

Compartment Review Presentation

Gwinn Forest Management Unit

County: Alger

Compartment 32097 Entry Year: 2027 Acreage: 2,322

Management Area: Menominee-Marguette

Stand Examiner: Matt Yeo

Legal Description:

T45N R21W Sections 23-26, 35, 36.

Identified Planning Goals:

To improve the quality and diversity of State forests and wildlife through proper habitat management, while protecting the riparian values of our wetlands and waters.

Soil and topography:

Area is mostly flat to gently rolling. There are some moraines and other glacial features. Notable are a series of steep north-south ridges that are the former riverbanks of the ancient river that drained glacial Lake Duluth. Soils included Chatham cobbley fine sandy loam, Shoepac-Trenary silt loam, Traunik gravelly fine sandy loam, Kalkaska sand, Kalkaska-Waiska complex, Charlevoix-Ensley complex, Eben very cobbley fine sandy loam, Charlevoix silt loam, and Carbondale, Lupton, Tawas, Chippany-Nahma mucks.

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

Year round residences and hunting camps. Some active farms nearby. Hiawatha National Forest is east of the basin.

Unique Natural Features:

Autrain Waterfowl Refuge and associated large opening complex, the Autrain Basin. A large spring appears, creates a short creek, then disappears back underground.

Archeological, Historical, and Cultural Features:

No archeological hits in our data base. MNFI has previous records for bald eagle, loon, grasshopper sparrow.

Special Management Designations or Considerations:

The Autrain Waterfowl Project Area of which includes this compartment.

Watershed and Fisheries Considerations:

Fisheries Concerns: Johnson Creek, a designated trout stream, flows through the northern portion of this compartment. Johnson Creek contains native Brook Trout and serves as nursery habitat for a wide variety of species from AuTrain Basin, including Smallmouth Bass, Panfish, and Walleye. A 300-foot buffer is recommended in the riparian areas of Johnson Creek that are susceptible to Aspen regeneration. Regarding the unnamed tributary south of Johnson Creek, a site visit determined that a 200-foot buffer is sufficient for this segment from stand 010, which will be susceptible to aspen regeneration post treatment. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, Riparian Management Zone is recommended to protect these areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This compartment is found within the Menominee-Marquette Management Area, on ground moraines in northern Dickinson and southern Marquette Counties. The dominant Natural Communities are mesic northern forest, poor conifer swamps, and dry mesic northern forest. Major forest cover types include Aspen, Northern Hardwoods, and Mixed Lowland Conifers. Almost every cover type and associated species can be found within the management area including several deer wintering complexes. This management area provides some of the finest grouse and woodcock hunting in the Midwest and this is a wildlife management priority that will continue. Wildlife management issues in the management area are early successional forest conditions (associated with alder, riparian zones, or forested wetlands); mast (hard and soft); habitat fragmentation; mature forest (upland deciduous, especially aspen and mixed forest with little understory); course woody debris; and deer wintering complexes. The following have been identified as featured species for the Menominee-Marquette Management Area: American Woodcock, Blackburnian Warbler, Cerulean Warbler, Goldenwinged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of medium-textured glacial till and glacial outwash sand and gravel and post-glacial alluvium. The glacial drift thickness varies between 10 and 70 feet. The Ordovician Black River Group subcrops below the glacial drift. The Black River is quarried for stone/dolomite elsewhere in the UP. A gravel pit is located to the west in Section 28 and there may be potential on the east side of the compartment. This compartment has never been leased for metallic mineral exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Good throughout the compartment although some access is blocked from Sept. 1-Nov. 10 in the waterfowl refuge area.

Survey Needs:

While there are limited corners in this compartment, additional monumentation is needed here.

Recreational Facilities and Opportunities:

This area is extremely popular for birding. Waterfowl hunting, upland bird and deer hunting is also popular as well.

Fire Protection:

This compartment has a low risk for fire.

Additional Compartment Information:

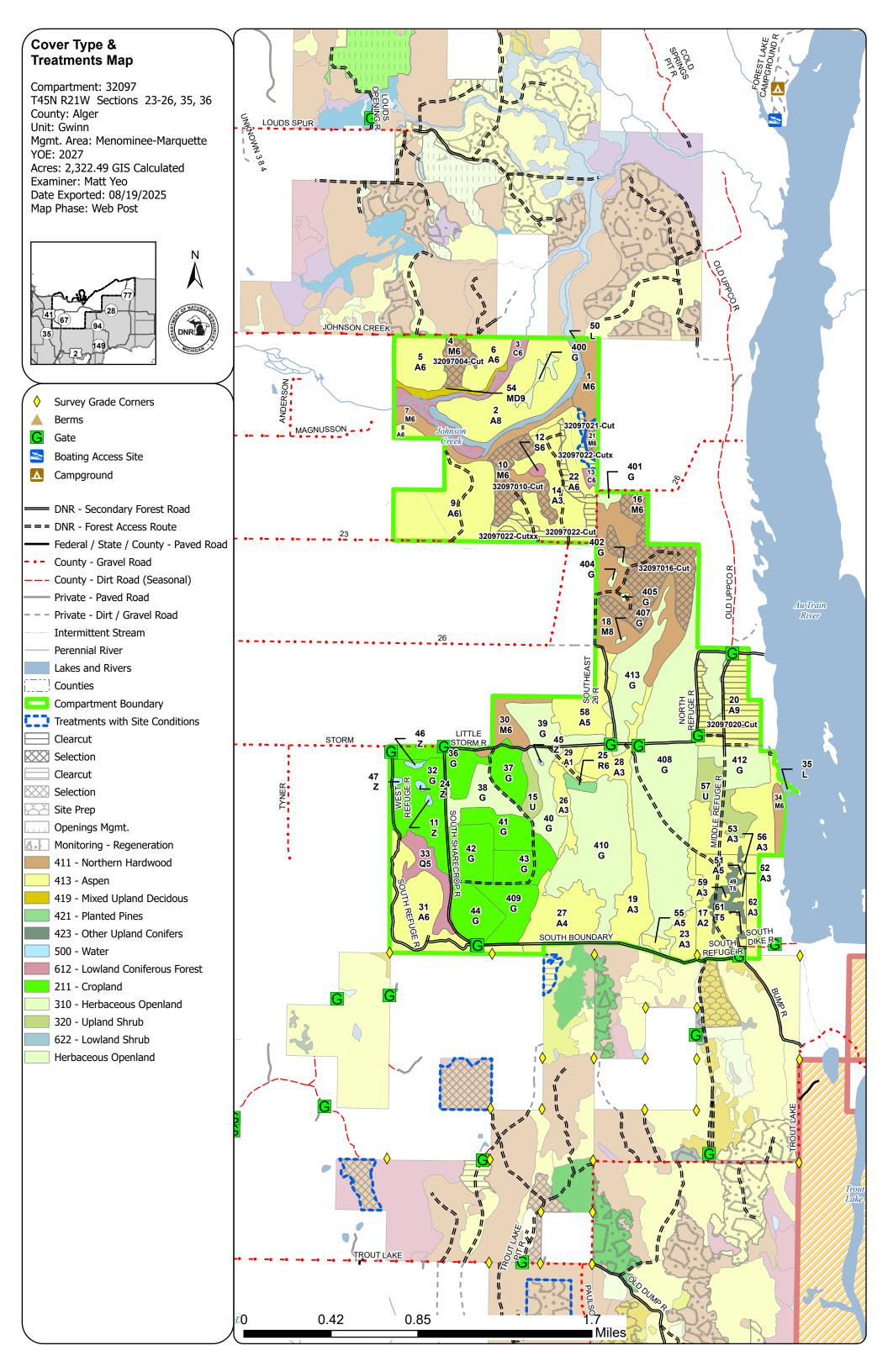
The following reports from the Inventory are attached:

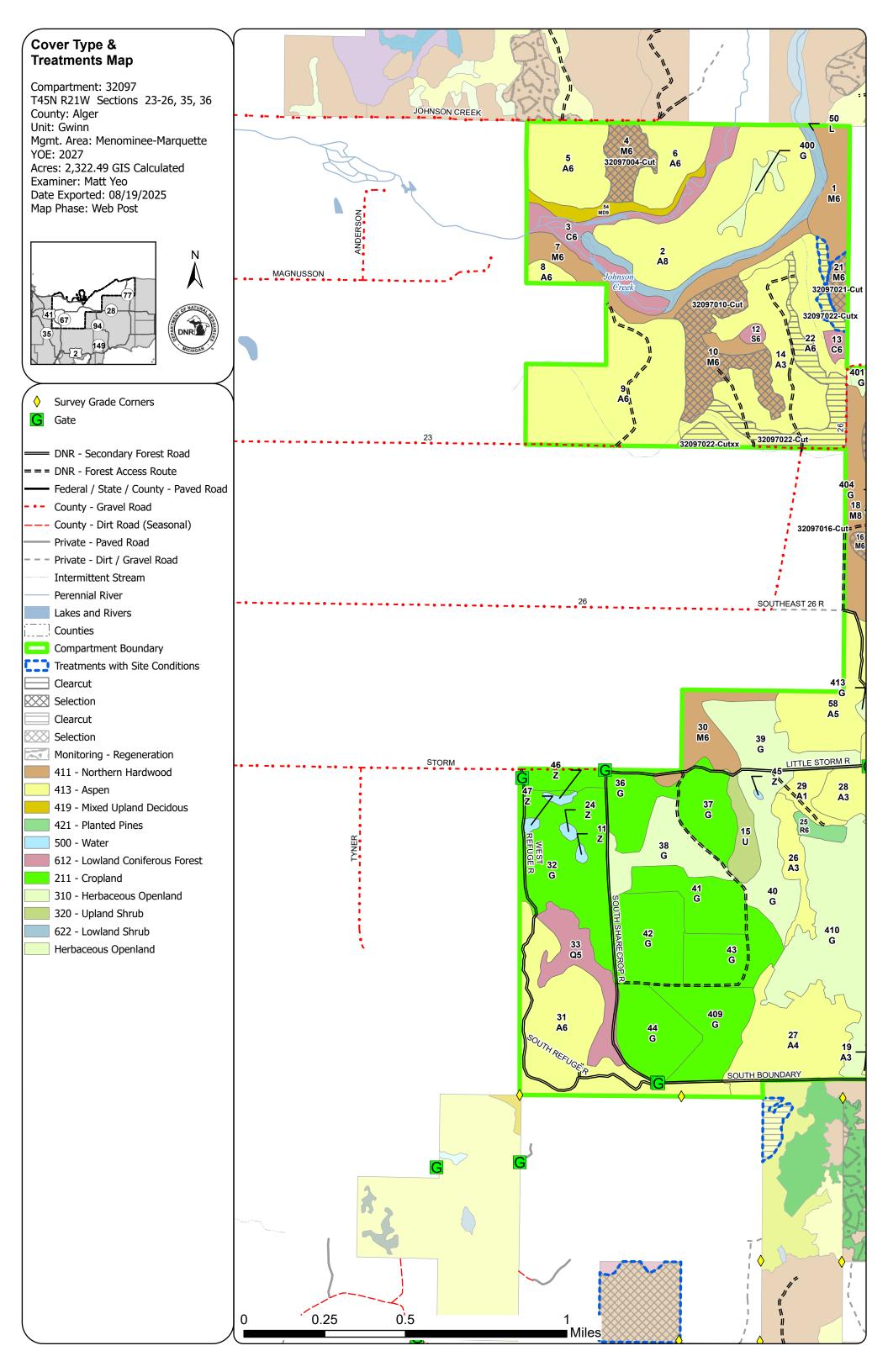
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

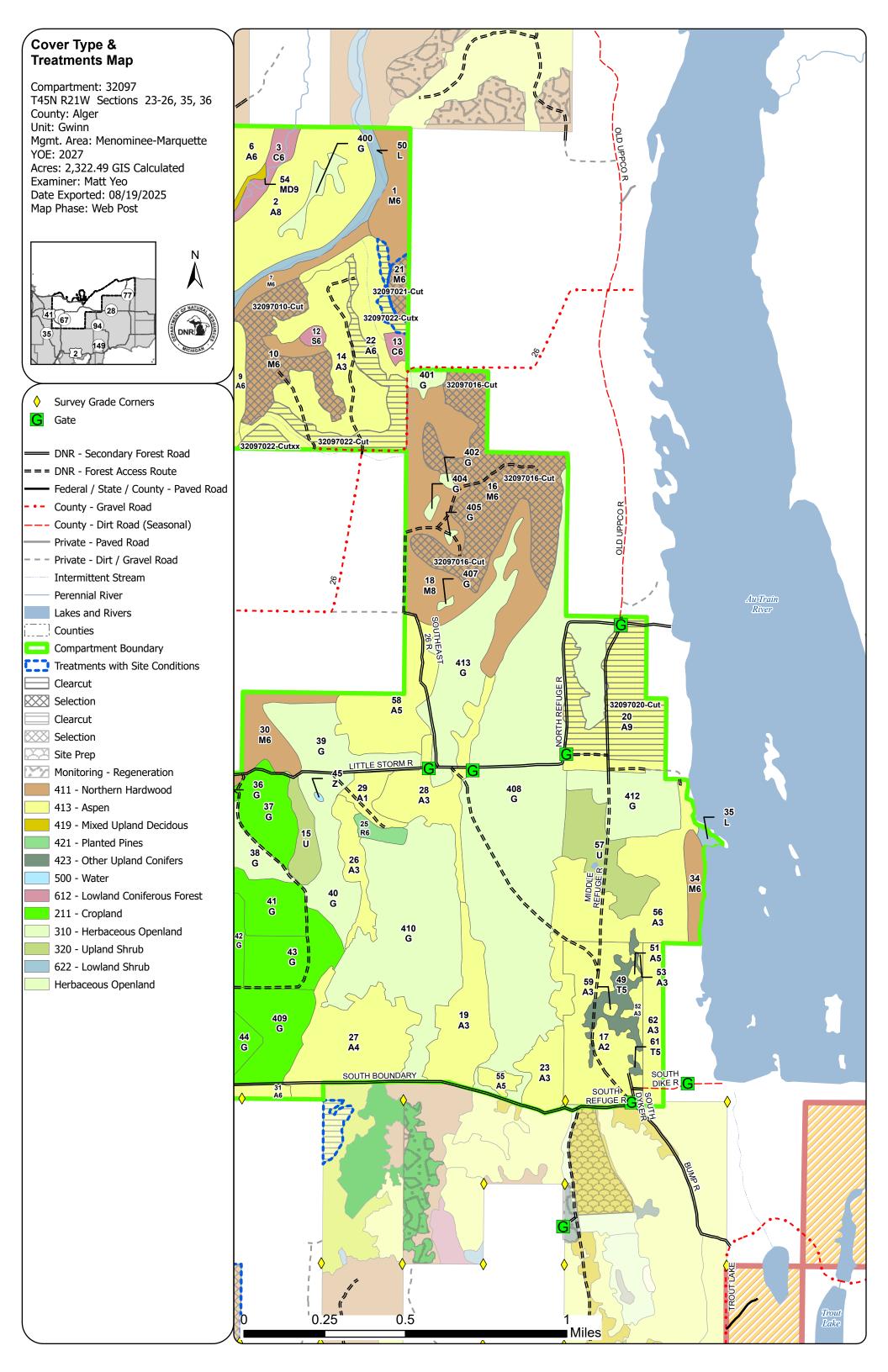
The following information is displayed, where pertinent, on the attached compartment maps:

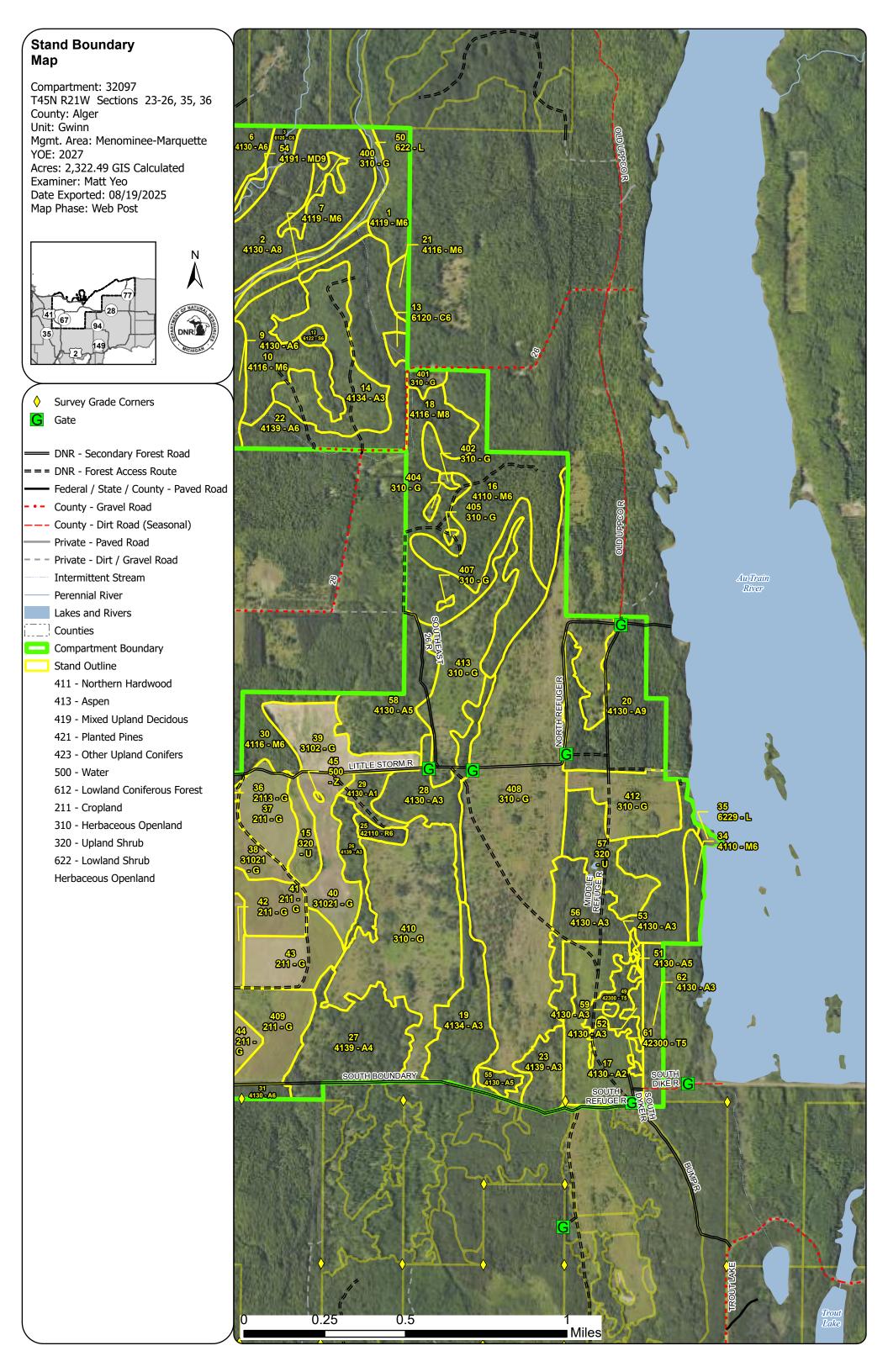
Base feature information, stand boundaries, cover types, and numbers Proposed treatments Site condition boundaries

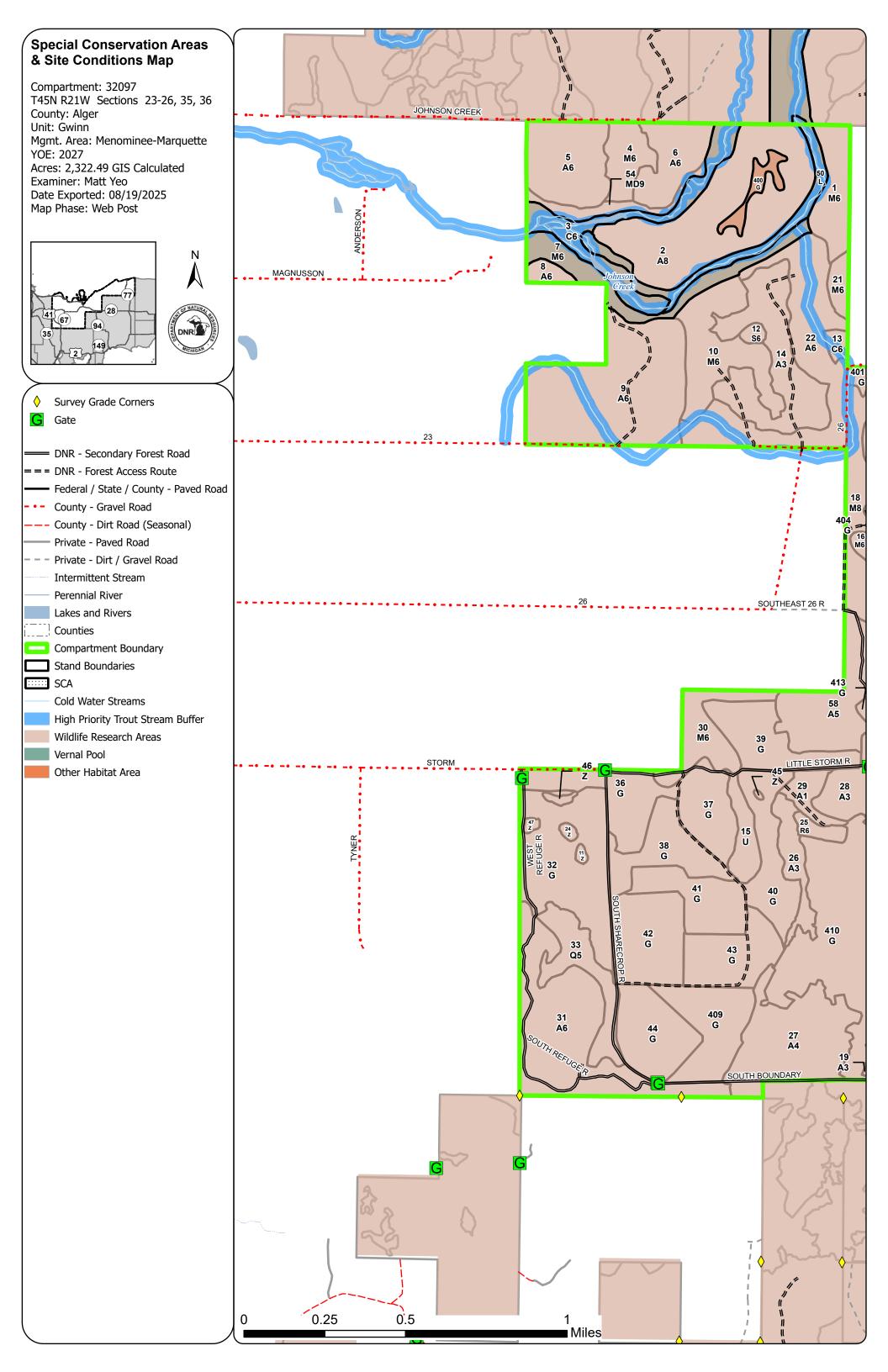
Details on the road access system

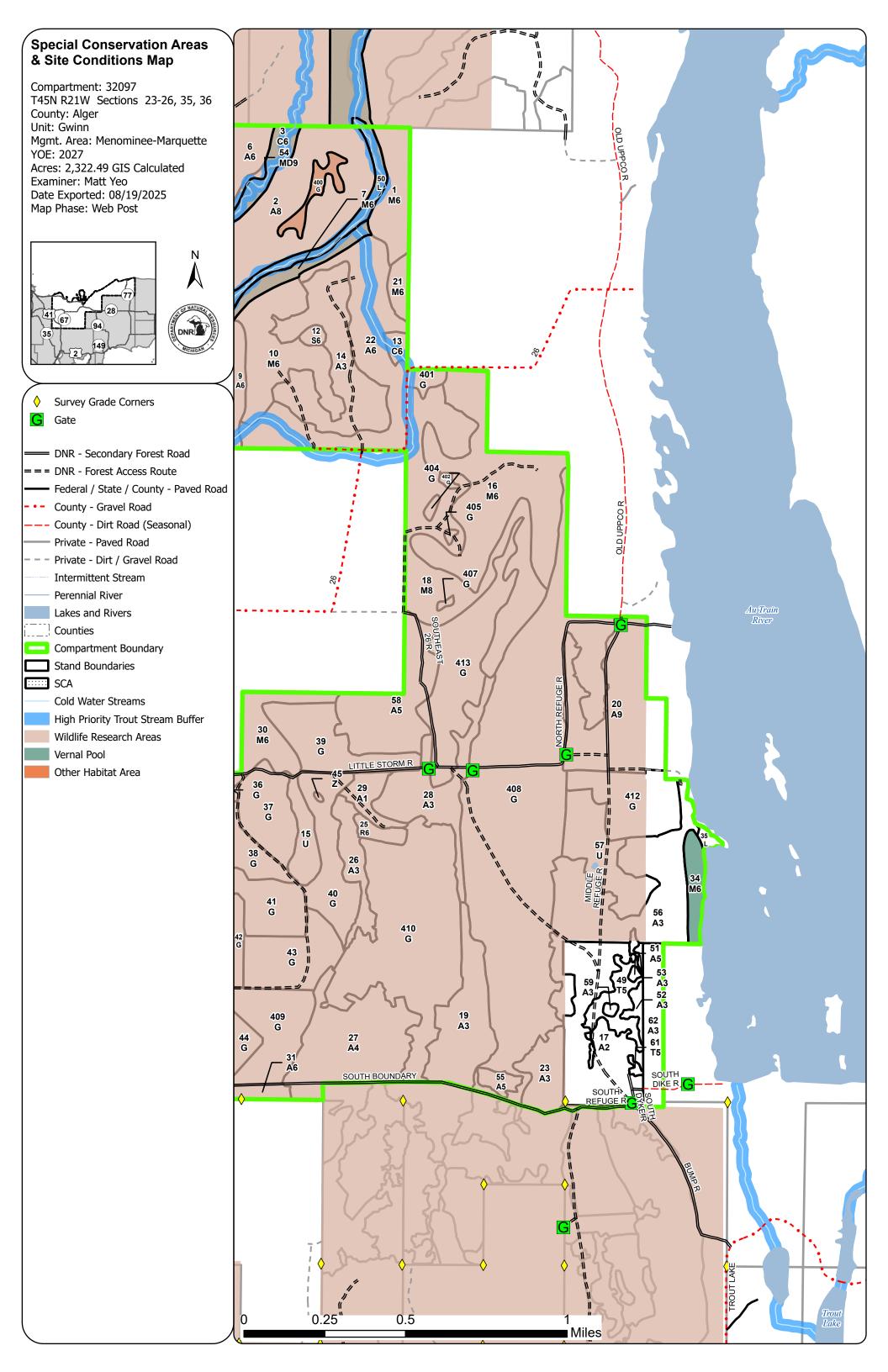












Gwinn Mgt. Unit Matt Yeo: Examiner



Age Class

	Age.	Koria C	\$ / <u>u</u>	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	a a	3 / 6	S S) } 	\$ / K	R / 6			707			\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	84 / 2/2	No.	Legis Legis
Aspen	0	228	20	27	323	101	5	71	66	0	96	0	0	0	0	0	0	0	937
Cedar	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	36	0	40
Cropland	302	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	302
Herbaceous Openland	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	568
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	28	0	0	0	0	28
Lowland Shrub	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	2
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	11
Northern Hardwood	0	0	0	0	0	25	0	0	0	0	7	0	111	0	0	0	0	199	340
Red Pine	0	0	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	5
Tamarack	0	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Upland Shrub	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Water	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Total	944	228	20	27	339	131	5	71	69	0	103	4	111	28	0	0	36	210	2323



Report 2 – Treatment Summary

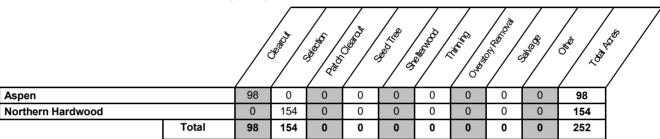
Gwinn Mgt. Unit Year of Entry: 2027

Acres of Harvest

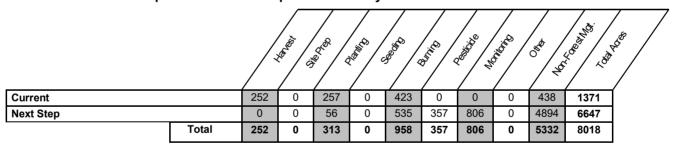
Compartment 97
Total Compartment Acres: 2,322

Commercial Harvest - 484 Harvests with Site Condition - 26 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Compartment: 32097



S									Year of Entry	y: 2027	DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
pos	ed Treatmen	ıts:									
4	32097004-Cut	17.6 4	4110 - Sugar Maple Association	6	111	81-110	Harvest	Selection	411 - Northern Hardwood	Current	

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern Hardwood

Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

32097010-Cut 188 81-110 Selection 411 - Northern Current 39.5 4116 - Mixed N. Harvest No Hardwood - Aspen Hardwood

Single tree selection, harvest stand to 60BA following the Northern Hardwood guidance and the complete marker guidelines. Release advanced Prescription hardwood regeneration where present. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fi Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable maple, basswood, spruce, fir, birch, cherry, aspen

Regen: <u>Other</u>

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

32097015-NF 13.1 320 - Upland Shrub 99 NonForestMgt Openings Mgmt. 320 - Upland Previous No Shrub Inventory

Remove woody debris and vegetation by hand/mechanical removal of brush/vegeataion from the opening to maintain the space, as well as Prescription Specs: pesticide application to be used as necessary to accomplish wildlife goals.

Next Step Burn, Opening

Treatments:

<u>Acceptable</u> Grasses and short mixed-upland shrubs.

Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

32097016-Cut 90.2 4110 - Sugar Maple 111 81-110 Harvest Selection 411 - Northern Current No Association Hardwood

Prescription Single tree selection, harvest stand to 80BA following the Northern Hardwood guidance and the complete marker guidelines. Release advanced Specs: hardwood regeneration where present. Maintain stand diversity while marking. Spec to cut all merchantable spruce, fi

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable maple, basswood, spruce, fir, birch, cherry, aspen

Regen: **Other**

Comment:

Site Condition:

S t									Year of Entry	y: 2027	DNR
a n T d	reatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
18 32	2097018.11_ Plant	92.5	4116 - Mixed N. Hardwood - Aspen	8	111	51-80	Planting	Planting (tree species)	411 - Northern Hardwood	Current	No
Prescrip Specs:	<u>otion</u> Plant m	ast produ	cing trees and shrub	s for wildlif	e						
Next Ste Treatme		ing, Other	- Specify								
Accepta Regen:	<u>able</u> Recruiti	ment of a	portion of the trees/s	shrubs plar	ited for t	he benefit	of wildlife spec	ies.			
Other Comme		to Treat	= 100%								
Site Cor	ndition: ed Start Date:	10/01/2	026								
	2097019.13_ Plant	1.6	4134 - Aspen, Spruce/Fir	3	6	Immatu re	Planting	Planting (tree species)	413 - Aspen	Planting Record	No
Prescrip Specs:		ast produ	cing trees and shrub	s for wildlif	e	10		эрсыса		record	
Next Ste Treatme		ing, Other	- Specify								
Accepta Regen:	<u>able</u> Recruiti	ment of a	portion of the trees/s	shrubs plar	ited for t	he benefit	of wildlife spec	ies.			
Other Comme		to Treat	= 100%								
Site Cor	ndition:										
	ed Start Date:										
20 32	2097020-Cut	57.5	4130 - Aspen	9	75	51-80	Harvest	Clearcut	4116 - Mixed N. Hardwood - Aspen	Planting Record	No
Prescrip Specs:			2" DBH except ceda uthwest stand edge,							ardwood comp	onent alor
Next Ste Treatme		ing, Natur	al Regen (Re-Invent	ory)							
Accepta Regen:	able Aspen,	Maple, Fi	r, Spruce								
Other Comme	ent:										
Site Cor	ndition:										
Propose	ed Start Date:	10/01/2	026								
21 32	2097021-Cut	6.7	4116 - Mixed N. Hardwood - Aspen	6	95	81-110	Harvest	Selection	411 - Northern Hardwood	Current	No
Prescrip Specs:			tion, harvest stand to eration where presen							lines. Release	advanced
Next Ste Treatme		ing, Natur	al Regen (Re-Invent	ory)							
Accepta Regen:	<u>able</u> maple,	basswood	d, spruce, fir, birch, c	herry, aspe	en						
Other Comme		into the s	tand will need a tem _l	oorary brid	ge or tin	nber mats	across a tributa	ry of Johnson Cree	k.		

Site Condition: Unknown Access Proposed Start Date: 10/01/2026



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a n T d	reatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habi Cu
22 32	2097022-Cut	29.5 4	139 - Aspen, Mixed Deciduous	6	60	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	N
Prescrip Specs:			2" DBH except ceda long immediately ad							ny species (9-	15-inch
<u>Next Ste</u> Γreatme	_	ring, Natura	al Regen (Re-Invento	ory)							
Accepta Regen:	<u>ible</u> Aspen,	fir									
Other Comme	nt:										
Site Cor	ndition:										
<u>Propose</u>	ed Start Date:	10/01/20)26								
22 32	097022-Cutx	5.74	139 - Aspen, Mixed Deciduous	6	60	51-80	Harvest	Clearcut	413 - Aspen	Planting Record	N
Prescrip Specs:			2" DBH except ceda long a tributary in the			birch, che	erry, and white pi	ne. Retention area	as site condioned o	out along John	son Cree
Next Ste Treatme		ring, Natura	al Regen (Re-Invento	ory)							
Accepta Regen:	ible Aspen,	spruce, fir,	, hardwood								
<u>Other</u> Comme		into the sta	and will have to be w	vith a temp	orary br	idge or tin	nber mats acros	s a tributary of Joh	nson Creek		
	<u></u> n <u>dition:</u> Unk	nown Acce	200								
	ed Start Date:										
				6	60	F4 00	Harvest	Clearcut	440	Diantina	
22	32097022- Cutxx	5.7 4	139 - Aspen, Mixed Deciduous	U	00	51-80	пагческ	Clearcut	413 - Aspen	Planting Record	N
Prescrip Specs:			2" DBH except ceda Create 1-2 drumminç							out along alor	ng a tribu
Next Ste Treatme	an Monitor			orv)							
. roaurit		ing, Natura	al Regen (Re-Invento	,,							
Accepta		O.	al Regen (Re-Invento	,,							
Accepta Regen: Other	ents: ble Aspen,	O.	al Regen (Re-Invento	37							
Accepta Regen: Other Comme	ents: ble Aspen, nt:	O.	al Regen (Re-Invento								
Accepta Regen: Other Comme	ents: ble Aspen, nt:	fir	Ŭ ,								
Accepta Regen: Other Comme Site Cor	ents: ble Aspen, nt: ndition:	fir 10/01/20	Ŭ ,	4	45	1-50	Planting	Planting (tree species)	413 - Aspen	Planting Record	N
Accepta Regen: Other Comme Site Cor Propose 27 32	ents: able Aspen, nt: addition: ad Start Date: 2097027.14 Plant	fir 10/01/20 51.4 4	026 139 - Aspen, Mixed	4		1-50	Planting	- ,	413 - Aspen		N
Accepta Regen: Other Comme Site Cor Propose 27 32 Prescrip Specs: Next Ste	nt: ndition: ed Start Date: 2097027.14 Plant etion Plant m	fir 10/01/20 51.4 4	026 139 - Aspen, Mixed Deciduous sing trees and shrubs	4		1-50	Planting	- ,	413 - Aspen		N
Accepta Regen: Other Comme Site Cor Propose 27 32 Prescrip Specs: Next Ste Treatme	nt: ndition: ed Start Date: 2097027.14_ Plant stion Plant ments:	fir 10/01/20 51.4 4 hast producting, Other	026 139 - Aspen, Mixed Deciduous sing trees and shrubs	4 s for wildlif	е		ŭ	species)	413 - Aspen		N
Accepta Regen: Other Comme Site Cor Propose 27 32 Prescrip Specs: Next Ste Treatme Accepta Regen: Other	nt: ndition: ed Start Date: 2097027.14_ Plant etion Plant m ep Monitor ents: ble Recruit	fir 10/01/20 51.4 4 hast producting, Other	139 - Aspen, Mixed Deciduous sing trees and shrubs - Specify portion of the trees/s	4 s for wildlif	е		ŭ	species)	413 - Aspen		N
Accepta Regen: Other Comme Site Cor Propose 27 32 Prescrip Specs: Next Ste Treatme	nt: ndition: ed Start Date: 2097027.14_ Plant stion Plant m ep_ Monitor ents: ble Recruit Percen nt:	fir 10/01/20 51.4 4 hast producting, Other ment of a production of a produc	139 - Aspen, Mixed Deciduous sing trees and shrubs - Specify portion of the trees/s	4 s for wildlif	е		ŭ	species)	413 - Aspen		N

Gwinn	Mgt.	Unit
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t: 32097	TOF NATURAL P
: 2027	DNR DNR
	E.

Report 3 -- Treatments Compartment s Year of Entry t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Density CoverType Method Objective Structure Name Range Type Age Cut d 29 32097029.15 7.1 4130 - Aspen **Immatu** Planting Planting (tree 413 - Aspen **Planting** No Record **Plant** re species) Prescription Plant mast producing trees and shrubs for wildlife Specs: Next Step Monitoring, Other - Specify **Treatments:** Acceptable Recruitment of a portion of the trees/shrubs planted for the benefit of wildlife species. Regen: Percent to Treat = 100% Other Comment: Site Condition: Proposed Start Date: 10/01/2026 32097032.19 63.0 211 - Cropland 99 NonForestMgt Openings Mgmt. 211 - Cropland Previous No NF Inventory Prescription 2016 Specs: NonForestMqt, Mowing; NonForestMqt, Herbaceous/Crop/Grass Planting (inactive); NonForestMqt, Fruit Tree/Shrub Planting; Pesticide, Next Step Treatments: (Inactive)Skidder/Mechanical; NonForestMgt, Brush Cutting; NonForestMgt, Mowing; NonFore <u>Acceptable</u> Regen: Percent to Treat = 100% <u>Other</u> Comment: Site Condition: Proposed Start Date: 10/01/2026 32097036.18 33.8 2113 - Forage Crops 99 NonForestMgt Openings Mgmt. 211 - Cropland Previous No NF Inventory Prescription The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The work needed will be

Specs: done with the help of sharecropping, through the use of contracts, or with DNR personnel.

These openings will

NonForestMqt, Herbaceous/Crop/Grass Planting (inactive); NonForestMqt, Mowing; NonForestMqt, Fruit Tree/Shrub Planting; Pesticide, Next Step (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Treatments:

<u>Acceptable</u> Regen:

Percent to Treat = 100%

Comment:

Other

Site Condition:

Compartment: 32097

Year of Entry: 2027

Inventory

S t a

Treatment Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age Habitat n Range Method Name Objective Structure CoverType Density Age Type Cut d 37 32097037.17 26.2 211 - Cropland 99 NonForestMqt Openings Mgmt. 211 - Cropland Previous Nο

<u>Prescription</u>
Specs:
The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through the use of contracts, or with DNR personnel.

These openings will

Next Step Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Treatments: Fruit Tree/Shrub Planting; NonForestMgt, Mowing; NonForestMgt, M

Acceptable Regen:

NF

Other Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

 38
 32097038.37_ NF
 30.1 Season Grass
 31021 - Cool Season Grass
 99 NonForestMgt Openings Mgmt. Season Grass
 31021 - Cool Season Grass Inventory
 Previous No Season Grass
 NonForestMgt Openings Mgmt. Season Grass
 31021 - Cool Season Grass Inventory
 Previous No Season Grass

<u>Prescription</u> Forward FTP32-683 addendum for prescribed burn approved in 2013. Forward Out-of-Entry Year FTP W32-848 approved in April of 2015. The <u>Specs:</u> goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The

NonForestMgt, Fruit Tree/Shrub Planting; Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Herbaceous/Crop/Grass Planting Treatments: (inactive); Burn, Opening; NonForestMgt, Mowing; NonForestMgt, Mowing; NonForestMgt, Mowing

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

39 32097039.34_ 32.9 3102 - Grass 99 NonForestMgt Openings Mgmt. 211 - Cropland Previous No NF Inventory

<u>Prescription</u> Forward Out-of-Entry Year FTP W32-848 approved in April of 2015. The goal is to manage these openings for wildlife and to create a <u>Specs:</u> partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through t

Next Step Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Treatments: Mowing

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

40 32097040-NF 33.3 31021 - Cool 99 NonForestMgt Openings Mgmt. 211 - Cropland Previous No Season Grass

Prescription Specs: Trim, shelter, fertilize, and/or maintain planted trees/shrubs. Herbicide, plant/replant, fertilize, and/or mow to maintain planted cover crops as necessary. Monitor health and survival of planted trees/shrubs. Assess success and suitability for longevity

Next Step Burn, Opening; ; ; NonForestMgt, Other - Specify; No

Acceptable Regen:

Other Percent to Treat = 100%

Comment:

Site Condition:

DNR DNRCHIGAN
Habitat

S t a		Gwinn	Mgt. Unit		Repor	t 3 '	Treatments		Compartmen Year of Entry		OF NATURAL PROPERTY OF NAT
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
Pres Spec	32097041.20_ NF cription cs:	29.6	211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
Trea	tments: Fruit T eptable en:		lanting; ; NonFo					Herbaceous/Crop/ ictive); NonForesti		active); Nor	nForestMgt,
Site	ment: Condition: osed Start Date 32097042.24_ NF		26 211 - Cropland	99			NonForestMgt	Openings Mgmt.	211 - Cropland	Previous Inventory	No
Spec Next Trea	 <u>Step</u> NonFo							e); NonForestMgt, (inactive); NonFo			esticide,
Rege Othe Com	en:	nt to Treat =	100%								
Prop	osed Start Date	<u>:</u> 10/01/20	26								
Spec			211 - Cropland	99		Marring		Openings Mgmt.		Previous Inventory	No

Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Treatments: Fruit Tree/Shrub Planting; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceou

<u>Acceptable</u> Regen:

<u>Other</u> Percent to Treat = 100%

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

211 - Cropland 32097044.23_ 34.3 99 NonForestMgt Openings Mgmt. 211 - Cropland No Previous NF Inventory

Prescription Specs:

; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, <u>Treatments:</u> Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, H

<u>Acceptable</u> Regen:

<u>Other</u> Percent to Treat = 100%

Comment:

Site Condition:

S t			m mgt. Omt		Kepoi		reatments		Year of Entr		DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habit Cut
57	32097057.36_ Plant	52.1	320 - Upland Shrub	99			Planting	Planting (tree species)	320 - Upland Shrub	Previous Inventory	No
Preso		rd FTP W3	32-804 approved in 20	013. Plar	nting of h	nard and/o	r soft mast trees	s and/or shrubs to b	enefit wildlife.		
Next Treat	<u>Step</u> Plantin tments:	ıg, Interplaı	nt; Monitoring, Other	- Specify							
Acce Rege		tment of a	portion of the trees/s	hrubs plar	ited for t	he benefit	of wildlife speci	es.			
Othe Com	<u>r</u> ment:										
	Condition:	. 40/04/0	000								
<u>58</u>	osed Start Date 32097058.12_ Plant		4130 - Aspen	5	30	Immatu re	Planting	Planting (tree species)	413 - Aspen	Planting Record	No
Prese	<u>cription</u> Plant r	nast produ	cing trees and shrubs	for wildlif	e	10		ороскогу		rtocord	
Next	_	ring, Other	- Specify								
Acce Rege		tment of a	portion of the trees/s	hrubs plar	ited for t	he benefit	of wildlife speci	es.			
Othe Com	<u>r</u> Percer <u>ment:</u>	nt to Treat	= 100%								
	Condition:										
	osed Start Date 32097401.10_		310 - Herbaceous	99			Planting	Planting (tree	3102 - Grass	Previous	No
Preso		nast produ	Openland cing trees and shrubs	s for wildlif	e			species)		Inventory	
Next	_	ring, Other	- Specify								
Acce Rege		tment of a	portion of the trees/s	hrubs plar	nted for t	he benefit	of wildlife speci	es.			
Othe Com	<u>r</u> Percer ment:	nt to Treat	= 100%								
Site (Condition:										
Prop	osed Start Date	<u>:</u> 10/01/2	026								
402	32097402.27_ Plant	1.2	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
Preso Spec		rd FTP W3	32-804 approved in 20	013. Plar	nting of h	nard and/o	r soft mast trees	s and/or shrubs to b	enefit wildlife.		
	<u>Step</u> Plantin tments:	ıg, Interplaı	nt; Monitoring, Other	- Specify							
Rege	en:	tment of a	portion of the trees/s	hrubs plar	ited for t	he benefit	of wildlife speci	es.			
Othe Com	<u>r</u> ment:										
	Condition:										
Prop	osed Start Date	<u>:</u> 10/01/2	026								

DNR DNR

••	tment ame	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habita Cut
	7404.28_ Plant	1.3	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
Prescription Specs:	<u>r</u> Forward	FTP W3	2-804 approved in 2	013. Plar	iting of h	ard and/o	r soft mast trees	s and/or shrubs to be	enefit wildlife.		
Next Step Treatments		, Interplar	nt; Monitoring, Other	- Specify							
Acceptable Regen: Other	_ Recruitr	nent of a	portion of the trees/s	hrubs plan	ted for t	he benefit	of wildlife speci	es.			
Comment:											
Site Condit											
Proposed S											
405 3209 F	7405.26_ Plant	8.0	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
Prescriptior Specs:	<u>r</u> Forward	FTP W3	2-804 approved in 2	013. Plar	iting of h	ard and/o	r soft mast trees	s and/or shrubs to be	enefit wildlife.		
Next Step Treatments		, Interplar	nt; Monitoring, Other	- Specify							
Acceptable Regen:	_ Recruitr	nent of a	portion of the trees/s	hrubs plan	ted for t	he benefit	of wildlife speci	es.			
Other Comment:											
Site Condit	ion:										
Proposed S	Start Date:	10/01/2	026								
407 3209 F	7407.25_ Plant	0.7	310 - Herbaceous Openland	99			Planting	Planting (tree species)	3102 - Grass	Previous Inventory	No
Prescriptior Specs:	<u>n</u> Forward	FTP W3	2-804 approved in 2	013. Plar	iting of h	ard and/o	r soft mast trees	s and/or shrubs to be	enefit wildlife.		
Next Step Treatments		, Interplar	nt; Monitoring, Other	- Specify							
Acceptable Regen:	_ Recruitr	nent of a	portion of the trees/s	hrubs plan	ted for t	he benefit	of wildlife speci	es.			
Other Comment:											
Site Condit	ion:										
Proposed S	Start Date:	10/01/2	026								
408 3209 I	7408.31_ Burn	247.5	310 - Herbaceous Openland	99			Burn	Prescribed Burn	3102 - Grass	Previous Inventory	No
Droccrintion			Area - a unique SGA cocurring, reducing							s necessary to	reduce
	04,0000										
Specs: Next Step Treatments	Burn, O	pening; I	NonForestMgt, Brush	Cutting;	Monitor	ing, Other	- Specify				
Specs: Next Step	Burn, O	pening; l	NonForestMgt, Brush	n Cutting;	Monitor	ing, Other	- Specify				
Specs: Next Step Treatments Acceptable	Burn, O <u>:</u>	, O	NonForestMgt, Brush	o.		ing, Other	- Specify				
Specs: Next Step Treatments Acceptable Regen: Other	Burn, O	, O	ů.	o.		ing, Other	- Specify				

Regen:
Other Percent to Treat = 100%
Comment:

Site Condition:

<u>Acceptable</u>

Proposed Start Date: 10/01/2026

410 32097410.32127.0 310 - Herbaceous99BurnPrescribed Burn3102 - GrassPreviousNoBurnOpenlandInventory

<u>Prescription</u>
Specs:
Au Train Wildlife Area - a unique SGA with over 500 acres of openings & shrublands. Opening management. Burning is necessary to reduce succession that is occurring, reducing the suitability of sharptailed grouse habitat. Burning will enhance habitat and

<u>Next Step</u> Burn, Opening; NonForestMgt, Brush Cutting <u>Treatments:</u>

Acceptable Regen:

Other Mechanical treatment may include trees > 4 inch dbh.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

412 32097412.33_33.6 310 - Herbaceous99NonForestMgtOpenings Mgmt.211 - CroplandPreviousNoNFOpeningsInventory

<u>Prescription</u> Specs: Forward Out-of-Entry Year FTP W32-848 approved in April of 2015. The goal is to manage these openings for wildlife and to create a partnership with the local agricultural community. The work needed will be done with the help of sharecropping, through t

Next Step Pesticide, (Inactive)Skidder/Mechanical; NonForestMgt, Mowing; NonForestMgt, Herbaceous/Crop/Grass Planting (inactive); NonForestMgt, Treatments: Fruit Tree/Shrub Planting

Acceptable Regen:

Other Comment:

Site Condition:

Proposed Start Date: 10/01/2026

<u>Prescription</u>
Specs:
Au Train Wildlife Area - a unique SGA with over 500 acres of openings & shrublands. Opening management. Burning is necessary to reduce succession that is occurring, reducing the suitability of sharptailed grouse habitat. Burning will enhance habitat and

Next Step Burn, Opening; NonForestMgt, Brush Cutting; Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Regen:

Other Mechanical treatment may include trees > 4 inch dbh.

Comment:

Site Condition:

s		Gwin	n Mgt. Unit		Repor	t 3	Treatments		Compartme Year of Ent		DNR DNR
t a											MICHIGAN S
n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut

Total Treatment Acreage Proposed: 1370.7

Gwinn Mgt. Unit

Compartment: 97
Year of Entry: 2027



Matt Yeo: Examiner

Total	Acres	Acres Avail	Acres		Domina	nt Site	e Con	dition	S	
Acres	Available	With Condition	Not Available		2B	5C	2G	2H	3J	5E
687	510	25	152	Aspen	6	20		96	37	20
39	0	0	39	Cedar			1		38	
302	302	0	0	Cropland						
568	568	0	0	Herbaceous Openland						
28	0	0	28	Lowland Conifers			28			
22	20	0	2	Lowland Shrub					2	
2	3	0	0	Lowland Spruce/Fir						
11	0	0	11	Mixed Upland Deciduous					11	
301	226	7	69	Northern Hardwood	7				69	
5	5	0	0	Red Pine						
16	16	0	0	Tamarack						
46	46	0	0	Upland Shrub						
6	6	0	0	Water						
2,033	1,701	32	300	Total Forested Acres	12	20	29	96	156	20
	84%	2%	15%	Relative Percent						

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

(stream, river, or lake) Comments: 2 Unavailable 2H: Blocked by physical 96 2H: Blocked	Too steep Unspecified Unspecified Unspecified
2 Unavailable 2H: Blocked by physical 96 2H: Blocke	
	ked by physical 3G: Other influence 3J: Water quality/BMPs Unspecified e (e.g. upland zones - See comments (stream, river, or lake) a lowland area)
Comments:	

Gwinn Mgt. Unit Matt Yeo: Examiner



3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	9	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	36	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: High priority trout s	stream buffer and cold water str	eams b	uffer.			
7	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	54	3G: Other influence zones - See comments	2F: Too steep	Unspecified	Unspecified
	Comments: 200 foot Cold water	r stream buffer per Cory Kovac	s and A	audrey Baetz recommendat	ion.		
8	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Gwinn Mgt. Unit Matt Yeo: Examiner



Unavailable	2G: Too wet (sensitive soils, does not include access issues)	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
	buffer from Conservation Area	Review A	pplication			
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	7	Unspecified	Unspecified	Unspecified	Unspecified
	r stream buffer from Conservat	ion area r	eview application and pe	er Audrey Baetz recommer	ndation.	
Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	2F: Too steep	Unspecified	Unspecified	Unspecified
	n the West (25 foot buffer with	selective	cutting) and then a steep	slope to the east just sou	th of the black spruce stan	d.
Unavailable	2G: Too wet (sensitive soils, does not include access issues)	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:						
Unavailable	5E: Long-Term Retention	8	Unspecified	Unspecified	Unspecified	Unspecified
	g maple dominated areas and a	reas of he	eavy maple regeneration			
	Comments: Cold water stream Unavailable Comments: 100 foot Cold wate Unavailable Comments: Large vernal pool in Unavailable Comments: Unavailable Comments:	Comments: Unavailable 3J: Water quality/BMPs (stream, river, or lake) Comments: Cold water stream buffer from Conservation Area Unavailable 3J: Water quality/BMPs (stream, river, or lake) Comments: 100 foot Cold water stream buffer from Conservat Unavailable 3J: Water quality/BMPs (stream, river, or lake) Comments: Large vernal pool in the West (25 foot buffer with Unavailable 2G: Too wet (sensitive soils, does not include access issues) Comments: Unavailable 5E: Long-Term Retention Comments:	Comments: Unavailable 3J: Water quality/BMPs 7 (stream, river, or lake) Comments: Cold water stream buffer from Conservation Area Review A Unavailable 3J: Water quality/BMPs 7 (stream, river, or lake) Comments: 100 foot Cold water stream buffer from Conservation area r Unavailable 3J: Water quality/BMPs 5 (stream, river, or lake) Comments: Large vernal pool in the West (25 foot buffer with selective Unavailable 2G: Too wet (sensitive 1 soils, does not include access issues) Comments: Unavailable 5E: Long-Term Retention 8 Comments:	Comments: Unavailable 3J: Water quality/BMPs 7 Unspecified (stream, river, or lake) Comments: Cold water stream buffer from Conservation Area Review Application Unavailable 3J: Water quality/BMPs 7 Unspecified (stream, river, or lake) Comments: 100 foot Cold water stream buffer from Conservation area review application and perform Comments: Unavailable 3J: Water quality/BMPs 5 2F: Too steep (stream, river, or lake) Comments: Unavailable 2G: Too wet (sensitive 1 Unspecified soils, does not include access issues) Comments: Unavailable 5E: Long-Term Retention 8 Unspecified Comments:	Comments: Unavailable 3J: Water quality/BMPs 7 Unspecified Unspecified (stream, river, or lake) Comments: Cold water stream buffer from Conservation Area Review Application Unavailable 3J: Water quality/BMPs 7 Unspecified Unspecified (stream, river, or lake) Comments: 100 foot Cold water stream buffer from Conservation area review application and per Audrey Baetz recomment Unavailable 3J: Water quality/BMPs 5 2F: Too steep Unspecified (stream, river, or lake) Comments: Large vernal pool in the West (25 foot buffer with selective cutting) and then a steep slope to the east just sou Unavailable 2G: Too wet (sensitive 1 Unspecified Unspecified soils, does not include access issues) Comments: Unavailable 5E: Long-Term Retention 8 Unspecified Unspecified	Comments: Unavailable 3J: Water quality/BMPs 7 Unspecified Soils, does not include access issues) Unavailable 5E: Long-Term Retention 8 Unspecified

Gwinn Mgt. Unit

Compartment: 97 Year of Entry: 2027 Matt Yeo: Examiner



15	Available	2B: Unknown if access through adjacent landowner(s) is possible	12	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
,	Access into the sta	nd will need to be through priva	te pro	perty in the east.			
24	Unavailable	e 5E: Long-Term Retention		Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
54	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	12	2G: Too wet (sensitive soils, does not include access issues)	Unspecified	Unspecified	Unspecified
	Comments: High priority trout s	tream buffer					

08/21/2025 8:44:07 AM - Page 4 of 4 HEINTZELMANC 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				

7 – Stands

DEPARTMEN	OF NAT	SEAL PROPERTY.	1
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Stand	Level 4 Co	over Type		Size De	ensity	Acres	Stand Age B	A Range	Managed Sit	te	General Comments		
1	4119 - Mixed Northern Hardwoods			oletimb	er Well	24.5	188	81-110	N/A		OPIC - FMD: Part of area is nice hardwood but has steep hills and a		
	Canopy Species	% Cover	Size Class	DBH	DBH Age Sub-Cand		nopy Species	Density	Avg. Height	Size	ridge down to creek. Some aspen especially north along creek. Feeder stream southwest. Diffficult to log. High riparian values. Only about 1/3		
	Sugar Maple	60		8	188	Ва	ılsam Fir	Low	Variable	Variable	of the stand is loggable if access could be had from private land. Mixed		
	Basswood	15		8		Sug	gar Maple	Medium	Variable	Variable	hardwood contains minor amounts of cherry,yellow birch,basswood. Softwood is mostly spruce and fir.2025: Rolling hills to low bottoms,		
	Yellow Birch	5		10							steep terrain, difficult to log like mentioned above. Mainly an M6 stand,		
	Quaking Aspen	15	Seedling	8							maple dominant, some basswood, aspen, Y birch, R maple, fir. Good		
	Red Maple	5		8							amount of scattered aspen, some large overmature aspen. Some S maple and fir regen. Mainly pole timber throughout, some logs, access into the stand is difficult with terrain, streams, and private property. Areas of more dense fir regen, lots of aspen along southern edge.		
2	2 4130 - Aspen Sawtimber M			95.8	95	51-80	N/A		OPIC - FMD: Johnson creek splits into two forks and rejoins downstream. This stand is in the center. There is also a spring fed or drainage stream in stand which joins Johnson creek. Not well-stocked mostly due to long-term beaver activity. Some patches of A6 however. Most aspen mature or overmature but some trees look a little younger and will last for a couple decades yet. Hawthorn and hazel in the understory and some open areas, some areas quite thick and inpenetrable. Grass openings throughout stand. Aspen has some hypoxylin. Some Spruce/fir type along stream where beaver have eliminated all aspen. High riparian values. Difficult and economically unfeasible to log. The small amount of hardwood here is mostly scrub cherry or red maple.2025: Above comments accurate, stand is surrounded by water, unable to get boots on the ground, site conditions in place.				
3	6120 - Lov	wland Ceda	r P	oletimb	er Well	35.5 160 81-110 N/A			OPIC - FMD: Scattered trees not thickly stocked. Mix of F,Q,E types.				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Moxtly Q. Alder in some areas. High riparian values. Big cedar west along creek.2025: Heavy cedar pockets, especially by the creek, lots		
	Black Ash	1	Sapling	5		Whi	te Spruce	Low	Variable	Variable	of spruce/fir. Lots of tag alder and spruce/fir in the understory. Trace		
	Balsam Fir	30	Seedling	7		Ta	ag Alder	High	5 - 10 feet	5 - 10 feet	amounts of Y birch and B ash (mostly dead), some scattered large		
No	rthern White Cedar	50		10	160	Ва	ılsam Fir	Medium	Variable	Variable	diameter spruce/cedar. Low wet ground along the creek, some diebac and beaver sign also present.		
	Yellow Birch	4	Seedling	8									
	White Spruce	15		10									
4	4110 - Sugar N	1aple Assoc	ciation P	oletimb	er Well	17.6	111	81-110	N/A		OPIC - FMD: Thinned under contract #36-97-01 in 1999. Some sparse		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	areas where the aspen was cut out. Most of the stand has good quality timber and potential. Good regeneration in spots of 6' tall. Also minor		
	Sugar Maple	80		9	111	Ва	ılsam Fir	Low	Variable	Variable	amounts of yellow birch in this stand. Some ironwood especially in the		
	Basswood	20		10		Sug	Sugar Maple		Variable	Variable	regeneration. 2015-lots of trillium, pockets of older higher stocked timber. More sugar saps further south. Occasional wb,aspen, balsam		
	3 1		5 - 10 feet	fir. Lots of doubles and triples.2025: Lots of size class variability within the stand. Areas of good quality well stocked S maple pole timber 4-8" some scattered logs. Areas of heavy regeneration pockets, ironwood regen is high, S maple regen is med to high in areas. Trace amounts o									

Report 7 – Stands

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Compartment: 97

Year of Entry: 2027

Stand	d Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed Si	ite	General Comments
5	4130 - Aspen		F	Poletimber Well	40.3	40	1-50	N/A		OPIC - FMD: 4"-5" average well-stocked. A lot of 2" dbh sugar maple
	Canopy Species % Cover Size Clas		Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mixed in. A few conifer. Some areas pure M3. Most of stand is 4" A3 Some F4F3 on the wetter sites especially southwest. Leeks, trillium, sm
	Sugar Maple	14	Sapling	6	Suç	gar Maple	High	>20 feet	>20 feet	seedlings on forest floor. 2025: Mainly pole aspen of variable size with
	Basswood	6	Seedling	7	Pa	per Birch	Low	>20 feet	>20 feet	lots of S maple saplings. Some scattered larger aspen and S maple,
	Paper Birch	2	Sapling	5						¹ trace amounts of spruce/fir, ironwood, cherry, some basswood poles present in aspen mix. Heavier maple component in the NW. Not quite
	Quaking Aspen	78	Sapling	7 40						ready to harvest due to aspen size class and amount of maple regen, avg 6-8" aspen around 2-4 sticks, some larger.
6	4130	- Aspen	i	Poletimber Well	27.1	26	1-50	N/A		OPIC - FMD: Cut under permit #36-97-01 in 1999. A3 well stocked 1"
-	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	dbh. A few conifers mostly east. Some beaver activity converting to conifer east F2F1. Mixed hardwood, mostly cherry west mixed with
	Balsam Fir	6	Pole	4		ck Cherry	Low	Variable	Variable	aspen. Some residual hardwood 3" sugar maple and some sugar maple
	Quaking Aspen	94	Pole	4 26		alsam Fir	Medium	10 - 20 feet	10 - 20 feet	seedling in as well mostly near the hardwood stands. 2015: 1-3" aspen over fir.2025: Mainly aspen sap/poles, 3-6", some larger, decent fir
	4119 - Mixed No	orthern Har	dwoods f	Poletimber Well	28.1	188	81-110	N/A		regen and scattered hdwd poles, trace amounts of yellow birch and R. maple. East/SE edge is part of a buffer area from the creek, heavier to fir, more low land wet area with intermittent stream, beaver sign present in that area as well. OPIC - FMD: Johnson creek buffer stand. Some of this stand had aspen
	Canopy Species		Size Class	DBH Age		nopy Species	Density	Avg. Height	Size	removed in a harvest 20 years ago, mostly NW. Steep bank in most
	Ironwood	5	Seedling	6		gar Maple	Low	Variable	Variable	spots down to river. Good quality hardwood but sprout clumps of basswood and sugar maple are throughout. In gaps aspen is 2" also
	Balsam Fir	15	Seedling	6		onwood	Low	Variable	Variable	ironwood and sugar 1" in some spots. Bottom near creek has a mix of
	Red Maple	15	- Coodining	10		ed Maple	Low	Variable	Variable	green ash and maple plus a few cedar and other softwoods. Near creek
	Sugar Maple	63		8 188		alsam Fir	Medium	Variable	Variable	more black ash and big cedar. This stand due to it's steepness and proximity to Johnson creek is in biodiversity stewardship to protect the
	Paper Birch	2	Seedling	7			Wediam	Variable	Variable	riparian values.2025: Mainly fir and S maple poles, some R maple logs. Stand follows a ridge high spot with a steep downhill slope to the
										creek bottom. Few scattered overmature aspen, trace amounts of aspen, cherry, Y birch, W spruce. Some dieback in the stand, lots of fallen down dead fir trees, tag alder also present near creek edge. Scattered pockets of ironwood present to. Mainly a M6 stand with scattered fir/ironwood, site conditioned due to steep slopes and proximity to creek.
8	4130	- Aspen	F	Poletimber Well	5.4	37	51-80	N/A		OPIC - FMD: A4 almost A6 well-stocked 4" dbh, some larger. Some
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	older residual hardwood 6"dbh. Scattered sp/fir smaller 2".7/19/23: Updated to non-Ol cover type.2025: A6, mainly 4-8" aspen poles,
	Paper Birch	3	Sapling	6	Ва	alsam Fir	Low	Variable	Variable	some larger, 2-4 stick aspen. Lots of maple regen, some scattered
	Black Cherry	3	Sapling	5	Su	gar Maple	Medium	>20 feet	>20 feet	hdwd poles and fir poles. Trace amounts of cherry, birch, spruce. Aspen
	Balsam Fir	3	Sapling	5						looks healthy, lots of trees at or around pole size.
	Quaking Aspen	91	Sapling	6 37						
9		- Aspen		Poletimber Well	100.8	37	1-50	N/A		OPIC - FMD: A4 almost A6 well-stocked 4" dbh, some larger. Some older residual hardwood 6" dbh. Scatterd sp/fir 2". 2015-converting to
	Canopy Species		Size Class	DBH Age		nopy Species	Density	Avg. Height	Size	sugar mapleaspen falling out of the stand.2025: Accurate above
	Balsam Fir	5	Seedling	8	`	gar Maple	Full	Variable	Variable	comments. Trace amounts of cherry, spruce, birch, ironwood, elm.
	Quaking Aspen	94	Sapling	7 37		ck Cherry	Low	Variable	Variable	Mainly sap/pole 6-7"avg aspen, some scattered larger aspen and fir, few S maple poles, low fir regen and very high S maple regen.
	Sugar Maple	1	Seedling	8	Ва	alsam Fir	Low	Variable	Variable	o maple poles, low ill regen and very flight o maple regen.



Stand	Level 4 C	Cover Type Size Density Acres Stand Age BA Range Managed Site		te	General Comments								
10	4116 - Mixed N.	Hardwood	- Aspen	Poletimber We	ll 44.6	188	81-110	N/A		OPIC - FMD: Cut in 1988. Thinned plus elm salvage left low BA areas			
	Canopy Species % Cover Size Class		Size Class	Size Class DBH Age		nopy Species	Density	Avg. Height	Size	then. Some areas could do a light thinning but most of stand, over 3/4, BA below 100. M3 2" dbh throughout stand and 2 stick in gaps, mostly			
	Quaking Aspen	20		9	Su	gar Maple	Medium	Variable	Variable	sugar maple. Most hardwoods still crown room. Good potential. Some			
	Yellow Birch	5		14	Ва	alsam Fir	Low	5 - 10 feet	5 - 10 feet	steep slopes especially NE. Ironwood, red maple, and aspen are most			
	Red Maple	15		8	Ir	ronwood	Low	Variable	Variable	of the rest of the hardwood species here. Some softwood. 2015-stand contains large vernal pond. 2025: East finger has steep hill where			
	Basswood	15		14				·		operability would be tough. Good amount of R maple and aspen near east edge, next to a recent aspen clearcut. Aspen mix throughout the			
11				None	None 1.1 Poletimber Well 2.5 70			No N/A		stand, especially around the stand edges as the stand is surrounded by aspen stands. Species mix of aspen, S maple, basswood, Y birch, ironwood, few scattered R maple. S maple is pole/log size, crowns ar small and pretty spaced out, little to no crowding in areas, scattered large overmature aspen present to. Some areas are heavier to pole timber, some logs, good amount of maple clumps. Low wet vernal po area in the middle north of the stand that is site conditioned. Trace amounts of P birch, ironwood, cherry, W spruce. North part of the staby the river has a higher fir component, mainly poletimber dominant. Stand BA averaged around 80-110, not much regeneration. 2025: Open water pond surrounded by aspen mainly, some scattered maple and cherry to.			
12							51-80			OPIC - FMD: S3 and up to 3-Stick spruce. Small pothole bog. vernal swale connects this with bog east.2025: Spruce sap/pole, 2-3 sticks in			
	Canopy Species		Size Class			Sub-Canopy Species		ensity Avg. Height	Size	spots, lots of saplings on the verge of becoming poles 4-8" avg range.			
	Black Spruce	100	Sapling	6 70		ck Spruce	High	Variable	Variable Variable	Trace amounts of red maple, fir, Y birch, W pine, and tag alder regen species. Leatherleaf visible on ground floor. Some scattered more open			
					11	ag Alder	Low	Variable	variable	canopy areas with standing dead trees.			
13	6120 - Lo	wland Ceda	r	Poletimber We	ll 3.7	106	111-140	N/A		OPIC - FMD: Flooded stand. Beaver sign but not present now.			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Scattered trees. Lowland brush in most areas.2025: Dense cedar stand, mix of poles/logs, appears healthy. Trace amounts of R maple,			
No	orthern White Cedar	100		9 106		alsam Fir	Low	Variable	Variable	fir/spruce, B ash, and tag alder. Some open canopy areas, lowland wet			
					T	ag Alder	Low	5 - 10 feet	5 - 10 feet	area. Open areas and dense cedar areas. West to southwest edge			
					В	lack Ash	Low	Variable	Variable	borders up to a stream, heavy to tag alder and more open.			
14	4134 - Asp	en, Spruce/	Fir	Sapling Well	56.9	6		N/A		Cut 2019. Sale #32-32-18 Big Burger Aspen, cut all trees which meet			
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	minimum piece specifications in 2.2 Utilization, except do not cut black cherry and cedar .OPIC - FMD: A6 3-4 stick average. Patches of fir			
	Balsam Fir	20	Log	1	Wh	ite Spruce	Low	Variable	Variable	1-2 stick. Scattered balsam poplar, elm, cherry. Most of stand has 1-			
	Sugar Maple	5	Pole	3		erican Elm	Low	Variable	Variable	2"dbh sugar maple understory. 2015-Very high site quality, trillium, may apple, cohosh. Lots of aspen going down, let convert to sugar maple.			
	Black Cherry	5	Pole	4		ck Cherry	Low	Variable	Variable	A4M32025: Cut in 2019, regenerating well, mainly aspen saplings,			
	Quaking Aspen	70	Log	1 6	Su	gar Maple	Medium	Variable	Variable	some cherry and S maple 2-3" left in overstory from previous harvest, some of the cherry is pole size. Also scattered spruce/fir.			

Report 7 - Stands



Compartment: 97

is regenerating ok in the area that was cut, few S maple sap/pole, some cherry sap/pole scattered, trace amounts of spruce/fir. Lots of the area is open with low stocking. Mainly aspen saplings with some scattered mixed in maple and cherry saplings. Some larger scattered pole timber but overall sapling size class. Can see evidence of poor regeneration in

the NW portion of stand where the impeded drainage was.

											Year of Entry: 2027			
Stand	d Level 4 C	Level 4 Cover Type Size De		evel 4 Cover Type Size Density		nsity	Acres	Acres Stand Age BA Range Managed Site			ite	General Comments		
15	320 - Սբ	320 - Upland Shrub		320 - Upland Shrub None		None		13.1			No		2019 - Burned with adjacent stand (40).Brush was mechanically	
							Sub-Car	nopy Species	Density	Avg. Height	Size	removed in preparation for burning during August of 2017.Stand was burned on September 9, 2011.OPIC - FMD: Cherry and maple brush		
						Sug	ar Maple	Low	Variable	Variable	coming in. Cut 1990 to provide larger area of young forest or opening fo			
						Blac	Black Cherry		Low Variable		wildlife. Some sparse areas but mostly well-stocked. Some trees up to 4" dbh, but mostly 10' tall. 2025: Accurate above comments. Hilly area			
											that separates the two openings on each side of the stand. Mainly brush and some clumps of trees, cherry more consistent throughout, maple scattered in clumps, Trace amounts of fir in the south. Trees are mainly all saplings <1", very few 3-4" trees.			
16	16 4110 - Sugar Maple Association Canopy Species % Cover Size Cla		ciation	Poletimb	er Well	90.2	111	81-110	N/A	1	OPIC - FMD: Thinned 1987. Thinned 2009 permit #31-07-01 premier logging. Steep hills in stand especially NW so those will not be marked.			
			Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Stand will be reduced to about 80-90 sq ft BA leaving trees of all sizes			
	Yellow Birch	2		14		Blac	Black Cherry		Variable	Variable	but emphasizing opening up the good quality crop trees. At least 2			
	Sugar Maple	74		12	111	Bal	Balsam Fir		5 - 10 feet	5 - 10 feet	wildlife trees per acre will be left. All cedar and white pine will left. Underplant hemlock to increase diversity post harvest by wildlife			
	Black Cherry	4		12		Sug	ar Maple	Medium	Variable	Variable	division.2025: Trees appear healthy, growing well, crowns appear to			
	Basswood	20		14		Wild Re	ed Raspberry	Low	5 - 10 feet	5 - 10 feet	have good amounts of space, fairly open canopy. Some topography in the NW finger of this stand and the SE stand edge, somewhat steep			
						Iro	nwood	Medium	Variable	Variable				
											ridges. S maple dominated stand with a good portion of basswood and some scattered cherry and Y birch. Trace amounts of ironwood, fir, R maple, and aspen. Fir pockets and traces of aspen near stand edges. Areas of more open regen pockets scattered throughout. BA spins consistently averaging around 100-110, areas of variability, some scattered sapling heavy areas mixed in and a good layer of seedlings.			
17		- Aspen		Sapling N		55.4	6		N/A		Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent			
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	purchase from Plum Creek. Stand located within AuTrain Waterfowl			
	Quaking Aspen	45	Pole	1	6		rican Elm	Low	10 - 20 feet	10 - 20 feet	Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights			
	Bigtooth Aspen	30	Pole	1			k Cherry	Medium	Variable	Variable	stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. Northwest			
	Black Cherry	20	Pole	3			lsam Fir	Low	Variable	Variable	portion of stand has impeded drainage and has poison ivy and red-osier			
	Balsam Fir	5	Pole	3		Sug	ar Maple	Medium	Variable	Variable	dogwood as the understory. 2025: Above comments accurate. Aspen			

Report 7 – Stands

Compartment: 97

Year of Entry: 2027

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Stand	Level 4 C	over Type		Size De	nsity	Acres S	Stand Age E	BA Range	Managed S	ite	General Comments
18	4116 - Mixed N.	Hardwood	- Aspen S	awtimber	Medium	92.5	111	51-80	N/A		Planted 123 red oak and 142 burr oak in various stands within this ftp in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	py Species	Density	Avg. Height	Size	2014. May want to plant more oaks or fruit-bearing trees/shrubs in future years. 2015 - planted 100 red/burr oak along edge with Stand
	Basswood	5		12		Sugai	r Maple	Medium	Variable	Variable	413.OPIC - FMD: M5M2F1. Semi-open areas throughout stand. Some
	Sugar Maple	20		10		Balsa	am Fir	Low	Variable	Variable	fully stocked areas but smaller trees on average. Former open areas
	Balsam Fir	5	Seedling	9		Red	Maple	Low	Variable	Variable	seeding in. Possible to clearcut and manage for aspen in 20 years. Aspen is 4 stick and larger in spots. Hardwood is 2-3 stick and poor
	Black Cherry	5	Seedling	8		Iron	wood	Medium	Variable	Variable	timber quality generally. Mostly red maple and some poor quality cherry.
	Yellow Birch	5		12		Black	Cherry	Low	Variable	Variable	Some areas more pure aspen. If cut now too much poor quality residual
	Red Maple	40		12	111			'			¬ small hardwood would be left. Recommend manage stand for aspen by the check in 10-20 years. 2015 old opening that has converted to — small hardwood would be left. Recommend manage stand for aspen by the check in 10-20 years. 2015 old opening that has converted to — small hardwood would be left. Recommend manage stand for aspen by the check in 10-20 years. 2015 old opening that has converted to — small hardwood would be left. Recommend manage stand for aspen by the check in 10-20 years. 2015 old opening that has converted to — small hardwood would be left. Recommend manage stand for aspen by the check in 10-20 years. 2015 old opening that has converted to — small hardwood would be left. Recommend manage stand for aspen by the check in 10-20 years. 2015 old opening that has converted to — small hardwood would be left. Recommend manage stand for aspen by — small hardwood would be left. Recommend manage stand for a specific properties and the left. — small hardwood would be left. Recommend manage stand for a specific properties and the left. — small hardwood would be left. Recommend manage stand for a specific properties and the left. — small hardwood would be left. Recommend manage stand for a specific properties and the left. — small hardwood would be left. Recommend manage stand for a specific properties and the left. — small hardwood would be le
	Quaking Aspen	20	Seedling	8							hardwoods. Also some fir in clumps and scattered.2025: Trace
											amounts of spruce/fir, some topography/ridges in the north of the stand Y birch pole/log present, W spruce log trace amounts. Open areas with lots of regen throughout, west/NW edge has a higher S maple/basswood/Y birch component. Mainly R maple log/pole with scattered aspen, cherry, Y birch, basswood, S maple, spruce/fir. Canopy is somewhat open, scattered openings throughout, variable stocking, scattered larger trees and scattered regen dense areas. BA spins averaged around 70.
19	4134 - Asp	en, Spruce/	Fir	Sapling	Well	40.1	6	Immature	N/A		2019 PH: Refuge aspen #32-017-172015 - planted 25 red/burr oak in ¬ small opening within this stand.OPIC - FMD: A bit more well-stocked
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cano	opy Species	Density	Avg. Height	Size	than stand west but still not completely stocked. Semi-open areas.
	White Pine	5		16		Iron	wood	Low	Variable	Variable	Mostly 3-5 stick aspen. Young yet and not good quality aspen. Some

45 6 Quaking Aspen Log White Spruce 16 1 Log 10 9 Black Cherry 8 Red Maple 1 Log 5 Balsam Fir Log 1 11 Sugar Maple 1 Log

Sub-Canopy Species	Density	Avg. Height	Size
Ironwood	Low	Variable	Variable
Red Maple	Low	Variable	Variable
Sugar Maple	Low	Variable	Variable
Black Cherry	Medium	Variable	Variable

urr oak in stocked areas. . Some hypoxylin. Some w. pine and j. pine in stand especially SE. Cut in 10-20 years. 2015- Long ridge. Variable stand, semi open in places, heavily stocked in others. Site quality improves moving north. Much heavier to spruce/fir north. Scattered large hardwood. Stand contains approximately 4 acres of dense northern hardwoods north tip. Very steep, ancient river bank. Possibly select cut when the aspen is cut. Final harvest of aspen retaining large spruce and hardwood.2025: Above comments very accurate. Uncut area is a mix of aspen, cherry, fir, and maple. Aspen is 7"avg sap/pole, cherry is sap/pole 7"avg, some fir poles 8"avg. Southern edge is somewhat open and has a scattered mix of J pine, W pine, aspen, cherry, R maple. North west portion is mainly hdwd M6 on the side of a hill, steeper slope, has S maple, basswood, cherry, trace amounts of aspen, ironwood, R maple. Diverse stand with variable species and size classes, cut area is regenerating well with aspen saplings and some cherry/maple saplings.

20	4130 -	Sawtimbe	Sawtimber Wel			
	Canopy Species	% Cove	er Size Class	DBH	Age	
	Balsam Fir	3	Seedling	8		
	Black Cherry	15		10		
	American Elm	5	Seedling	8		
	White Spruce	5		10		
	Quaking Aspen	65		11	75	
	Sugar Maple	7		8		

Sub-Canopy Species	Density	Avg. Height	Size
Black Cherry	High	Variable	Variable
Sugar Maple	High	Variable	Variable
Ironwood	Low	>20 feet	>20 feet

N/A

51-80

65.9

75

OPIC - FMD: Need land survey for this stand. This is spotty. Patches of aspen mostly mature esp. east but some areas of smaller and younger aspen. Thick sugar maple regeneration 1-3" dbh throughout so if cut some parts of stand may convert to hardwood. A lot of this stand is A5 only. Some semi-open areas. If stand cannot be cut, it will hold as aspen. 2015- Large 4-5 stick overmature aspen over dense sugar maple saplings. Occasional large ws, elm, basswood. Leeks, trillium, cohosh. Stand converting to northern hardwoods.2025: Above description accurate. Large overmature aspen dominant, some cherry, elm, S maple, spruce/fir. Some patchy more open areas with raspberry in the north part of the stand. More of a maple component in the south of the stand, maple regen is heavy in the south, the SW corner of the stand has heavy S maple and cherry pole/log component.



Stand	Level 4 Co	ver Type		Size Density	Acres Stand Age E	BA Range	Managed Sit	te	General Comments
21	4116 - Mixed N. I	Hardwood -	- Aspen	Poletimber Well	6.7 95	81-110	N/A		OPIC - FMD: Hillside not too steep in spots. Aspen stand to convert to
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	hardwood. Access would be good through private but looks unfeasible there due to development. Access through state has wet area with
	Basswood	15	Seedling	8	Sugar Maple	Low	Variable	Variable	intermittent stream and hillside to contend with. We will defer this stand
	Balsam Fir	5	Seedling	6	Balsam Fir	Medium	Variable	Variable	this entry period and let stand convert to hardwood naturally and revisit
	Sugar Maple	40		9 95					for possible partial harvest in 2017. Aspen will decline and provide wildlife and other values here.7/19/23: Updated to non-OI cover
	Red Maple	10		9					type.2025: Basically an M6 stand with a good mix of aspen. Some
	Quaking Aspen	30	Seedling	9					hills, not too steep, some pockets of heavy regen, mainly pole S maple. R maple scattered throughout, a good amount of overmature aspen present too. Trace amount of fir, cherry, ironwood, P birch. Stand could
22	4139 - Aspen, N	Mixed Deci	duous	Poletimber Well	70.7 60	51-80	N/A		be treated, access is difficult as mentioned above. OPIC - FMD: Buffer stand left when stand 14 was cut. Steep hillside
22	Canopy Species	% Cover			Sub-Canopy Species		Avg. Height	Size	$_{ extstyle 7}$ mostly, down to immediately wet ground. Couple acres of flat ground
	Balsam Fir	10	Seedling	7	Red Maple	Low	Variable	Variable	possible to log. High riparian value.2025: Retention/buffer area left when stand 14 was cut. Lowland creek area running thru some of the
	Red Maple	30		8	Balsam Fir	Medium	Variable	Variable	stand that is site conditioned. Traces of alder, ash, and cedar follow the
	Quaking Aspen	55	Seedling	9 60					lowland creek area in some spots. Mainly overmature aspen with some
	White Spruce	2	Seedling	8					red maple, cherry, and fir, trace amounts of spruce. Areas of blowdown/dieback with down trees scattered, also areas of heavy fir
	Black Cherry	3	Seedling	7					pockets.
23	4139 - Aspen, N	Mixed Decid	duous	Sapling Well	17.7 6	Immature	N/A		11/20/19 PH: Refuge Aspen #32-0170172015: This stand is
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	merchantible and could cut. Could hold since age is not quite there for harvest, but is close. Most aspen is 5 stick but some smaller. Diverse
	White Spruce	5	Pole	1	American Elm	Low	Variable	Variable	areas with heavy hardwood and softwood component. Some sparse
	Quaking Aspen	35	Log	1 6	Black Cherry	Low	Variable	Variable	areas with smaller trees. Basswood, balsam poplar, and red maple in stand. Also balsam fir. 2015-final harvest on aspen, retaining cherry, an
	Bigtooth Aspen	6	Log	1 6	White Spruce	Low	Variable	Variable	most elm.2025: Uncut area of the stand is mainly aspen sap/pole
	Black Cherry	7	Sapling	6	Sugar Maple	Low	Variable	Variable	6"avg, some cherry/ fir sap/pole, aspen is mainly 1-3 sticks. Cut area is
	Sugar Maple	40	Pole	1 6	Balsam Fir	Low	Variable	Variable	mainly aspen and S maple saplings, some overstory maple pole/log, cherry poles, elm pole, and spruce/fir left as residual species. Some
	Balsam Fir	7	Pole	1					open canopy less stocked areas.
24	500 -	Water		None	1.4		No		2025: Open water pond area, scattered willow, aspen, R maple, P birch
					Sub-Canopy Species	Density	Avg. Height	Size	cherry, spruce/fir.
					Weeping Willow	Medium	>20 feet	>20 feet	
25	42110 - Plar	ited Red P	ine	Poletimber Well	5.2 48	111-140	N/A		OPIC - FMD: Mostly 3-5 stick red pine plantation. Thinned 2009 by roy
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Canopy Species	Density	Avg. Height	Size	nelson permit #33-07-01 Some porcupine damage. Some cherry in stand will be left for diversity. 5-6 stick poles.2025: Red pine log
	Red Pine	96		12 48	Black Cherry	High	Variable	Variable	stand, appears healthy, lots of cherry saplings underneath, few cherry
	Black Cherry	4		10	Ironwood	Medium	Variable	Variable	poles/logs. Thinned in 2009. Diameter ranges from 8-16", majority
					Wild Red Raspberry	High	5 - 10 feet	5 - 10 feet	around 10-14". Scattered open canopy spots, especially in the west half lots of cherry regen. Trace amounts of S maple sap/pole and ironwood. BA spins consistently in the 110-140 range.



Stan	d Level 4 C	over Type		Size Der	sity	Acres	Stand Age B	A Range	Managed Si	ite	General Comments		
26	4139 - Aspen,	4139 - Aspen, Mixed Deciduous Sapling Well 16.1 6 51-80 N/A				11/30/19 PH: Refuge Aspen #32-017-172015: Mostly 3-5 stick							
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	young aspen. 1" dbh sugar maple understory. Cherry,sugar maple, ironwood,elm mixed in. Diverse stand tending towards hardwood. 2015		
	Ironwood	7	Sapling	7		Iro	onwood	Medium	Variable	Variable	trillium, may apple. 2025: Cut in 2019, cut area is mainly 1" aspen with		
	Quaking Aspen	40	Log	1	6	Sug	gar Maple	Medium	Variable	Variable	mixed in S maple sap/pole/log, cherry sap/pole, elm pole, basswood		
	Black Cherry	20		10							Dole, ironwood sap/pole. North area of stand has the highest presence of residual overstory trees. Some topo, minor hills/slope. Scattered mo		
	Basswood	2		8							open canopy areas and pockets of raspberry, trace amounts of R map		
	Bigtooth Aspen	6	Log	1	6						and fir. Uncut area mainly the southern tip of the stand, mix of aspen		
	Sugar Maple	15		6	6						and maple poles.		
	American Elm	10	Seedling	8									
27	4139 - Aspen,	Mixed Deci	duous	Poletimbe	r Poor	61.1	45	1-50	N/A		2015 - Planted 30 red/burr oak along SE edge along plow line for		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	adjacent prescribed burn.OPIC - FMD: Sparse in areas. Grass areas filling in over the years. Most area trees 3-4 stick, some larger. Poor		
	Basswood	5		10		Re	ed Maple	Low	Variable	Variable	quality aspen showing hypoxylen. Some white pine, fir, cherry, ironwoo		
	Quaking Aspen	50		9	45	Ва	ılsam Fir	Low	5 - 10 feet	5 - 10 feet	and red maple in stand. 2015-A4U2025: Decently accurate above		
	Black Cherry	15		8		WI	hite Pine	Low	5 - 10 feet	5 - 10 feet	description. Aspen log presence more in SE corner of stand, some topography, hill with some slope also in the SE part of the stand. Trace		
	Red Maple	10		10		Blad	ck Cherry	High	Variable	Variable	amounts of S maple and B fir. Canopy is very open throughout the		
	White Spruce	5		12		Sug	gar Maple	Low	Variable	Variable	stand, areas of open grass and cherry shrub. Scattered regen pockets		
	White Pine	5		14		Iro	onwood	High	Variable	Variable	throughout, some scattered large W pine, pockets of heavy ironwo regen. Size and stocking variable throughout, overstory log trees		
	American Elm	10		8				'			scattered throughout open areas and areas of heavy regen. Mainly		
											aspen dominant, lots of scattered cherry throughout, sap/pole, few lamainly pole and sap sizes of trees throughout. Basically an old open that is filling in with trees.		
28	4130	- Aspen		Sapling	Well	36.6	6 I	Immature	N/A		11/30/19 PH: Refuge Aspen #32-017-172015: 2-3 stick aspen. Hypoxylen in most areas. Thick M3 in most areas red maple with some		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sugar. Aspen not good quality. Some of stand is hillside(ancient		
	Black Cherry	10	Sapling	5		Blad	ck Cherry	High	Variable	Variable	riverbank) and is younger aspen by about 10 years. 2015- 3-5' asper		
	Sugar Maple	5	Sapling	5		Ва	ılsam Fir	Low	Variable	Variable	of 2 size classes11" and up and 6-8"2025: Part of stand cut in 2019,		
	Red Maple	3	Log	1		Sug	gar Maple	Low	Variable	Variable	the cut area is now mainly aspen sap 1" with some maple sap/poles at cherry sap/poles, few scattered fir. The cut area had some residual po		
	Balsam Fir	2	Log	1		Re	ed Maple	Medium	Variable	Variable	cherry, aspen, elm, R maple, fir/spruce. The uncut retention area is		
	Quaking Aspen	80	Log	1	6						composed of mainly pole/sap aspen 6" avg, a good bit of pole/sap		
	Quaking Aspen 80 Log										cherry 7" avg, and R maple sap/pole 6" avg. Regen in uncut area is R maple sap med, Cherry sap low. Some larger 8-10" aspen/cherry and trace amounts of fir, elm, W pine, W spruce. Aspen in uncut area is mainly 2-3 sticks, some 4. The SW portion of the stand is a steeper hillside with sap/pole of R and S maple, cherry, and ironwood with son fir/cherry regen. The stand does have some scattered more open area		
29	4130	- Aspen		Sapling	Poor	10.1	30 I	Immature	N/A		2015 - planted 20 burr/red oak in open area, se portion of this stand.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Rocky soils.OPIC - FMD: This areas is coming into aspen from former open. Some of stand is scattered cherry. More well-stocked		
	Quaking Aspen	75	Sapling	6	30		ılsam Fir	Low	5 - 10 feet	5 - 10 feet	aspen east and more scattered cherry or upland brush west. 2015:		
											Version and the control of the contr		

High

Variable

Variable

Young aspen clones with upland brush..mostly cherry.2025: Above

sap/pole 6"avg with lots of cherry sap, some cherry pole.

comment from 2015 very accurate. Mostly open area with lots of cherry and some scattered aspen, few fir trees. Aspen is in scattered pockets, main aspen component along road in the north edge of the stand. Aspen

Black Cherry

Black Cherry

Sapling

25

6



Stand	tand Level 4 Cove			Size De	nsity	Acres Stand Age	BA Range	Managed 9	Site	General Comments	
30	4116 - Mixed N.	Hardwood ·	- Aspen	Poletimb	er Well	25.4 47	51-80	N/	A	OPIC - FMD: Mostly M6M3 just coming into pole size but areas of 2-3"	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	dbh sugar maple. Some aspen on east edge but mostly a young hardwood stand. A lot of sprout origin trees but good potential here for	
	White Spruce	3		10		Sugar Maple	High	Variable	Variable	hardwood management. Possible to clearcut and manage for aspen	
	Quaking Aspen	20		10		Balsam Fir	Low	Variable	Variable	too. Will take more than one thinning to see good improvement. BA low	
	Black Cherry	5	Seedling	8		Ironwood	Medium	Variable	Variable	in poles and overall too small yet for any cut. 2025: Aspen component heavier along stand edge next to opening and along the road. Mainly S	
	Sugar Maple	56		8	47		,			maple poles some logs, some basswood poles/logs, ironwood poles, Y	
	Balsam Fir	5	Seedling	6						birch pole/log, cherry pole, few large W spruce. Some topography in the	
	Yellow Birch	2		10						middle of the stand, minor hills/slope. Trace amounts of P birch. Variable BA throughout with size classes, scattered pole/log size trees	
	Ironwood	3	Seedling	6						among lots of saplings. Mainly M6/M3, lots of S maple saplings that are	
	Basswood	6		9						close to or at pole size with scattered mixed in larger timber, too small to cut yet.	
31	4130	- Aspen		Poletimb	er Well	86.7 36	51-80	N/.	A	OPIC - FMD: A5A3 average 4-6" dbh well-stocked mostly except for	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	some non-stocked wet swales and a few areas of cherry. Some areas are 2" dbh sugar maple. Some older residual hardwood. Fir mixed in	
	American Elm	3	Seedling	7		Sugar Maple	High	Variable	Variable	spots. Some white birch on old skid trails seeded in. Some areas still A3	
	Quaking Aspen	77	Sapling	7	36	Paper Birch	Low	Variable	Variable	4". Rubus ground cover.2025: Very accurate above comments. Aspen	
	Balsam Fir	3	Sapling	6		Balsam Fir	Low	Variable	Variable	pole dominant 6-8"avg, some diameter variability throughout sap/pole, mainly poles throughout across all species. Some mixed in cherry poles	
	Paper Birch	2	Sapling	6					1	scattered S maple pole trees, lots of S maple regen, few elm poles,	
	Black Cherry	10	Sapling	6						trace amounts of spruce/fir/P birch. Stand appears healthy and will mos	
	Sugar Maple	5	Sapling	7						likely be ready to harvest during the next inventory. Few scattered more open areas and some low more wet areas near the lowland stand in the	
32	211 - (Cropland		Nor	ne.	68.1		Ye	25	east and northeast, flooded out areas and ash swales. The conifer component and P birch component mainly followed the trails throughout the stand. 2015 - Sharecropper hay field was mowed. 35 burr and red oak trees	
32	2	oropiana		1101			- Donaite			were planted along the edge between Std 332 and Std 33.OPIC -	
						Sub-Canopy Specie Mixed Legumes	s Density	Avg. Height	Size	FMD: This area is intensively managed by wildlife division. Area divided	
						Mixed Grasses	High		Not Applicable	by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit F.2025: Accurate above comments. Several ponds	
						Wilked Grasses	nigri	Not Applicable	Not Applicable	within the opening, overall mainly grassland, few scattered shrubs/trees/brush.	
33	6128 - Lowland Dec	Coniferous, iduous	Mixed P	Poletimber	· Medium	n 27.6 125	51-80	N/.	A	OPIC - FMD: Beaver flooded area in past but now drained(spring 2005) Dead trees in those areas. Spring emerges from ground north and flows	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Specie	s Density	Avg. Height	Size	south to disappear back underground. Large flow of several gallons per minute. Early settlers modified spring origin with pipes still in place.	
	Black Spruce	11	Seedling	9		Tag Alder	Medium	5 - 10 feet	5 - 10 feet	Unique stream here protected by biodiversity stewardship designation.	
	Red Maple	8	Seedling	9		Balsam Fir	Medium	Variable	Variable	C6 and Q6 south in a few areas. Couple acres of upland 5-stick aspen	
	Balsam Poplar	8	Seedling	7			<u> </u>			¹ east side included. Overall stand is Q5.2025: Accurate above comments. Open water flowing during inventory, also large flooded out	
	Quaking Aspen	10	Seedling	7						areas with dead trees. Ok quality aspen in the N/NE, B poplar along	
No	rthern White Cedar	38		10	125					east edge. Dense cedar areas along the waters edge. Ok spruce/fir	
	Weeping Willow	5		10						component as well. Scattered P birch in areas. Area is very wet and site conditioned, also some scattered more open canopy areas due to	
	Balsam Fir	20		9							



Stand			Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
34	4110 - Sugar M	aple Association	Poletimber Well	11.1	111	81-110	N/A	4	OPIC - FMD: Trees are large with a lot of rot, cankers and other
	Canopy Species	% Cover Size Class	B DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	defects. Much pulp and low quality logs. Good den trees here. Hardwood right to basin edge. Regeneration is 8' tall well-stocked sugar
	Basswood	10	14	Lea	therwood	Low	5 - 10 feet	5 - 10 feet	maple. Decided to add to potential old growth or biodiversity
	Black Cherry	15	12	Sug	gar Maple	Medium	Variable	Variable	maintenance to provide good habitat for wood ducks or hooded
	Sugar Maple	75	12 111	Ва	ılsam Fir	Medium	5 - 10 feet	5 - 10 feet	mergansers next to the basin. 2015-retain as riparian stand for the above habitat reasons.2025: Hardwood stand that borders up to the
									basin. Quality is ok, some rotted out defect trees. S maple dominated pole/log with come cherry and basswood pole/log. Some fir regen and a good amount of S maple regen. Site conditioned for buffer protection/wildlife habitat/riparian area.
35	6229 - Mixed I	∟owland Shrub	None	2.0			No)	
36	2113 - For	age Crops	None	33.8			Ye	S	2015 - Mowed by sharecropper.OPIC - FMD: This area is intensively managed by Wildlife Division. Area divided by fields mostly hay cut at
				Sub-Ca	nopy Species	Density	Avg. Height	Size	times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit
				C	Clovers	Medium	Not Applicable	Not Applicable	M.2025: Accurate above comments. Open managed area, little to no
				Mixe	d Grasses	Medium	Not Applicable	Not Applicable	shrubs/brush.
37	211 - C	ropland	None	26.2			Ye	S	2015 - Mowed by sharecropper.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at
				Sub-Ca	nopy Species	Density	Avg. Height	Size	times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit
				Mixe	d Grasses	Full	Not Applicable	Not Applicable	E.2025: Above comments accurate, little to no brush shrubs, grass opening mainly.
38	31021 - Cool	Season Grass	None	30.1			Ye	<u> </u>	OPIC - FMD: This area is intensively managed by wildlife division. Area
30					nopy Species	Density		Size	divided by fields mostly hay cut at times beneficial to waterfowl.
					d Grasses	Full	Avg. Height Not Applicable		AuTrain Wildlife Refuge South Unit K.2025: Accurate above comments, managed grassland, little to no shrubs/brush.
39	3102 -	Grass	None	33.4			Ye	S	OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl.
				Sub-Ca	nopy Species	Density	Avg. Height	Size	AuTrain Wildlife Refuge South Unit J.2025: Accurate comments
				Spotte	d Knapweed	Medium	Not Applicable		above, stand is mainly open grassland, few brush/shrubs.
				Mixe	d Grasses	Medium	Not Applicable	Not Applicable	
40	31021 - Cool	Season Grass	None	33.0			Ye	s	2019 - Burned opening with adjacent stand 15.2015 - Sharecropper mowed south part of this opening. SE edge has red and burr oak
				Sub-Ca	nopy Species	Density	Avg. Height	Size	planted along edge.OPIC - FMD: This area is intensively managed
				Mixe	d Grasses	Full	Not Applicable	Not Applicable	by wildlife division. Area divided by fields mostly hay cut at times
									beneficial to waterfowl. AuTrain Wildlife Refuge South Unit I.2025: Accurate above description, mainly open grass/crop land, little to no shrubs/brush.
41	211 - C	ropland	None	29.6			Ye	s	2015 - Mowed in 2015 by sharecropper.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly
				Sub-Ca	nopy Species	Density	Avg. Height	Size	hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South
				Mixe	d Grasses	Medium	Not Applicable		Unit D.2205: Accurate above comments, managed grassland, little to
				Mixed	d Legumes	Medium	Not Applicable	Not Applicable	no shrubs/brush.



Stan	d Level 4 Cove	er Type		Size Density	Acres	Stand Age B	A Range	Managed S	Site	General Comments
42	211 - Cro	ppland		None	40.3			Ye	S	2015 - Frost seeded with clover by sharecropper. OPIC - FMD: This
					Sub-Cai	nopy Species	Density	Avg. Height	Size	area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge
					Mixed	Legumes	Full	Not Applicable	Not Applicable	South Unit A.2025: Accurate above comments.
					Mixed	d Grasses	Full	Not Applicable	Not Applicable	
43	211 - Cro	ppland		None	32.5			Ye	s	2015 - Mowed by sharecropper.OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at
					Sub-Car	nopy Species	Density	Avg. Height	Size	times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit
					Mixed	d Grasses	High	Not Applicable	Not Applicable	C.2025: Accurate above comments.
					Mixed	d Legumes	Low	Not Applicable	Not Applicable	
44	211 - Cro	pland		None	34.7			Ye	s	2015 - Frost-seeded and mowed in 2015 by sharecropper. OPIC - TFMD: This area is intensively managed by wildlife division. Area divided
					Sub-Car	nopy Species	Density	Avg. Height	Size	by fields mostly hay cut at times beneficial to waterfowl. AuTrain
					Mixed	d Grasses	Medium	Not Applicable	Not Applicable	Wildlife Refuge South Unit B.2025: Accurate above comments.
					С	Clovers	Medium	Not Applicable	Not Applicable	
45	500 - W	/ater		None	0.4			No)	OPIC - FMD: DNR made pond 1980's holds water most of year.2025: Small pond surrounded by some scattered low quality aspen, cherry, and P birch.
46	500 - W	/ater		None	1.6			No)	OPIC - FMD: DNR made pond 1980's, holds water most of the year.2025: Open pond area surrounded by aspen mainly with some scattered cherry and elm.
47	500 - W	/ater		None	1.2			No)	OPIC - FMD: DNR made pond, holds water most of the year.2025:
					Sub-Car	nopy Species	Density	Avg. Height	Size	Open pond area surrounded by willow and alder, lots of shrubs/brush surrounding the area.
						oing Willow	Low	Variable	Variable	Surrounding the area.
49	42300 - Plan	ited Larch	Po	letimber Medium	n 15.0	37	51-80	N//	Ą	A recent purchase from Plum Creek. Stand located within AuTrain
	Canopy Species %	6 Cover €	Size Class	DBH Age	Sub-Car	nopy Species	Density	Avg. Height	Size	Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of
	Quaking Aspen	5	Sapling	6 37	Blac	ck Cherry	Low	Variable	Variable	purchase, which was September 2014. Timber rights expire September
	Larch (non-native)	95	Sapling	7 37	Quak	ing Aspen	Low	Variable	Variable	2019. European larch planted by Plum Creek.2025: Tamarack poles mainly 6-8" avg, some smaller some larger, canopy is semi open,
										variable stocking in some areas and some openings. Some scattered aspen present as well. 2-3 stick average with the tamarack, trace amounts of cherry saplings and raspberry in the understory. Stand appears healthy overall, saw a few trees with some evidence of porcupine damage.
50	622 - Lowla	nd Shrub		None	20.3			No)	OPIC - FMD: Lowland brush with some marsh along Johnson creek.
					Sub-Cai	nopy Species	Density	Avg. Height	Size	
					Та	ıg Alder	Full	5 - 10 feet	5 - 10 feet	
								4	-	1



	d Level 4 C	over Type		Size Density	Acres	Stand Age B	A Range	Managed Si	te	General Comments	
51	4130	- Aspen	P	oletimber Mediu	um 0.8	37		N/A		A4T4A3 Stand was heavily defoliated 1-2 years ago and showing	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	some stress. Natural aspen with tamarack planted in the open areas. recent purchase from Plum Creek. Stand located within AuTrain	
	Black Cherry	30	Sapling	7	Ва	ılsam Fir	Low	Variable	Variable	Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The	
	Bigtooth Aspen	20	Sapling	6	Ame	erican Elm	Low	10 - 20 feet	10 - 20 feet	timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September	
	Quaking Aspen	50	Sapling	6 37	Blad	ck Cherry	Medium	Variable	Variable	2019. 2025: Aspen/cherry sap/pole stand, mainly poles 4-8". Canopy	
					Sug	gar Maple	Medium	Variable	Variable	is semi open in spots, some more open less stocked areas, trace	
										amounts of spruce/fir. Mainly aspen pole dominant with some mixed in cherry poles, S maple and cherry regen underneath the poles. Stand is surrounded by planted tamarack.	
52	4130	- Aspen		Sapling Well	3.4	6	51-80	N/A		A4T4A3 Stand was heavily defoliated 1-2 years ago and showing	
	Canopy Species	% Cover	Size Class	DBH Age						some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain	
	Black Cherry	20	Log	1						Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The	
	Quaking Aspen	55	Log	1 6						timber rights stay with Weyerhauser for five years from date of	
	Bigtooth Aspen	25	Log	1						purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested before Weyerhauser	
										larger scattered aspen/cherry 3-6", trace amounts of	
53	4130	- Aspen		Sapling Well	0.9	6	51-80	N/A		spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing	
53	4130 Canopy Species	- Aspen	Size Class	Sapling Well DBH Age		6 nopy Species	51-80 Density	N/A Avg. Height	Size	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A	
53			Size Class		Sub-Ca					spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The	
53	Canopy Species	% Cover		DBH Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of	
53	Canopy Species Quaking Aspen	% Cover 55	Log	DBH Age 1 6	Sub-Ca Sug Ame	nopy Species gar Maple	Density Trace	Avg. Height Variable	Size Variable	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September	
53	Canopy Species Quaking Aspen Black Cherry	% Cover 55 15	Log Log	DBH Age 1 6 2	Sub-Ca Sug Ame	nopy Species gar Maple erican Elm	Density Trace Trace	Avg. Height Variable 10 - 20 feet	Size Variable 10 - 20 feet	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of	
53	Canopy Species Quaking Aspen Black Cherry Bigtooth Aspen	% Cover 55 15 30	Log Log Log	DBH Age 1 6 2 1	Sub-Ca Sug Ame Ba	nopy Species gar Maple erican Elm	Density Trace Trace	Avg. Height Variable 10 - 20 feet	Size Variable 10 - 20 feet Variable	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Stand is A3 aspen mainly 1"avg, some scattered cherry. Few larger aspen/cherry poles. Trace amounts of fir, tamarack, and S maple. Canopy has some more open less stocked areas. OPIC - FMD: Hardwood left when aspen was cut, buffer stand for Johnson Creek. Large aspen. Some areas mostly aspen but most	
	Canopy Species Quaking Aspen Black Cherry Bigtooth Aspen 4191 - Mixed Uple Co Canopy Species	% Cover 55 15 30 and Deciduo	Log Log Log ous with	DBH Age 1 6 2 1 1 Sawtimber We	Sub-Ca Sug Ame Ba	nopy Species gar Maple erican Elm alsam Fir 105 nopy Species	Density Trace Trace Trace Trace Trace Trace	Avg. Height Variable 10 - 20 feet Variable N/A Avg. Height	Size Variable 10 - 20 feet Variable	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Stand is A3 aspen mainly 1"avg, some scattered cherry. Few larger aspen/cherry poles. Trace amounts of fir, tamarack, and S maple. Canopy has some more open less stocked areas. OPIC - FMD: Hardwood left when aspen was cut, buffer stand for Johnson Creek. Large aspen. Some areas mostly aspen but most hardwood. Thick fir understory in areas. Stand is in biodiversity	
	Canopy Species Quaking Aspen Black Cherry Bigtooth Aspen 4191 - Mixed Uplace Canopy Species Red Maple	% Cover 55 15 30 30 and Decidud onifer 45	Log Log Log ous with	DBH Age 1 6 2 1 1 Sawtimber We DBH Age 10 105	Sub-Ca Sug Ame Ba	nopy Species gar Maple erican Elm alsam Fir	Density Trace Trace Trace 81-110	Avg. Height Variable 10 - 20 feet Variable N/A	Size Variable 10 - 20 feet Variable	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Stand is A3 aspen mainly 1"avg, some scattered cherry. Few larger aspen/cherry poles. Trace amounts of fir, tamarack, and S maple. Canopy has some more open less stocked areas. OPIC - FMD: Hardwood left when aspen was cut, buffer stand for Johnson Creek. Large aspen. Some areas mostly aspen but most hardwood. Thick fir understory in areas. Stand is in biodiversity maintenance for protecting riparian values.2025: Small hdwd/conifer buffer strip that follows high ground ridge area before Johnson Creek.	
	Canopy Species Quaking Aspen Black Cherry Bigtooth Aspen 4191 - Mixed Uplactor Canopy Species Red Maple Balsam Fir	% Cover 55 15 30 30 30 30 30 30 30 3	Log Log Log Dus with Size Class	DBH Age	Sub-Ca Sug Ame Ba	nopy Species gar Maple erican Elm alsam Fir 105 nopy Species	Density Trace Trace Trace Trace Trace Trace	Avg. Height Variable 10 - 20 feet Variable N/A Avg. Height	Size Variable 10 - 20 feet Variable	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Stand is A3 aspen mainly 1"avg, some scattered cherry. Few larger aspen/cherry poles. Trace amounts of fir, tamarack, and S maple. Canopy has some more open less stocked areas. OPIC - FMD: Hardwood left when aspen was cut, buffer stand for Johnson Creek. Large aspen. Some areas mostly aspen but most hardwood. Thick fir understory in areas. Stand is in biodiversity maintenance for protecting riparian values.2025: Small hdwd/conifer buffer strip that follows high ground ridge area before Johnson Creek. Low quality hdwds, lots of small fir, some aspen, some very large	
	Canopy Species Quaking Aspen Black Cherry Bigtooth Aspen 4191 - Mixed Uplace Canopy Species Red Maple	% Cover 55 15 30 30 and Decidud onifer 45	Log Log Log bus with	DBH Age 1 6 2 1 1 Sawtimber We DBH Age 10 105	Sub-Ca Sug Ame Ba	nopy Species gar Maple erican Elm alsam Fir 105 nopy Species	Density Trace Trace Trace Trace Trace Trace	Avg. Height Variable 10 - 20 feet Variable N/A Avg. Height	Size Variable 10 - 20 feet Variable	spruce/fir/tamarack. Some more open canopy areas with less stocking present. A4T4A3 Stand was heavily defoliated 1-2 years ago and showing some stress. Natural aspen with tamarack planted in the open areas. A recent purchase from Plum Creek. Stand located within AuTrain Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire September 2019. 2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Stand is A3 aspen mainly 1"avg, some scattered cherry. Few larger aspen/cherry poles. Trace amounts of fir, tamarack, and S maple. Canopy has some more open less stocked areas. OPIC - FMD: Hardwood left when aspen was cut, buffer stand for Johnson Creek. Large aspen. Some areas mostly aspen but most hardwood. Thick fir understory in areas. Stand is in biodiversity maintenance for protecting riparian values.2025: Small hdwd/conifer buffer strip that follows high ground ridge area before Johnson Creek.	

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Anopy Species Balsam Fir /hite Spruce lack Cherry laking Aspen 4130 - Anopy Species Balsam Fir laking Aspen lack Cherry	5 3 22 70	Size Class Sapling Sapling Sapling Size Class Pole Sapling Sapling	DBH	56 Well	Sub-Car Quaki Bala Blac 75.2	56 sopy Species ng Aspen sam Fir k Cherry	51-80 Density Low Low Low 1-50	Avg. Height Variable Variable Variable N/A	Size Variable Variable Variable	OPIC - FMD: Like stand immediately west. Semi-open areas. Mostly 3 stick aspen. Young yet and not good quality aspen. Some hypoxylin. Some w. pine and j. pine in stand especially SE. Cut in 10-20 years. 2015-stand small, still not ready to harvestjust now transitioning to post stand.2025: Mainly pole aspen with some cherry poles, fairly open canopy, some scattered open spots with few trees. Aspen and cherry are variable in size 4-8", 2-3 sticks, some 4, most are 2 sticks. Few W spruce log trees, some spruce/fir and cherry in the understory. Most of the aspen is just at pole size or slightly larger, not of great quality, could be ready to harvest at time of next inventory.
Balsam Fir /hite Spruce lack Cherry laking Aspen 4130 - anopy Species Balsam Fir laking Aspen lack Cherry	5 3 22 70 - Aspen 5 80	Sapling Sapling Sapling Size Class Pole Sapling	6 10 7 6 Sapling DBH 4 6	56 Well	Quaki Bals Blac 75.2 Sub-Car	ng Aspen sam Fir k Cherry	Low Low Low	Variable Variable Variable	Variable Variable Variable	Some w. pine and j. pine in stand especially SE. Cut in 10-20 years. 2015-stand small, still not ready to harvestjust now transitioning to pistand.2025: Mainly pole aspen with some cherry poles, fairly open canopy, some scattered open spots with few trees. Aspen and cherry are variable in size 4-8", 2-3 sticks, some 4, most are 2 sticks. Few W spruce log trees, some spruce/fir and cherry in the understory. Most of the aspen is just at pole size or slightly larger, not of great quality, could
Ahite Spruce lack Cherry laking Aspen 4130 - anopy Species Balsam Fir laking Aspen lack Cherry	3 22 70 - Aspen 5 80	Sapling Sapling Size Class Pole Sapling	10 7 6 Sapling DBH 4 6	Well Age	Balace Blace 75.2 Sub-Care	sam Fir k Cherry	Low	Variable Variable	Variable Variable	2015-stand small, still not ready to harvestjust now transitioning to pustand.2025: Mainly pole aspen with some cherry poles, fairly open canopy, some scattered open spots with few trees. Aspen and cherry are variable in size 4-8", 2-3 sticks, some 4, most are 2 sticks. Few W spruce log trees, some spruce/fir and cherry in the understory. Most of the aspen is just at pole size or slightly larger, not of great quality, could
lack Cherry laking Aspen 4130 - anopy Species Balsam Fir laking Aspen lack Cherry	22 70 - Aspen	Sapling Size Class Pole Sapling	7 6 Sapling DBH 4 6	Well Age	75.2 Sub-Car	k Cherry	Low	Variable	Variable	canopy, some scattered open spots with few trees. Aspen and cherry are variable in size 4-8", 2-3 sticks, some 4, most are 2 sticks. Few W spruce log trees, some spruce/fir and cherry in the understory. Most of the aspen is just at pole size or slightly larger, not of great quality, could be a specific and cherry in the understory.
4130 - anopy Species Balsam Fir laking Aspen lack Cherry	70 - Aspen % Cover 5 80	Sapling Size Class Pole Sapling	Sapling DBH 4 6	Well Age	75.2 Sub-Ca r	35				are variable in size 4-8", 2-3 sticks, some 4, most are 2 sticks. Few W spruce log trees, some spruce/fir and cherry in the understory. Most of the aspen is just at pole size or slightly larger, not of great quality, cou
4130 - anopy Species Balsam Fir laking Aspen lack Cherry	- Aspen **Cover** 5 80	Size Class Pole Sapling	Sapling DBH 4 6	Well Age	Sub-Car		1-50	N/A		spruce log trees, some spruce/fir and cherry in the understory. Most of the aspen is just at pole size or slightly larger, not of great quality, could
Balsam Fir laking Aspen lack Cherry	% Cover 5 80	Pole Sapling	DBH 4 6	Age	Sub-Car		1-50	N/A		
Balsam Fir laking Aspen lack Cherry	% Cover 5 80	Pole Sapling	DBH 4 6	Age	Sub-Car		1-50	N/A		•
Balsam Fir laking Aspen lack Cherry	5 80	Pole Sapling	4 6			ony Species				OPIC - FMD: This stand harvested 1990 and this portion came back
laking Aspen lack Cherry	80	Sapling	6		D-1	iopy opecies	Density	Avg. Height	Size	well-stocked aspen 1" dbh but some areas are more poorly stocked. 2015-sugar maple site, with trillium, leatherwood.2025: Aspen
lack Cherry					Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet	sap/pole dominated 3-6" avg, lots of saplings on the verge of becomir
·	15	Sapling	5	35	Blac	k Cherry	Low	Variable	Variable	poles or just meet pole size, few larger aspen scattered. Lots of S
220 11-0			0		Suga	ar Maple	High	Variable	Variable	maple regen 1-2" saplings under the aspen, some cherry sap/pole present as well, some larger scattered cherry poles. Area has some
	land Shrub		Non		32.4			No		more open less stocked areas scattered throughout. Area also has scattered wet areas, mainly in the west half of the stand and larger we area in the SW finger of the stand. OPIC - FMD: This area harvested in 1990 was mostly hardwood.
320 - Opi	ianu Sinub		NOI	е						$_{ m I}$ Regeneration is poorly stocked cherry and red maple clumps with a fe
						opy Species	Density	Avg. Height	Size	sugar maple sprouts. A few aspen clones included all about 1" dbh.
						d Maple	Medium	Variable	Variable	Stand was harvested to provide wildlife values closer to waterfront.2025: Few areas of more well stocked aspen pockets
						<u> </u>				poletimber 6-8". Mainly aspen, cherry, and maple saplings, some
										spruce/fir. Scattered open areas of no trees and low stocked areas al
					DIAC	k Cherry	High	variable	variable	throughout. Some wet areas scattered throughout too. S maple reger med/high under the aspen, some dense areas. Overall lots of cherry brush with scattered aspen clumps and maple saplings.
	· .									2015 - palnted 30 red/burr oak along NE portion of this stand. OPIC This areas is coming into aspen from former open. Some of sta
										is scattered cherry. More well-stocked aspen east and more scattered
		· · ·		30						cherry or upland brush west. 2015-Young aspen clones with upland
						•				brushmostly cherry.2025: Some areas of larger pole aspen 8-12", overall young sap/pole aspen 4-6". Lots of S maple regen, some
										cherry/fir regen. Stand has some open areas and scattered gaps. Tra
		Seedling			Suga	ar Maple	High	Variable	Variable	amounts of overstory R maple clumps pole/log and some S maple
Red Maple	2		10							poles. Mainly A4/5 stand with scattered gaps and variable aspen sizes with a lot of S maple regen and some cherry regen.
4130 -	- Aspen				1.0	6	1-50	N/A		A4T4A3 Stand was heavily defoliated 1-2 years ago and showing
anopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size	some stress. Natural aspen with tamarack planted in the open areas. recent purchase from Plum Creek. Stand located within AuTrain
gtooth Aspen	30	Log	1				Trace	Variable	Variable	Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The
ıaking Aspen	50	Log	1	6	Suga	ar Maple	Trace	Variable	Variable	timber rights stay with Weyerhauser for five years from date of purchase, which was September 2014. Timber rights expire Septemb
lack Cherry	20	Log	2		Ame	rican Elm	Trace	10 - 20 feet	10 - 20 feet	2019. 2025: Stand must have been harvested by Weyerhauser before
la B u R	nopy Species aking Aspen ack Cherry alsam Fir gar Maple ed Maple 4130 nopy Species ooth Aspen aking Aspen	80 80	mopy Species % Cover Size Class aking Aspen 80 Sapling ack Cherry 12 Sapling alsam Fir 3 Sapling gar Maple 3 Seedling ed Maple 2 4130 - Aspen mopy Species % Cover Size Class ooth Aspen 30 Log aking Aspen 50 Log	Among Species % Cover Size Class DBH Jaking Aspen 80 Sapling 6 Jack Cherry 12 Sapling 6 Jack Cherry 12 Sapling 5 Jack Cherry 3 Sapling 5 Jack Cherry 3 Sapling 5 Jack Cherry 3 Sapling 8 Jack Cherry 4 10 3 Jack Cherry 4 3 Sapling 5 Jack Cherry 3 Sapling 5 3 Jack Cherry 3 Sapling 5 3 3 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 <td< td=""><td> Nopy Species % Cover Size Class DBH Age Sapling 6 30 Ack Cherry 12 Sapling 6 Ack Cherry 12 Sapling 5 Ack Cherry 3 Sapling 5 Ack Cherry 4130 - Aspen Sapling 8 Ack Cherry 4130 - Aspen Sapling Well Ack Cherry 12 Sapling 5 Ack Cherry 12 Sapling 5 Ack Cherry 14 Ack Cherry 15 Ack Cherry 16 Ack Cherry 16 Ack Cherry 16 Ack Cherry 16 Ack Cherry 17 Ack Cherry 17 Ack Cherry 17 Ack Cherry 18 Ack Cherry 18 Ack Cherry 19 Ack Cherry 19 Ack Cherry 10 Ack</td><td> Quaki Suga Blace Sub-Car </td><td>Quaking Aspen Sugar Maple Black Cherry 4130 - Aspen Poletimber Medium 44.4 30 Innopy Species % Cover Size Class Black Cherry Sub-Canopy Species Black Cherry 12 Sapling 6 30 Black Cherry 12 Sapling 6 Black Cherry Red Maple Blasam Fir 3 Sapling 5 Balsam Fir Balsam Fir Sugar Maple 10 4130 - Aspen Sapling Well 1.0 6 Sub-Canopy Species Sugar Maple Blasam Fir Sugar Maple Sugar Maple Blasam Fir Sugar Maple Sugar Maple Blasam Fir Sugar Maple Sub-Canopy Species Balsam Fir Sugar Maple Sub-Canopy Species Balsam Fir Sugar Maple</td><td>Quaking Aspen High Sugar Maple Medium Black Cherry High 4130 - Aspen Poletimber Medium 44.4 30 Immature Thopy Species % Cover Size Class DBH Age laking Aspen 80 Sapling 6 30 Black Cherry 12 Sapling 6 Black Cherry Medium Tack Cherry 12 Sapling 6 Red Maple Low Talsam Fir 3 Sapling 5 Balsam Fir Low Talsam Fir 3 Seedling 8 Sugar Maple High 4130 - Aspen Sapling Well 1.0 6 1-50 Thopy Species % Cover Size Class DBH Age laking Aspen 30 Log 1 Balsam Fir Trace Trace Isking Aspen 50 Log 1 6 Sugar Maple Trace</td><td>Quaking Aspen High Variable Sugar Maple Medium Variable Black Cherry High Variable ### High Variable Sugar Maple Medium Variable </td><td>Quaking Aspen High Variable Variable Sugar Maple Medium Variable Variable Black Cherry High Variable Variable 4130 - Aspen Poletimber Medium 44.4 30 Immature N/A nopy Species % Cover Size Class DBH Age alking Aspen 80 Sapling 6 30 Black Cherry Medium 5 - 10 feet 5 - 10 feet ack Cherry 12 Sapling 6 Red Maple Low Variable Variable alsam Fir 3 Sapling 5 Balsam Fir Low 5 - 10 feet 5 - 10 feet gar Maple 3 Seedling 8 Sugar Maple High Variable Variable 4130 - Aspen Sapling Well 1.0 6 1-50 N/A nopy Species % Cover Size Class DBH Age ooth Aspen 30 Log 1 6 Sugar Maple Trace Variable Variable Variable Sub-Canopy Species Density Avg. Height Size Sub-Canopy Species Density Avg. Height Size</td></td<>	Nopy Species % Cover Size Class DBH Age Sapling 6 30 Ack Cherry 12 Sapling 6 Ack Cherry 12 Sapling 5 Ack Cherry 3 Sapling 5 Ack Cherry 4130 - Aspen Sapling 8 Ack Cherry 4130 - Aspen Sapling Well Ack Cherry 12 Sapling 5 Ack Cherry 12 Sapling 5 Ack Cherry 14 Ack Cherry 15 Ack Cherry 16 Ack Cherry 16 Ack Cherry 16 Ack Cherry 16 Ack Cherry 17 Ack Cherry 17 Ack Cherry 17 Ack Cherry 18 Ack Cherry 18 Ack Cherry 19 Ack Cherry 19 Ack Cherry 10 Ack	Quaki Suga Blace Sub-Car	Quaking Aspen Sugar Maple Black Cherry 4130 - Aspen Poletimber Medium 44.4 30 Innopy Species % Cover Size Class Black Cherry Sub-Canopy Species Black Cherry 12 Sapling 6 30 Black Cherry 12 Sapling 6 Black Cherry Red Maple Blasam Fir 3 Sapling 5 Balsam Fir Balsam Fir Sugar Maple 10 4130 - Aspen Sapling Well 1.0 6 Sub-Canopy Species Sugar Maple Blasam Fir Sugar Maple Sugar Maple Blasam Fir Sugar Maple Sugar Maple Blasam Fir Sugar Maple Sub-Canopy Species Balsam Fir Sugar Maple Sub-Canopy Species Balsam Fir Sugar Maple	Quaking Aspen High Sugar Maple Medium Black Cherry High 4130 - Aspen Poletimber Medium 44.4 30 Immature Thopy Species % Cover Size Class DBH Age laking Aspen 80 Sapling 6 30 Black Cherry 12 Sapling 6 Black Cherry Medium Tack Cherry 12 Sapling 6 Red Maple Low Talsam Fir 3 Sapling 5 Balsam Fir Low Talsam Fir 3 Seedling 8 Sugar Maple High 4130 - Aspen Sapling Well 1.0 6 1-50 Thopy Species % Cover Size Class DBH Age laking Aspen 30 Log 1 Balsam Fir Trace Trace Isking Aspen 50 Log 1 6 Sugar Maple Trace	Quaking Aspen High Variable Sugar Maple Medium Variable Black Cherry High Variable ### High Variable Sugar Maple Medium Variable	Quaking Aspen High Variable Variable Sugar Maple Medium Variable Variable Black Cherry High Variable Variable 4130 - Aspen Poletimber Medium 44.4 30 Immature N/A nopy Species % Cover Size Class DBH Age alking Aspen 80 Sapling 6 30 Black Cherry Medium 5 - 10 feet 5 - 10 feet ack Cherry 12 Sapling 6 Red Maple Low Variable Variable alsam Fir 3 Sapling 5 Balsam Fir Low 5 - 10 feet 5 - 10 feet gar Maple 3 Seedling 8 Sugar Maple High Variable Variable 4130 - Aspen Sapling Well 1.0 6 1-50 N/A nopy Species % Cover Size Class DBH Age ooth Aspen 30 Log 1 6 Sugar Maple Trace Variable Variable Variable Sub-Canopy Species Density Avg. Height Size



Stand	d Level 4 C		Size Densit	Acres	Stand Age BA R		inge	Managed Site		General Comments A recent purchase from Plum Creek. Stand located within AuTrain				
61	42300 - Planted Larch		h Po	Poletimber Medium		1.0 37					51-8	80		
	Canopy Species	% Cover	Size Class	DBH Age		Sub-Ca	nopy Species	s De	Density	Avg. Height	Size	Waterfowl Refuge. Weyerhauser purchased Plum Creek in 2016. The timber rights stay with Weyerhauser for five years from date of		
L	Larch (non-native)	95	Sapling	7 3	7	Qual	ing Aspen		Low	Variable	Variable	purchase, which was September 2014. Timber rights expire September		
	Quaking Aspen 5 Sapling		Sapling	6 37	7	Black Cherry			Low	Variable	Variable	2019. European larch. 2025: Tamarack poles mainly 6-8"avg, some		
												smaller some larger. Canopy has some semi open areas with variable stocking. Some scattered aspen present. 2-3 stick avg for tamarack, trace amounts of cherry saplings and raspberry in understory. Stand appears healthy overall.		
62	4130	- Aspen		Sapling Well		20.4	10	Imma	Immature	N/A		2025: Stand must have been harvested by Weyerhauser before their timber rights expired in 2019. Old paint lines still visible. Stand is mainly Aspen saplings 2-3"avg, with some scattered cherry sap 3"avg. There		
	Canopy Species % Cover		Size Class	DBH Ag	е									
	Black Cherry	20	Log	3								was some larger scattered pole sized aspen and cherry. Canopy has		
	Quaking Aspen	50	Log	2 10)							some open areas of less stocking. Regen is noticeably larger in this stand compared to the nearby A2 stands in the west. Regen in this		
	Bigtooth Aspen	30	Log	2								stand compared to the hearby A2 stands in the west. Regen in this stand is variable throughout 1-3" with scattered pole sized trees throughout. Few scattered spruce/fir, lots of cherry clumps, trace amounts of S maple and overstory fir/spruce.		
400	310 - Herbaceous Openland			None		7.9				No		OPIC - FMD: grass opening filling in a little bit but some beaver activity as well on island between forks of Johnson creek.2025: Above comments accurate, stand is isolated and surrounded by water, unable to get boots on the ground.		
401	310 - Herbaceous Openland			None		4.6				No		2015 - planted 45 red/burr oak within this stand.OPIC - FMD: Open area probably old pasture or other agricultural field from homestead days. Filling in with trees on edges.2025: Mainly open area with some scattered trees, mainly cherry/spruce/fir, some poles mainly saplings. Trace amounts of red maple and white pine.		
402	310 - Herbaceous Openland			None		1.2				No		2015: Small opening filling in.2025: Accurate above comment, really starting to fill in with trees, scattered Red maple, cherry, birch, fir.		
404	310 - Herbaceous Openland			None	ne 1.3				No			2015: Small forest opening filling in.2025: Small opening filling in with scattered cherry, red maple, fir, birch.		
405	5 310 - Herbaceous Openland			None		0.8				No		OPIC - FMD: OI Stand Year Origin was 2025: Small open area with trail running thru it, scattered cherry, fir, and red maple, trees encroaching.		
407	7 310 - Herbaceous Openland N			None		0.7				No		Small forest opening.2025: Small opening that is starting to fill up with trees, good number of trees encroaching in and starting to fill the opening.		

Gwinn Mgt. Unit



Stand	Level 4 Cover Type	Size Density	Acres Stand Age B.	cres Stand Age BA Range		Site	General Comments OPIC - FMD: Mostly scattered cherry. Other trees invading. Would like to burn this some time this next entry period to maintain in an open condition. Central area of stand (Burn Unit 4) was treated with a Rx Burn (FTP #F32-648) on September 10, 2011. Three other burn units within this stand remain unburned (Units 1, 2 and 5), though control lines are in place. Mop-up and monitoring occurred on September 11, 2011. 2015-Grass opening converting to upland brush. Knapweed throughout. Additional burning of this stand will only hasten the conversion to brush.2025: Very open, lots of scattered cherry, some aspen, turning into more brush than grass. Mainly cherry saplings with scattered spruce/fir.
408	310 - Herbaceous Openland	None	250.6	Ye	s		
409	211 - Cropland	None	36.3		Ye	s	13 acres rocked raked and planted to clover. Oat were seed drilled in
			Sub-Canopy Species	Density	Avg. Height	Size	2015. 130 red/burr oaks planted in along the east perimeter and area not sharecropped in 2015.OPIC - FMD: This area is intensively
			Mixed Grasses	Full	Not Applicable	Not Applicable	managed by wildlife division. Area divided by fields mostly hay cut at
			Oak (spp.)	Low	5 - 10 feet	5 - 10 feet	times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit
			Mixed Legumes	Low	Not Applicable	Not Applicable	H.2025: Accurate above comments, mainly open area, few scattered trees mainly along stand edges and in the NW.
			White Spruce	Low	5 - 10 feet	5 - 10 feet	
410	310 - Herbaceous Openland	None	117.0	Yes		OPIC - FMD: Mostly scattered cherry. Other trees invading. Would like to burn this some time this next entry period to maintain in an open condition. 2015-Grass opening converting to upland brush. Knapweed throughout. Additional burning of this stand will only hasten the conversion to brush.2025: Accurate comments above. Classic opening, scattered aspen, cherry, spruce/fir, trace amounts of W pine. Mostly cherry overall with lots of other scattered trees/brush/shrubs.	
412	310 - Herbaceous Openland	None	34.3		Yes		OPIC - FMD: This area is intensively managed by wildlife division. Area divided by fields mostly hay cut at times beneficial to waterfowl. AuTrain Wildlife Refuge South Unit L. Very poor soils with soils described as cobbly.2025: Open, good amount of small spruce/aspen/cherry scattered.
413	310 - Herbaceous Openland	None	53.4		Ye	s	OPIC - FMD: Mostly scattered cherry. Other trees invading. Would like to burn this some time this next entry period to maintain in an open condition. 2015-Grass opening converting to upland brush. Knapweed throughout. Additional burning of this stand will only hasten the conversion to brush.2025: Above description accurate. Mostly scattered cherry, some spruce/fir, trace amount of W pine, aspen. Mainly still an open area, trees encroaching in areas and some more dense brush/shrub areas.