

# **Compartment Review Presentation**

**Grayling Forest Management Unit** 

Compartment 72219 Entry Year 2022 Acreage: 393

**County Crawford** 

Management Area: Camp Grayling

Revision Date: 2020-03-13

Stand Examiner: Colton Behrmann

**Legal Description:** 

Sections 31 and 32, T27N-R3W, Crawford County

#### **Identified Planning Goals:**

Management Goals: To maintain forest health, productivity, sustainability, species diversification, and structural diversity throughout the compartment while providing for multiple use and visual management.

Military Mgt Objective (for military board lands and long term lease lands):

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 is flat to very gently rolling terrain. There are four major soil type associations within this compartment. They are; Croswell Sand, Grayling sand, Au Gres sand and Tawas-Leafriver Mucks. Croswell Sand is classified as being moderately well drained and is common on outwash plains and stream terraces. Erosion and windthrow possibilities are slight. Grayling sand is classified as being excessively drained and is common on outwash plains. Windthrow is slight and erosion is low. AuGres sand is somewhat poorly drained and is also common on outwash plains and stream terraces. Erosion and windthrow possibilities are slight. Tawas-Leafriver Mucks are classified as being very poorly drained with little erosion hazard and high windthrow hazard depending on exposure to wind.

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

This compartment is broken up by private land throughout. Multiple parcels of state land within the compartment have been disposed over the past twenty years, resulting in the small size compartment we have now. State lands were given to Crawford for the County Fairgrounds and the Animal Shelter. Other lands have been disposed of for private consolidation and development. Part of the compartment is under the Military 10 year lease agreement. The military tank trail does cross through section 31.

-10 Year Management Agreement Lands: State ownership is under the 10 year management agreement with the Michigan National Guard. This agreement allows for camping and maneuvers, but does not allow use of heavy equipment or high intensity live ammunition firing. Tracked vehicles are prohibited on these lands except to cross on designated tank trails. Wheeled vehicles are restricted to existing trails and are not to be driven cross country. MDNR management activities take precedence on these lands, though we try to tailor management activities so they are compatible with National Guard training needs.

A parcel of state land in section 32, located just east of I-75, has no legal access since it was bisected from other state ownership when the freeway was constructed. It was recommended ten years ago this parcel be disposed of via auction as excess. This recommendation is being continued. This land, encompassed by stand 25 is not usable by most public and is recommended for disposal via public auction.

#### **Unique Natural Features:**

The East Branch of the AuSable River, A designated natural river, flows through this compartment. There is also a swamp that has groundwater influence and seeps that flow into the East Branch in many locations. Natural River restrictions apply to this watercourse.

#### Archeological, Historical, and Cultural Features:

No features to report at this time.

#### **Special Management Designations or Considerations:**

Natural River designation on the East Branch of the AuSable river.

#### **Watershed and Fisheries Considerations:**

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The East Branch of the AuSable river provides fishing opportunities within this compartment. Natural River designations apply to this river. Watershed considerations should be carried out with any management activities near the river.

#### Wildlife Habitat Considerations:

Wildlife habitat is good throughout the compartment. Private land ownership does break up the compartment somewhat however management activities on state owned lands have maintained and improved much of the habitat in this area.

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

Surface sediments consist of outwash sand and gravel and postglacial alluvium. The glacial drift thickness varies between 400 and 600 feet. Beneath the glacial drift is the Marshall Sandstone that was previously used as a building stone. The nearest gravel pit is two miles to the north, and gravel potential is limited. There are no current oil and gas leases. The lands in the NE1/4 and SESE of Section 31 are classified as development. The remainder of the compartment is classified as non-development due to wetlands and/or military leases.

#### **Vehicle Access:**

Vehicle access to this compartment is mainly from M-93 and Lewiston Grade Rd. Lewiston Grade Rd is a county gravel rd. This road provides access to Roberts rd which also allows access to other portions of the compartment. Forest roads and 2-tracks are not as numerous in this compartment but still provide ample access to state land.

#### **Survey Needs:**

No survey needs at this time.

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

A designated snowmobile trail #47 and the Shore-to-Shore Riding Hiking trail are located within this compartment. Hunting and fishing also occur within this area throughout the respective seasons and timber management has been carried out to improve each of these activities.

#### **Fire Protection:**

Fire protection is of concern in this area and suppression activities are carried out by the State of Michigan wildland fire program.

#### **Additional Compartment Information:**

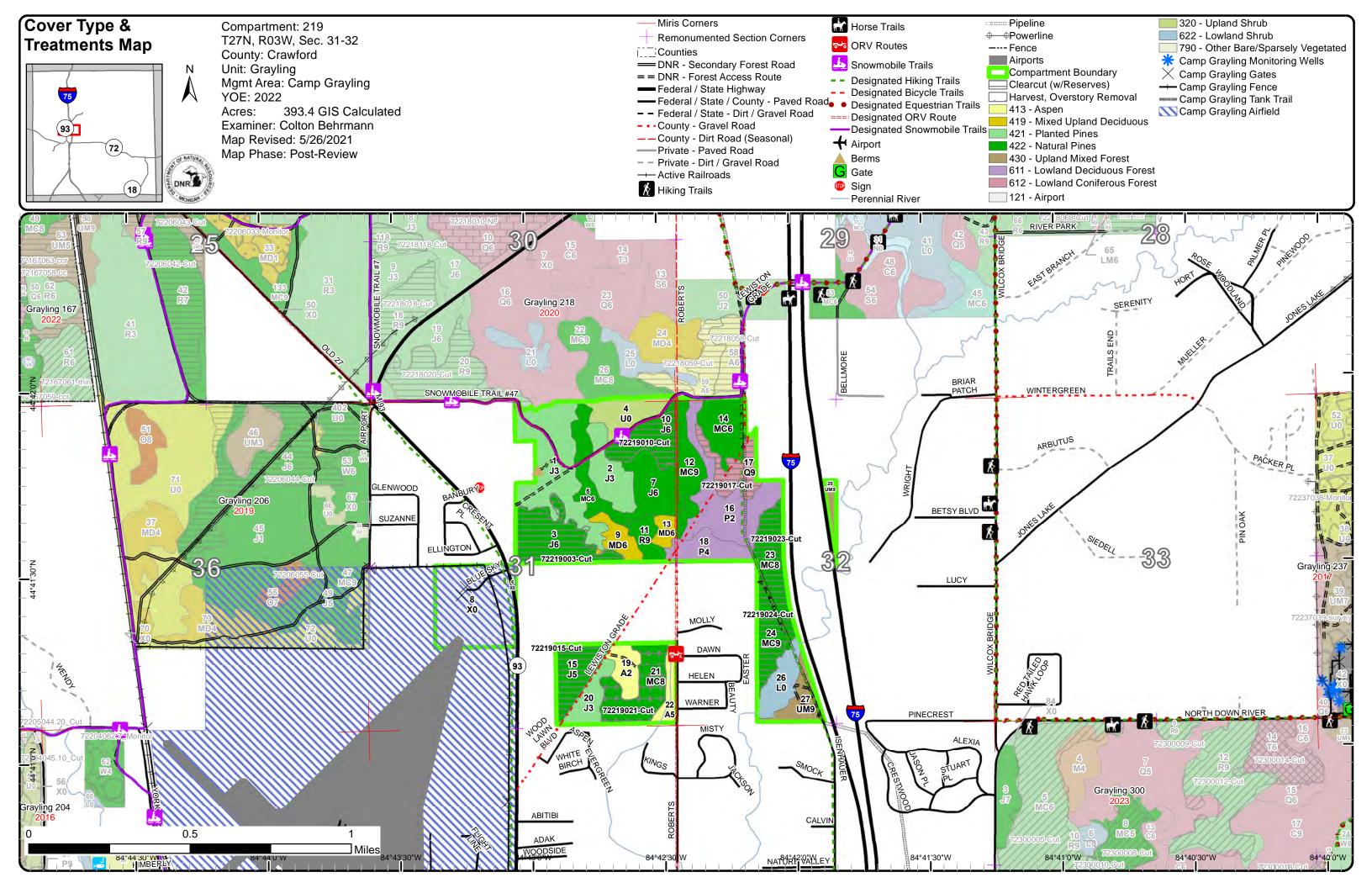
Dump sites are common in the compartment. Recommend closing any new roads that may be used in the future for timber access.

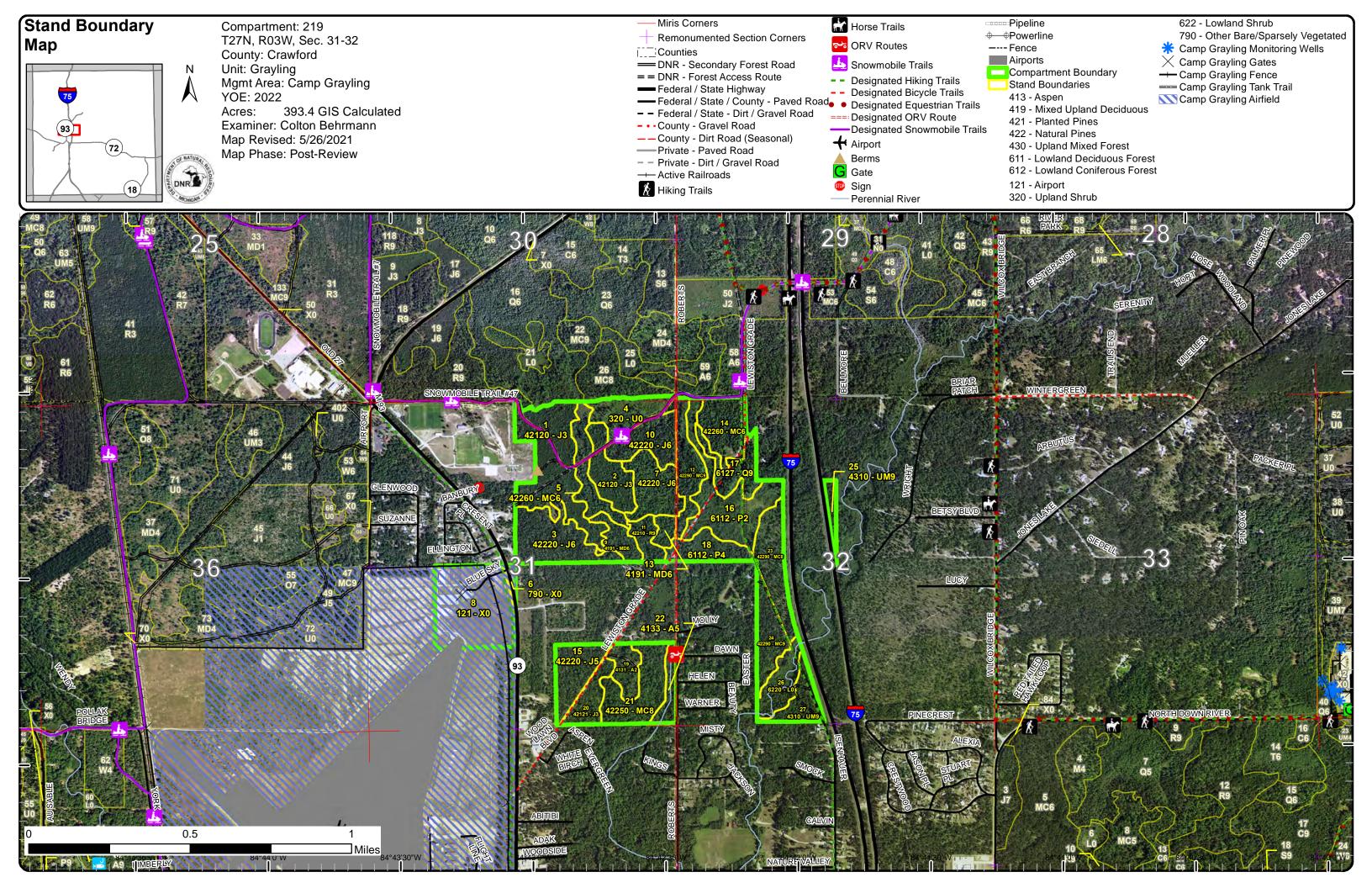
#### The following reports from the Inventory are attached:

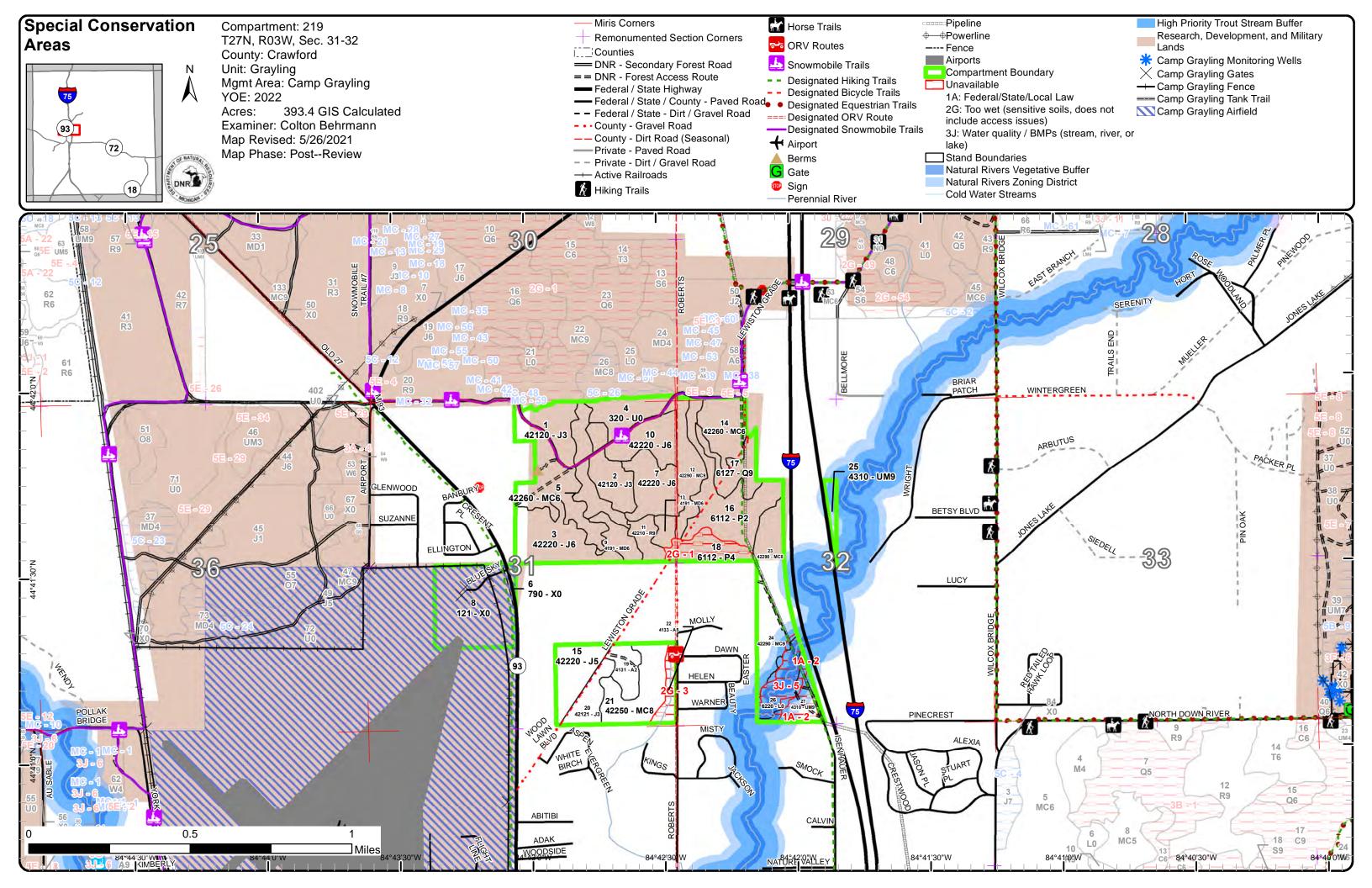
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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







**Colton Behrmann: Examiner** 

Grayling Mgt. Unit



#### Age Class

	* Age	i de la companya de l	\$ \ \u	\$ 4		3 /	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\						7a,		\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \			*   July 1	AND YOU
Aspen	0	0	0	8	0	0	0	6	0	0	0	0	0	0	0	0	0	0	14
Bare/Sparsely Vegetated	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Jack Pine	0	0	0	80	0	0	15	39	0	0	0	0	0	0	0	0	0	0	134
Lowland Aspen/Balsam Poplar	0	0	0	29	0	0	0	12	0	0	0	0	0	0	0	0	0	0	41
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	0	12
Lowland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Mixed Upland Deciduous	0	0	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	11
Natural Mixed Pines	0	0	0	0	0	16	0	60	0	20	0	0	0	0	0	0	0	0	96
Red Pine	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	6
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	4	10	0	0	0	0	0	0	14
Upland Shrub	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14
Urban	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Total	67	0	0	117	0	27	15	117	6	20	4	10	12	0	0	0	0	0	395



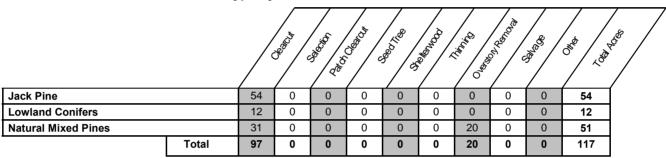
### **Report 2 – Treatment Summary**

# **Grayling Mgt. Unit**

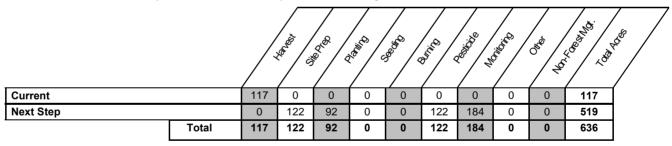
Compartment 219 Year of Entry: 2022 **Acres of Harvest Total Compartment Acres: 393** 

> Commercial Harvest - 117 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

#### **Cover Type by Harvest Method**



#### **Proposed and Next Step Treatments by Method**



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n	Treatment	Acres	Stand	Size	Stand	BA	Treatment	Treatment	Cover Type	Age	Habitat
d	Name		CoverType	Density	Age	Range	Type	Method	Objective	Structure	Cut

#### **Approved Treatments:**

3 72219003-Cut 23.8 42220 - Natural Poletimber 64 Harvest Clearcut with 42111 - Planted Even-Aged No Jack Pine Well Retention Red Pine,
Mixed
Deciduous

<u>Prescription</u> Treat stand by final harvesting jack pine while protecting oak regeneration. Leave 1-2 islands of representative timber placed to also provide <u>Specs:</u> for aesthetic values.

Next Step Treatments:

Acceptable Regen:

Old next step comments: Plant stand to red pine using plantation spacing, plant around pockets of oak regeneration.

Comment:

Other

Site Condition

Proposed Start Date: 10/1 /2011

10 72219010-Cut 14.7 42220 - Natural Poletimber 111-Harvest Clearcut with 42221 - Natural Even-Aged No Jack Pine. Jack Pine Well Retention 140 Mixed Deciduous

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. If regeneration fails plant a fully stocked red <u>Specs:</u> pine plantation. Add snowmobile & ORV spec.

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Monitoring, Artificial Regen(1yr); Treatments: Monitoring, Artificial Regen(3yr); Monitoring, Natural Regen (Intermediate); Pesticide, Skidder - Rel

Acceptable Regen: A naturally regenerated stand of jack pine with mixed deciduous meeting minimum stocking standards. If planted to red pine, a fully stocked red pine plantation.

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

15 72219015-Cut 15.0 42220 - Natural Poletimber 51 81-110 Harvest Clearcut with 4122 - Oak, Pine Even-Aged No Retention

<u>Prescription</u> Final harvest all trees 2 inches and greater in diameter. Follow standard retention guidelines. Focus retention around oak regen. If <u>Specs:</u> regeneration fails plant a fully stocked red pine plantation.

Next Step Monitoring, Natural Regen (Re-Inventory); SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting,

Treatments: Initial Plant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Pesticide, Skidder - Rel

Acceptable Naturally regenerated stand of oak and jack pine meeting minimum stocking levels. If planted to red pine, a fully stocked red pine plantation. Regen:

Other Comment:

Site Condition

Proposed Start Date: 10/1 /2021

S t	Grayling	Mgt. Unit	F	Repoi	rt3 1	Γreatments		Compartmen Year of Entry		DNR DNR
a n Treatment d Name	Acres	Stand CoverType	Size S Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
17 72219017-Cu	11.8 61	27 - Lowland Pin	e Sawtimber Well	113	141- 170	Harvest	Clearcut with Retention	6128 - Lowland Coniferous, Mixed Deciduous	Even-Aged	No
Prescription Final In Specs: south		ees 2 inches and on of stand arour					eater than 24 inche	s in diameter. Foc	us retention in	n the
Next Step Monitor	oring, Natura	ıl Regen (Re-Inve	ntory)							
Acceptable A natu	ırally regene	rated stand of cor	nifers with mi	ixed de	ciduous r	neeting minimu	ım stocking levels.			
Other Comment:										
Site Condition										
Proposed Start Date	<u>e:</u> 10/1 /202	21								
21 72219021-Cu	t 20.2 4	2250 - Pine, Oak	Sawtimber Medium	89	51-80	Harvest	Overstory Removal	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	No
Prescription Final I Specs:	narvest all tre	ees greater than 4	l inches in di	amete	r. Follow s	standard retenti	on guidelines. Add	oak wilt spec.		
Next Step Monitor	oring, Natura	l Regen (Re-Inve	ntory)							
Acceptable natura Regen:	Illy regenera	ted stand of mixed	d deciduous	with pi	ne meetin	g minimum sto	ocking levels.			
Other Comment:										
Site Condition										
Proposed Start Date	<u>e:</u> 10/1 /202	21								
23 72219023-Cu	179	42290 - Natural	Sawtimber	69	51-80	Harvest	Clearcut	4211 - Planted	Even-Aged	Nο

23 72219023-Cut 17.9 42290 - Natural Sawtimber 69 51-80 Harvest Clearcut 4211 - Planted Even-Aged No Mixed Pine Medium Red Pine <u>Prescription</u> Final harvest all trees 2 inches and greater in DBH. Follow standard retention guidelines. Add gas line spec.

Specs:

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Pesticide, Skidder - Release; Planting, Initial Plant; Treatments: Planting, Replant; Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr)

Acceptable Fully stocked red pine plantation.

Regen:

<u>Other</u> access will need to come from the north through stand 16

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Grayling Mgt. Unit Report 3 -- Treatments

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Compartment: 219 Year of Entry: 2022

Red Pine

Retention

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
24	72219024-Cut	13.3	42290 - Natural	Sawtimbe	er 68	111-	Harvest	Clearcut with	42110 - Planted	Even-Aged	No

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

Well

Specs:

S

Next Step SitePrep, Roller Chopping; SitePrep, Trenching; Pesticide, Skidder - Site Prep; Planting, Initial Plant; Pesticide, Skidder - Release;

140

Treatments: Monitoring, Artificial Regen(1yr); Monitoring, Artificial Regen(3yr); Planting, Replant

Mixed Pine

Acceptable Fully stocked red pine plantation.

Regen:

Other Access/Haul route will need to come from North.

Comment:

Site Condition

Proposed Start Date: 10/1 /2021

Total Treatment Acreage Proposed: 116.7

**Grayling Mgt. Unit** 

Colton Behrmann : Examiner

Compartment: 219
Year of Entry: 2022

#### **Availability for Management** Total Acres Acres Avail Acres **Dominant Site Conditions** With Condition Not Available 2G Acres Available 1A 3J Aspen Bare/Sparsely Vegetated Jack Pine Lowland Aspen/Balsam Poplar Lowland Conifers Lowland Shrub Mixed Upland Deciduous **Natural Mixed Pines Red Pine Upland Mixed Forest Upland Shrub** Urban Total Forested Acres 10% 90% Relative Percent

<sup>\*</sup>Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	12	Unspecified	Unspecified	Unspecified	Unspecified
	omments: pen grown aspen	with tag alder very common t	hroughout	the stand.			
2	Unavailable	1A: Federal/State/Local Law	7	Unspecified	Unspecified	Unspecified	Unspecified
	omments: enhauer road (acc	ess rd) is a restricted road.					

# Report 4 – Site Conditions

Compartment: 219

Grayling Mgt. Unit

Colton Behrmann: Examiner Year of Entry: 2022

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Lowland poor qualit	y aspen stand with tag alder co	ommon in	the understory.			
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	13	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						_

Mgt. Unit

Compartment: #Type!
Year of Entry:



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

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Grayling Mgt. Unit Compartment: 219
Year of Entry 2022



# 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.

Conservation 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 oxygen conditions stocked trout populations and those of other coldwater fish spective year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	ies (e.g., slimy sculpin) to persist from ese conditions due to substantial
SCA	Research and Military Areas	These areas provide facilities and lands specifically dedicated for include the 5,847 acre Forest Fire Experiment Station, the 12,00 Area, the Beaver Islands Archipelago Wildlife Research Area (the High and Hog Islands, all state owned land on Beaver, South For Wildlife Research Area, the 3,000 acre Hunt Creek Fisheries Research, and over 144,000 acres of Military Lands.	00 acre Houghton Lake Wildlife Research nat includes most of Garden Island, all of ox and North Fox Islands), the Cusino
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, diversity of plants and wildlife. Riparian ects on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from spapproved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 1 and Vegetative Buffers for each Natural River see the table loca folder.	s Zoning District is a 400 foot buffer for 00 feet. To view specific Zoning Districts



Stand	d Level 4 Cover Type  42120 - Planted Jack Pine		Size De	nsity	Acres	Stand Age	BA Range	Managed S	Site	General Comments	
1	42120 - Pla	nted Jack F	Pine	Sapling	y Well	38.3	25	Immature	N/A		Panted jack pine stand with mixed deciduous present throughout the
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	s Density	Avg. Height	Size	stand, most notably oak. Typical thick jack pine planting. Growing well, with heavy wildlife use. Some H20 influences on the northern and eastern
	Red Maple	5	Sapling	2		Che	rry (spp.)	Low	5 - 10 feet	Sapling	
	Quaking Aspen	4	Sapling	2							•
١	Northern Pin Oak	6	Sapling	2							
	Jack Pine	82	Sapling	3	25						
	White Pine	3	Pole/Log	8							
2	42120 - Pla	nted Jack F	Pine	Sapling	y Well	14.7	25	Immature	N/A		Typical thick young jack pine plantation. Sporadic red and white pine
	Canopy Species	% Cover	Size Class	DBH	Age						canopy trees are throughout the stand. Eastern end of stand is less of a plantation look and more of a natural growth, still very thick. Heavy use
	Red Maple	10	Sapling/Pole	3							from wildlife.
	Paper Birch	1	Sapling	3							
	Quaking Aspen	3	Sapling	2							Jack pine plantation growing well with oak, red maple and occasional white pine present. overall stand is in good shape.
١	Northern Pin Oak	5	Sapling	2							write pine present. Overall stand is in good shape.
	White Pine	5	Sapling	2							
	Jack Pine	74	Sapling	2	25						
	Red Pine	1	Log	12							
	White Pine	1	Log	12							
3	42220 - Nat	ural Jack P	'ine F	Poletimb	er Wel	l 24.7	64		N/A		jp stand w/ oak present-heavier component in southern portions of stand.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	very few rp w/in stand. hawthorn dense in places of understory.
1	Northern Pin Oak	11	Pole/Log	8		Hawth	norn (spp.)	Medium	5 - 10 feet	Tall Shruk	
	Red Pine	2	Pole	8		Oa	ık (spp.)	Medium	5 - 10 feet	Sapling	
	Jack Pine	87	Pole/Sap/Log	g 8	64						
4	320 - Up	oland Shrub		Nonsto	cked	13.6	0 (	Unspecified	42111 - Planted Mixed Decid		Jack pine regen has come back in thick patches where there is no red pine canopy. Oak regen is moderate, but noted as low due to heavy browse. Aspen regen is in pockets, and mainly along the eastern edge
						Sub-Car	nopy Species	s Density	Avg. Height	Size	near the trail.
						Re	ed Pine	Trace	< 5 feet	Sapling	
						Ja	ck Pine	High	5 - 10 feet	Sapling	New stand added. red pine stand, all jack pine, aspen, oak and red
							d Maple	Medium	5 - 10 feet	Sapling	maple were removed last year of entry, red pine left. low basal area, good regen of red maple, some oak. pockets of aspen regen. this is a new
							ing Aspen	Low	5 - 10 feet	Sapling	stand, originally part of stand 7, north of snowmobile trail. red pine cored
							ern Pin Oak	Low	5 - 10 feet	Sapling	to be 66 years of age, regen 2 years old from cutting record.
						Che	rry (spp.)	Low	5 - 10 feet	Sapling	



Stan	d Level 4 Co	over Type	s	Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments
5	42260 - Natural Pir	ne, Mixed D	Deciduous Po	oletimb	er Well	13.2	62	81-110	N/A		Mixed stand of jack pine, oak, red maple and some large red and white
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	pine. Oak and red maple are pole sized with occasional log sized trees. More deciduous can be found in the southern portion of the stand. There
	Red Maple	15	Pole/Log	8		Wh	ite Pine	Low	10 - 20 feet	Sapling	is a drainage that runs N/S through the stand.
	Paper Birch	2	Pole	6		Northe	rn Pin Oak	Medium	Variable	Sapling	
	Quaking Aspen	3	Pole/Sapling	6		Hawth	orn (spp.)	Medium	5 - 10 feet	Tall Shrub	
	Northern Pin Oak	10	Sapling/Pole	4							
	White Pine	15	Pole/Sap/Log	8							
	Red Pine	18	Log/Pole	10							
	Jack Pine	37	Pole/Log	8	62						
6	790 - Other Bare/	Sparsely V	egetated	Nonsto	cked	1.9			No		m-93 and ROW on west side of road.
7	42220 - Nati	ural Jack P	Pine Po	oletimb	er Well	17.2	25	Immature	N/A		Stand was cut the same time as adjacent stand 2 (western side stand).
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	No planting occurred, and relied on natural regeneration. Overall the stand is filling in well. White pine, jack pine and red maple pole/log trees
	Red Maple	10	Sapling/Pole	3		Chei	ry (spp.)	Medium	5 - 10 feet	Sapling	are scattered. jp plantation growing well with oak, rm and occasional
	Paper Birch	2	Sapling	3							wp present. overall stand is in good shape.
	Quaking Aspen	5	Sapling	2							
	Northern Pin Oak	8	Sapling	2							
	White Pine	5	Sapling	2							
	Jack Pine	70	Pole/Sapling	5	25						
8	121 -	Airport		Nonsto	cked	38.6			No		edge call, airport
9	4191 - Mixed Upla Co	and Decidu	ous with Po	oletimb	er Well	7.3	42	81-110	N/A		New stand. Was part of Stand 5(stand on north side). Mixed deciduous stand with jack pine. More pole sized oak, maple and
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	aspen found in this stand. Will need to access stand from the North, through Stand 5 when ready for harvest. Gradual transition into Stand 11
	Red Maple	25	Pole/Log	8		Wh	ite Pine	Low	10 - 20 feet	Sapling	to the East, where more jack pine and red pine begin again.
	Paper Birch	2	Pole	6		Northe	rn Pin Oak	Medium	Variable	Sapling	
	Quaking Aspen	10	Pole/Sapling	6		Hawth	orn (spp.)	Medium	5 - 10 feet	Tall Shrub	
	Northern Pin Oak	25	Sapling/Pole	4	42	Wh	ite Oak	Low	5 - 10 feet	Sapling	
	White Pine	10	Pole/Sap/Log	8		Chei	ry (spp.)	Low	5 - 10 feet	Sapling	
	Red Pine	8	Log/Pole	10							
			-								

rt 7 – Stands Compartment: 219
Year of Entry: 2022

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Stand	Level 4 Co	over Type	s	ize Den	sity	Acres Stand Age	BA Range	Managed S	Site	General Comments		
10	42220 - Nat	ural Jack P	Pine Po	oletimbe	r Well	14.7 62	111-140	N/A		Jack pine stand w/ some red pine present. Most red pine and red maple		
Can	nopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Speci	es Density	Avg. Height	Size	can be found in the western half of the stand. Moderate oak regen, but is also getting browsed heavily. Jack pine growing fairly well, declining in		
Re	ed Maple	5	Pole/Log	9		White Pine	Low	5 - 10 feet	Sapling	spots.		
North	nern Pin Oak	2	Log	17		Oak (spp.)	Low	5 - 10 feet	Sapling			
R	Red Pine	12	Log	13		Cherry (spp.)	Low	5 - 10 feet	Sapling			
J٤	ack Pine	75	Pole/Log	9	62	Beech	Trace	5 - 10 feet	Sapling			
W	/hite Pine	5	Pole/Log	8		White Oak	Trace	5 - 10 feet	Sapling			
Pa	aper Birch	1	Log	10		Red Maple	Medium	>20 feet	Sapling			
11	42210 - Nat	tural Red P	ine Sa	awtimbe	r Well	6.4 70	141-170	N/A		Red pine stand with some jack pine and white pine mixed in. Oak and		
Car	nopy Species	% Cover	Size Class	DBH .	Age	Sub-Canopy Speci	es Density	Avg. Height	Size	aspen poles are filling in gaps. There is a drainage that runs N/S through the stand filled with tag alder.		
Re	ed Maple	2	Pole	8		Northern Pin Oak	Medium	>20 feet	Sapling	the stand mile with tag alder.		
W	/hite Pine	8	Log	12		White Pine	Medium	Variable	Sapling			
R	Red Pine	79	Log/Pole/XLog	12	70	Red Maple	Low	>20 feet	Sapling			
Já	ack Pine	5	Pole/Sap/Log	8		White Oak	Low	5 - 10 feet	Sapling			
Qua	king Aspen	3	Log	12		Cherry (spp.)	Low	5 - 10 feet	Sapling			
North	nern Pin Oak	3	Pole	8		Tag Alder	Medium	5 - 10 feet	Tall Shrub			
12	42290 - Natu	ıral Mixed F	Pine Sa	awtimbe	r Well	14.7 66	81-110	N/A		mixed pine stand with red maple in low numbers. White, red and jack		
						14.7	01 110	11/7		pine are present with jack pine more prevalent in western/southern		
Can	nopy Species		Size Class	DBH		Sub-Canopy Speci		Avg. Height	Size	pine are present with jack pine more prevalent in western/southern		
	nopy Species ed Maple								Size Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125		
Re		% Cover	Size Class	DBH .		Sub-Canopy Speci	es Density	Avg. Height		pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running		
Re Pa	ed Maple	% Cover	Size Class Log/Pole	<b>DBH</b> 12		Sub-Canopy Speci Red Maple	Density  Medium	Avg. Height 10 - 20 feet	Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running		
Re Pa Qual	ed Maple aper Birch	% Cover 8 3	Size Class Log/Pole Pole/Log	12 8		Sub-Canopy Speci Red Maple White Pine	Medium Medium	Avg. Height 10 - 20 feet >20 feet	Sapling Pole	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running		
Re Pa Qual North	ed Maple aper Birch aking Aspen	% Cover 8 3 2	Size Class Log/Pole Pole/Log Pole	12 8 6 8 14		Sub-Canopy Speci Red Maple White Pine Alder	Medium Medium Low Low	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet	Sapling Pole Tall Shrub	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running		
Re Pa Qual North W	ed Maple aper Birch aking Aspen nern Pin Oak	% Cover 8 3 2 2 2	Size Class Log/Pole Pole/Log Pole Pole/Log	DBH 2 12 8 6 8 14		Sub-Canopy Speci Red Maple White Pine Alder Oak (spp.)	Medium Medium Low Low	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet	Sapling Pole Tall Shrub Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running		
Re Pa Qual North W	ed Maple aper Birch aking Aspen nern Pin Oak //hite Pine	% Cover 8 3 2 2 2 35	Size Class Log/Pole Pole/Log Pole Pole/Log Log/XLog	12 8 6 8 14	Age	Sub-Canopy Speci Red Maple White Pine Alder Oak (spp.) Northern Pin Oak	Medium Medium Low Low Low	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running		
Re Pa Qual North W R	ed Maple aper Birch aking Aspen nern Pin Oak /hite Pine Red Pine ack Pine	% Cover      8     3     2     2     35     35     15	Size Class Log/Pole Pole/Log Pole Pole/Log Log/XLog Log/Pole/XLog Pole/Log	DBH 12 8 6 8 14 15	<b>Age</b> 66	Sub-Canopy Speci Red Maple White Pine Alder Oak (spp.) Northern Pin Oak	Medium Medium Low Low Low	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains		
Re Pa Qual North W R Ja	ed Maple aper Birch aking Aspen nern Pin Oak /hite Pine Red Pine ack Pine	% Cover      8     3     2     2     35     35     15  and Decidu	Size Class Log/Pole Pole/Log Pole Pole/Log Log/XLog Log/Pole/XLog Pole/Log	DBH 4 8 6 8 14 15 8	Age 66	Sub-Canopy Speci Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech	Medium Medium Low Low Low Trace	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains more of the red maple, oak and paper birch. Overall a pole sized stand		
Respectively. Parameters Respectively. Parameters Respectively. Respecti	ed Maple aper Birch aking Aspen nern Pin Oak //hite Pine Red Pine ack Pine 191 - Mixed Upla	% Cover      8     3     2     2     35     35     15  and Decidu	Size Class  Log/Pole  Pole/Log  Pole/Log  Log/XLog  Log/Pole/XLog  Pole/Log  ous with  Pole/Log	DBH	Age 66	Sub-Canopy Speci Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech	Medium Medium Low Low Low Trace	Avg. Height  10 - 20 feet  >20 feet  5 - 10 feet  10 - 20 feet  5 - 10 feet  5 - 10 feet  N/A	Sapling Pole Tall Shrub Sapling Sapling Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains		
Respectively. Paragraphic Respectively. Paragraphic Respectively. Respectively. Paragraphic Respectively. Respectively. Paragraphic Respectively. Respectively. Paragraphic Respectively. Respectively. Respectively. Paragraphic Respectively.	ed Maple aper Birch aking Aspen nern Pin Oak /hite Pine Red Pine ack Pine 191 - Mixed Upla Co	% Cover      8     3     2     2     35     35     15  and Deciduonifer  % Cover	Size Class  Log/Pole  Pole/Log  Pole/Log  Log/XLog  Log/Pole/XLog  Pole/Log  Size Class	DBH / 12   8   6   8   14   15   8   8   Oletimber	Age 66	Sub-Canopy Special Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech  3.8 45  Sub-Canopy Special	Medium Medium Low Low Low Trace  51-80  Medium Density	Avg. Height  10 - 20 feet  >20 feet  5 - 10 feet  10 - 20 feet  5 - 10 feet  5 - 10 feet  N/A  Avg. Height	Sapling Pole Tall Shrub Sapling Sapling Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains more of the red maple, oak and paper birch. Overall a pole sized stand right now with some red pine canopy trees scattered throughout.		
Re Pa Qual North W R Ja 41 Can R Qual	ed Maple aper Birch aking Aspen nern Pin Oak /hite Pine Red Pine ack Pine 191 - Mixed Upla Co nopy Species Red Pine	% Cover      8     3     2     2     35     35     15  and Deciduonifer  % Cover     3	Size Class  Log/Pole  Pole/Log  Pole/Log  Log/XLog  Log/Pole/Log  Pole/Log  Size Class  Log	DBH / 12   8   6   8   14   15   8   Dletimber   DBH / 15   15	Age 66	Sub-Canopy Special Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech  3.8 45  Sub-Canopy Special White Pine	Medium Medium Low Low Low Trace  51-80  Mes Density Low	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 7 - 10 feet N/A Avg. Height 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling Sapling Sapling Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains more of the red maple, oak and paper birch. Overall a pole sized stand right now with some red pine canopy trees scattered throughout.		
Re Pa Qual North W R Ja 113 41 Can R Qual W	ed Maple aper Birch aking Aspen hern Pin Oak /hite Pine Red Pine ack Pine 191 - Mixed Upla Co nopy Species Red Pine aking Aspen	% Cover      8     3     2     2     35     35     15  and Deciduonifer  % Cover     3     2	Size Class  Log/Pole  Pole/Log  Pole/Log  Log/XLog  Log/Pole/XLog  Pole/Log  ous with  Pole  Size Class  Log  Sapling/Pole	DBH / 12   8   6   8   14   15   8   8   15   4   15   4   15   4   15   4   15   4   15   4   15   4   15   4   15   4   15   16   16   16   16   16   16   16	Age 66	Sub-Canopy Special Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech  3.8 45  Sub-Canopy Special White Pine Alder	Medium Medium Low Low Low Trace  51-80  Medium Low Medium Low Medium Medium	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet  N/A  Avg. Height 5 - 10 feet 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling Sapling Sapling Sapling Tall Shrub	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains more of the red maple, oak and paper birch. Overall a pole sized stand right now with some red pine canopy trees scattered throughout.		
Re Pa Qual North W R Ja Ta	ed Maple aper Birch aking Aspen nern Pin Oak /hite Pine Red Pine ack Pine 191 - Mixed Upla Co nopy Species Red Pine aking Aspen /hite Pine	% Cover      8     3     2     2     35     35     15  and Deciduonifer  % Cover     3     2     2	Size Class  Log/Pole  Pole/Log  Pole/Log  Log/XLog  Log/Pole/XLog  Pole/Log  ous with  Size Class  Log  Sapling/Pole  Pole/Log	DBH / 12   8   6   8   14   15   8   8   15   4   9	Age 66	Sub-Canopy Special Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech  3.8 45  Sub-Canopy Special White Pine Alder White Oak	Medium Medium Low Low Low Trace  51-80  Medium Trace	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet  N/A  Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains more of the red maple, oak and paper birch. Overall a pole sized stand right now with some red pine canopy trees scattered throughout.		
Ree Pa Qual North W R Ja Pa	ed Maple aper Birch aking Aspen nern Pin Oak //hite Pine Red Pine ack Pine  191 - Mixed Upla Co nopy Species Red Pine akking Aspen //hite Pine ack Pine	% Cover      8     3     2     2     35     35     15  and Deciduonifer  % Cover     3     2     2     33	Size Class  Log/Pole  Pole/Log  Pole/Log  Log/XLog  Log/Pole/XLog  Pole/Log  ous with  Size Class  Log  Sapling/Pole  Pole/Log  Sapling/Pole	DBH , 12 8 6 8 14 15 8 Dletimber 15 4 9 3	66 r Well	Sub-Canopy Special Red Maple White Pine Alder Oak (spp.) Northern Pin Oak Beech  3.8 45  Sub-Canopy Special White Pine Alder White Oak	Medium Medium Low Low Low Trace  51-80  Medium Trace	Avg. Height 10 - 20 feet >20 feet 5 - 10 feet 10 - 20 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet  N/A  Avg. Height 5 - 10 feet 5 - 10 feet 5 - 10 feet 5 - 10 feet	Sapling Pole Tall Shrub Sapling Sapling Sapling Size Sapling Tall Shrub Sapling	pine are present with jack pine more prevalent in western/southern portions of stand. Red and white pine are higher density and some are quite large (24"+) in eastern areas of stand. Large red pine cored at 125 y.o. There is a narrow drainage in the southern end of stand running East/West.  Very mixed stand of deciduous and jack pine. Jack pine is more prevelant in the northern portion of the stand. Southern portion contains more of the red maple, oak and paper birch. Overall a pole sized stand right now with some red pine canopy trees scattered throughout.		



Stand	d Level 4 Co	Level 4 Cover Type Size Density Acres Stand Age BA Range Managed Site		Site	General Comments					
14	42260 - Natural Pin	e, Mixed [	Deciduous I	Poletimb	er Well	15.9 47	81-110	N/A		Young mixed conifer stand with mixed deciduous filling in. Small openings can be found throughout the stand. Standard poor guality oak
	Canopy Species		Size Class		Age	Sub-Canopy Species		Avg. Height	Size	and aspen
	Red Maple	10	Pole	8		Northern Pin Oak	Medium	5 - 10 feet	Sapling	
	Quaking Aspen	15	Pole	6		Cherry (spp.)	Low	5 - 10 feet	Sapling	
	Northern Pin Oak	10	Pole	6		White Oak	Trace	10 - 20 feet	Sapling	
	White Pine	39	Log/Pole	11	47	Jack Pine	Medium	10 - 20 feet	Sapling	
	Jack Pine	25	Pole	8	42	White Pine	Low	10 - 20 feet	Sapling	
	Red Pine	1	Log	13		Quaking Aspen	Low	>20 feet	Sapling	
15	42220 - Natu	ral Jack F	Pine Po	oletimbe	Mediun	n 15.0 51	81-110	N/A		Jack pine and oak stand that is declining in vigor. Dense oak regen has
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	been established in the understory.
	Northern Pin Oak	20	Log	16		Quaking Aspen	Low	>20 feet	Sapling	mixed jp/oak stand w/ occassional aspen and wp pockets. some lowland
	White Pine	3	Pole/Log	9		White Pine	Medium	10 - 20 feet	Sapling	areas w/in stand. jp/oak are variable in terms of size. oaks are poor
	Red Pine	2	Pole	8		Oak (spp.)	High	Variable	Sapling	quality.
	Jack Pine	73	Pole/Log	9	51	White Oak	Low	5 - 10 feet	Sapling	
	Red Maple	1	Pole	6		Cherry (spp.)	Low	10 - 20 feet	Sapling	
	Balsam Fir	1	Pole	7						•
16	6112 - Low	en S	/ledium	29.2 21 I	mmature	N/A		Sale harvested in November/December of 2010. Lowland aspen stand		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species	Density	Avg. Height	Size	with a big H2O influence throughout the stand. Tag alder is most dominant in some parts. Areas of old skid trails & landing have come
	Red Maple	5	Sapling	2		Tag Alder	High	10 - 20 feet	Tall Shrub	
	Quaking Aspen	64	Sapling	2	21	<del>_</del>				pine can be found along stand 17 (to the north) & along the eastern
No	orthern White Cedar	5	Pole/Log	8						boundary.
	White Pine	5	Sapling	2						
	Choke Cherry	15	Sapling	2						
	Northern Pin Oak	5		_						
	North Citt in Oak	Э	Sapling	2						
1	White Pine	1	Sapling Log							
17		1	Log	2	er Well	11.8 113	141-170	N/A		Mixed lowland conifer stand, not overly wet but adjacent to swamps and
17	White Pine	1 wland Pine	Log	2 14 Sawtimb	er Well	11.8 113  Sub-Canopy Species		N/A Avg. Height	Size	definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some
17	White Pine 6127 - Lov	1 wland Pine	Log	2 14 Sawtimb					Size Sapling	
17	White Pine 6127 - Lov Canopy Species	1 wland Pine % Cover	Log Size Class	2 14 Sawtimb		Sub-Canopy Species	Density	Avg. Height		definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some of the red & white pine is 24"+DBH in areas. Lots of balsam fir and occasional cedar. Balsam fir regen tends to be patchy. Most cedar can be found on the southeast side of Lewiston Grade Rd. Heavy wildlife use
17	White Pine 6127 - Low Canopy Species Red Maple	vland Pine % Cover	Log  Size Class Pole/Log	2 14 Sawtimb DBH 8 g 6		Sub-Canopy Species Red Maple	<b>Density</b> Low	Avg. Height 10 - 20 feet	Sapling	definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some of the red & white pine is 24"+DBH in areas. Lots of balsam fir and occasional cedar. Balsam fir regen tends to be patchy. Most cedar can
	White Pine 6127 - Low Canopy Species Red Maple Quaking Aspen	wland Pine % Cover 15 5	Log  Size Class Pole/Log Pole/Sap/Log	2 14 Sawtimb DBH 8 g 6		Sub-Canopy Species Red Maple Balsam Fir	Density Low Medium	Avg. Height 10 - 20 feet 10 - 20 feet	Sapling Sapling	definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some of the red & white pine is 24"+DBH in areas. Lots of balsam fir and occasional cedar. Balsam fir regen tends to be patchy. Most cedar can be found on the southeast side of Lewiston Grade Rd. Heavy wildlife use
	White Pine 6127 - Low Canopy Species Red Maple Quaking Aspen Balsam Fir	wland Pine % Cover 15 5 5	Size Class Pole/Log Pole/Sap/Log Pole/Sapling	2 14 Sawtimb DBH 8 g 6 g 6 g 6		Sub-Canopy Species Red Maple Balsam Fir White Pine	Low Medium Medium	Avg. Height 10 - 20 feet 10 - 20 feet Variable	Sapling Sapling Sapling	definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some of the red & white pine is 24"+DBH in areas. Lots of balsam fir and occasional cedar. Balsam fir regen tends to be patchy. Most cedar can be found on the southeast side of Lewiston Grade Rd. Heavy wildlife use
	White Pine 6127 - Lov Canopy Species Red Maple Quaking Aspen Balsam Fir orthern White Cedar	1 wland Pine % Cover 15 5 5 5	Size Class Pole/Log Pole/Sap/Log Pole/Sapling Pole/Log	2 14 Sawtimb DBH 8 g 6 g 6 g 6	Age	Sub-Canopy Species Red Maple Balsam Fir White Pine Red Pine	Low Medium Medium Low	Avg. Height  10 - 20 feet  10 - 20 feet  Variable  10 - 20 feet	Sapling Sapling Sapling Sapling	definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some of the red & white pine is 24"+DBH in areas. Lots of balsam fir and occasional cedar. Balsam fir regen tends to be patchy. Most cedar can be found on the southeast side of Lewiston Grade Rd. Heavy wildlife use
	White Pine 6127 - Lov Canopy Species Red Maple Quaking Aspen Balsam Fir orthern White Cedar White Pine	1 wland Pine % Cover 15 5 5 5 44	Size Class Pole/Log Pole/Sap/Log Pole/Sapling Pole/Log Log/Pole/XLog	2 14 Sawtimb BH 8 9 6 9 6 9 9	Age	Sub-Canopy Species Red Maple Balsam Fir White Pine Red Pine Northern Pin Oak	Density Low Medium Medium Low Low	Avg. Height 10 - 20 feet 10 - 20 feet Variable 10 - 20 feet 10 - 20 feet	Sapling Sapling Sapling Sapling Sapling	definitely w/ h2o influence. Large white pine w/ pockets of red pine. Some of the red & white pine is 24"+DBH in areas. Lots of balsam fir and occasional cedar. Balsam fir regen tends to be patchy. Most cedar can be found on the southeast side of Lewiston Grade Rd. Heavy wildlife use

two species, accompanied by wp as well. hawthorn is thick in places.

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Stand	Level 4 C	over Type	Si	ize De	nsity	Acres	Stand Age I	BA Range	Managed S	Site	General Comments
18	6112 - Lo	wland Aspe	en Po	letimb	er Poor	11.6	66	1-50	N/A		Open grown aspen stand with some black ash and red maple. Stand is
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	lightly stocked with these above mentioned species, the remainder being a tag alder stand with thick cover provided by the alder and low growing
	Red Maple	10	Sapling/Pole	5		T	ag Alder	Full	5 - 10 feet	Tall Shrul	shrubs. Very wet.
	Quaking Aspen	70	Pole/Log	9	66	Qua	king Aspen	Low	>20 feet	Sapling	
	Black Ash	10	Sapling/Pole	4							
	Black Spruce	10	Pole	8							
19	4131 - <i>A</i>	Aspen, Oak	harvest 15-20 years provious. What is left is oak overstory with				aspen/oak stand that had aspen, cherry and red maple removed during				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	harvest 15-20 years previous. What is left is oak overstory with aspen, red maple, oak and cherry regeneration present. oak is variable sizes
	Red Maple	10	Sapling	3		Haw	thorn (spp.)	Medium	5 - 10 feet	Tall Shrul	
	Quaking Aspen	40	Sapling/Pole	3	27			,		-	-
١	Northern Pin Oak	31	Sapling	4	27						
	Jack Pine	5	Sapling	3							
	Black Cherry	5	Sapling	3							
	Red Pine	3	Log	12							
	White Oak	5	Sapling	3							
١	Northern Pin Oak	1	Log	14							
20	42121 - Planted Dec	iduous	, Mixed S	Sapling DBH	Well <b>Age</b>	are coming back naturally to an upland mixed conifer/deci mixed regen. As stand matures oak will become more pre		Majority of stand had been planted to jack pine. Other portions of stand are coming back naturally to an upland mixed conifer/deciduous. Very mixed regen. As stand matures oak will become more prevalent. Red pine is located along the eastern boundary adjacent to Stand 21.			
	Red Maple	8	Sapling	4							pine is located along the eastern boundary adjacent to Stand 21.
	Quaking Aspen	5	Sapling/Pole	4							jp plantation w/ aspe, rm and oak regenerating heavily in places as well.
١	Northern Pin Oak	11	Sapling	3							some areas of stand were not planted because of natural regen, these areas may be separated next yoe as new stands. this is most notable in
	Red Pine	2	Log	14							northern parts of stand. oak overstory is also more dense in northern
	Jack Pine	65	Sapling	3	29						portions-approx 5-10BA. overstory rp and oak were left w/in stand
	Black Cherry	3	Sapling	2							boundary.
	White Pine	1	Log	12							
١	Northern Pin Oak	2	Log	15							
	White Oak	1	Sapling	3							
21	42250 -	Pine, Oak	Saw	timber	Mediun	n 20.2	89	51-80	N/A		Mixed pine & oak stand. BA ranges from 30-50 in areas, to 60-80 in other
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas. Most of the oak in the overstory are either dead or declining.  Canopy trees are log sized with a dense understory from previous
١	Northern Pin Oak	30	Log/Pole	12		Re	ed Maple	Medium	10 - 20 feet	Sapling	harvest. Aspen and red maple are most prevalent, with oak filling in.
	White Pine	35	Log/XLog	17	89	Qua	king Aspen	High	>20 feet	Sapling	mixed eak/pine stand with varying deminence by re-up, and cake all
	Red Pine	35	Log/Pole/XLog	14	89	W	hite Pine	Medium	10 - 20 feet	Sapling	mixed oak/pine stand with varying dominance by rp, wp and oaks. all aspen and rm were removed last harvest so understory is thick w/ these
											appearant mi were removed last harvest so understory is thick w/ these

Medium

Low

Low

Trace

10 - 20 feet

5 - 10 feet

5 - 10 feet

5 - 10 feet

Sapling

Tall Shrub

Sapling

Sapling

Northern Pin Oak

Hawthorn (spp.)

Red Pine

Jack Pine



Stand	d Level 4 C	over Type	s	ize De	ensity	Acres	Stand Age B	A Range	Managed 9	Site	General Comments
22	4133 - Aspe	en, Mixed F	Pine Pole	timbe	r Medium	6.3	61	51-80	N/A		Lowland aspen stand with a drainage running through. Variable sized
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	canopy and understory. Continued blowdowns are opening up gaps for regen. Most pine can be found along the western boundary.
	Paper Birch	2	Pole	6		Та	g Alder	High	5 - 10 feet	Tall Shrub	regen. West pine can be found along the western boundary.
	Quaking Aspen	63	Pole/Log	9	61	Northe	rn Pin Oak	Low	10 - 20 feet	Sapling	swamp aspen stand with wp/rp inclusion around perimeter. tamarack in
	Northern Pin Oak	5	Pole	8		Bla	ick Ash	Trace	>20 feet	Sapling	pockets, scattered birch and oak. aspen variable in terms of quality and stocking.
	Tamarack	5	Pole/Log	8		Quaki	ing Aspen	Medium	>20 feet	Pole	stooking.
	White Pine	15	Log/Pole/XLog	14							•
	Red Pine	5	Log	14							
	Jack Pine	4	Pole/Sap/Log	8							
No	orthern White Cedar	1	Log	10							
23	42290 - Natu	ural Mixed	Pine Saw	timbe	r Medium	17.9	69	51-80	N/A		Stand harvested in November/December 2010. Looks like red & white
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	nopy Species	Density	Avg. Height	Size	pine was left, as well as green-marked trees. Most oak left is dead or declining in the overstory. White pine responded well to the harvest.
	White Pine	40	Pole	7	21	Red	d Maple	Medium	10 - 20 feet	Sapling	Stand increases in basal area as you head south. Tough to get an
	Red Pine	45	Log	15	69	Bals	sam Fir	Trace	10 - 20 feet	Sapling	accurate basal area with varying densities. Averaged 20-40 BA in the
I	Northern Pin Oak	15	Log	14		Wh	ite Pine	Medium	5 - 10 feet	Sapling	northern part of stand, and 90-110 BA in the southern half of stand. 50-75% canopy cover currently, expecting that to increase to 75-100% as
						Northe	rn Pin Oak	Low	10 - 20 feet	Sapling	the jack pine, oak and aspen fill in.
						Quaki	ing Aspen	Low	10 - 20 feet	Sapling	
						Jac	ck Pine	Low	5 - 10 feet	Seeding	
						Re	d Pine	Low	5 - 10 feet	Seeding	
24	24 42290 - Natural Mixed Pine Sawtimber Well						68	111-140	N/A		Dense mixed conifer stand with oak. Red pine is most dominant & varie
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	in size, but is mostly log-sized. Cored a pole sized red pine. Suppressed in the understory. Starting to see decline in jack pine and a few of the
	Quaking Aspen	5	Log	12		Red	d Maple	Medium	>20 feet	Pole	larger diameter oak. Red maple is pole sized & filling in gaps. White oak
I	Northern Pin Oak	15	Log/Pole	12		Whi	ite Pine	High	>20 feet	Sapling	is on southern end of stand near river.
	White Pine	15	XLog/Log/Pole	18		Re	d Pine	Low	>20 feet	Sapling	xlog red pine: 102 Y.O.
	Red Pine	58	Log/XLog/Pole	17	68	Wh	ite Oak	Trace	5 - 10 feet	Sapling	Log red pine: 67 Y.O.
	Jack Pine	5 Pole/Log		9		Northe	rn Pin Oak	Low	10 - 20 feet	Sapling	Pole red pine: ~50 Y.O.
	White Oak	2	Log	16							Log oak: ~100 Y.O.
25		ne, Oak Mi			er Well	3.6	91	81-110	N/A		No access to stand. Will be recommended for disposal at compartment prereview.
	Canopy Species	% Cover	Size Class		l Age		opy Species	Density	Avg. Height	Size	prototion.
	Quaking Aspen	10	Pole/Log	8		Wh	ite Pine	Low	5 - 10 feet	Sapling	mixed stand of oak and pine, isolated with no access. stand is on upland,
I	Northern Pin Oak	42	Log/Pole	10	91	Oal	k (spp.)	Low	5 - 10 feet	Sapling	quickly sloping to river along eastern edge. *No legal access to stand, it is cut off by I-75. It is recommended it be disposed of as excess via
	White Pine	3	Pole/Log	8							auction.*
	Red Pine	15	Log/Pole	10							
1				1 -	1 1						

Jack Pine

30

Log/Pole

8



Stand	Level 4 C	Level 4 Cover Type			ensity	Acres Stand Age BA Range Managed Site			Site	General Comments	
26	6220 - Alder/willow			Nonstocked		11.7		No		Stand contains roughly 2.5 acres of lowland mixed conifer along the southern boundary of the river.  The lowland mixed conifer is on a flat and contains balsam fir, spruce,	
						Sub-Canopy Specie	s Density	Avg. Height	Size		
						Conifers	Trace		Pole	cedar, white, red pine and aspen. Heavy wildlife use.	
						White Pine	Low		Log		
						Tag Alder	Full		Tall Shrub	Stand swapped from Forested to Non-Forested. lowland alder stand w/ east branch ausable running through stand. lowland conifers present	
						Northern White Cedar	r Medium		Pole	especially in southern portions of stand. lots of wildlife use throughout.	
27	<b>27</b> 4310 - Pine			Sawtimber Well		9.8 107	81-110	N/A	N/A	Mature log size mixed pine/oak stand. Some x/log red and white pine scattered. Oak and jack pine are declining in vigor. More oak regen in the	
Ca	anopy Species	% Cover	Size Class	ze Class DBH Age		ge Sub-Canopy Species	s Density	Avg. Height	Size	eastern end of the stand. There is a pocket of aspen in the western end	
Nor	thern Pin Oak	35	Log	13	107	White Pine	Medium	>20 feet	Pole	of the stand near the survey corner. Amur Honeysuckle was found	
١	White Pine	35	Log/Pole	11		Cherry (spp.)	Low	5 - 10 feet	Tall Shrub	around the SW survey corner of the stand.	
	Red Pine	10	Log	Log 13		Oak (spp.)	Low	5 - 10 feet	Sapling	mixed oak pine stand with large rp/wp. jp is beginning to drop out, oak	
	Jack Pine		Pole	7		Red Maple	Low	>20 feet	Sapling	relatively poor-fair quality but declining in places. nice oak/wp regen in	
I	Red Maple	1	Pole	8		White Oak	Trace	10 - 20 feet	Sapling	areas.	
Qu	uaking Aspen	5	Pole/Log	8		Jack Pine	Low	10 - 20 feet	Sapling		
						Red Pine	Low	>20 feet	Pole		