

Compartment Review Presentation

Gwinn Forest Management Unit

Compartment 32070 Entry Year 2025 Acreage: 2,238

County Marquette

Management Area: Menominee-Marquette

Stand Examiner: Eric Brolin

Legal Description:

T43N-R25W, Sections 27, 28, 29, 30, 31,32,33.

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:

Terrain ranges from level swamps and wetland drainages to rolling and slightly hilly uplands. Major soil types are Emmet and Summerville fine sandy loams, Carbondale and Tawas muck soils, Mashek and Northland fine sandy loams, Escanaba loamy sand, Cathro-Ensly mucks.

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

State lands to the north and east with private south and west. There is a large private captive cervid and hog operation that borders this compartment in the southeast.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

Large deer wintering complex.

Watershed and Fisheries Considerations:

NLMMU – John Bauman: The northwest region of this compartment contains headwater regions of Lone Pine Creek. Lone Pine Creek is a designated Type 1 trout stream less than 50 foot wide with a predicted mean July temperature of 63.9 °F (cold stream). A 300-foot buffers is recommended for Lone Pine Creek in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100-foot, plus 5 feet per 1% increase in slope, buffer 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, Golden-winged Warbler, Black-backed Woodpecker, Ruffed Grouse, Turkey, American Marten, Snowshoe Hare, White-tailed Deer, Black Bear.

Mineral Resource and Development Concerns and/or Restrictions

Sections 31 - 33, T43N-R25W, Marquette County

Surface sediments consist of medium-textured till (drumlin area). The glacial drift thickness varies between 10 and 50 feet. The Ordovician Prairie du Chien Group subcrops below the glacial drift, and could be used for stone. Gravel pits are located in this area and there is potential especially the upland areas. Abandoned iron mines are located eleven miles to the north. Section 33 was previously leased for metallic exploration. There is no economic oil and gas production in the UP.

Vehicle Access:

Access is excellent from Little West Road, Co. Road SAH, Mashek Grade, and numerous 2-tracks.

Survey Needs:

Some survey needs for proposed treatments across this Compartment.

Recreational Facilities and Opportunities:

This is a good hunting area for grouse and whitetail deer. With the excellent access, it receives a lot of public hunting pressure.

Fire Protection:

This compartment has a low risk for fire and access is good.

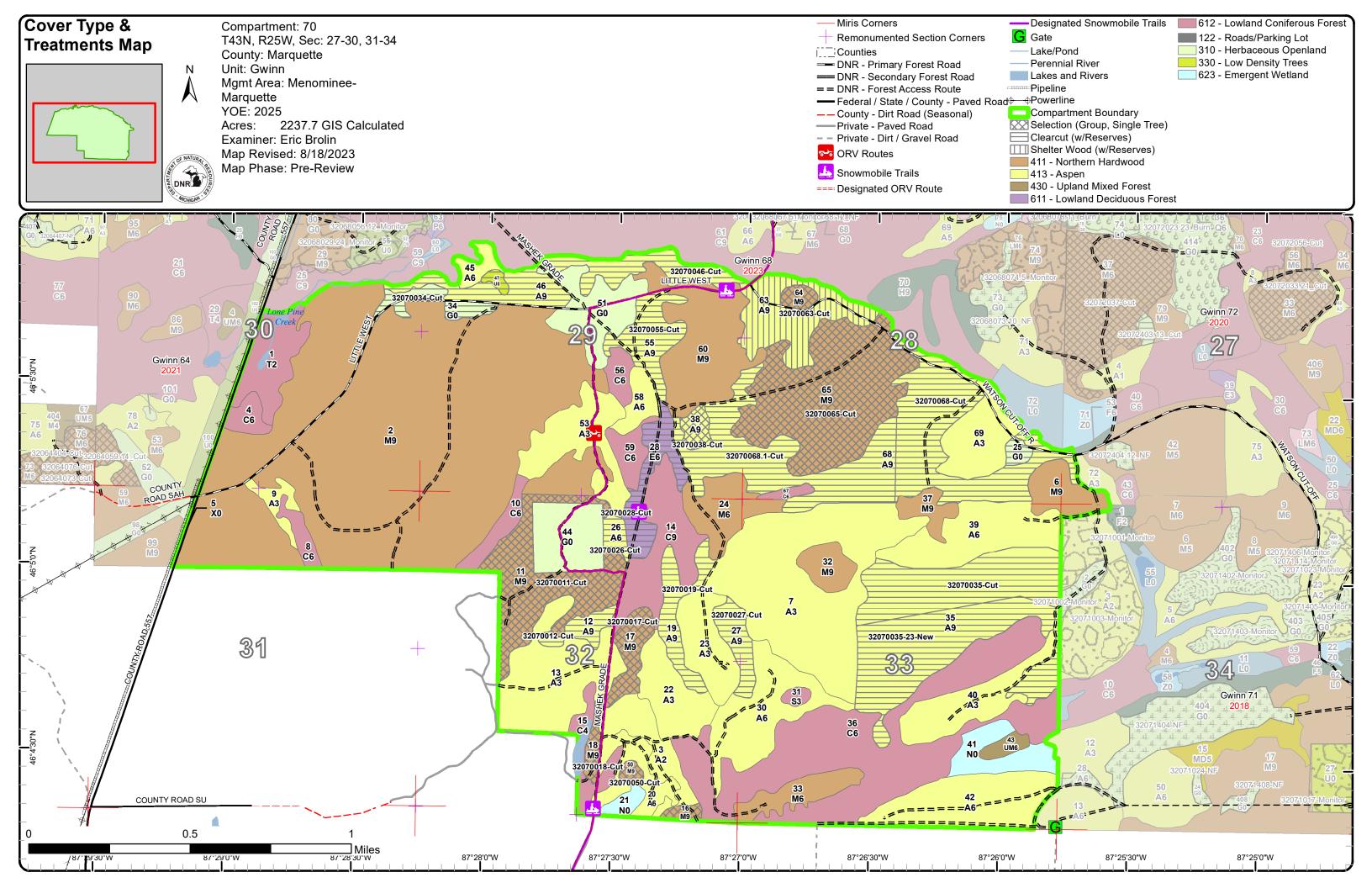
Additional Compartment Information:

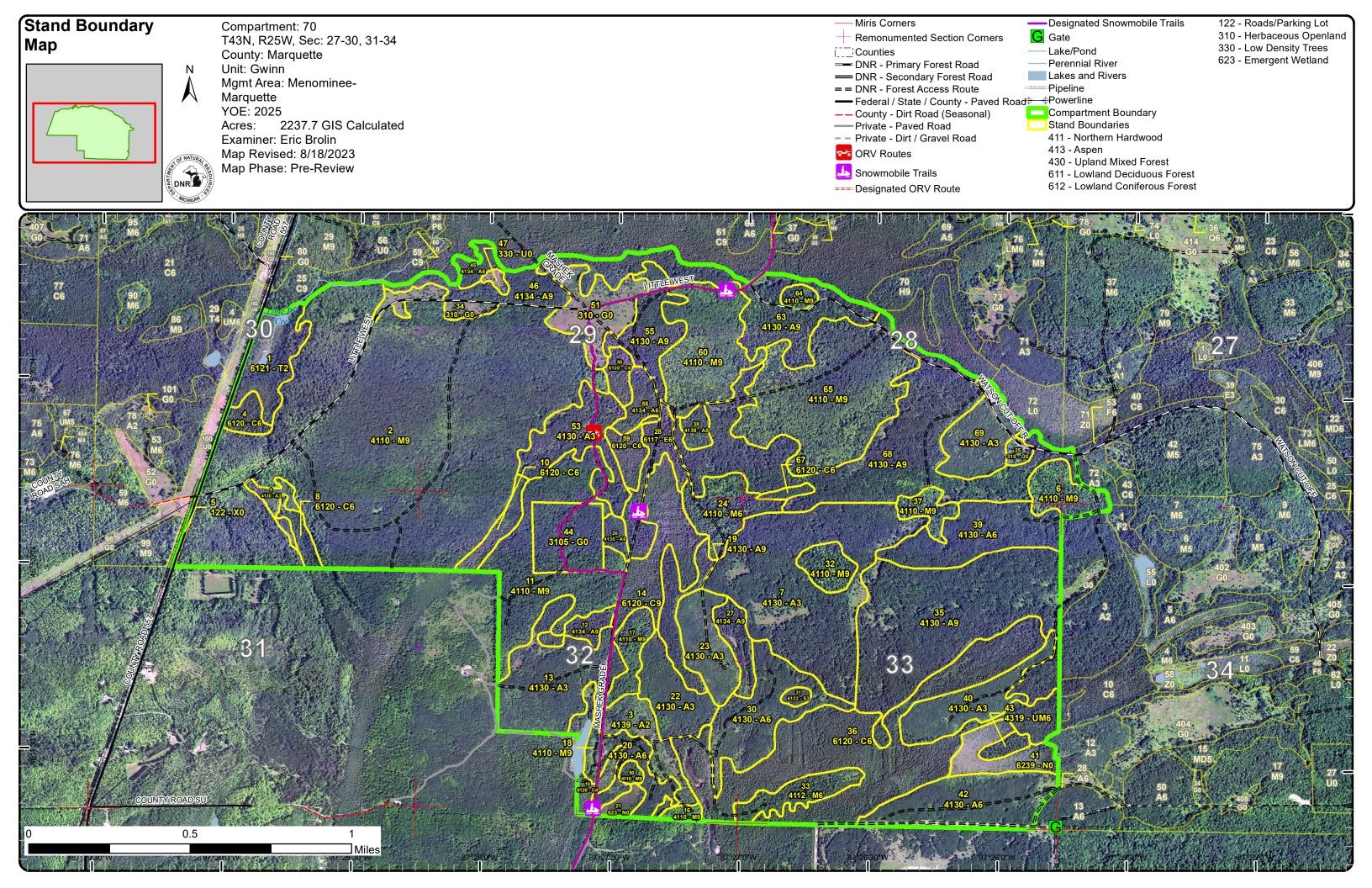
The following reports from the Inventory are attached:

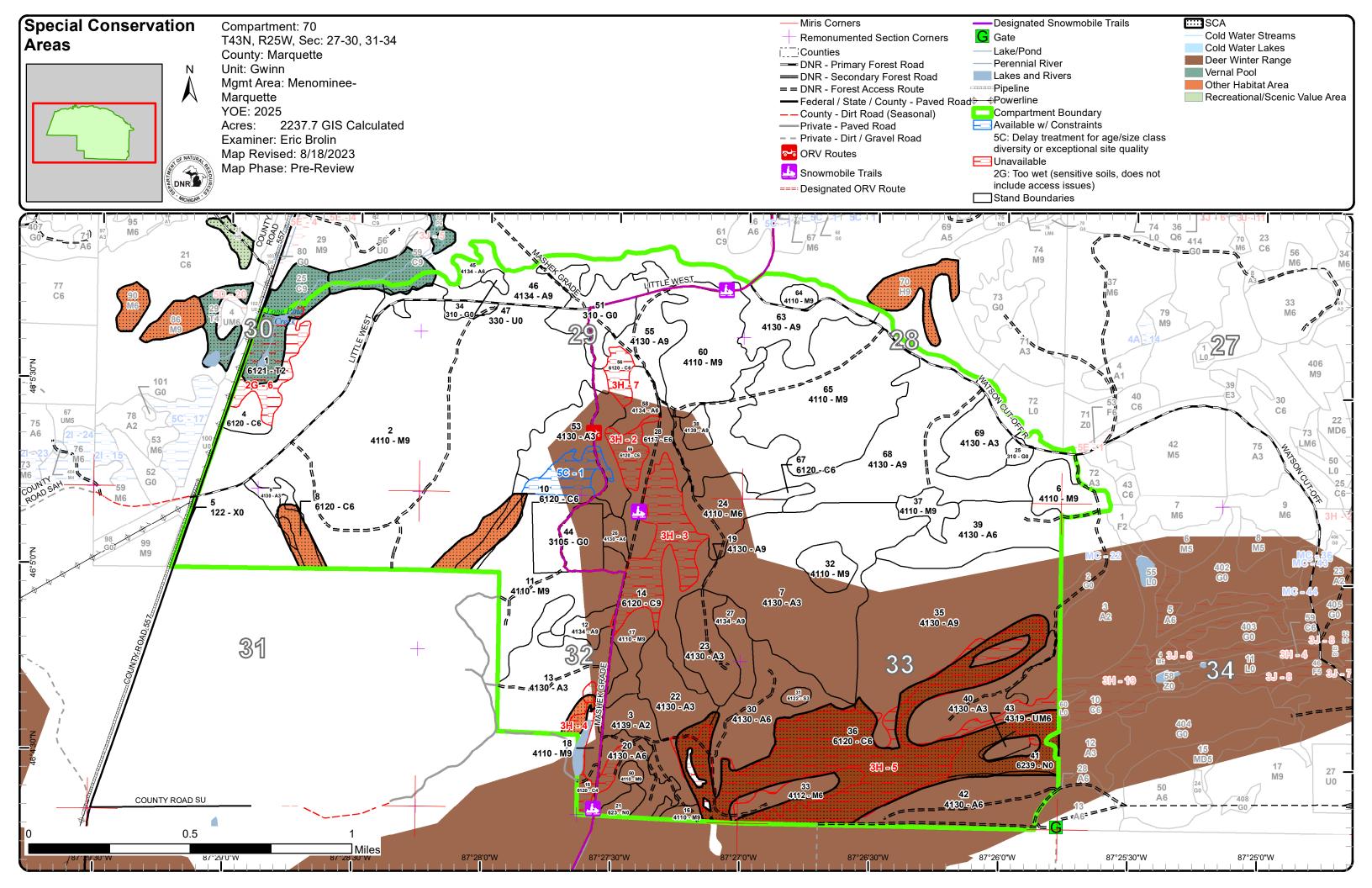
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

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 **Eric Brolin: Examiner**



Age Class

	/	/ \$ /	/ /	/ /	/ /	/	/ /	/	/ /	/ /	/ /	/	_ /	_ /	/ /	/	/ /	/ /	
			§ / s		r	3 /	kg / kg	³ /s	8/8	§\\&	\$ / &			§ / É		§ / s		ş* / §	TO TO SERVICE STATE OF THE PERSON SERVICE STATE STATE STATE SERVICE STATE STATE STATE SERVICE STATE STATE SERVICE STATE STATE STATE STATE SERVICE STATE ST
	\ 2 6		/ "	/ "	/ "	/	/ "	/ `	/ `	/ ~	/ "	/ %		/ ~	/ ~	/ ×	/ `	135	
Aspen	0	166	110	85	191	0	421	0	22	0	0	0	0	0	0	0	0	0	995
Cedar	0	0	0	0	0	0	0	0	0	0	0	253	0	0	0	0	0	0	253
Herbaceous Openland	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	77
Low-Density Trees	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Lowland Deciduous	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	0	0	0	22
Lowland Spruce/Fir	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Marsh	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Northern Hardwood	0	0	0	0	0	0	0	0	0	26	3	265	0	0	0	0	0	532	826
Tamarack	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	0	29
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	0	0	5
Urban	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Total	105	166	110	85	194	0	421	0	51	53	3	518	0	0	0	0	0	532	2238



Report 2 - Treatment Summary

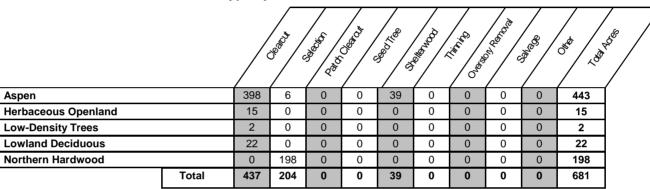
Gwinn Mgt. Unit Year of Entry: 2025

Acres of Harvest

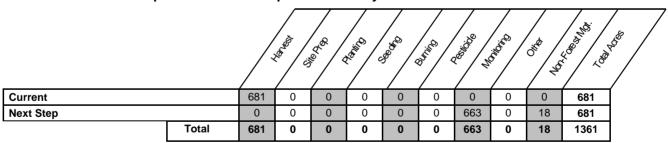
Compartment 70
Total Compartment Acres: 2,238

Commercial Harvest - 680 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method





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

Proposed Treatments:

1132070011-Cut59.3 4110 - Sugar MapleSawtimber10981-110HarvestSingle Tree411 - NorthernUneven-NoAssociationWellSelectionHardwoodAged

Prescription Mark stand to 70 - 90 BA. Focus on creating canopy gaps to establish regeneration. Remove all merchantable spruce/fir. Leave some large

Specs: future snag trees for wildlife. Leave cedar, hemlock, pine, and yellow birch. Favor species diversity while marking.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

S

Other Winter harvest for winter deer range. Protect maple saplings.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

12 32070012-Cut 8.9 4134 - Aspen, Sawtimber 70 81-110 Harvest Clearcut 4319 - Mixed Even-Aged No Spruce/Fir Well Upland Forest

Prescription Harvest to a 2" spec. to promote regeneration. Retention should include large diameter, forked crown aspen. Leave cedar, hemlock, and

Specs: pine

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, hardwood, conifer

Regen:

Other Winter harvest for winter deer range. No retention due to small size.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

16 32070016-Cut 3.4 4110 - Sugar Maple Sawtimber 90 111- Harvest Single Tree 411 - Northern Uneven-No Association Well 140 Selection Hardwood Aged

Prescription Mark stand to 70 - 90 BA. Focus on creating canopy gaps to establish regeneration. Remove all merchantable spruce/fir. Leave some large

Specs: future snag trees for wildlife. Leave cedar, hemlock, and pine. Favor species diversity while marking.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

Other Winter harvest for deer winter range.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

17 32070017-Cut 14.3 4110 - Sugar Maple Sawtimber 109 111- Harvest Single Tree 411 - Northern Uneven-No Association Well 140 Selection Hardwood Aged

Prescription Mark stand to 70 - 90 BA. Focus on creating canopy gaps to establish regeneration. Remove all merchantable spruce/fir. Leave some large

Specs: future snag trees for wildlife. Leave cedar, hemlock, pine, and yellow birch. Favor species diversity while marking.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

Other Winter harvest for winter deer range. Protect large maple saplings.

Comment:

Site Condition

Prescription Harvest to a 2" spec. to promote regeneration. Retention should include large diameter, forked crown aspen. Leave cedar, hemlock, and

Specs:

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Acceptable aspen, hardwood

Regen:

Winter harvest for winter deer range. No retention due to small size. **Other**

Comment:

Site Condition

<u>Prescription</u> Harvest to a 2" spec. to promote regeneration. Retention should include large diameter, forked crown aspen. Leave cedar, hemlock, and <u>Specs:</u> pine.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen

Regen:

Other Winter harvest for deer winter range.

Comment:

Site Condition

Winter harvest for winter deer range. Focus on marking larger diameter, declining aspen. This treatment is to help encourage conversion to a

Site Condition

Proposed Start Date: 10/1 /2024

32070046-Cut 45.8 4134 - Aspen. Sawtimber 58 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Spruce/Fir Well Retention

Prescription Harvest all merchantable trees except for cedar, hemlock, and pine. Retention should include large diameter, forked crown aspen.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, conifer, hardwood

Regen:

Push stands to cedar along the north edge. Include any patches of lowland conifer/hardwood where cedar is not too dense to operate. Other

Comment: Leaving unmerchantable trees here will create a more diverse stand of aspen, hardwood, and conifer mix. Protect maple saplings.

Site Condition

Proposed Start Date: 10/1 /2024

2.3 330 - Low-Density Nonstocked 310 -32070047-Cut Harvest Clearcut No Herbaceous Openland

Prescription Harvest to a 2" spec to maintain a managed opening.

Specs:

Next Step NonForestMgt, Fruit Tree/Shrub Planting

Treatments:

Acceptable managed opening

Regen:

Other Comment:

Site Condition

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

Other Winter harvest for deer winter range.

Comment:

Site Condition

Proposed Start Date: 10/1 /2024

55 32070055-Cut 23.1 4130 - Aspen Sawtimber 55 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention

Prescription Harvest to a 2" spec. to promote regeneration. Retention should include large diameter, forked crown aspen. Leave basswood, cedar,

Specs: hemlock, and pine.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen, conifer, hardwood

Regen:
Other
Comment:

Site Condition

Proposed Start Date: 10/1 /2024

63 32070063-Cut 39.1 4130 - Aspen Sawtimber 58 81-110 Harvest Shelterwood 411 - Northern Uneven-Well Hardwood Aged

Prescription Remove all merchantable aspen and spruce/fir while leaving hardwood species to encourage conversion to a northern hardwood stand. Only

<u>Specs:</u> remove hardwood if needed for operability.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:

Other Protect maple saplings. This should be well communicated during timber sale administration. No retention for conversion to purer northern

Comment: hardwood stand.

Site Condition

Proposed Start Date: 10/1 /2024

64 32070064-Cut 4.4 4110 - Sugar Maple Sawtimber 107 111- Harvest Single Tree 411 - Northern Uneven-Association Well 140 Selection Hardwood Aged

Prescription Mark stand to 70 - 90 BA. Focus on creating canopy gaps to establish regeneration. Remove all merchantable spruce/fir. Leave some large

Specs: future snag trees for wildlife. Leave cedar, hemlock, and pine. Favor species diversity while marking.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwood

Regen:
Other
Comment:

Site Condition

Gwinn Mgt. Unit Report 3 -- Treatments Compartment: 70 s Year of Entry: 2025 t а Treatment BA **Treatment Cover Type** Acres Stand Size Stand **Treatment** Age Habitat n Name Method Objective CoverType Density Age Range Type Structure Cut d Single Tree 32070065-Cut 108.3 4110 - Sugar Maple Sawtimber 65 107 111-Harvest 411 - Northern Uneven-Nο Selection Hardwood Association 140 Aged Prescription Mark stand to 70 - 90 BA. Focus on creating canopy gaps to establish regeneration. Remove all merchantable spruce/fir. Leave some large future snag trees for wildlife. Leave cedar, hemlock, and pine. Favor species diversity while marking. Specs: Monitoring, Natural Regen (Re-Inventory) Next Step Treatments: Acceptable northern hardwood Regen: Other Comment: Site Condition Proposed Start Date: 10/1 /2024 68 32070068.1-71.2 4130 - Aspen Sawtimber 55 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention Cut Prescription Harvest to a 2" spec. to promote regeneration. Retention should include large diameter, forked crown aspen. Leave basswood, black cherry, cedar, hemlock, pine, and white spruce. Specs: Next Step Monitoring, Natural Regen (Re-Inventory) Treatments: Acceptable aspen, conifer Regen: **Other** Comment: Site Condition Proposed Start Date: 10/1 /2024 32070068-Cut 71.9 4130 - Aspen Sawtimber 55 81-110 Harvest Clearcut with 413 - Aspen Even-Aged No Well Retention Prescription Harvest to a 2" spec. to promote regeneration. Retention should include large diameter, forked crown aspen. Leave basswood, black cherry, Specs: cedar, hemlock, pine, and white spruce. Next Step Monitoring, Natural Regen (Re-Inventory)

Total Treatment 680.5 Acreage Proposed:

Acceptable aspen, conifer

Proposed Start Date: 10/1 /2028

Treatments:

Regen:
Other
Comment:
Site Condition

Compartment: 70

Gwinn Mgt. Unit

Eric Brolin : Examiner Year of Entry: 2025

Availability for Management Total Acres Available With Condition Not Available 5C 2G 3H

Acies	Available	With Condition	NOT Available		30	20	311
995	995	0	0	Aspen			
253	28	0	224	Cedar			224
76	76	0	0	Herbaceous Openland			
2	2	0	0	Low-Density Trees			
22	22	0	0	Lowland Deciduous			
3	3	0	0	Lowland Spruce/Fir			
25	25	0	0	Marsh			
826	811	15	0	Northern Hardwood	15		
29	0	0	29	Tamarack		29	
5	5	0	0	Upland Mixed Forest			
1	1	0	0	Urban			
2,238	1,969	15	254	Total Forested Acres	15	29	224
·	88%	1%	11%	Relative Percent		·	

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

Available	5C: Delay treatment for age/size class diversity or	15	Unspecified	Unspecified	Unspecified	Unapposition
	exceptional site quality			,	Onspecified	Unspecified
i ments: ned in 2020. Ex	clude from this YOE treatmen	t.				
Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	10	Unspecified	Unspecified	Unspecified	Unspecified
	Jnavailable ments:	Unavailable 3H: Deer Wintering Area - habitat is incompatible with harvest at this time	habitat is incompatible with harvest at this time ments:	Unavailable 3H: Deer Wintering Area - 10 Unspecified habitat is incompatible with harvest at this time	Unavailable 3H: Deer Wintering Area - 10 Unspecified Unspecified habitat is incompatible with harvest at this time ments:	Unavailable 3H: Deer Wintering Area - 10 Unspecified Unspecified Unspecified Unspecified with harvest at this time ments:

Report 4 – Site Conditions

Gwinn Mgt. Unit Eric Brolin : Examiner Compartment: 70 Year of Entry: 2025

3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	40	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cedar in deer winte	ering area.					
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	14	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cedar in deer winte	ering area.					
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	154	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cedar in deer winter	ering area.					
6	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	29	5D: Unproductive Forest Land	Unspecified	Unspecified	Unspecified
	Comments: Sparse flooded low	land.					
7	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Cedar in deer winter	ering area.					

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Mgt. Unit

Compartment: #Type! Year of Entry:

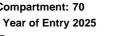


Report 5 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* 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				

Gwinn Mgt. Unit Compartment: 70





Report 6 - EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Habitat Area	An area that provide some specific need for the life cycle and Waterfowl Production Areas, deer wintering complopenings and savannas. Habitat areas are distinct from endangered or threatened species (such as Kirtland's vigeneral in nature, are not primarily associated with threatened by species recovery plans that are developed	exes in lowland conifer communities, grassland n critical habitat designated for recovery of warbler or piping plover areas) in that they are more extended or endangered species, and are not

7 – Stands Compartment: 70 Year of Entry: 2025

	OEPARTME	DNR
SHIO		MICHIGAN

and	Level 4 Co	over Type	S	ize De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
1	6121 - 7	Tamarack	Sa	apling I	/ledium	29.3	73	1-50	N/A		Flooded marsh of lowland conifer saplings. Mature timber shown in
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	canopy is a very narrow strip along the east hardwood edge transition. Some of this area could be managed in the future with adjacent harve
No	rthern White Cedar	5	Pole/Log	9		Ва	lsam Fir	Medium	Variable	Sapling	Come of this area sould be managed in the fatore with adjacent harve
	Balsam Fir	15	Pole	8		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	OPIC - FMD: some small tamarack and spruce seeding in 2" dbh. Ald
	Tamarack	52	Sapling/Pole	3	73						too and marsh grass. Riparian area with pond and lone pine creek protected with biodiversity stewardship stand. 2015-agreed.
	Black Spruce	10	Pole	5							protected with blodiversity stewardship stand. 2015 agreed.
	Quaking Aspen	10	Log/Pole	12							
	Paper Birch	8	Pole/Log	9							
2	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well	467.8	107	81-110	N/A		Good quality hardwood log stand. Entire area was thinned around 202
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Stands were merged together to be managed at the same time in the future. Small patches with more aspen scattered within.
	Yellow Birch	3	Log/Pole	13		Sug	gar Maple	Low	Variable	Sapling	Tataro. Oman patorico war more asport souttered warm.
	Hemlock	1	XLog/Log	18		Ire	onwood	Low	Variable	Sapling	North - Sale # 32-016-17 Big West completed 2021.
	Black Cherry	2	Pole	8		Ва	lsam Fir	Trace	Variable	Sapling	South - Completed in 2019.
	Sugar Maple	72	Log/Pole/XLog	14	107						
	White Pine	1	XLog	22							
	Basswood	15	Log/Pole/XLog	15							
	Paper Birch	1	Pole/Log	9							
	Balsam Fir	1	Pole/Sapling	7							
	Bigtooth Aspen	1	Log/Pole	12							
	Quaking Aspen	2	Log/Pole	10							
No	rthern White Cedar	1	Pole/Log	9							
3	4139 - Aspen, I	Mixed Deci	duous Sa	apling I	/ledium	22.1	10	Immature	N/A		Patches of younger aspen. Otherwise scattered black cherry saplings
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and open areas across stand.
	Quaking Aspen	45	Sapling	2	10	Bla	ck Cherry	Medium	Variable	Sapling	
	White Spruce	5	Sapling/Pole	3		Ва	lsam Fir	Medium	Variable	Sapling	
	Black Cherry	40	Sapling	2							
	Balsam Fir	10	Sapling/Pole	4							
4	6120 - Lov	wland Ceda	ar Po	oletimb	er Well	7.8	100	1-50	N/A		Dense cedar stand with some mixed species along edges.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	5	Pole	7		Ta	ag Alder	Medium	5 - 10 feet	Tall Shrub	
	Black Spruce	5	Pole	7							
No	rthern White Cedar	83	Pole/Log	9	100						
	Quaking Aspen	7	Pole/Log	9							
5	122 - Road	d/Parking L	ot	Nonsto	cked	1.3			No	_	Co. Rd 557

rt 7 – Stands Compartment: 70
Year of Entry: 2025



Stand	Level 4 Co	over Type	,	Size De	ensity	Acres	Stand Age	BA Range	Managed Site		General Comments	
6	4110 - Sugar M	aple Asso	ciation S	awtimb	er Well	18.4	100	81-110	N/A		Moderate quality maple log stand. Open understory except some larger scattered saplings. 100 100 100 Average of 100 BA.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size	Scattered Sapilitys. 100 100 100 Average of 100 BA.	
	Basswood	5	Log/Pole	13		Sug	ar Maple	Low	Variable	Sapling	S.27 SWSW. CUT WITH STAND TO WEST IN 2007. ***Included witl	
	Sugar Maple	95	Log/Pole/XLog	14	100	Iro	onwood	Medium	Variable	Sapling	T. sale # 024-07 "Camp 19 sale" - thinned December, 2009.	
7	4130 -	Aspen		Saplino	g Well	128.5	6	1-50	N/A		Dense aspen saplings. Large maple and black cherry pole residuals	
	Canopy Species	% Cover	Size Class	DBH	l Age						scattered across stand. A few smaller retention pockets interior contain mature aspen and some conifer.	
	Quaking Aspen	83	Sapling	1	6						matars asper and some common	
	Sugar Maple	7	Log/XLog	15								
	Black Cherry	10	Sapling	1								
8	6120 - Lov	vland Ceda	ar P	oletimb	er Well	7.0	100	Unspecified	N/A		Mainly dense cedar topped by larger aspen and birch in areas.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Specie	s Density	Avg. Height	Size		
	Paper Birch	10	Pole/Log	9			Isam Fir	Low	Variable	Sapling		
	Quaking Aspen	5	Log/Pole	12		Northern	White Ceda	r Medium	Variable	Pole		
	Balsam Poplar	5	Pole	8								
	Balsam Fir	5	Pole	7								
	Black Spruce	10	Pole	7								
No	rthern White Cedar	65	Pole/Log	9	100							
_	4130 -	Aspen		Sapling	z Woll	7.2	20	1-50	N/A		Dense aspen saplings with some cedar speckled in the north area.	
9		•	Size Class							Ci	Dense aspen sapings with some cedar speckled in the north area.	
	Canopy Species	% Cover	Sapling/Pole		Age 20		nopy Specie ar Maple	s Density Medium	Avg. Height Variable	Size Sapling		
	Quaking Aspen Sugar Maple	5		2	20	Sug	ai iviapie	Medium	variable	Sapility		
No	rthern White Cedar	3	Sapling Pole/Log	9								
INO	Tilletti Willie Cedal	3	1 Ole/Log] 9								
10	6120 - Low			oletimb	er Well	10.3	100	Unspecified	N/A		Cedar topped by some aspen and birch along the edges.	
	Canopy Species		Size Class		I Age		nopy Specie		Avg. Height	Size		
	Balsam Poplar	5	Pole	8		Northerr	White Ceda	r Low	Variable	Pole		
	Balsam Fir	5	Pole	7		Ba	Isam Fir	Low	Variable	Sapling		
	Black Spruce	5	Pole	7								
No	rthern White Cedar	75	Pole	7	100							
	Paper Birch	10	Pole/Log	9								
11	4110 - Sugar M				er Well	74.6	109	81-110	N/A		Good quality hardwoods ranging in BA across stand. Good mix of age and size classes from saplings in areas to XL logs. North 1/4 of stand	
	Canopy Species		Size Class		l Age		nopy Specie		Avg. Height	Size	was thinned by Nelson in 2020 and should be excluded until future treatments. Some lower BA areas but also very dense areas. Standard treatments areas areas.	
	Paper Birch	1	Pole/Log	9			ar Maple	Low	Variable	Sapling		
	Sugar Maple	80	Log/Pole	13	109	Iro	onwood	Low	Variable	Sapling	should be managed with sparser stocking areas marked light to create uniform stocked canopy across stand. 100 150 110 110 140 130 90 13	
	Basswood	10	Log/XLog	14							Average of 110 BA.	
No	rthern White Cedar	4	Log	10							One described to the second of	
	Yellow Birch	5	Log/XLog/Pole	13							Good quality hardwoods with occasional upland cedar and scattered YI Cut by Verso winter of 2006-2008 under contract # 013-05-01. Good	

Report 7 - Stands



Stand	d Level 4 C	over Type	S	ize De	ensity	Acres S	tand Age B	A Range	Managed S	ite	General Comments		
12	4134 - Asp	en, Spruce/	Fir Sa	awtimb	er Well	8.9	70	81-110	N/A		Flat ground wet in areas. Mix of mature conifer and aspen. Larger white		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	spruce is declining.		
	Quaking Aspen	42	Log/Pole	10	70	Balsa	ım Fir	Medium	Variable	Pole			
	Balsam Fir	15	Pole	7							-		
	Paper Birch	5	Pole/Log	9									
	White Spruce	10	Log/Pole	12									
No	orthern White Cedar	10	Log/Pole	10	105								
	Sugar Maple	5	Log/Pole	10									
	White Pine	3	XLog	20									
	Balsam Poplar	10	Pole/Log	9									
13	4130	- Aspen	Ş	Sapling	g Well	61.0	34	51-80	N/A		Nice aspen poles. SW corner has a bit sparser stocking with some		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	patchy black cherry openings.		
	Bigtooth Aspen	10	Pole	8		White	Spruce	Low	Variable	Sapling			
	Quaking Aspen	85	Pole/Sapling	6	34	Balsa	ım Fir	Low	Variable	Sapling			
	Black Cherry	5	Pole/Sapling	5		Black	Cherry	Low	Variable	Sapling			
14	6120 - Lo	wland Ceda	ar Sa	awtimb	er Well	39.5	105	111-140	N/A		Dense cedar stand. Old strip cuts are grown in with dense paper birch saplings with some black spruce sapling understory along the edges and		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	more lowland conifer saplings interior.		
	Tamarack	10	Pole/Log	9		Black	Spruce	Low	Variable	Sapling			
	Paper Birch	5	Pole/Log	9		Papei	Birch	Low	>20 feet	Sapling	Larger diameter cedar with black spruce and white birch. Stand contains several strip cuts from around 1975. These strips have regenerated to 1-		
No	orthern White Cedar	75	Log/Pole	10	105	Northern V	/hite Cedar	Medium	Variable	Pole	4" balm, tamarack, black spruce and white birch. I did not see any young		
	Black Spruce	10	Pole	8							cedar. Lots of deer in this stand.		
15	6120 - Lo	wland Ceda	ar Po	oletimb	er Poor	13.5	105	1-50	N/A		Sparse alder and grassy marsh with some dense cedar areas in the west		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	half.		
	Tamarack	20	Pole/Sapling	5		Northern V	/hite Cedar	Low	Variable	Sapling			
	Paper Birch	5	Log/Pole	10		Tam	arack	Low	Variable	Sapling			
	Balsam Fir	5	Pole/Log	9									
No	orthern White Cedar	70	Pole/Log	9	105								
16	4110 - Sugar N	/laple Asso	ciation Sa	awtimb	er Well	3.4	90	111-140	N/A	_	Nice little ridge of good quality maple logs. 170 140 110 Average of 140		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Cano	py Species	Density	Avg. Height	Size	BA.		
	Basswood	5	Log	15		Iron	wood	Medium	5 - 10 feet	Sapling			
	Sugar Maple	95	Log/Pole	13	90						-		
				_									



Stand	Level 4 Co	over Type	Si	ize De	ensity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
17	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well	14.3	109	111-140	N/A		Large maple logs with a heavy mix of pole sized trees. Not much for small sawlog sized hardwood. North half has a dense fir pole understory
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	and may have some sparser hardwood stocking in areas. 130 150 120
	Sugar Maple	76	XLog/Log/Pole	18	109	Sug	gar Maple	High	>20 feet	Sapling	130 Average of 130 BA.
	Yellow Birch	5	Log	14		Iro	onwood	Low	Variable	Sapling	
	Basswood	5	Log	14		Ва	lsam Fir	Medium	Variable	Pole	
	White Pine	1	XLog	20							
	Balsam Fir	10	Pole	7							
No	rthern White Cedar	3	Log	12							
18	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well	5.6	109	141-170	N/A		Good quality maple stand. Narrow opening in the center. 160 160
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Average of 160 BA.
	Paper Birch	2	Pole	8		Sug	gar Maple	Low	Variable	Sapling	
	Yellow Birch	1	Log	12						'	•
	Basswood	1	Log	12							
	Sugar Maple	96	Log/Pole	13	109						
19	4130	- Aspen	Sa	awtimb	er Well	19.1	58	81-110	N/A		Mature aspen, more dense in the south. Good mix of spruce/fir poles
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	Sub-Canopy Species		Avg. Height	Size	showing some decline. May be some soft ground within.
	Quaking Aspen	80	Log/Pole	10	58	Blad	ck Cherry	Low	Variable	Pole	
	Balsam Fir	10	Pole/Sap/Log	8	58	Whi	te Spruce	Medium	Variable	Pole	
	White Spruce	5	Pole/Log	9		Ва	lsam Fir	Medium	Variable	Pole	
	Black Cherry	5	Pole	8							
20	4130	- Aspen	Po	letimb	er Well	19.9	34	51-80	N/A		Good quality aspen poles. Some patchy openings especially in the east
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	half.
	Bigtooth Aspen	35	Pole	8		Ва	lsam Fir	Medium	Variable	Sapling	
	Quaking Aspen	55	Pole	7	34	Blad	ck Cherry	Medium	Variable	Sapling	
	Balsam Fir	5	Pole/Sapling	5							
	Paper Birch	5	Pole/Sapling	5							
21	623 - Emer	gent Wetla	nd i	Nonst	ocked	5.1			No		flooded marsh
22	4130	- Aspen	S	Sapling	g Well	27.7	25		N/A		Dense aspen near pole sized trees. Small patch solid to hardwoods in the SW corner may be managed in the future, too sparse to thin at this time.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Town comer may be managed in the ruture, too sparse to thin at this time.
	Quaking Aspen	90	Sapling/Pole	4	25	Whi	te Spruce	Medium	Variable	Sapling	Fully stocked 20-30' saplings with scattered white pine and cedar. Cut b
	White Pine	2	Log/XLog	16		Sug	gar Maple	Low	Variable	Sapling	Nickels in 1997 under contract # 027-95-01.
No	rthern White Cedar	2	Log	10		Ва	lsam Fir	Low	Variable	Sapling	
	Sugar Maple	6	Log/Pole	12							



Stand	d Level 4 C	Level 4 Cover Type			Size Density		Stand Age B	A Range	Managed Site		General Comments
23	4130	4130 - Aspen		Sapling Well		27.1	14	Immature	N/A		Dense aspen saplings with some black cherry mixed in. Some sparser
	Canopy Species	% Cover	Size Class	DBH	Age						patches within.
	White Spruce	2	Sapling/Pole	4							Dense A3, cut by LaFleur in 2008 under contract # 014-05-01.
	Quaking Aspen	87	Sapling	3	14						
	Black Cherry	10	Sapling	3							
	White Pine	1	XLog	18							
24	4110 - Sugar N	/laple Assoc	ciation Po	letimb	er Well	26.2	85	51-80	N/A		Scattered hardwood across stand. Aspen saplings are denser in gaps
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	otherwise still abundant in most of the understory with sparser canopy of hardwoods. Aspen removed by LaFleur in 2006 under contract # 14-05-
	Basswood	20	Log/Pole	13		Quak	king Aspen	High	Variable	Sapling	01 retaining 40 ba of hardwoods. Featured stand should be aspen.
	Quaking Aspen	20	Sapling	2	14	Sug	gar Maple	Medium	Variable	Sapling	
	Sugar Maple	60	Pole/Log/Sap	9	85	Iro	onwood	Low	Variable	Sapling	
				_		\ \ / In :	to Common	Low	Variable	Pole	
						VVNI	te Spruce	LOW			
							llsam Fir	Low	Variable	Pole	
25	310 - Herbac	eous Open	land N	Nonsto	cked						Opening growing in with aspen clones and scattered conifer. WLD plans of possibly maintaining in future.
25		eeous Openi			cked er Well	Ва	ulsam Fir		Variable		of possibly maintaining in future. Good quality dense aspen poles with well stocked understory of larger
		<u> </u>	Po	letimb		3.6 5.0	ulsam Fir	111-140	Variable Managed Op		of possibly maintaining in future.
	4130	- Aspen	Po	letimb	er Well	3.6 5.0 Sub-Ca	0 58	111-140	Variable Managed Op	ening	of possibly maintaining in future. Good quality dense aspen poles with well stocked understory of larger
	4130 Canopy Species	- Aspen	Po Size Class	letimb DB H	er Well	3.6 5.0 Sub-Ca	0 58 nopy Species	111-140 Density	Variable Managed Op N/A Avg. Height	ening Size	of possibly maintaining in future. Good quality dense aspen poles with well stocked understory of larger
	4130 Canopy Species Sugar Maple	- Aspen **Cover** 5	Po Size Class Log/Pole	DBH	er Well	3.6 5.0 Sub-Ca	0 58 nopy Species gar Maple	111-140 Density High	Variable Managed Op N/A Avg. Height Variable	ening Size Sapling	of possibly maintaining in future. Good quality dense aspen poles with well stocked understory of larger
	4130 Canopy Species Sugar Maple Balsam Fir	- Aspen **Cover* 5 2 93	Po Size Class Log/Pole Pole Pole/Log	DBH 11 8 9	er Well	3.6 5.0 Sub-Ca	0 58 nopy Species gar Maple	111-140 Density High	Variable Managed Op N/A Avg. Height Variable	ening Size Sapling	of possibly maintaining in future. Good quality dense aspen poles with well stocked understory of larger maple sapling sized trees. Large declining aspen with large forked crowns. Areas with larger
26	4130 Canopy Species Sugar Maple Balsam Fir Quaking Aspen	- Aspen **Cover 5 2 93 en, Spruce/	Po Size Class Log/Pole Pole Pole/Log	DBH 11 8 9	Age 109	3.6 5.0 Sub-Ca Sug Iro	0 58 nopy Species gar Maple onwood	111-140 Density High Medium 81-110	Variable Managed Op N/A Avg. Height Variable Variable	ening Size Sapling	of possibly maintaining in future. Good quality dense aspen poles with well stocked understory of larger maple sapling sized trees.
26	4130 Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4134 - Aspe	- Aspen **Cover 5 2 93 en, Spruce/	Po Size Class Log/Pole Pole Pole/Log	DBH 11 8 9	er Well Age 109 58	3.6 5.0 Sub-Ca Sug Iro 13.1 Sub-Ca	58 nopy Species gar Maple onwood	111-140 Density High Medium 81-110	Variable Managed Op N/A Avg. Height Variable Variable N/A	ening Size Sapling Sapling	Good quality dense aspen poles with well stocked understory of larger maple sapling sized trees. Large declining aspen with large forked crowns. Areas with larger diameter spruce/fir showing some decline. Low depression in center may
26	4130 Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4134 - Aspe Canopy Species	- Aspen **Cover 5 2 93 en, Spruce/ **Cover	Po Size Class Log/Pole Pole Pole/Log Fir Sa Size Class	DBH 11 8 9 wtimb	er Well Age 109 58	3.6 5.0 Sub-Ca Sug Iro 13.1 Sub-Ca Blace	58 nopy Species gar Maple onwood 72 nopy Species	111-140 Density High Medium 81-110 Density	Variable Managed Op N/A Avg. Height Variable Variable N/A Avg. Height	Size Sapling Sapling	Good quality dense aspen poles with well stocked understory of larger maple sapling sized trees. Large declining aspen with large forked crowns. Areas with larger diameter spruce/fir showing some decline. Low depression in center may
26	4130 Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4134 - Aspe Canopy Species Balsam Poplar	- Aspen **Cover 5 2 93 en, Spruce/ **Cover 5	Pole/Log Fir Sa Size Class Pole	DBH 8 9 DBH 8	er Well Age 109 58 er Well Age	3.6 5.0 Sub-Ca Sug Iro 13.1 Sub-Ca Blace	58 nopy Species gar Maple onwood 72 nopy Species ck Cherry	111-140 Density High Medium 81-110 Density Low	Variable Managed Op N/A Avg. Height Variable Variable N/A Avg. Height Variable	Size Sapling Sapling Size Pole	Good quality dense aspen poles with well stocked understory of larger maple sapling sized trees. Large declining aspen with large forked crowns. Areas with larger diameter spruce/fir showing some decline. Low depression in center may
26	4130 Canopy Species Sugar Maple Balsam Fir Quaking Aspen 4134 - Aspe Canopy Species Balsam Poplar Quaking Aspen	- Aspen % Cover 5 2 93 en, Spruce/ % Cover 5 67	Pole Pole/Log Fir Sa Size Class Pole Pole/Log Fir Log	DBH 8 8 12	er Well Age 109 58 er Well Age	3.6 5.0 Sub-Ca Sug Iro 13.1 Sub-Ca Blace	58 nopy Species gar Maple onwood 72 nopy Species ck Cherry	111-140 Density High Medium 81-110 Density Low	Variable Managed Op N/A Avg. Height Variable Variable N/A Avg. Height Variable	Size Sapling Sapling Size Pole	Good quality dense aspen poles with well stocked understory of larger maple sapling sized trees. Large declining aspen with large forked crowns. Areas with larger diameter spruce/fir showing some decline. Low depression in center may



Stand	Level 4 C	over Type	5	Size Density		Acres Stand Age BA Range			Managed S	Site	General Comments			
28	6117 - Lowland Deciduous, Mixed Coniferous			Poletimber Wel		21.9	80	81-110			Very diverse mix on saturated ground. South half is heavier to paper birch, large pole to small sawlog sized trees. North half is heavier to			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	conifer with less birch and more aspen mixed in. Large aspen is scatter across entire stand. More black spruce stocking in east finger.			
	Quaking Aspen	15	Log/Pole	13		Bla	ack Ash	Low	Variable	Sapling	actoss entire stand. More black spruce stocking in east linger.			
	Red Maple	5	Pole/Log	9		Ва	Isam Fir	Medium	Variable	Sapling				
	Yellow Birch	2	Pole/Log	9		Whi	te Spruce	Medium	Variable	Sapling				
	Tamarack	8	Log/Pole	10		Sug	ar Maple	Medium	Variable	Sapling				
	Paper Birch	40	Pole/Log	9	80									
No	rthern White Cedar	6	Log/Pole	10	105									
	Black Ash	2	Pole	6										
	Black Spruce	15	Pole	8										
30	4130	- Aspen	P	oletimbe	r Well	46.5	32	51-80	N/A		Small pole sized aspen stand. Wet area in the south is more dense to			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	tamarack saplings and some conifer.			
	Quaking Aspen	70	Pole/Sapling	6	32	Whi	te Spruce	Medium	Variable	Sapling				
	White Spruce	2	Sapling	3		Ва	lsam Fir	Medium	Variable	Sapling				
	Balsam Poplar	5	Pole/Sapling	6							•			
	Balsam Fir	5	Sapling	3										
	Bigtooth Aspen	8	Pole	7										
1	Tamarack	10	Sapling	3										
31	6122 - B	ack Spruce	•	Sapling Well		2.7 32 Im		mmature	N/A		Small pocket of younger lowland conifer.			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size				
	Tamarack	30	Sapling	3		Blac	k Spruce	Medium	Variable	Sapling				
	Black Spruce	70	Sapling	3	32						•			
32	4110 - Sugar N	Maple Asso	ciation S	awtimbe	r Well	12.5	109	81-110	N/A		Very, very large aspen dead and declining rapidly. Scattered large poor			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	quality hardwoods. Understory has a high stocking of larger sapling size to small pole sized maple. The understory maple is too dense to operate			
	Sugar Maple	68	XLog/Log/Pole	18	109	Whi	te Spruce	Low	Variable	Sapling	without damaging and currently is good quality, tall and straight. Average			
	Quaking Aspen	10	Log/XLog	16		Iro	nwood	Low	Variable	Pole	BA is around 100, maybe a bit higher in areas denser to pole sized trees.			
	Basswood	20	Log/Pole	13		Lea	therwood	Medium	< 5 feet	Tall Shrub	Allow this stand to convert over to pure hardwoods. Reevaluate next YOE for possible hardwood thinning. Live aspen should almost all die out by			
	Balsam Fir	2	Pole/Log	9		Sug	ar Maple	Medium	Variable	Pole	this time.			
						Sug	ar Maple	Medium	Variable	Sapling				
						Iro	nwood	Medium	Variable	Sapling	Pocket of large hardwood over 1-3" sugar maple and ironwood saplings. Essentially no poletimber. Severe porky damage to the tops. Numerous cavities.			

Report 7 - Stands Gwinn Mgt. Unit



Stand	d Level 4 Co	Level 4 Cover Type Size Density Acres Stand A		Stand Age B	A Range	Managed S	Site	General Comments			
33	4112 - Maple, Beech, Cherry Association		Association Po	Poletimber Well		18.1	105	51-80	N/A		Stand ranges from patches of log/pole sized hardwood to patches of large sapling/pole sized hardwood mix.
	Canopy Species	% Cover	Size Class		I Age	Sub-Can	opy Species	Density	Avg. Height	Size	large sapility/pole sized hardwood mix.
	Red Maple	65	Log/Pole/Sap	12	105	Pap	er Birch	Low	Variable	Sapling	Small peninsula of upland jutting into a larger cedar swamp. All but the
No	orthern White Cedar	5	Pole/Log	8		Black	Black Cherry		Variable	Sapling	hardwood and cedar removed in 1991. Mostly an M5C4M2F2. Decent white birch along edges.
	Paper Birch	10	Sapling	3		White	Spruce	Medium	Variable	Sapling	white birch along edges.
	Black Cherry	10	Sapling/Pole	4		Red	l Maple	High	Variable	Sapling	
	Sugar Maple	10	Log/Pole	12							
34	310 - Herbac	eous Open	land	Nonsto	ocked	11.8	0 U	nspecified	Managed O	pening	Opening with conifer, aspen, and hardwoods growing in. Large spruce/fir within.
35	4130	- Aspen	Sa	awtimb	er Well	139.4	58	111-140	N/A		Large diameter aspen with fir poles. Some small interior patchy openings
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	with cherry saplings.
	Quaking Aspen	85	Log/Pole	10	58	Bals	sam Fir	Medium	Variable	Pole	
	Balsam Fir	10	Pole	8		Black	c Cherry	Medium	Variable	Sapling	
	White Spruce	2	Log/Pole	10							1
	Black Cherry	3	Pole	8							
36	6120 - Lowland Cedar		ar Po	Poletimber Well			153.6 100				Large web of dense cedar. Some old strip cuts in the central area. Far
	Canopy Species % Cover Size Class			DBH Age		Sub-Canopy Species		Density	Avg. Height	Size	NE finger has a patch of sparser tamarack with cedar understory. Dense, large cedar. Deer yard. Strip cuts from the 70's
	Black Spruce	5	Pole	8		Northern	White Cedar	Medium	Variable	Pole	have regenerated to T3S1B1 over tag alder.
	Tamarack	15	Pole/Log	9		Tag	g Alder	Medium	< 5 feet	Tall Shrub	
No	orthern White Cedar	80	Pole/Log	9	100	Black	Spruce	Low	Variable	Sapling	
37	4110 - Sugar M	laple Asso	ciation Sa	awtimb	er Well	10.1	109	81-110	N/A		Poor to mid quality hardwood log stand. Good mix of basswood within.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	Larger scattered maple saplings with some patches dense to ironwood saplings. 90 80 Average of 85 BA.
	Balsam Fir	2	Pole	8		Iro	nwood	Medium	Variable	Sapling	dapinigo. 00 00 / Worago of 00 B/ II
	Basswood	28	Log/Pole/XLog	14		Suga	ar Maple	Low	Variable	Sapling	
	Sugar Maple	70	Log/Pole/XLog	14	109					1	•
38	4139 - Aspen, I	4139 - Aspen, Mixed Deciduous			er Well	6.2	58	81-110	N/A		Mix of mature aspen and hardwood. Stand is a bit heavier to hardwood
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Can	opy Species	Density	Avg. Height	Size	on a raised elevation as compared to the surrounding pure aspen stand.
	Black Cherry	5	Pole	8		White	Spruce	Low	Variable	Sapling	
	Basswood	5	Log/Pole	12		Suga	r Maple	Low	Variable	Sapling	
	Quaking Aspen	30	Log/Pole	12	58	Iro	nwood	Low	Variable	Sapling	
	Bigtooth Aspen	15	Log/Pole	13		Bals	sam Fir	Low	Variable	Sapling	
	Sugar Maple	45	Log/Pole	12	100						=

Gwinn Mgt. Unit



Stand	d Level 4 C	Size Density			Acres	Stand Age BA Range		Managed S	Site	General Comments		
39	4130	4130 - Aspen		oletimb	er Well	45.5 36 81-	81-110	N/A		Good quality aspen poles with scattered clones of bigtooth.		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size		
	Quaking Aspen	82	Pole	8	36	Blac	ck Cherry	Low	Variable	Sapling		
	Bigtooth Aspen	15	Pole	9		Sug	ar Maple	Low	Variable	Pole		
	White Spruce	2	Log	14		Balsam Fir		Low	Low Variable Pole			
	Paper Birch	1	Log	10		Irc	nwood	Low	Variable	Sapling		
40	4130	- Aspen	;	Sapling	y Well	31.5	14 I	mmature	N/A		Dense aspen sapling stand.Cut fall/winter 2007-8 by Joe LaFleur	
	Canopy Species	% Cover	Size Class	DBH	Age						contract # 32-015-05-01. Dense young aspen with a trace of upland cedar and balsam fir.	
	Quaking Aspen	90	Sapling	3	14						cedal and balsam m.	
	Black Cherry	8	Sapling	3								
	Balsam Fir	2	Sapling/Pole	4								
41	6239 - Mixed E	Emergent W	etland	Nonsto	ocked	20.1			No		Old beaver flooding killed all the cedar with most of it down.	
42	4130 - Aspen Poletimber V				er Well	50.5 27 1-50		N/A		Aspen stand transitioning to pole sized trees. Road along south edge		
	Canopy Species % Cover Size Class DBH Age		l Age	Sub-Canopy Species Dens			Avg. Height Size		may or may not be on private, need survey to determine.			
	Quaking Aspen	95	Pole/Sapling	5	27	Quak	ing Aspen	Medium	>20 feet	Sapling		
	Balsam Fir	5	Pole/Sapling	6		Hazeln	ut (Beaked)	Low	< 5 feet	Tall Shrub		
43	4319 - Mixed	d Upland Fo	rest Po	oletimb	er Well	5.0	82	81-110	N/A		Small island blocked by beaver flooding and dense cedar stand. Can not access.	
	3105 - Mixed Upland Herbaceous Nonstocked					29.7	0		411 - Northern Hardwood		Seed tree residual mix of mainly hardwood logs with some conifer. No	
44	3105 - Mixed U	plana i loibi		14011310	скеа	29.7	_		+11 1 10 111101111	Hardwood		
44	3105 - Mixed U		200000	14011310	скеа		nopy Species	Density	Avg. Height	Size	sapling regen except for some aspen in the NE corner.	
44	3105 - Mixed U	plana Holbe		14011310	оскеа	Sub-Ca	nopy Species ar Maple	Density Low			sapling regen except for some aspen in the NE corner. Cut with MWR as seed tree 2018.	
44	3105 - Mixed U	piana i ioibe		Nonst	Скеа	Sub-Ca			Avg. Height	Size	sapling regen except for some aspen in the NE corner.	
44		en, Spruce/			er Well	Sub-Ca			Avg. Height	Size	sapling regen except for some aspen in the NE corner. Cut with MWR as seed tree 2018. 9-22-2020: MWR Sprayed	
		en, Spruce/		oletimb		Sub-Car Sug 7.4	ar Maple	Low	Avg. Height >20 feet	Size	sapling regen except for some aspen in the NE corner. Cut with MWR as seed tree 2018. 9-22-2020: MWR Sprayed 11/10/20 MWR Scarified	
	4134 - Asp	en, Spruce/	Fir Pe	oletimb	er Well	Sub-Car Sug 7.4 Sub-Car	ar Maple 35	Low 81-110	Avg. Height >20 feet N/A	Size Log	sapling regen except for some aspen in the NE corner. Cut with MWR as seed tree 2018. 9-22-2020: MWR Sprayed 11/10/20 MWR Scarified	
	4134 - Asp Canopy Species	en, Spruce/ % Cove r	Fir Po	oletimb DB H	er Well	Sub-Car Sug 7.4 Sub-Car	ar Maple 35 nopy Species	81-110 Density	Avg. Height >20 feet N/A Avg. Height	Size Log Size	sapling regen except for some aspen in the NE corner. Cut with MWR as seed tree 2018. 9-22-2020: MWR Sprayed 11/10/20 MWR Scarified	
	4134 - Asp Canopy Species Sugar Maple	en, Spruce/ % Cover	Fir Pour Size Class Pole/Log	Dletimb	er Well	Sub-Car Sug 7.4 Sub-Car	ar Maple 35 nopy Species	81-110 Density	Avg. Height >20 feet N/A Avg. Height	Size Log Size	sapling regen except for some aspen in the NE corner. Cut with MWR as seed tree 2018. 9-22-2020: MWR Sprayed 11/10/20 MWR Scarified	



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	e BA Range Managed Site		Site	General Comments	
46	4134 - Aspe	Fir :	Sawtimber Well		45.8	58	81-110	N/A		Large diameter aspen with some maple and areas of fir mixed in. Some larger diameter white spruce has died out. Spruce/fir dense in areas,		
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	especially the far west finger. A very narrow strip along the north edge	
	Balsam Fir	15	Pole/Log	8		Ва	lsam Fir	Low	Variable	Sapling	was cut in 1988. This area is above merchantable size and the stand	
	White Spruce	15	Pole/Log	8		Sug	ar Maple	Medium	Variable	Sapling	should be managed as a whole. Dense, well established maple saplings	
	Sugar Maple	8	Pole/Log	9							in most areas of this stand.	
	Basswood	2	Log/Pole	13								
	Bigtooth Aspen	5	Log/Pole	12								
	Quaking Aspen	55	Log/Pole	12	58							
47	330 - Low-D	Density Tre	es	Nonsto	ocked	2.3	2.3		Managed O	pening	Opening with conifer, aspen, and hardwoods growing in.	
50	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	2.8	109	81-110	N/A		Good quality maple logs. Some patchy areas in the west half. Pockets of	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	dense white spruce saplings in the understory. 140 100 Average of 120 BA.	
	Sugar Maple	85	Log	14	109	Iro	onwood	Medium	Variable	Sapling		
	Yellow Birch	5	Log	14		Whi	te Spruce	Medium	Variable	Sapling		
	Basswood	10	Log/Pole	12								
51	310 - Herbaco	- Herbaceous Openland Nonstocked			31.4			Managed O	pening	Large opening with conifer, aspen, and hardwoods growing in.		
53	4130 - Aspen			Sapling Well		37.7 3		1-50	N/A		Aspen saplings with scattered residual.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Little East sale cut in 2020.	
	Balsam Fir	5	Sapling	1		Ва	lsam Fir	Low	Variable	Sapling		
	Basswood	5	Log/Pole	13		Re	d Maple	Medium	Variable	Sapling		
	Sugar Maple	5	Log/Pole	13		Haze	Inut (Spp.)	High	5 - 10 feet	Tall Shrub		
	Quaking Aspen	85	Sapling	1	3							
55	4130	- Aspen	;	Sawtimber Well		23.1 55		81-110	N/A		West half is sparser, lower site index aspen with more conifer understo	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	East half increases in quality as elevation rises with more hardwood tree and saplings mixed in.	
	Bigtooth Aspen	10	Log/Pole	12	55	Blad	ck Cherry	Low	Variable	Sapling		
	Basswood	2	Log/Pole	12		Ва	Isam Fir	Medium	Variable	Sapling	OPIC - FMD: Smaller trees 4-5 stick well-stocked mostly. Thick hardwood 3-5"dbh under east, F1 west. 2015-Quaking aspen on the lower portion,	
	Sugar Maple	3	Log/Pole	11		Whi	te Spruce	Medium	Variable	Sapling	big- tooth on the hill side. Trace of elm. Conifers are associated with the	
	Quaking Aspen	75	Log/Pole	10	55	Sug	ar Maple	Medium	Variable	Sapling	quaking aspen while the big-tooth was relative free of conifers. No	
	Balsam Fir	5	Pole/Sapling	g 7				'		,	budworm seen. Hold the stand 10 years before harvest.	
	White Spruce	5	Pole	8								
56	6120 - Lov	vland Ceda	ar I	Poletimber Well		7.5		111-140	N/A		Dense stand of cedar.	
	Canopy Species	% Cover	Size Class	DBH	l Age		nopy Species	Density	Avg. Height	Size	OPIC - FMD: Well-stocked cedar. Mix of large and small trees. 2015-	
	Black Spruce	10	Pole	8		Northerr	White Cedar	Medium	Variable	Sapling	cedar with associated swamp conifers.	
	Paper Birch	5	Pole/Log	9		Blac	k Spruce	Low	Variable	Sapling		
No	rthern White Cedar	85	Log/Pole	10	109							

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Stand	d Level 4 C	Cover Type Size Density Acres Stand Age BA Range Managed Site		ite	General Comments							
58	4134 - Aspen, Spruce/Fir			Poletimber Well		ell 10.3	36	51-80	N/A		Small aspen poles with many sapling sized trees yet. Larger	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Canopy Species Density Avg. Height Size managed with future harvest.	merchantable fir within. Small hardwood patch in the south tip should be managed with future harvest.					
	Quaking Aspen	75	Pole/Sapling	5	36	Ва	lsam Fir	Medium	Variable	Sapling		
	Balsam Fir	25	Pole/Sap/Log	8							OPIC - FMD: A3 2"dbh mostly well-stocked but some open areas although stand is considered fully stocked. Some sp/fir component seeding in especially in the semi-open areas. Cut permit 7-87-01. 2015-3 5" aspen transitioning to a pole stand. A4A3F4F2	
59	6120 - Lo	wland Ceda	ar Po	letimb	er Well	10.3	109	111-140	N/A		Dense stand of cedar.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: Well-stocked cedar. Mix of large and small trees. 2015-	
No	orthern White Cedar	85	Log/Pole	10	109	Northern	White Cedar	Medium	Variable	Sapling	cedar with associated swamp conifers.	
	Black Spruce	10	Pole	8		Blac	k Spruce	Low	Variable	Sapling		
	Paper Birch	5	Pole/Log	9							-	
60	4110 - Sugar N				er Well	59.6	107	81-110	N/A		Moderate quality maple log stand. Open understory except for a few maple saplings and short ironwood seedlings. Small bubble in the north	
	Canopy Species		Size Class	_	Age		nopy Species		Avg. Height	Size	tip is dense to large sapling size to small pole sized hardwood. Was	
	Quaking Aspen	2	Pole	8			nwood	Low	Variable	Seeding	excluded in past harvest but should be included in future management.	
	Sugar Maple Basswood	83 15	Log/Pole Log	12	107	Sug	ar Maple	Low	Variable	Sapling	100 70 90 Average of 85 BA.OPIC - FMD: cut permit #025-97-01 in 2000. Good quality stand. Some tight spots but not quite ready for	
											another thinning. Mostly evenage 8-12" dbh. 1/3 basswood the rest mostly sugar maple. 20105-moving toward uneven-aged. Variable ba from 90-130. Regeneration after selective harvest doubtful.Little East sale cut in 2020.	
63		0 - Aspen		Sawtimber Well			39.1 58 81-		B1-110 N/A		Large diameter aspen with hardwood evenly mixed in. Some veins and patches within are dense to well established maple saplings. Aspen is	
	Canopy Species	% Cover		_	Age		nopy Species		Avg. Height	Size	showing some decline.	
	Basswood	5	Log/Pole	13			nwood	Low	Variable	Sapling	OPIC - FMD: 4-5 stick aspen mostly well-stocked.Merchantible but	
	Balsam Fir	2	Pole/Log	9		Ŭ	ar Maple	Medium	Variable	Pole	young. Areas of 2-3 stick. Some areas with raspberry and some hazel	
	Black Cherry	2	Pole	8		Sug	ar Maple	High	Variable	Sapling	understory. Scattered fir and cherry. Also spruce, basswood and sugar	
	White Spruce	1	Log Pole	14							maple in stand. 2015- High quality site with lots of leeks. Aspen in decline, stand breaking up. Very good quality 1-4" sugar maple saplings	
	Tamarack Sugar Maple	3 12	Log/Pole/XLog	8							in the understory. Fire scarring on the remnant sugar maple with the	
	Quaking Aspen	75	Log/Pole/ALog	13	58						aspen established after the fire. The stand is now converting back to the	
64	4110 - Sugar N	Maple Asso	ciation Sa	wtimb	er Well	4.4	107	111-140	N/A		northern hardwood type. Moderate quality maple log stand. Fairly open understory except some scattered saplings. 130 140 Average of 135 BA.	
	Canopy Species		Size Class	_	Age		nopy Species		Avg. Height	Size	ODIO FMD O 1' 1/1005 07 04 O 1/1005 07 07 07 07 07 07 07 07 07 07 07 07 07	
	Basswood	8	Log/Pole	13	107		ar Maple	Low	Variable	Sapling	OPIC - FMD: Cut permit #025-97-01. Good quality small stand. 2015- Small island of fair quality hardwoods cut in 1997. Heavy sedge. Should	
	Sugar Maple Balsam Fir	88	Log/Pole Pole	13	107	Irc	nwood	Low	Variable	Sapling	thin the maple, leave basswood, cut fir. Possibly combine with stand 10	
	Daisaiii Fii	4	Pole	8							for treatment.	

8

Pole

Compartment: 70 Year of Entry: 2025



											Teal of Liftiy. 2023			
Stand	Level 4 C	Level 4 Cover Type			ensity	Acres	Stand Age BA Range		Managed S	Site	General Comments			
65	4110 - Sugar N	4110 - Sugar Maple Association			Sawtimber Well		107	111-140	N/A		Good quality maple log stand with a good amount of pole sized trees			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mixed in. Very open understory across most of the area except ironwood gets dense in spots along some edges. 120 120 130 130 110 Average of			
	Sugar Maple	90	Log/Pole	11		Sug	gar Maple	Low	Variable	Sapling	1 25 BA.			
	Basswood	10	Log	14		Iro	onwood	Medium	Variable	Sapling				
				•							OPIC - FMD: Cut permit # 36-00-01. About 2001. Good quality stand with 2' ironwood understory. Some maple coming in some areas. Stand is about 60% sugar and 40% basswood. Even age pole stand and small log size mostly.			
67	6120 - Lo	wland Ceda	r F	Poletimb	er Well	3.1	103	111-140	N/A		OPIC - FMD: Small patch of cedar very well-stocked. Heavy wildlife use in this stand mid winter 2005. One very large, burned 3 foot diameter			
	Canopy Species	cies % Cover Size		DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	mostly rotten cedar in the stand is possibly ancestor to all others here. All			
	Balsam Fir	10	Pole/Log	9		Blac	ck Spruce	Low	Variable	Sapling	wildlife trails lead to this tree, another mystery of nature.			
No	rthern White Cedar	85	Log/Pole	11	103	Northern	n White Cedar	Low	Variable	Sapling				
	Black Spruce	5	Pole	8										
68	4130 - Aspen			Sawtimb	er Well	143.1	55	81-110	N/A		Larger diameter aspen with fairly open understory in most areas. A lower			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	vein within the north central area contains some large fir and some large declining and dead white spruce. Some patchy areas in the east with			
	Balsam Fir	4	Pole/Log	8		Sug	gar Maple	Low	Variable	Sapling	some hardwood mixed in spots.			
	Basswood	2	Log/Pole	13		Whi	te Spruce	Low	Variable	Sapling	0000			
	Black Cherry	1	Pole	8							2023, merged from two separate stands. Very close in age with nearly identical species and size class. This should be managed as one stand			
	Sugar Maple	5	Log/Pole	10							definition openios and oles class. This chould be managed as the stand.			
	Bigtooth Aspen	10	Log	13										
	Balsam Poplar	5	Pole/Log	9										
	White Spruce	3	Log	14										
	Quaking Aspen	70	Log/Pole	12	55									
69	4130	- Aspen		Sapling	g Well	29.2	13	Immature	N/A		Dense aspen saplings with some hardwood poles speckled in.			
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	OPIC - FMD: Stand mature and should be cut. Some mortality. Hazel			
	Balsam Fir	5	Sapling/Pole	4		Whi	te Spruce	Low	< 5 feet	Sapling	understory. Will protect dead and down wood during harvest. We will have			
	Quaking Aspen	87	Sapling	2	13						a summer restriction here. ***Timber sale #024-07 "Camp 19 Sale" - cut			
	Black Cherry	2	Sapling/Pole	4							December, 2009. Left leave trees along road, and larger aspen along sale edge. 2015-Well stocked A3 with a few conifers and cherry.			
	Sugar Maple	2	Pole	7							sale sage. 2010 Well stocked he with a lew conners and ellerry.			
	Basswood	2	Pole	8										

White Spruce

2