber Well	17.7	102	81-110	Overall oak is dominanting the canopy, with a mix of white pine filling in. Heavy browse on the oak throughout stand. The eastern end of stand contains a pocket of bigtooth aspen that are mature, and they can also be found scattered in the stand. Western end of stand does have some slope, but should not prevent equipment use. OPIC - FMD: Mixed stand, predominantly oak species. Some aspen and mixed conifer species including white pine and balsam fir in north and eastern portions of stand as it fazes into adjacent stand 34. Lots of wildlife use within stand and some blowdown which has increased wildlife habitat and overall structural diversity. (no old comment)	•
11	4122 - Oak, Pine	Poletimber Well	133.1	88	81-110	Mature oak/pine stand. The jack pine is declining. Red pine and white pine can be found throughout the stand, and the red pine shows healthy growth characteristics. Oak in the subcanopy shows heavy browse, with majority of oak regen not reaching above browse height. OPIC - FMD: Moderate to poor quality oak stand, short in height. Lots of WP, JP and RP throughout stand. Moderate stocking of understory in places, low in others. Stand is quite variable overall. Next YOE, consider final harvesting with islands. Leave WP and RP as these species look are doing much better in terms of growth and sie index. May want to plant to red pine following harvest. Lots of trailing arbutus, areas of very thick blueberry. (no old comment)	•

s t	Grayling Mgt. Unit			Report 7	- Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
12	6139 - Mixed Lowland Forest	Poletimber Well	56.8	31	51-80	Stand varies greatly between upland and lowland. There are patches of tag alder, black spruce and cattail in the eastern part of the stand. Aspen is the dominant species overall, with red maple filling in and balsam fir in the subcanopy. Areas not dominated by aspen contain white pine with balsam fir (mostly found in the southern end of the stand). There are remnants of skid trails in the stand and drainages also trace through the stand.
						OPIC - FMD: Mixed stand in the process of regeneration. Definitive stand line was difficult to determine because of mixture of species and some overlap into stand 27 and 34. Aspen and red maple predominate, called stand an E3. Some white pine and small numbers of JP in southern half of stand. Some wet areas and evidence of areas of seasonal high water throughout. (old comment) mix of red maple, balsam fir, WP, aspen, & JP
13	42220 - Natural Jack Pine	Poletimber Medium	64.4	57	51-80	Mature jack pine stand with a mixture of oak and white pine in the canopy. Better quality timber than adjacent Stand 16, but contains scattered openings. Red pine logs located in the eastern part of stand. OPIC - FMD: Mixed stand with JP dominant. Oak scattered around, heavy in understory in some areas of stand. Red pine overstory present in pockets. Overall stand is fair quality providing good cover and age diversity within compartment. (no old comment)
14	42120 - Planted Jack Pine	Sapling Well	78.5	15	Immature	Planted jack pine ranging from 10-20' tall. Oak is doing well, filling in any gaps within the stand. Overstory oak lightly scattered throughout. Traces of red pine and white oak saplings.OPIC - FMD: Planted J3 stand with heavy oak component. (old comment) (Trees dead/dying - CC & replant to make 1 aged stand. In heavy oak areas, leave scattered oak. Logging activities should be held in late fall, winter, or early spring. Old comment) Manage for a mixed jack pine/oak ecosystem per TMS Jim Bielecki on 11/24/2003 11/25/2003 mm (Stand planted under FTP Proposal 8-2004)
15	4310 - Pine, Oak Mix	Sapling Medium	172.2	37	1-50	Stand is dominanted by jack pine and oak. Currently jack pine has more canopy cover. As the stand progresses the oak will continue to grow into large gaps and the crowns will become more dominant. White pine log trees and saplings are scattered throughout, as well as traces of red pine logs and saplings.
						OPIC - FMD: Very mixed stand with oak, JP, WP, RM and occasional RP. Overall stand is O3 with significant JP componenet. Stand continues to be O3 stand with a small amount of merchantable stems scattered throughout. (old comment) mix of oak and JP
16	42220 - Natural Jack Pine	Poletimber Well	95.2	60	81-110	Mature jack pine stand with oak in both the canopy and subcanopy. Red pine (log size) in NW corner. Heavy oak browse in patches, other patches of dense oak regen. road running north from Fawn Road is grown in. Overall poor quality timber. Pocket of aspen not picked up in plots on the southern end of stand near Fawn Road. OPIC - FMD: JP stand with oak common throughout, both as overstory and understory components. JP is fair in quality, short in height, small in DBH. Mostly 1-2 sticks of merchantable timber. Oak is poor quality, of stump sprout origin. Occasional aspen pockets throughout stand, mainly along edges.

s t	Grayling	Mgt. Unit		Report 7	Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
17	42120 - Planted Jack Pine	Sapling Well	102.7	14	Immature	Planted jack pine is doing well, ranging from 10-20 foot tall. Medium density of pin oak mixed into the stand, as well as a trace of white oak.
						OPIC - FMD: J3/O3 stand with thick oak regen in places, mainly of stump sprout origin, some seed source. Lots of browse in places. Some 4-6" DBH JP/RP/WP scattered throughout stand, low #'s. Some overstory oak left as well. Planted JP is doing ok. Overall stand will most likely develop into mixture of oak/JP providing nice diversity. (old comment) cc and hope for natural regeneration [old comment]. Sale completed in June 2002. It appears that there will be sufficient natural oak regeneration. As of nov 2003- it was decided in light of ediscussion at compartment review to plant stand to JP and allow it to come back as a mix of JP and OakSJTAugust 29, 002 mm (Planted to Jack Pine through FTP 485 8-2004)
18	6130 - Fir, Aspen, Maple	Sawtimber Well	17.5	84	111-140	Very diverse mixed lowland stand. The stand mostly consists of red maple, balsam fir and pockets of bigtooth aspen. Large super-canopy white pine sporatic throughout stand. X/log and log sized red pine mostly found in the finger running north into stand 38. Cedar is common along the northern edge as it transitions into stand 38.OPIC - FMD: Mixed stand, a few cedar here and there. Some very large super-canopy WP. The stand is mostly RM and PB. Majority of PB is dead or declining. Stand is currently dry (april) with no open water. This may be a good stand/opportunity to work with wildlife to try and enhance edge and vertical structure. Possibly final harvest some portions?? Stand is along southern edge of stand 38 and is located on and at base of slope down to swampy area. (no old comment)
19	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	19.2	84	81-110	Mature black/red hybrid oak stand with a jack pine component. There are pockets of bigtooth aspen located on the northern end of stand, as well as red maple mixed in. Traces of witch hazel were found in the northern end of stand. OPIC - FMD: Poor soils/poor timber. Oak regen looks good for this area, many 15'+. This stand is still mostly unmerchantable in size. There is a nice mix of moderately stocked regen. WP, WO, RO, RM, JP and RP are all present in moderate numbers. Stand should develop into a mixed pine/oak stand. Overall, stand is typed to be a J4 stand but could be called W4, even mix between these two species as far as merchantable timber goes. (no old comment)
20	6123 - Lowland Fir	Poletimber Poor	7.3	36	1-50	Forested stand on the lower end of the 25-50% canopy cover. Balsam fir dominated canopy with red maple and paper birch filling in on higher ground. High tag alder density throughout. Traces of cedar in the stand, as well as hemlock on transition zones into higher ground.
21	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	61.4	15	Immature	Planted jack pine stand with oak stump sprouts filling in gaps. Natural white and red pine are being recruited throughout the stand, as well as traces of white oak. Height varies anywhere from 5-20' for jack pine. OPIC - FMD: Planted J3 stand with significant oak component. JP is 2-5' in height, growing well. Oak is of stump sprout origin, shrubby and browsed heavily in places. (old comment) (Logging activities should be held in late fall, winter, or early spring. Old Comment). After discussion at CR- decided to replant back to JP via trenching and let stand regenerate as a mixed oak jack pine stand. Timber Sale # 72-014-01-01, ORV Oak-Jack Block. Cut by Georgia-Pacific during winter 2002/2003. 05/12/2003 mm (Planted to Jack Pine through FTP 485 in 8-2004)

s t	Grayling	g Mgt. Unit		Report 7	– Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42250 - Pine, Oak	Poletimber Well	29.9	71	81-110	Mature Jack pine stand overall with a heavy oak component. Areas in the canopy that had opened up are filled with oak. Mature jack pine is declining. OPIC - FMD: Lightly stocked JP stand with thick oak understory, some pockets of light oak regeneration. JP is good quality/form. Some WP present in understory as well. Minimal mortality in JP. Looks like oak was removed, final harvest next YOE after diamter/volume increases slightly and then replant to JP or convert to oak. JP is much higher quality on this site. (no old comment)
23	429 - Mixed Upland Conifers	Poletimber Well	18.8	63	81-110	Pine dominated stand with white and red pine mixed with balsam fir. There is a large pocket of aspen in the middle of the stand that is still pole sized. OPIC - FMD: Mixed stand of white pine and fir. Some areas fir dominates stand in terms of cover type. White pine common with occasional pole sized trees. Steep hill to swamp and high water in northern reaches of stand. (old comment) poor response to cut. Heavy browse. Water influence and steep hills. Potential old growth area.
24	42200 - Natural White Pine	Poletimber Medium	40.7	50	51-80	Currently white pine is in the canopy with oak and jack pine filling in canopy gaps. Similar to stand 35, the canopy closer will be 75-100% once the saplings reach maturity.OPIC - FMD: J3 stand with significant white pine and oak throughout. Stand is desely stocked with all 3 species represented fairly well. Growing well overall. Oak is being browsed heavily in spots. (no old comment)
26	42220 - Natural Jack Pine	Poletimber Well	5.7	39	81-110	Small natural jack pine stand mixed with white pine and oak. Subcanopy contains a medium density of oak regen with white pine mixed in.OPIC - FMD: Mixed stand of oak and naturally regenerated JP. Oak is of very poor quality, JP is fair. Some WP mixed throughout. Understory mainly mixed oak species, browsed heavily and low quality as well. Some pockets of J# within stand. (no old comment)
27	4319 - Mixed Upland Forest	Poletimber Well	16.7	33	81-110	Plot data shows the stand as an aspen stand throughout. Thicker white pine and balsam fir can be found in the transition to the tag alder and along the western side of stand. OPIC - FMD: Aspen, birch and red maple. Averaging 20' in height. Middle of stand has a pocket of alder (L3)-Birch, aspen and mixed conifer continue to be present throughout. Patchy areas of A3/A2/F1/L3/B2/M2/M3. Western side looks to have more of a fir component overall, making small pockets somewhat of a ptype. (old comment) Aspen with scattered Balsam Fir, WP, & JP
29	42220 - Natural Jack Pine	Poletimber Medium	41.8	36	51-80	Jack pine stand with a mix of white pine. Oak is filling in canopy gaps and traces of red pine (both sapling and log size) can be found in the western part of the stand. The subcanopy consists of oak, with a mix of jack pine and white pine. OPIC - FMD: Poor soils/poor timber. Oak regen looks good for this area, many 15'+. This stand is still mostly unmerchantable in size. There is a nice mix of moderately stocked regen. WP, WO, RO, RM, JP and RP are all present in moderate numbers. Stand should develop into a mixed pine/oak stand. Overall, stand is typed to be a J4 stand but could be called W4, even mix between these two species as far as merchantable timber goes. (no old comment)

S t	Grayling	ı Mgt. Unit		Report 7	Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
31	42220 - Natural Jack Pine	Poletimber Well	62.1	33	81-110	Jack pine stand with a heavy oak component. Younger stand and oak is still recruiting into the overstory in open areas. OPIC - FMD: Stand is a mixture of J3/O3 with some heavier pockets of WP. Few merchantable JP stems exist, mainly in southern portion of stand. Nice mixed stand overall, valuable for wildlife in many ways. Some scattered A2 in central portion of stand. (old comment) stand a mix of Jack pine - oak
34	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	59.1	91	111-140	Stand varies from thick, younger white pine (8-9 in. DBH) to areas where hemlock dominates the canopy with minimal regeneration in the understory. Balsam fir is common throughout the whole stand in both the canopy and understory, while cedar can only be found in the canopy. Previous notes mention beaver activity, but no current activity or flooding was found (January 2019). Stand contains sporatic hard and soft maple. OPIC - FMD: Few very small/some seasonal creeks converge to form small stream. Backed up in a couple spots by beaver activity which has created small ponds in places. Forested portion of stand which is the majority consists of cedar, BF, large WP, abundant hemlock, aspen and some oak in transtition zones. Oak are of very good quality. Really nice, unique stand with fair soils, lots of fern species and nice scenery. (no old comment)
37	42220 - Natural Jack Pine	Poletimber Medium	23.6	67	51-80	Two-aged mixed stand of mature jack pine and white pine in 60+ yo canopy. The younger canopy (~30 years) contains jack pine, oak, white pine and traces of white oak and red pine. Stand has open patches similar to adjacent Stand 13. OPIC - FMD: Small pockets of overstory JP with areas of J3 as well. Very mixed stand overall with oak, JP, WP and occasional RM throughout. Blueberry thick with some scattered leatherleaf as well. Some larger WP as well as the occasional RP. Looks like past treatment removed overstory with some smaller (4" DBH) JP left. This is now developing with mixed regeneration filling in. Stand is 2-aged. (no old comment)
38	6120 - Lowland Cedar	Poletimber Well	87.8	117	201+	Cedar swamp with white spruce, red maple, paper birch and balsam fir filling in canopy gaps. Large super-canopy white pine can be found throughout the stand. Western part of stand consists of smaller diameter cedar (still very high BA), and dense fir understory. Areas of windthrow in the stand. OPIC - FMD: Mixed stand with cedar dominant. Pretty typical cedar swamp complex. Areas of high density cedar, some areas of supercanopy white pine. Occasional areas of red maple, mostly near edges and transition zones. Some paper birch, low numbers. (no old comment)
106	4310 - Pine, Oak Mix	Sawtimber Well	25.0	63	111-140	Overall a pine dominated stand with mixed oak and aspen. Most of the aspen can be found along the slope. There is a pocket of x-log red and white pine adjacent to stand 5. This stand is limited by slope. OPIC - FMD: Very mixed stand on slope/ridge/ridgetop between swamp and WP stand (6). Some nice RP, scattered JP, poor quality oak. Thick WP understory, aspen scattered, thick pocket in central/southern area of stand. Slope is very steep in places. Stand could be types a number of ways depending on plot data as entire stadnd is quite mixed. Typed as an oak stand because it looked as though oak species were most prevalent aside from sampling. (new stand, no old comment)

S t	Grayling Mgt. Unit			Report 7	– Forested	Stands Compartment: 66 Year of Entry: 2021
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
112	42200 - Natural White Pine	Sawtimber Well	9.7	65	81-110	Good quality white pine logs in the canopy. Oak stump sprouts, red maple and bigtooth aspen are filling in canopy gaps well. Balsam fir regen can be found on slopes leading down to more lowland type stands (stand 12).OPIC - FMD: Everything but the white pine removed. Excellent regen in the open areas. Some fir in the understory and occasional areas of excellent oak regen. Aspen in areas where canopy is lightened. In places aspen mixes with fir to create excellent cover/habitat. (no old comment)
128	42200 - Natural White Pine	Sawtimber Well	27.6	48	81-110	White pine stand with a very diverse and well stocked understory. Majority of white pine is log sized. Pole size white pine also present in the stand. Large pocket of aspen located on the east end of stand (about 4 acres). Any oak regen shorter than 5' shows signs of heavy browse. OPIC - FMD: W4/W6 stand with oak and aspen present in descent #'s. Some red pine present as well. Larger WP/RP present near central/narrow portion of stand. Edges of stand contain mixture of white pine and dominant A3/4. (no old comment)

Grayling Mgt. Unit

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Stand	Cover Type	Acres	Managed Site	General Comments:
4	110 - Low Intensity Urban	14.8	No	OPIC - FMD: Powerline. Grassy openings for most of the stand. Does drop down to duval creek and becomes quite wet. Creek flows through in this area. Roads are blocked on either side of this valley to obstruct traffic flow and avoid erosion issues. (old comment) Powerline ROW and trail road along it