

Compartment Review Presentation

Escanaba Forest Management Unit

Compartment 33102 Entry Year 2027 Acreage: 681

County: Delta

Management Area: Menominee-Marquette

Stand Examiner: George Wilson

Legal Description:

T42N, R22W, Sections 2 and 11

Identified Planning Goals:

This compartment has 336 acres of hardwood thinning treatments, and 23 acres of lowland clearcuts containing ash and lowland coniferous species. This compartment contains a large amount of hardwoods.

Soil and topography:

Soil series include Longrie, Carbondale, Cathro, Trenary, Sundell, Ensley, and Charleviox. Topography is gently rolling to mostly level. Limestone bedrock plays a larger role within this compartment.

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

This compartment is part of a block of state land south of E. Maple Ridge Road that is approximately 5000 acres. North and west of this compartment is state land. South and east of this compartment is private forestland managed for timber and recreational purposes.

Unique Natural Features:

None Known

Archeological, Historical, and Cultural Features:

None Known

Special Management Designations or Considerations:

The Friday Creek riparian corridor Special Management area is located in the northern part of the compartment.

Watershed and Fisheries Considerations:

The northern region of this compartment contains Elm Creek. Elm Creek is a designated Type 1 trout stream less than 50 feet wide and has a predicted mean July water temperature of 64.2°F (cold stream). The southern region of this compartment contains an unnamed stream that serves as a tributary to the Rapid River. The unnamed stream is a designated Type 1 trout stream less than 50 feet wide and has a predicted mean July water temperature of 63.7°F (cold stream). A 300' buffer is recommended for Elm Creek and the unnamed stream in riparian areas susceptible to Aspen regeneration. For areas not susceptible to Aspen regeneration, a minimum 100 feet, plus 5 feet per 1% increase in slope, riparian management zone is recommended to protect riparian areas in accordance with Best Management Practices.

Wildlife Habitat Considerations:

This small compartment is predominantly northern hardwood forest of sugar maple and basswood. Friday creek flows through the north portion of this compartment and provides riparian habitat for many species of wildlife. Planned harvests for this year of entry include a couple small clearcuts in lowland deciduous stands, and single tree selections in upland hardwood stands across a large proportion of the compartment. Elm Creek runs through this compartment and is known to contain Wood Turtles. As such, appropriate buffers and winter cut specs will be applied to protect these turtles. Featured species within this compartment include White-tailed Deer, Wild Turkey, Black Bear, and Wood Thrush. This compartment contains openings managed for wildlife through planting and mowing.

Mineral Resource and Development Concerns and/or Restrictions

No known potential exists for commercial oil & gas production in this part of the state. No active sand & gravel operations are known to exist in the area. Glacial sediments are relatively thin in this area, and bedrock limestone appears to be within 30 feet of the surface across much of the compartment. The limestone is commonly quarried elsewhere in region. There may be potential for development of aggregates within the compartment on the uplands. Both remote and ground-based metallic mineral exploration has occurred in the area. Past test drilling for iron ore targeted magnetic anomalies. No such anomalies are apparent in the magnetic survey data covering the compartment. In addition, there is no current leasing activity involving State-owned mineral rights in the area. Potential for commercial development of metallic minerals from beneath the compartment is considered low at this time. The State does not own all the mineral rights within the compartment. Because the mineral estate is the dominant estate, the surface owner must provide the owner of the mineral

rights reasonable access to the surface for mineral exploration and development.

Vehicle Access:

Access to this compartment is very good. Most of the compartment can be access from the Maki Road which runs through the middle of this stand. The northeast corner of this compartment is accessible but access is through private land.

Survey Needs:

Private line establishment will be required to establish the timber sale boundaries. Some survey corners may be needed to establish the private line boundaries.

Recreational Facilities and Opportunities:

There are no developed facilities within this compartment. There are plenty of opportunities for hunting.

Fire Protection:

The timber types in this compartment are not prone to fire. There is a water source nearby.

Additional Compartment Information:

**** Cover type details, proposed treatments and stands designated as FDF are listed in the attached reports:

Cover Type by Age Class

Cover Type by Management Objective

Compartment Volume Summary

Proposed Treatments – No Limiting Factors

Proposed Treatments – With Limiting Factors

**** The following information is displayed on the attached compartment maps:

Base feature information, stand numbers, cover types

Proposed treatments

Proposed road access system

Suggested potential old growth

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

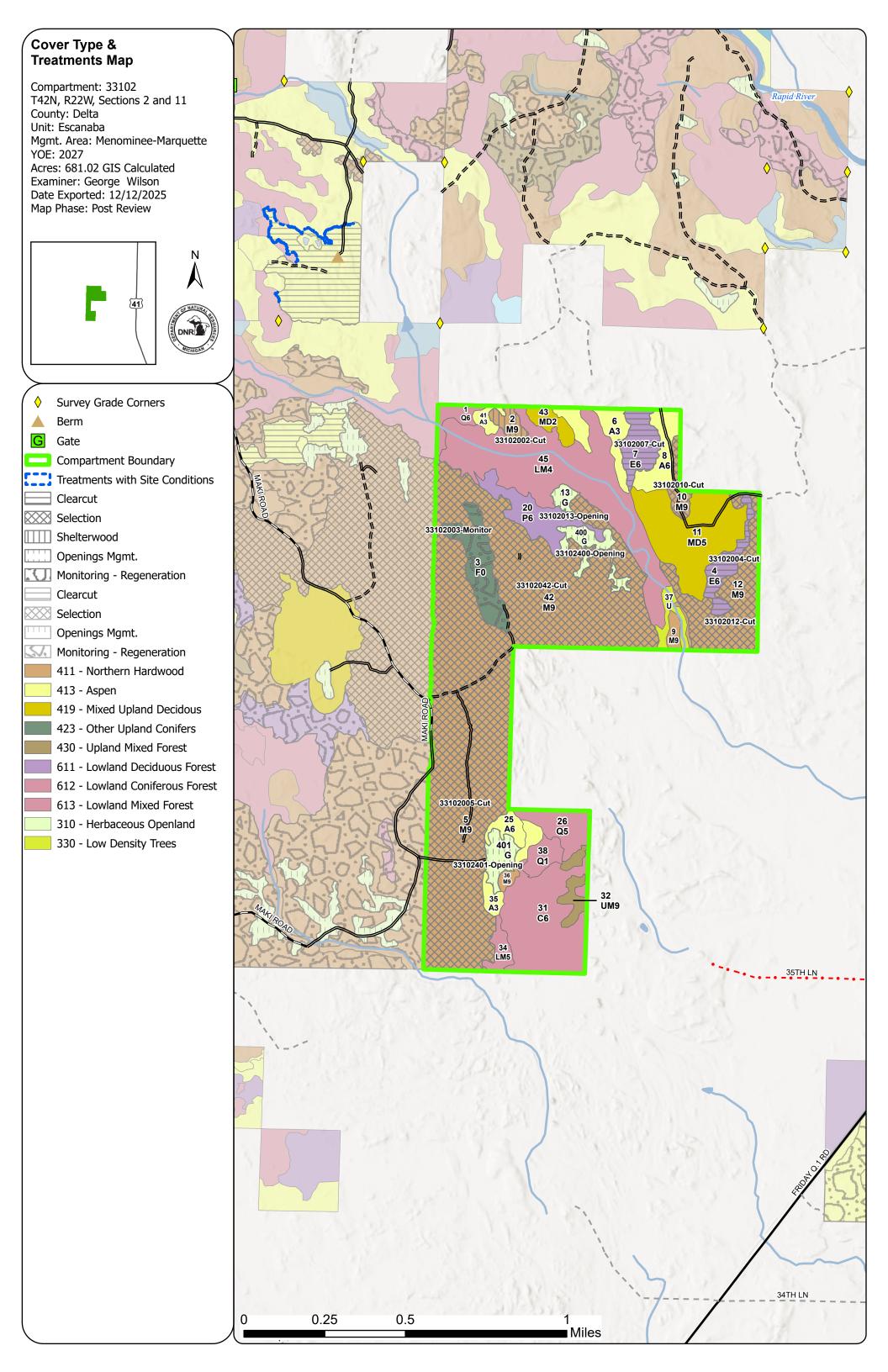
The following information is displayed, where pertinent, on the attached compartment maps:

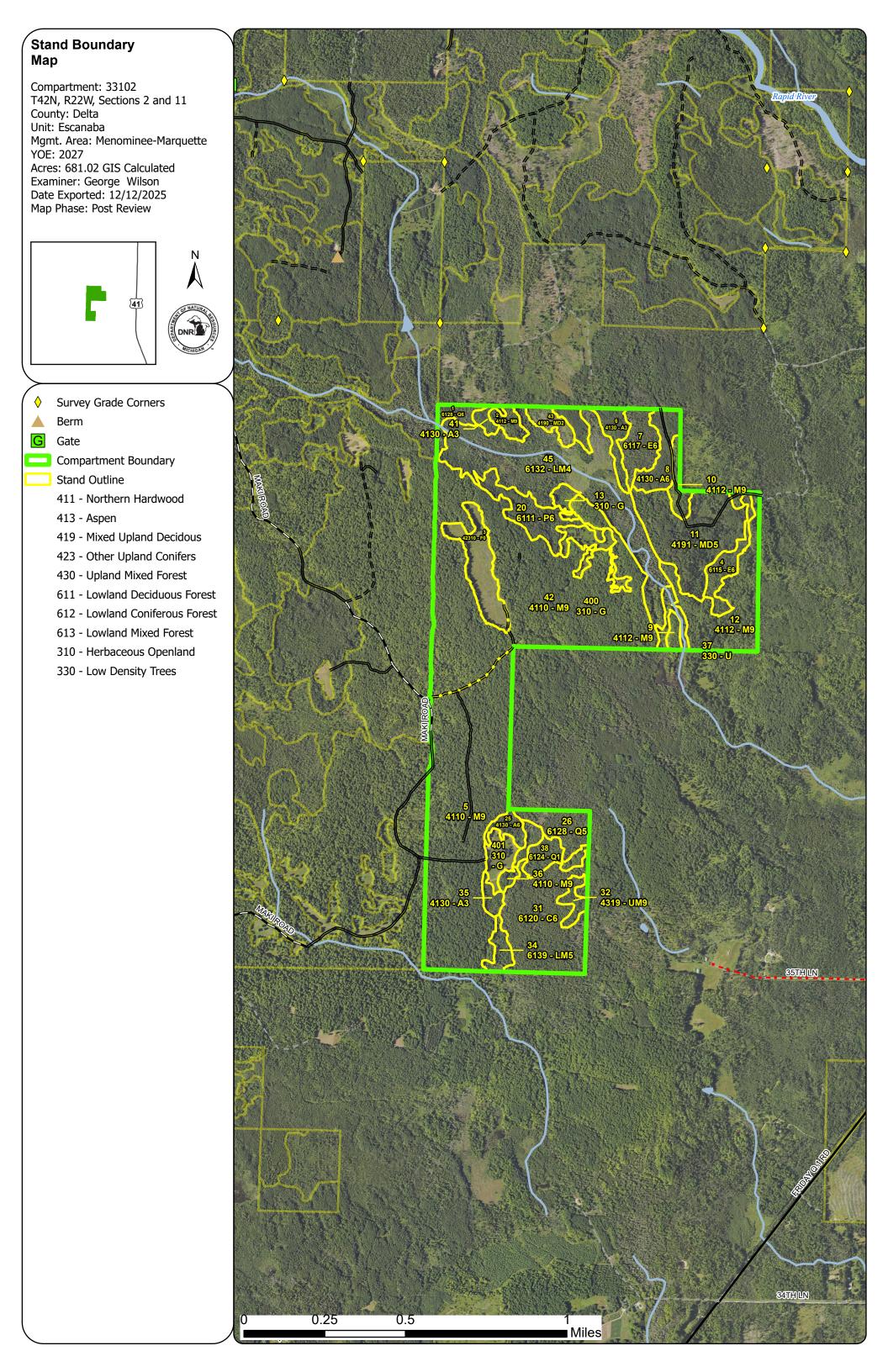
Base feature information, stand boundaries, cover types, and numbers

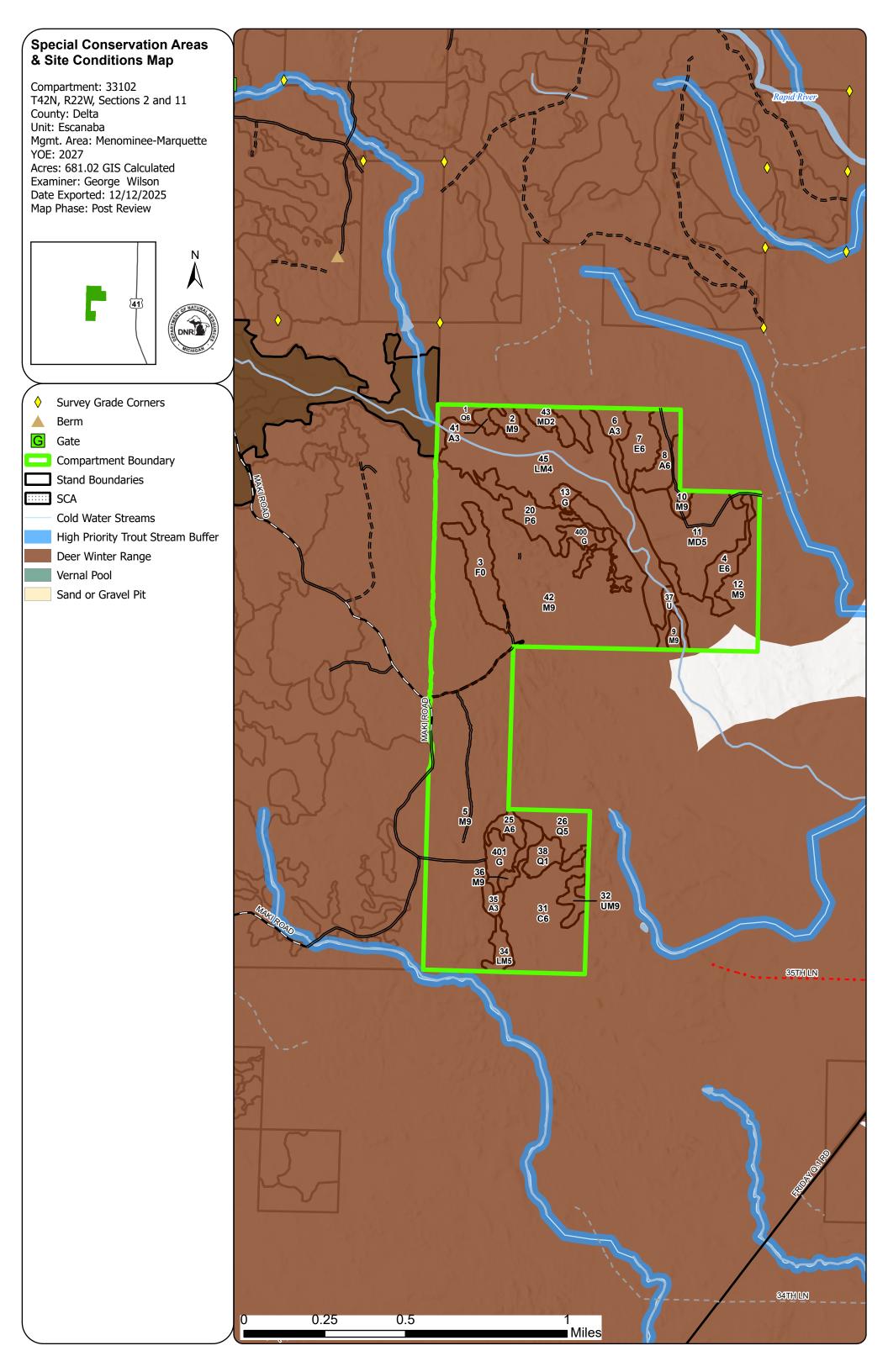
Proposed treatments

Site condition boundaries

Details on the road access system







Escanaba Mgt. Unit

George Wilson: Examiner

Compartment 102 Year of Entry 2027



MAKIB1

Age Class

	* Age	S. S	\$ / <u>\$</u>	Ø 2		3 / \$	\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	8/8		R / 8			70,70		& / &			Jugar Jugar	100 100 N
Aspen	0	0	7	15	17	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Cedar	0	0	0	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	46
Herbaceous Openland	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Lowland Aspen/Balsam Poplar	0	0	0	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	6	0	0	0	0	0	13	0	0	6	0	0	0	0	24
Lowland Deciduous	0	0	0	0	0	0	0	0	0	13	10	0	0	0	0	0	0	0	23
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	87	0	0	0	0	0	0	0	87
Mixed Upland Deciduous	0	6	0	0	44	0	0	0	0	0	0	0	0	0	0	0	0	0	50
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	343	0	0	0	0	0	0	0	343
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
Upland Spruce/Fir	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19
Total	44	6	7	15	67	17	0	0	0	13	453	0	0	52	0	0	0	7	680



Report 2 – Treatment Summary

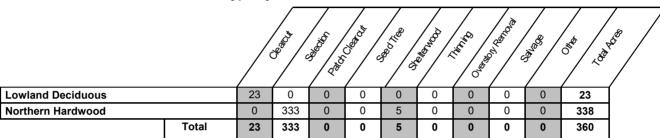
Escanaba Mgt. Unit Year of Entry: 2027

Acres of Harvest

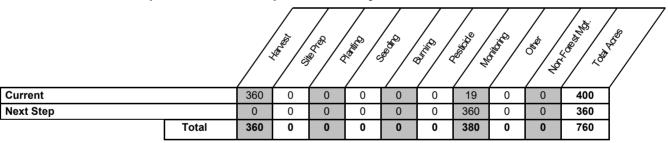
Compartment 102
Total Compartment Acres: 681

Commercial Harvest - 722 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method





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

Approved Treatments:

33102002-Cut 4.6 4112 - Maple, 9 81-110 Harvest Shelterwood 4319 - Mixed Cutting No Beech, Cherry **Upland Forest** Record

Association

Prescription Harvest stand down 30-40 BA, mark healthy red maple, birch, and cherry for reserves. Harvest is only allowed during October 1 - March 14,

Specs: this is due to the wood turtle guidance.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods

Regen:

Other Monitor regeneration, if stand doesn't regenerate, we might need to open the canopy more.

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

3 33102003-194 42310 - Planted 0 3 Monitoring Monitoring -42320 - Upland **Planting** No Monitor Spruce Regeneration Spruce Record

Prescription Monitor the regeneration of spruce planting.

Specs:

Next Step **Treatments:**

White spruce and other conifers. <u>Acceptable</u>

Regen:

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

Comment: This stand was field checked in 10/2022. The seedlings are about 3 to 5 inches tall as of 10/22.

Site Condition:

Proposed Start Date: 10/01/2023

33102004-Cut 9.9 6115 - Lowland Ash 81-110 Harvest Clearcut 613 - Lowland **Planting** No Mixed Forest Record

Prescription Harvest all species 3 inches in diameter and above. Leave all cedar and hemlock if found. Leave 3-10% retention.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Mixed lowland species

Regen:

Other Winter harvest only due to deer yard. Monitor the regeneration. This stand may take a longer period of time to regenerate.

Comment:

Site Condition:

S t			ū						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	Habita Cut
5	33102005-Cut	126.8 4	110 - Sugar Maple Association	9	97	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spec			ction: Harvest Stand reation guidance.	down to 8	80 BA, fa	avor leavi	ng yellow birch,	, black cherry and	basswood for seed	. If creating (gaps, follow
	t Step Monitor stments:	ring, Natura	al Regen (Re-Invent	ory)							
Acce Reg	<u>eptable</u> Northei <u>en:</u>	rn Hardwoo	od species								
Othe Com	er Winter nment:	harvest on	lly due to deer yard	and wood	turtle gu	uidance.					
Site	Condition:										
Prop	osed Start Date	<u>:</u> 10/01/20)26								
7	33102007-Cut		6117 - Lowland Deciduous, Mixed Coniferous	6	88	51-80	Harvest	Clearcut	613 - Lowland Mixed Forest	Planting Record	No
Pres Spec		ut everythir	ng 3 inches or greate	er in diam	eter. Lea	ave all ce	dar, yellow birc	h and hemlock if f	ound. Leave 3-10%	retention.	
	t Step Monitor stments:	ring, Natura	al Regen (Re-Invent	cory)							
Acce Reg		d deciduou	us and coniferous sp	ecies.							
Othe Com	er Winter nment:	harvest on	ly due to deer yard. !	Monitor th	e regene	eration, th	iis stand may ta	ke longer to reger	nerate.		
Site	Condition:										
Prop	osed Start Date	<u>:</u> 10/01/20)26								
10	33102010-Cut	5.8	4112 - Maple, Beech, Cherry Association	9	97	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No
Pres Spec			wn to 80 BA, focus o anopy gap guidance		al of poo	r quality a	and poor form tr	ees. Leave some	yellow birch as a se	eed source. I	f creating
	t Step Monitor tments:	ring, Natura	al Regen (Re-Invent	ory)							

<u>Acceptable</u> Northern Hardwoods <u>Regen:</u>

<u>Other</u> Monitor stand regeneration as this stand may need more gaps or a different prescription.

Comment:

Site Condition:

S t a

a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
12	33102012-Cut	36.3	4112 - Maple, Beech, Cherry Association	9	90	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	No

<u>Prescription</u> Harvest stand down to 60 BA. Remove poor quality and declining trees. Favor leaving minor represented species while marking. If creating <u>Specs:</u> canopy gaps, follow the canopy gap guidance memo.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods species

Regen:

Other Winter harvest only due to deer wintering yard, and wood turtle guidance. Monitor regeneration as additional work may be needed, such

Comment: as more canopy gaps.

Site Condition:

Proposed Start Date: 10/01/2026

13 33102013- 3.4 310 - Herbaceous 99 Openings Mgmt. Openings Mgmt. 310 - Previous No Opening O

<u>Prescription</u> Prescribed fire, farming (dozing, disking, raking, herbiciding, seeding (native or naturalized species only)), fertilizing and liming, brushhog/saw <u>Specs:</u> removal of competing trees and establishment of native hard and soft mast producers such as red oak, crabap

Next Step Treatments:

Acceptable Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

42 33102042-Cut 164.1 4110 - Sugar Maple 9 97 81-110 Harvest Selection 411 - Northern Current No Association

<u>Prescription</u> Harvest stand down to 70 BA, favor leaving yellow birch, cherry, and basswood for seed. Follow the canopy gap guidance memo in areas <u>Specs:</u> with or expected to have advanced regeneration. Leave all Butternut.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwood species.

Regen:

Other Winter harvest only due to deer yard and known presence of wood turtles in Elm creek. Monitor the regeneration in this stand, this may

Comment: need an additional prescription.

Site Condition:

s t		Escanaba	Mgt. Unit		Repor	t 3	Treatments		Compartmer Year of Entr		OF NATURAL AREA OF NATURAL ARE
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
400	33102400- Opening	8.7 3	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
Next Treat Acce Rege Other Communications	s: remov Step ments: ptable n:	al of compe	rming (dozing, diski ting trees and estat displayments						only)), fertilizing a	and liming, br	ushhog/saw
401	33102401- Opening	7.8 3	310 - Herbaceous Openland	99			Openings Mgmt.	Openings Mgmt.	310 - Herbaceous Openland	Previous Inventory	No
Next Treat Acce Rege Other	s: remov Step ments: ptable n:		ming (dozing, diski ting trees and estat							and liming, br	ushhog/saw

Total Treatment Acreage Proposed: 399.5

Report 4 – Site Conditions

Escanaba Mgt. Unit

George Wilson: Examiner

Compartment: 102 Year of Entry: 2027



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Availa	ability for	Managemer	nt								
Total	Acres	Acres Avail	Acres	D	omina	nt Site	e Con	dition	s		
Acres	Available	With Condition	Not Available		5C	5F	2H	3G	3J	3L	5E
39	39	0	0	Aspen							
46	0	0	46	Cedar						46	
20	20	0	0	Herbaceous Openland							
5	0	0	5	Low-Density Trees					5		
17	17	0	0	Lowland Aspen/Balsam Poplar							
24	12	13	0	Lowland Conifers	13						
23	23	0	0	Lowland Deciduous							
87	0	0	87	Lowland Mixed Forest				5	82		
44	0	44	1	Mixed Upland Deciduous		44					1
343	339	2	3	Northern Hardwood	2		3				
7	0	0	7	Upland Mixed Forest			7				
19	19	0	0	Upland Spruce/Fir							
676	469	58	149	Total Forested Acres	14	44	9	5	87	46	1
	69%	9%	22%	Relative Percent		•		•			

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

Site No.		Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Blocked by rivers an	d RMZ to the east and west.					
2	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Escanaba Mgt. Unit George Wilson: Examiner



3	Available	5C: Delay treatment for 13 Unspecified age/size class diversity or exceptional site quality		Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Look to treat with la	arger stand 24 and islands of 32	? and 36	next treatment period.			
4	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	82	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Friday creek RMZ						
5	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Difficult access due	e to cedar swamp and private la	nd acce	ess.			
6	Unavailable	3G: Other influence zones - See comments	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Potential treatment	in a few pockets when the larg	er stand	24 is harvested.			
7	Available	5F: Evaluated for Forest Health Considerations	44	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Aspen regen with s	cattered Fb, Fs.					
8	Unavailable	3L: Other wildlife concerns	46	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: High amount of nor	thern white cedar. Lack of treat	ment du	ue to Deer Winter Range G	Guidelines.		

Report 4 - Site Conditions

Escanaba Mgt. Unit George Wilson: Examiner



10	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
11	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: 1025: Hold off on to	reating this stand until next entry					
13	Unavailable	5E: Long-Term Retention	0	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified

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				



Stand	l Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
1	6128 - Lowland Dec	Coniferous iduous	, Mixed	Poletimb	er Well	5.5	129	51-80	N/A		OPIC - FMD: This stand is within the Friday Creek riparian area which provides a wildlife travel corridor. SCA value is riparian buffer along
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Can	opy Species	Density	Avg. Height	Size	Friday Creek.
	Yellow Birch	5	Pole	9		Bals	sam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Paper Birch	5		6		Bla	ck Ash	High	10 - 20 feet	10 - 20 feet	
	Balsam Fir	20	Pole	9		Tag	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	White Spruce	10	Log/Pole			White	Spruce	Medium	Variable	Variable	
No	rthern White Cedar	35	Pole	9	129						
	Black Ash	25	Pole	8							
2	4112 - Maple, Beed	h, Cherry A	Association	Sawtimb	er Well	4.6	91	81-110	N/A		2025: Red maple stand with some sugar maple. This stand was
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	prepared and not completed on the Patches sale closed in 2023. Treated in 2001, contract number 33-015-97-01 "3rd Times a Charm".
	Sugar Maple	30	Log	10		White	Spruce	Low	< 5 feet	< 5 feet	Stand was marked and thinned. Aspen (A3) in portions of the
	Red Maple	55	Log	11	91	Quakii	ng Aspen	Low	10 - 20 feet	10 - 20 feet	understory (south and southwest). Upland brush in portions of this
	Balsam Fir	10		6		Bals	sam Fir	Medium	5 - 10 feet	5 - 10 feet	stand. East and southeast more balsam in the understory.
	White Spruce	5		6		Hazelnut	(American)	Low	5 - 10 feet	5 - 10 feet	
3	42310 - Pla	anted Spru	се	Unspe	cifed	19.4	3				2025: Poorly stocked spruce plantation. I am seeing spruce on this
						Sub-Can	opy Species	Density	Avg. Height	Size	site but it's hard to tell the density due to the snow depths. May have to come back in the spring for a better stocking report.10/22-
							Spruce	Low	< 5 feet	< 5 feet	to come back in the spring for a better stocking report. 10/22-
											This stand was planted to spruce. Field checked in October of 2022. Approximately 1 inch high seedlings at this point. Previous comments-The trenching was completed in the summer of 2020. Previous treatment ->This stand was treated in 2003, under contract 33-011-00-01 "Maki Road Hardwoods". This stand was originally stand 42 which was more of an open area within the stand. Current objective here is to trench/spray/plant to spruce.
4	6115 - Lo	owland Ash	1	Poletimb	er Well	9.9	93	81-110	N/A	1	2025: The majority of the ash is dead in this stand. There is some red
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	maple, black spruce, and balsam fir in here that is lower quality.Previous inventory with 1930 year of origin. Low wet area
	Red Maple	15	Pole	9		Bals	sam Fir	Low	10 - 20 feet	10 - 20 feet	with 6-8"dbh black ash. Consider treatment with stand 17 next
	Balsam Fir	10		7		Balsa	m Poplar	Low	10 - 20 feet	10 - 20 feet	treatment period. Balsam poplar and aspen along edge into stand 11
	Black Spruce	5	Pole	8		Quakii	ng Aspen	Low	10 - 20 feet	10 - 20 feet	and 12.
No	rthern White Cedar	5	Pole	9		White	Spruce	Low	5 - 10 feet	5 - 10 feet	
	Black Ash	65	Pole	7	93	Тад	g Alder	Low	5 - 10 feet	5 - 10 feet	
5	4110 - Sugar N	/laple Asso	ciation	Sawtimb	er Well	126.9	97	111-140	N/A	,	2025: High quality northern hardwoods stand. Mainly sugar maple in
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Can	opy Species	Density	Avg. Height	Size	overstory. Regeneration is spotty but in gaps there is seedlings. Average basal area is 120-130.This stand was havested fall of
	Sugar Maple	70		12	97	Bals	sam Fir	Low	5 - 10 feet	5 - 10 feet	2004 under contract number 33-002-02-01 "102 Part Two". The BA
	Yellow Birch	5		10		Suga	r Maple	Low	>20 feet	>20 feet	average among 9 points is 85.5. Trace amount of butternut, red
	Basswood	20	Log	12		White	Spruce	Low	5 - 10 feet	5 - 10 feet	feet maple, and elm.

Medium

10 - 20 feet

10 - 20 feet

Ironwood

5

White Ash



Stand	Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments				
6	4130	- Aspen		Sapling	y Well	12.3	24	1-50	N/A	Α	2025: The aspen in this stand has regenerated very well. Mainly all				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	quaking aspen and balsam fir.This stand was harvested during the winter of 2001 under contract number 33-015-97-01 "3rd Times a				
	Quaking Aspen	85	Sapling/Pole	4	24	Whi	te Spruce	Low	< 5 feet	< 5 feet	Charm". Open areas with spruce and fir on the south finger of the				
	Balsam Poplar	5	Sapling/Pole	4		Ва	lsam Fir	Medium	< 5 feet	< 5 feet	east side of stand 6.				
	Balsam Fir	10	Pole/Sapling	5				'	1		-				
7	6117 - Lowland Coni	Deciduous iferous	, Mixed F	Poletimb	er Well	12.7	88	51-80	N/A	A	2025: Lowland mix of ash, fir, cedar, and red maple. Lower quality stand. This stand was set up and not completed under the				
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	Patches sale closed out in 2022.				
	Red Maple	15		8		Ва	lsam Fir	Medium	10 - 20 feet	10 - 20 feet					
	Paper Birch	20	Pole	9	88	Re	d Maple	Medium	10 - 20 feet	10 - 20 feet					
	Balsam Poplar	15	Pole	9		Ta	ıg Alder	Low	5 - 10 feet	5 - 10 feet					
	Balsam Fir	15	Pole	9		Bla	ack Ash	High	10 - 20 feet	10 - 20 feet					
	White Spruce	5	Pole	9											
No	rthern White Cedar	10	Pole	9											
	Black Ash	20	Pole	8	88										
8	4130	- Aspen	F	Poletimb	er Well	12.1	39	51-80	There is a sugar maple and balsam fir	2025: Good quality aspen stand that varies 6-8 inches in diameter.					
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	be cut within the next 2 entries.Check age next time. Updated				
	Sugar Maple	5		5		Bla	ack Ash	Low	10 - 20 feet	10 - 20 feet	after compartment line change error.				
	Red Maple	5	Pole	6		Whi	te Spruce	Low	5 - 10 feet	5 - 10 feet					
	Paper Birch	5	Pole	6		Ва	lsam Fir	Medium	10 - 20 feet	10 - 20 feet					
	Quaking Aspen	60	Pole	7	39	Re	d Maple	Low	10 - 20 feet	10 - 20 feet					
	Balsam Poplar	10		7											
	Balsam Fir	10	Pole	6											
	White Spruce	5	Pole	6											
9	4112 - Maple, Beec	h, Cherry A	Association S	Sawtimb	er Well	2.7	90	111-140	N/A	A	2025: Northern hardwood stand that is blocked by rivers on both sides				
	Canopy Species		Size Class		l Age										
	Sugar Maple	60	Log	11	90										
	Red Maple	20	Log	10											
	Yellow Birch	5	Pole	6											
	Balsam Fir	10	Pole	6											
No	rthern White Cedar	5	Pole	8											
10	4112 - Maple, Beec			Sawtimb	er Well	5.8	97	111-140	N/A	A	2025: This stand is a mix of sugar and red maple. There is very little regeneration in here. This stand would need to be remarked as the				
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	paint is faded. This stand was set up and not completed under				
	Sugar Maple	45	Log	10	97		lsam Fir	Low	5 - 10 feet	5 - 10 feet	the Patches sale completed in 2022.				
	Red Maple	45	Log	10			ar Maple	Low	Variable	Variable					
	Yellow Birch	5	Pole	8		Iro	onwood	Medium	10 - 20 feet	10 - 20 feet					

Bigtooth Aspen

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7 - Stands Compartment: 102
Year of Entry: 2027

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Stand	Level 4 Cover Type			Size Density		Acres Stand Age BA		A Range	Managed S	Site	General Comments 2025: This stand is a mix of aspen regeneration patches, red maple, and balsam fir. The aspen is of good quality and is around 8 inches		
11	4191 - Mixed Upland Deciduous with Conifer			Poletimber Medium		n 43.9	37	51-80	N/A				
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	dbh. This stand varies with patches of regen that is filling in with spruce and fir Upland area that did not regenerate very well		
	Red Maple	25	Pole/Log	9		Balsa	am Poplar	Low	5 - 10 feet	5 - 10 feet	following the timber harvest. Area is fillling in with balsam and spruce		
	Quaking Aspen	30	Pole/Sapling	5	37	Bal	sam Fir	Medium	10 - 20 feet	10 - 20 feet	and some patches of aspen (A3) also. This stand was harvested		
	Balsam Poplar	15		7		Quak	ing Aspen	Low	5 - 10 feet	5 - 10 feet	under contract number 33-028-84-01 Dog Leg Balsam. Open areas with A3/6 pockets and F3/6 pockets.		
	Balsam Fir	20	Pole	8		Та	g Alder	Low	5 - 10 feet	5 - 10 feet	with 70% pockets and 10% pockets.		
12	4112 - Maple, Beec	4112 - Maple, Beech, Cherry Association Sa			awtimber Well		90	111-140	N/A		2025: Northern hardwood stand with a few hemlock and a fir		
	Canopy Species % Cover Size Class		Size Class	DBH Age		Sub-Car	nopy Species	Density	Density Avg. Height		component. Lower quality maple.This stand was put up and not completed under the Patches sale not completed in 2022. Treated in		
	Sugar Maple	35	Log	10		Sug	ar Maple	Low	10 - 20 feet	10 - 20 feet	2001 under the 3rd times a charm sale 33-15-97-01 in 2001. All		
	Red Maple	45	Log	10	90	Quak	ing Aspen	Medium	10 - 20 feet	10 - 20 feet	aspen, white birch, balm, balsam fir, spruce were cut. Hardwoods		
	Yellow Birch	5		8		Balsa	am Poplar	Low	10 - 20 feet	10 - 20 feet	were marked. Pockets of aspen regeneration.		
	Balsam Fir	5	Pole	5		Hazel	nut (Spp.)	Low	5 - 10 feet	5 - 10 feet			
	Hemlock	5		8		Whit	e Spruce	Medium	5 - 10 feet	5 - 10 feet			
	Black Ash	5	Pole	8		Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet			
13	310 - Herbaceous Openland None				3.4		No		Scattered spruce, aspen, and balm about 5-10 feet tall.				
						Sub-Car	nopy Species	Density	Avg. Height	Size			
						Bal	sam Fir	Low	10 - 20 feet	10 - 20 feet			
						Balsa	am Poplar	Low	5 - 10 feet	5 - 10 feet			
20	0 6111 - Lowland Balsam Poplar		Poplar F	Poletimb	er Well	17.1	40	51-80	N/A		2025: Nice stand of mixed aspen and bam. There is a component of ¬ fir and spruce that is 6-8 inches dbh. This stand should be treated		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	next entry as the age is 40.This stand was harvested in 1985		
	Quaking Aspen	20		8		Balsa	am Poplar	Low	10 - 20 feet	10 - 20 feet	under contract number 33-015-83-01 "Smith Balsam". This stand has		
	Balsam Poplar	65	Pole	8	40	Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	small scattered openings within it.		
	Balsam Fir	10		6		Bla	ick Ash	Low	10 - 20 feet	10 - 20 feet			
	White Spruce	5	Pole	8		Whit	e Spruce	Low	5 - 10 feet	5 - 10 feet			
25	4130	F	Poletimb	er Well	4.9 37 81-110		81-110	IO N/A		2025: Aspen stand with Balsam poplar. The aspen is 6-8 inches dbh			
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	with some measuring 9 inches dbh.BA ranges from 90-150. This stand was harvested winter of 1986-1987 under contract number 33-		
	Sugar Maple	5	Pole	9		Whit	e Spruce	Low	< 5 feet	< 5 feet	054-83-01 "Butternut Hardwoods".		
	Basswood	5	Log	12		Iro	nwood	Low	5 - 10 feet	5 - 10 feet			
	Quaking Aspen	60	Pole	8	37	Bal	sam Fir	Low	10 - 20 feet	10 - 20 feet			
	Balsam Poplar	20	Pole	7						•	_		
	Balsam Fir	5	Pole	9									
	Black Cherry	5	Pole	8									



Stand Level 4 Cover Type			Size De	nsity	Acres	Stand Age E	BA Range	Managed S	Site	General Comments	
26	6128 - Lowland Coniferous, Mixed P Deciduous			Poletimber Medium		12.5	90	81-110	N/A		2025: Mainly a cedar stand with a hardwood component. There is a large amount of cedar blown over in the western corner.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	anopy Species	Density	Avg. Height	Size	Somewhat low ground. Northwest corner is a pocket of cedar with large yellow birch, white spruce, and black ash. The southeast portio
	Red Maple	5	Pole	9		Ва	ılsam Fir	Full	Variable	Variable	was included with stand 32. Full understory of balsam fir and mixed
Yellow Birch Paper Birch Balsam Poplar		10	Pole	9		BI	ack Ash	Low	Variable	Variable	species with scattered overstory of paper birch, cedar, mixed
		10	Pole	9	75	Pa	per Birch	Low	5 - 10 feet	5 - 10 feet	deciduous and mixed conifer. Look at treating with stand 32 and larger stand 24 to make harvest worthwhile and increase the volume
		5 Pole	Pole	9		Ta	ag Alder	Low	5 - 10 feet	5 - 10 feet	of balsam fir.
	Balsam Fir	15	Pole/Sapling	g 5		Yel	low Birch	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	5	Pole	9		Whi	ite Spruce	Medium	Variable	Variable	
Nor	thern White Cedar	45	Log/Pole	10	90			1	1	1	_
31 6120 - Lo		wland Cedar		Poletimber Well		46.4	126	171-200	N/A		2025: Cedar swamp with a small birch and ash
	Canopy Species	% Cover Size Class		DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	component.Predominately cedar in the north part of the stand and as you go south stand has more birch mixed in. Small island
	Red Maple	2	Pole/Log	9		Ва	ılsam Fir	Low	5 - 10 feet	5 - 10 feet	balm on south end. Smaller as you go south.
	Paper Birch	5	Pole/Log	9		Northern	n White Cedar	Low	>20 feet	>20 feet	
	Balsam Fir	5	Pole	9		Bals	am Poplar	Low	10 - 20 feet	10 - 20 feet	
Nor	thern White Cedar	88	Pole/Log	9	126						
32	4319 - Mixed	d Upland Forest Sawtimber Well			6.6	126	81-110	N/A	λ	2025: Hardwood stands that are blocked by a cedar stand to the wes	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	This stand is in the deer wintering complex so cutting of cedar is not allowed.Ridges of hardwood within a cedar type with mostly
	Red Maple	30	Log/Pole	12	70	Northern	n White Cedar	Low	>20 feet	>20 feet	cedar between the ridges. The north piece was broken out of stand
	Yellow Birch	15	Log	14		Balsam Fir Medium	Variable	Variable	26 with more red maple and less cedar than the south piece. Balsar		
	Balsam Fir		Pole	Pole 9						understory.Look to treat this with stand 36 and larger stand 34 making this stand worthwhile to harvest.	
	White Spruce	5	Pole	9							making this stand worthwhile to harvest.
Nor	thern White Cedar	40	Log/Pole	10	126						
34	6139 - Mixed	Lowland F	orest Po	oletimber	Medium	5.2	92	51-80	N/A	\	2025: Stand is mainly dead ash with some yellow birch and fir. This
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	could be treated in the next 2 entrys but stand is mainly poles.Stand is filling in with red maple, balsam fir, balm, and
	Balsam Poplar	10	Pole	7		BI	ack Ash	High	10 - 20 feet	10 - 20 feet	ash. Small area of cattails (NW). BA ranges from 30-100.
	Balsam Fir	20	Pole	8		Bals	am Poplar	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	15	Pole	8		Re	ed Maple	Low	10 - 20 feet	10 - 20 feet	
Nor	thern White Cedar	15	Log	10		Ва	ılsam Fir	Medium	5 - 10 feet	5 - 10 feet	
	Black Ash	40		6	92	Whi	te Spruce	Low	5 - 10 feet	5 - 10 feet	
35	4130	- Aspen		Sapling	Well	6.8	13	Immature	N/A	\	2025: Aspen is very full and healthy.Treated in 2012 under permit
	Canopy Species	% Cover	Size Class	DBH	Age						330181102, Second half sale. Winter harvest. This stand was part of the 2011 additional acreage.
(Quaking Aspen	85	Sapling	2	13						
	Balsam Fir	5	Sapling	2							
Nor	thern White Cedar	5	Pole	9							
	Black Ash	5	Pole	8							



Stand	Level 4 Co	over Type		Size Density		Acres	Stand Age B	A Range	Managed S	ite	General Comments	
36	4110 - Sugar Maple Association			Sawtimber Well		1.9	97	111-140	N/A		2025: Moderate quality northern hardwood stand. Has a component of	
	Canopy Species	cies % Cover Size Class		DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	basswood and yellow birch. Basal area does varies in spots but remains above 100. Low regeneration of maple. This stand was	
	Sugar Maple	65		10	97	Bal	sam Fir	Medium	Variable	Variable	harvested fall of 2004 under contract number 33-002-02-01 "102 Part	
	Red Maple	5		10		Iro	nwood	Full	< 5 feet	< 5 feet	Two". This stand is similar to stand 24. Harvest with larger hardword	
	Yellow Birch	5	Pole	8		Whit	e Spruce	Low	5 - 10 feet	5 - 10 feet	stand 24 when that is ready. Three plots average 93 BA ranging from 50-130.	
	Basswood	20	Log/Pole	10								
	Balsam Fir	5	Pole	8								
37	37 330 - Low-Density Trees			Nor	ne	5.4		No			This stand is within the Friday Creek riparian area which and provides a wildlife travel corridor. SCA value is riparian buffer along Friday Creek. Scattered cedar, white spruce, maple on edge, tag alder, balm, with overall less than 25% cover type.	
38	6124 - Lowland Spruce-Fir			Sapling Poor		6.4 35		1-50 N/A		1	2025: This stand is a wetland mixed with saplings and poles.Very	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	poorly stocked stand. Mostly an L type. Mixed reproduction of tamarack, spruce, balsam, birch, black ash.	
	Paper Birch	15	Sapling/Pole			Bal	sam Fir	Medium	5 - 10 feet	5 - 10 feet	tamarack, spruce, baisam, biron, black asm.	
	Balsam Fir	35	Pole/Sapling	5	35	Ta	g Alder	High	5 - 10 feet	5 - 10 feet		
	White Spruce	30	Pole/Sapling	5		Whit	e Spruce	Medium	5 - 10 feet	5 - 10 feet		
	Black Spruce	15	Sapling/Pole	3		Blac	k Spruce	Low	< 5 feet	< 5 feet		
	Black Cherry	5	Pole	6						,	-	
41	41 4130 - Aspen			Sapling	Well	2.9 23 Immatu		mmature	N/A	1	2025: Good aspen regeneration, dbh average is 4 inches.This	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	stand was treated in 2001 under contract number 33-015-97-01 "3rd Times a Charm". Was part of stand 2 but when sale was prepared	
	Red Maple	10	Sapling	3		Blac	k Cherry	Low	5 - 10 feet	5 - 10 feet	this stand was treated different due to the amount of aspen in it.	
	Paper Birch	10	Sapling	3		Bal	sam Fir	Low	5 - 10 feet	5 - 10 feet	North end of stand is a3 with the south end dropping into white	
	Quaking Aspen	65		4	23	Whit	e Spruce	Low	5 - 10 feet	5 - 10 feet	spruce, balsam fir, red maple, paper birch, and some black cherry.	
	Balsam Fir	5	Sapling	3						l		
	White Spruce	5	Sapling	3								
	Black Cherry	5	Sapling	3								
42	4110 - Sugar N	laple Asso	ciation S	Sawtimb	er Well	164.2	97	81-110	N/A	\	2025: Higher quality northern hardwood stand. The stand is sugar	
	Canopy Species	% Cover Size Class		s DBH Age							maple dominated with a component of basswood, yellow birch and cherry. Average BA is 110 with some areas in 130.This stand	
	Sugar Maple	60		11	97						was treated in 2003, under contract 33-011-00-01 "Maki Road	
	Red Maple	5	Log/Pole	10							Hardwoods". Open areas within this stand. Some under-planting of	
	Yellow Birch	5	Pole	5							white pine and/or hemlock, mainly in the more open areas. Few pine seedlings found within enclosures. Within treatment area species	
	Basswood	25	Log	12							found were balm, sugar maple, red maple, ironwood, white spruce,	
	Ironwood	5	Sapling/Pole	4							balsam fir, and elm. The BA ranges were from 50-100.	



Stand	Stand Level 4 Co		ver Type		Size Density		Stand Age	BA Range	Managed Site		General Comments	
43	4190 - Mixed Upland Deciduous with Cedar			Sapling Medium		ım 5.8	4 In	Immature			This stand was harvested under the Patches sale completed in 2021.	
	Canopy Species	% Cover	Size Class	s DBI	I Age							
	Red Maple	35	Sapling	1	4							
	Paper Birch	5	Sapling	1								
	Quaking Aspen	20	Sapling	1								
	Balsam Fir	15	Sapling	1								
	White Spruce	5	Sapling	1								
No	rthern White Cedar	20	Pole	9								
45	45 6132 - Mixed Lowland Forest with Cedar		Poletimber Poor		82.0	91	1-50	N/A	ı	2025: Lowland tag alder swamp along Elm creek. This stand has a		
	Canopy Species	% Cover	Size Class	s DBI	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	few scattered birch and cedar throughout.This stand is within the Friday Creek riparian area which and provides a wildlife travel	
	Red Maple	5	Pole	9		Ta	ag Alder	Medium	5 - 10 feet	5 - 10 feet	corridor. SCA value is riparian buffer along Friday Creek. Mix of 0-	
	Balsam Poplar 5		Pole	9		Balsam Fir		Low	5 - 10 feet	5 - 10 feet	25% with lowland brush and flooding to 75-100 pockets of cedar and	
	Balsam Fir	5	Pole	8							black ash areas. Other species include yellow birch, elm, hardwoods along the edge and lowland brush.	
	White Spruce	5	Pole	9							along the oago and loward brach.	
No	rthern White Cedar	35	Pole	9								
	Black Ash	45	Pole	8	91							
400	310 - Herbaceous Openland		None		8.7			No		2025: Aspen and hardwoods filling into grassy opening.MAPLE		
						Sub-Ca	nopy Species	Density	Avg. Height	Size	AND FIR ENCROACHING.	
						Qual	king Aspen	Trace	< 5 feet	< 5 feet		
						Su	gar Maple	Trace	< 5 feet	< 5 feet		
401	310 - Herbaceous Openland			None		7.8			No		2025: Opening that appears to be planted with winter wheat. There is	
						Sub-Ca	nopy Species	Density	Avg. Height	Size	hardwood mixed islands in this stand.Aspen encroaching. Small island of ironwood and hardwood in the center of the opening.	
						Suç	gar Maple	Low	>20 feet	>20 feet	Scattered balsam fir, paper birch,	
						Wh	ite Spruce	Low	Variable	Variable		