

Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45203
Entry Year 2027
Acreage: 3,054
County: Mackinac

Management Area: St. Ignace Lake Plain

Stand Examiner: Kevin Bryers

Legal Description:

T42N-R11W, Sections 23 -26, 35 and 36 and T42N-R10W Section 19

Identified Planning Goals:

Southeastern portion of Simmons Woods acquisition. This area was purchased in 1996 and had been actively managed prior to that date. This acquisition provides a contiguous link of state land between Big Knob and Point Patterson. Most of the compartment is within designated Special Conservation and Ecological Reference Areas. Stand Site Conditions exist on almost the entire compartment, limiting potential management. Management goals for 2027 are: thin three northern hardwood stands, two Red Pine stands, and clearcut one aspen stand.

Soil and topography:

Area ranges from low swamps to beach ridges and some northern hardwood stands. Soil types include Leafriver-Croswell-Wainola complex, Springlake loamy coarse sand, Eastport-Leafriver complex, Guardlake fine sandy loam, Markey and Carbondale mucks, Spot-Finch complex, Eastport sand, and Croswell sand.

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

Mostly state land, including two other Simmons Woods compartments. Duel Lake is a meandered lake and there is some private land adjacent to the northwest corner of this compartment.

Unique Natural Features:

Provides contiguous link of state land between Big Knob and Point Patterson; includes a wooded dune and swale complex. Plants associated with Lake Michigan dune complex are found along the lakeshore. There is potential for numerous raptor species to use the mature hardwood and/or pine stands.

Archeological, Historical, and Cultural Features:

Sites are known to exist.

Special Management Designations or Considerations:

This compartment lies within the Simmons Woods area. Most of the compartment is within designated Special Conservation and Ecological Reference Areas. Stand Site Conditions exist on almost the entire compartment, limiting potential management.

Watershed and Fisheries Considerations:

This compartment contains Duel Lake, Browns Lake, Barns Pond, Cataract River, Crow River and Shedowin Creek. The Cataract River, Shedowin Creek, and the Crow River are designated Type 1 trout streams less than 50-ft wide that have predicted mean July water temperatures that range from 61.2 to 64.2°F (cold streams). 300-foot buffers are recommended for the Cataract River, Shedowin Creek, and the Crow River 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 resources in accordance with Best Management Practices. Duel Lake, Browns Lake and Barns Pond are natural lakes that exist in this compartment. 100-foot, plus 5 feet per 1% increase in slope, buffers are recommended to protect inland lake shoreland areas in accordance with Best Management Practices. The isthmus between Duel Lake and Browns Lake is approximately 150-ft. It may be beneficial to excavate an open-water channel between the two waterbodies. Connecting Duel Lake and Browns Lake may benefit the fish communities by providing access to better spawning habitat.

Wildlife Habitat Considerations:

This compartment is in the St. Ignace Lake Plain Management Area where featured wildlife species include American marten, American woodcock, black bear, blackburnian warbler, black-throated blue warbler, ruffed grouse, sharp-tailed grouse, snowshoe hare, and white-tailed deer. It is part of the Simmons Woods area. Habitats in this compartment range from wooded dune and swale complex to northern hardwoods. Duel Lake is located along the west side of the compartment. All but the northwest corner of the compartment is part of a dedicated habitat area for core interior forest species. Most of the area east and south of Duel Lake is wooded dune and swale complex or shoreline area, and most of it is part of an environmental reference area. There are a number of rare species in this zone. Finally, most of the

compartment is also part of deer wintering complex. Some management is planned in the northwest corner in the Duel Lake area. Many of the treatments are in northern hardwoods and the goal is encouraging age class and structural diversity. Species diversity will be maintained, including retaining hemlock. The rest of the compartment will be left and rare species and habitats protected. In addition, shoreline habitat will be protected to provide habitat for endemic plants and shore birds. However, invasive species control may be necessary to maintain the natural habitat. A variety of species will benefit from the habitat in this compartment including, but not limited to, blackburnian warbler, bear, white-tailed deer, and snowshoe hare.

Mineral Resource and Development Concerns and/or Restrictions

Compartment 203 Section 19, T42N R10W and sections 23-26 & 35-36, T42N R11W, Mackinac CountyNo known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for economic production of metallic minerals in this area. The closest known active sand & gravel operation is more than two miles north. Potential for development of any sand & gravel within the compartment appears limited to thin areas of glacial drift over bedrock in the northwest uplands. Extensive exploration (test drilling) for high-purity dolomite was conducted west of the compartment. High-purity dolomite of the Engadine Group is relatively thin in the northwestern portion of the compartment and increases in thickness to the south and east. The State acquired a significant property from Carmeuse just west of the compartment, as part of a land exchange, a few years ago, and the dolomite resources were evaluated as part of the transaction. While valuable dolomite resources occur on/beneath the compartment, potential for economic development of these resources is unlikely in the near future. Development of a new quarry and associated infrastructure would not be economical at this time

Vehicle Access:

Access into this compartment is via Simmons Woods Road. The county road ends before entering state land. The other roads within the compartment are now considered DNR roads. Simmons Trail is part of a larger loop road that continues into the adjacent compartment. Other roads include Bovee Road and Amadon Trail, accessing the compartment to the north; Fox Point Road, which dead-ends at Fox Point; Watson Trail, runs between Simmons Trail and Mitigwaking Trail; and Tower Trail, which heads towards Crow River. These roads vary from good to poor condition, but usually remain passable.

Survey Needs:

Since this is a new acquisition, no department corners exist.

Recreational Facilities and Opportunities:

Primarily hunting, fishing, camping and nature viewing. Nice camping spots located on Duel Lake, as well as by the Lake Michigan shoreline at Fox Point and Steak Fry.

Fire Protection:

Low fire danger area, but lightning strikes have been found in the area. The problem of ground fire exists in the area making mop-up efforts more difficult.

Additional Compartment Information:

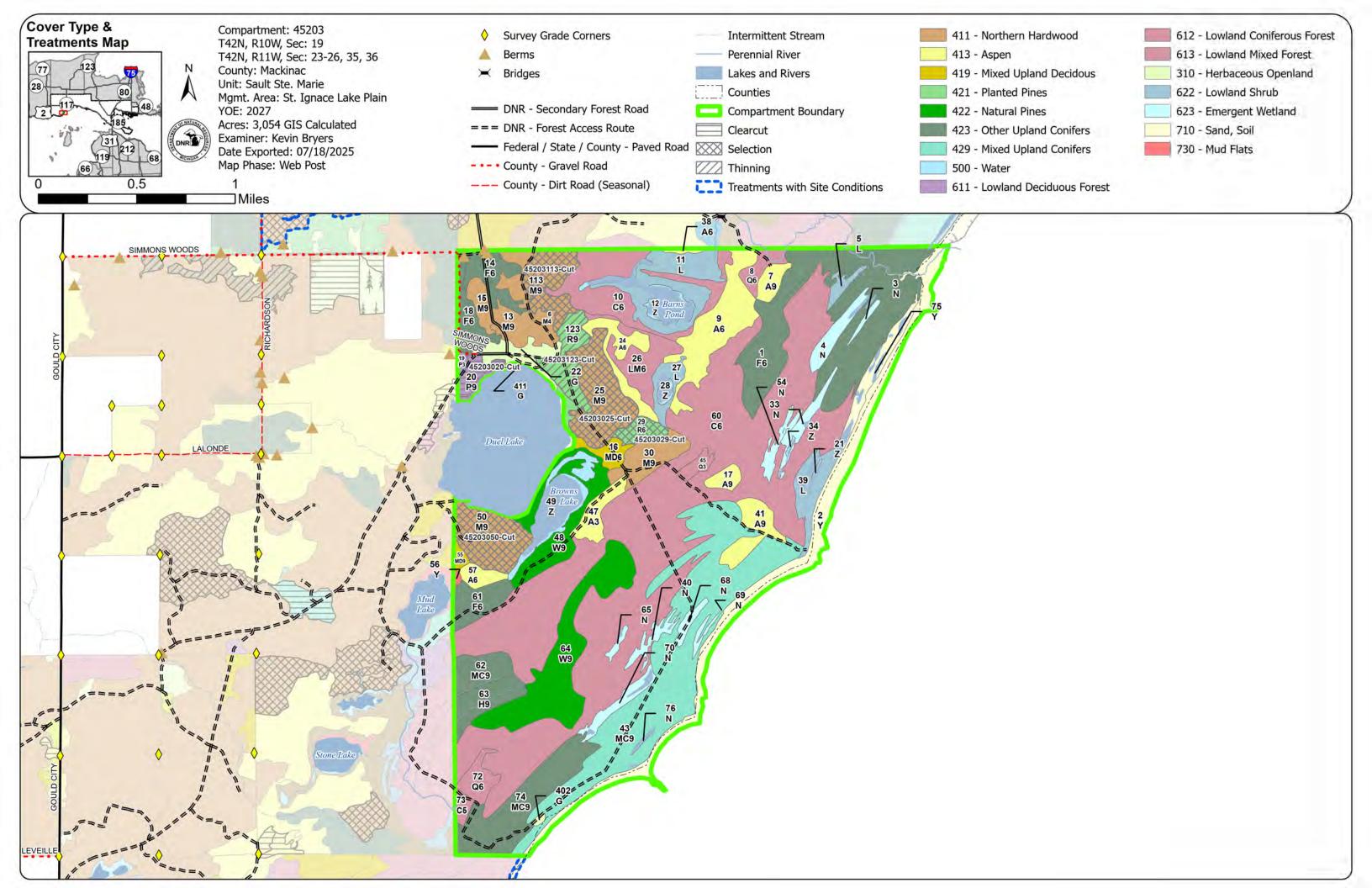
A Forest Treatment Proposal (FTP) has been approved to treat invasive phragmites along the Lake Michigan shoreline. Treatments as per work instructions and FTP may occur along the shoreline as necessary to eliminate the colonizing invasive phragmites.

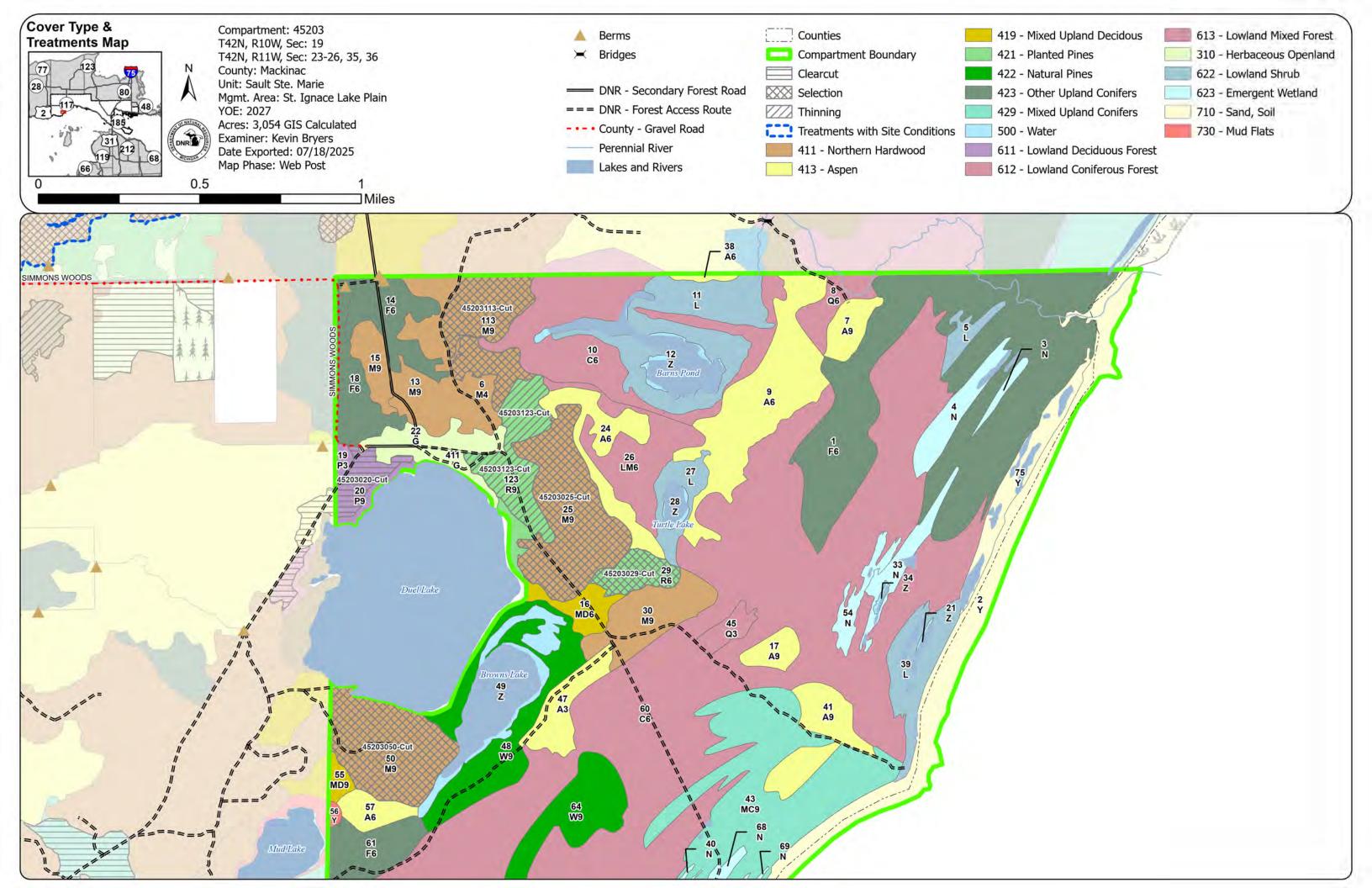
The following reports from the Inventory are attached:

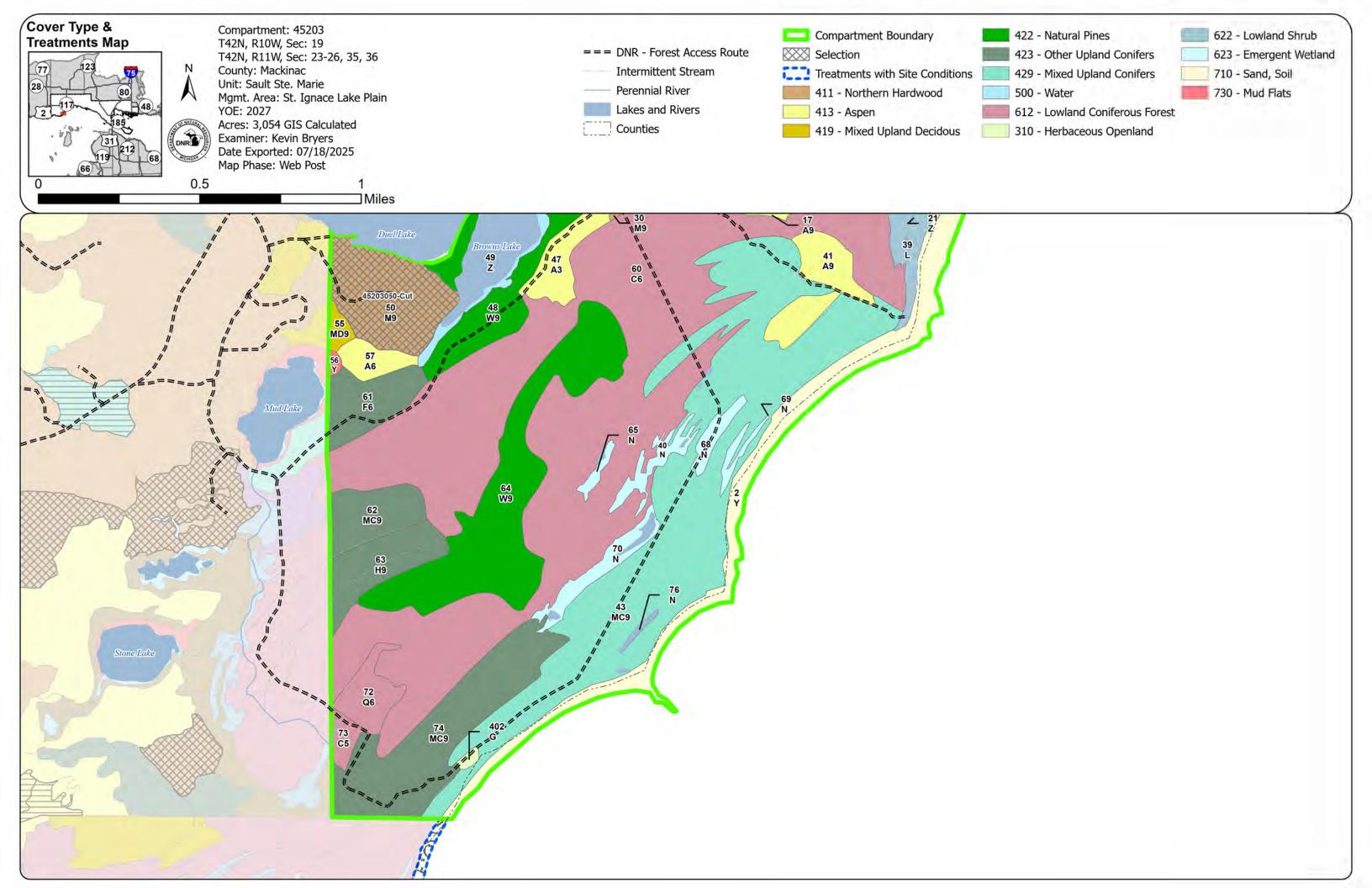
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

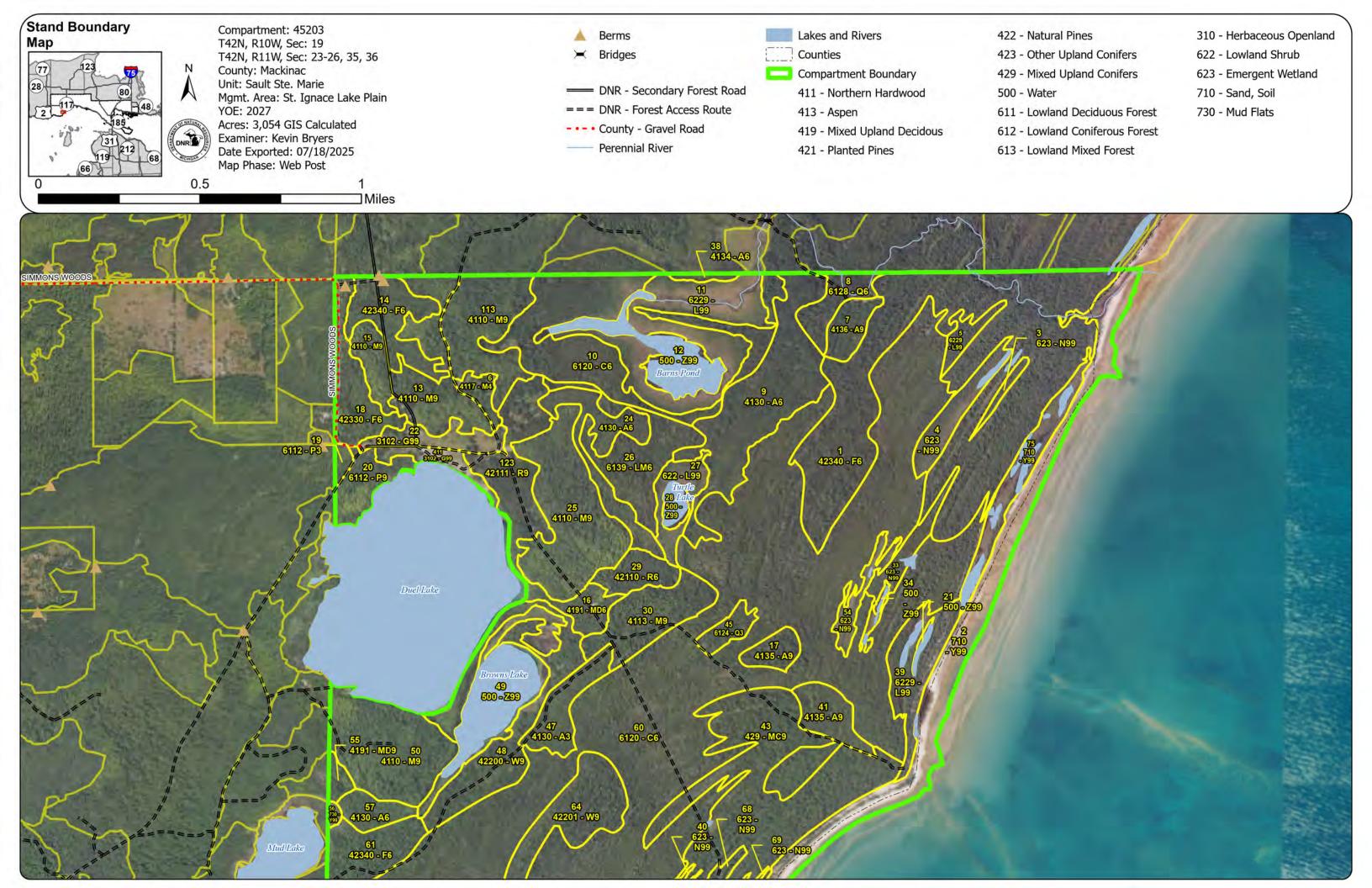
The following information is displayed, where pertinent, on the attached compartment maps:

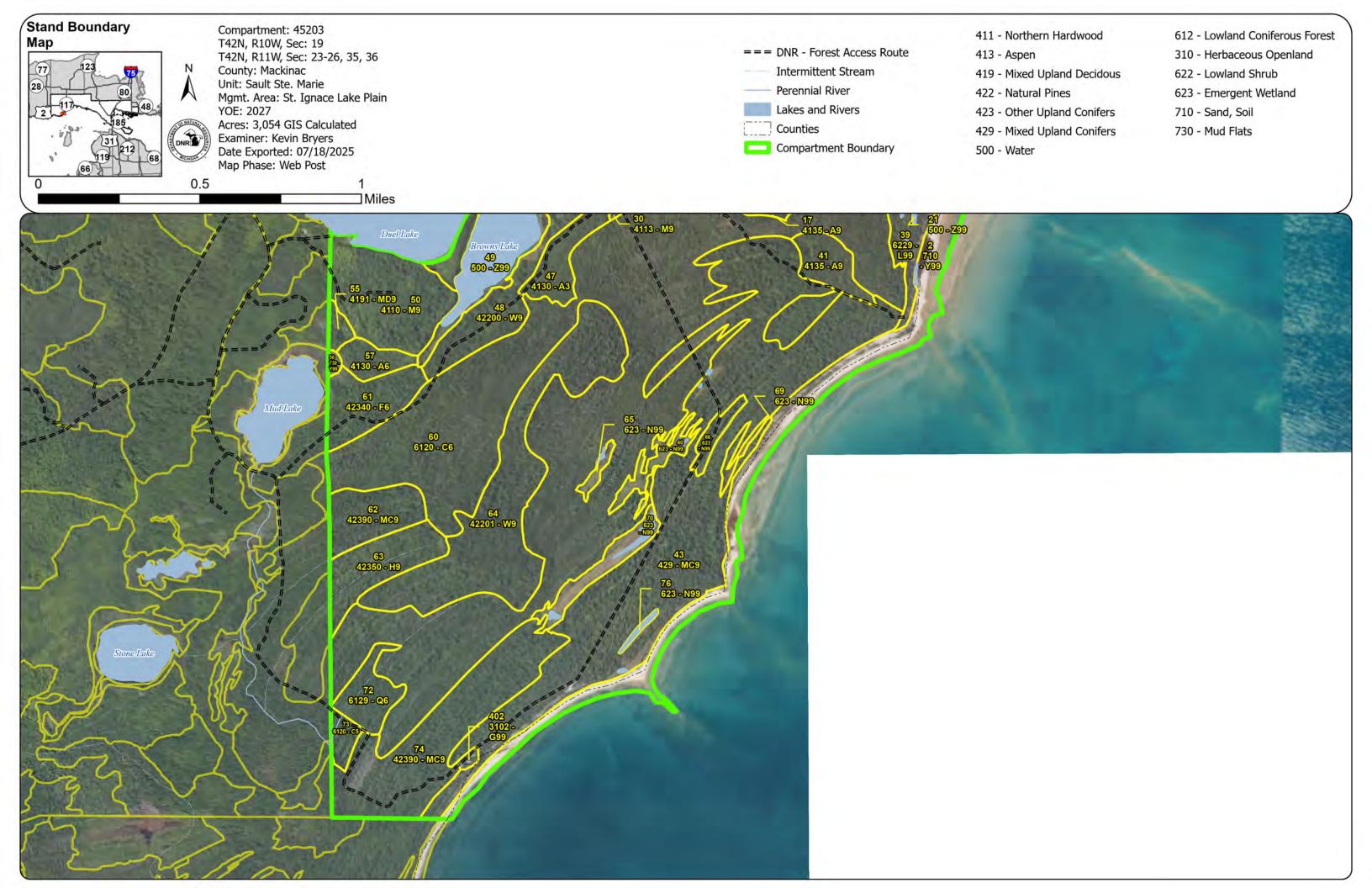
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

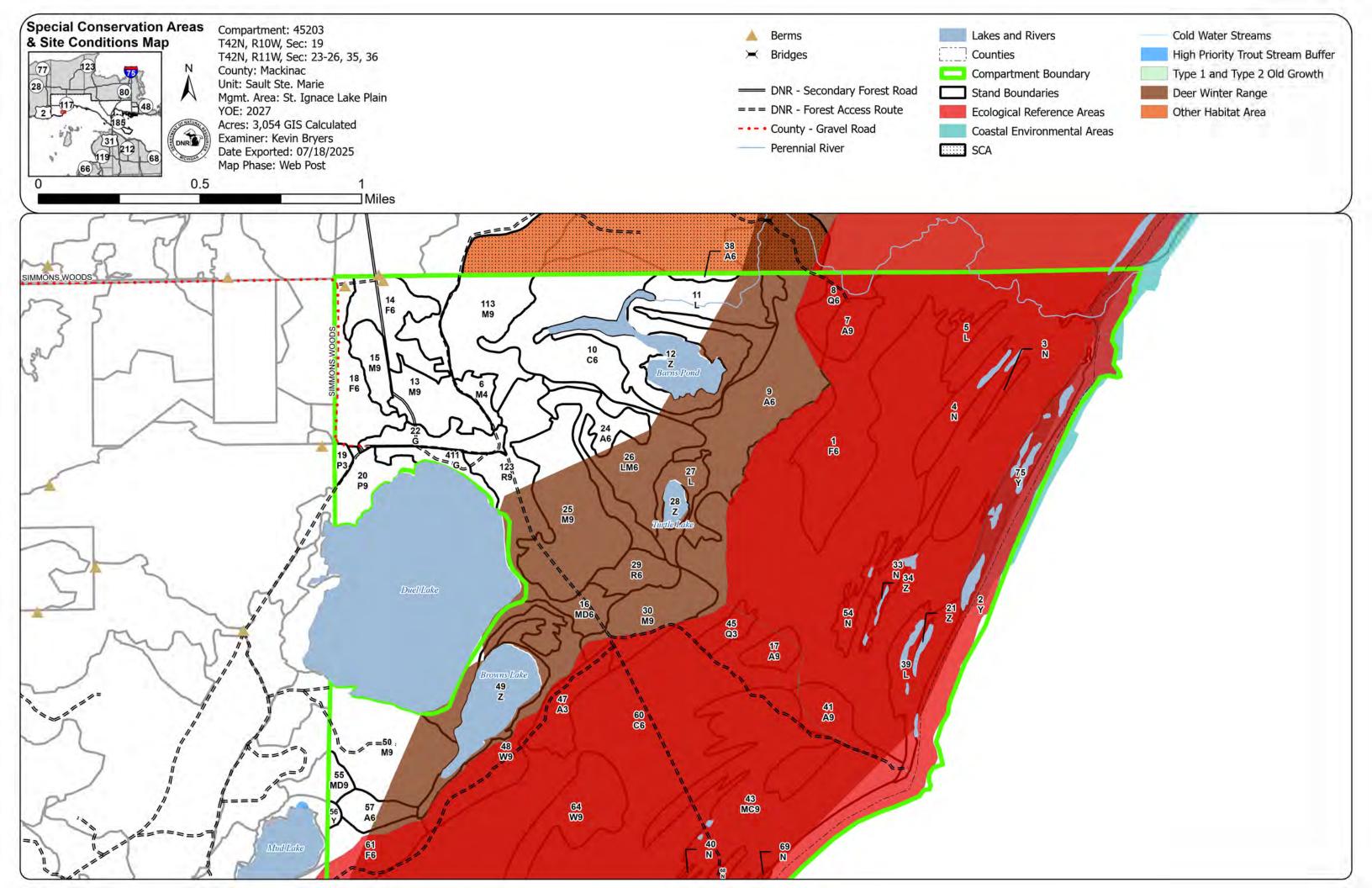


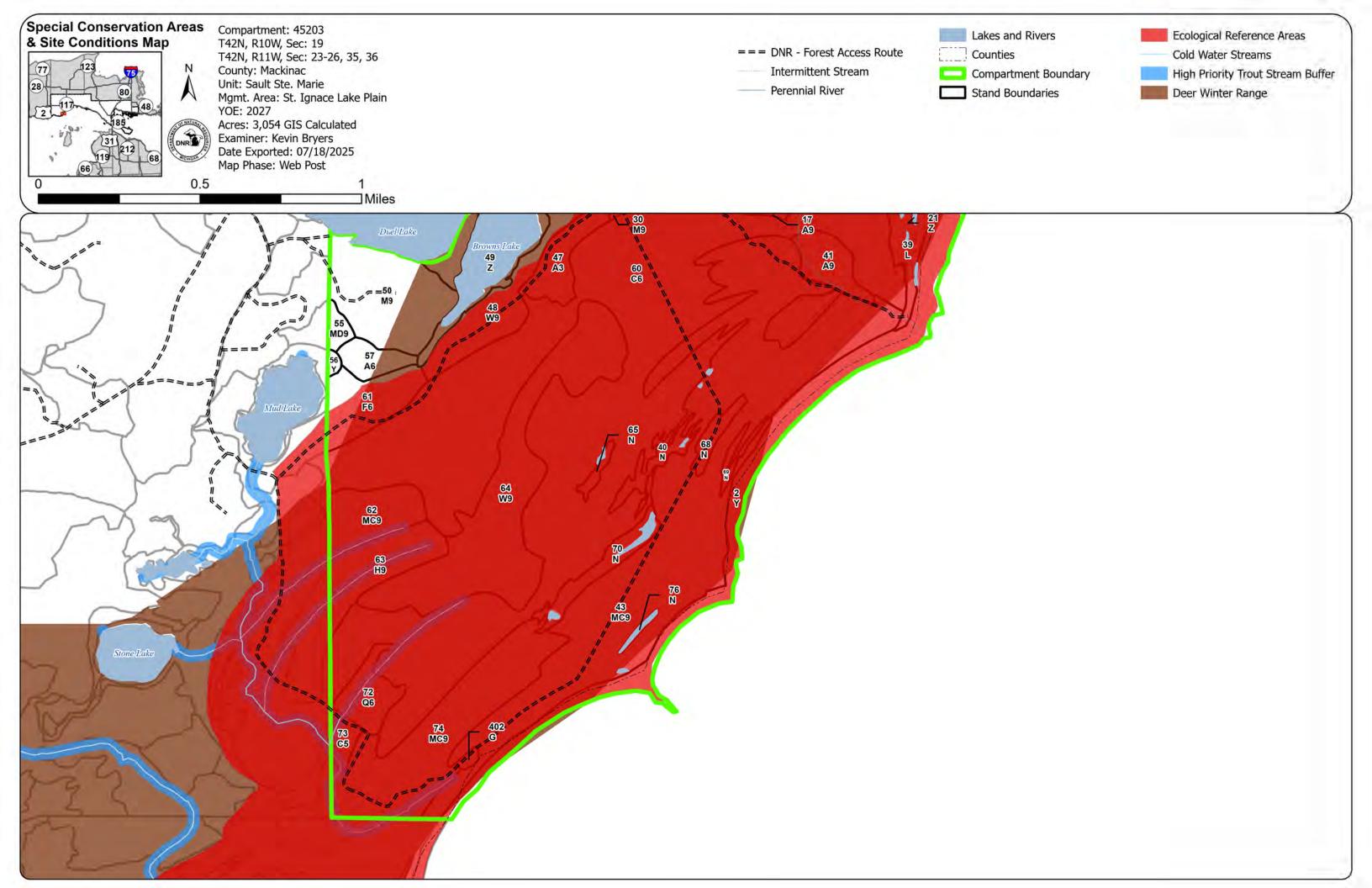












Sault Ste. Marie Mgt. Unit

Kevin Bryers: Examiner



Age Class

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Aonan	10	0	0	<u> </u>	0	47	22	93	0	0	0		0	0	0	0	0	41	203
Aspen Cedar	0	_	0	0	0	0	0	0	0	0		0	0	0	_	0	813	96	
		0		_		_		_	-		0			-	0				909
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	34	0	0	0	0	0	34
Herbaceous Openland	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30
Lowland Aspen/Balsam Poplar	0	0	0	0	0	3	0	0	20	0	0	0	0	0	0	0	0	0	23
Lowland Conifers	0	0	0	0	0	19	9	0	0	0	0	16	0	0	0	0	0	0	44
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	41	41
Lowland Shrub	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	123
Marsh	93	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	19
Northern Hardwood	0	0	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	278	285
Red Pine	0	0	0	0	0	0	0	59	0	0	0	0	0	0	0	0	0	0	59
Sand, Soil	170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	96	294	30	0	0	0	420
Upland Spruce/Fir	0	0	0	0	0	32	31	29	0	0	0	235	0	0	0	0	0	0	327
Water	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	183	183
Total	507	0	0	0	0	108	62	181	20	0	0	251	130	294	30	0	813	658	3054



Report 2 – Treatment Summary

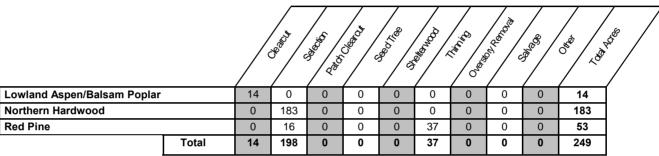
Sault Ste. Marie Mgt. Unit Year of Entry: 2027

Acres of Harvest

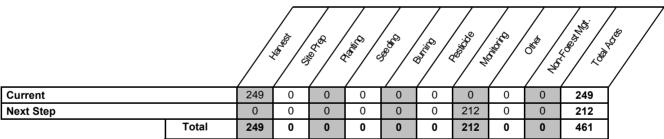
Compartment 203
Total Compartment Acres: 3,054

Commercial Harvest - 463 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

a n d											
u	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Hab Cu
os	ed Treatment	s:									
20	45203020-Cut	13.9	6112 - Lowland Aspen	9	74	81-110	Harvest	Clearcut	6112 - Lowland Aspen	Planting Record	N
Pre Spe	scription Harvest ecs: of merc	all decidonantability	uous species 2" DB y. No harvesting of	H and largecedar. One	er regar hundre	dless of m d feet wid	nerchantability. e buffer where	Harvest all conifer no harvesting will	ous species 4"DBH take place, will al	l and larger r	egardles
	<u>kt Step</u> Monitori atments:	ng, Natur	al Regen (Re-Inver	ntory)							
Rec											
Oth Cor	<u>nment:</u>										
	e Condition:										
Pro	posed Start Date:										
25	45203025-Cut	73.6 4	4110 - Sugar Maple Association	9	109	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	N
			basal area and cut a								ood
Spe			•		ty pole :	sizeu naic	iwood over mai	lure log sized trees	where they exist.	Leave Some	
	<u>kt Step</u> Monitori atments:	ng, Natur	al Regen (Re-Inver	itory)							
	eptable natural										
Rec											
Oth Cor	<u>er</u> Normal <u>nment:</u>	bark slipp	page operating restr	ictions app	oly.						
	Condition:										
	posed Start Date:	10/01/20	026								
29		15.6		6	69	51-80	Harvest	Selection	429 - Mixed	Current	N
			Red Pine						Upland Conifers		
<u>Pre</u>	scription Harvest	all trees	marked with tree m	arking pain	t. Thin t	o 70 BA.					
<u>Spe</u>											
<u>Nex</u>	ecs:		ral Regen (Re-Inver	ntory)							
Nex Trea	ecs: ot Step Monitori atments: ceptable natural:	ng, Natur									
Nex Tres Acc Rec	ct Step Monitori atments: ceptable natural: gen:	ng, Natur	ral Regen (Re-Inver								
Nex Trea Acc Rec Oth Cor	ecs: at Step Monitori atments: ceptable natural: gen: er	ng, Natur	ral Regen (Re-Inver								
Nex Trea Acc Rec Oth Cor	ecs: at Step Monitori atments: ceptable natural: gen: er nment:	ng, Natur species	ral Regen (Re-Inver								
Nex Trea Acc Rec Oth Cor Site	ecs: at Step Monitori atments: eeptable natural: gen: er nment: e Condition:	ng, Natur species 10/01/20	ral Regen (Re-Inver	resent	101	111- 140	Harvest	Selection	411 - Northern Hardwood	Current	١
Nex Trea Acco Rec Oth Cor Site	ecs: At Step Monitorial matural matur	10/01/20 63.0 4	ral Regen (Re-Inverthat are currently processed on the control of	resent 9 all aspen w	hich are	140 e 2" and u	p. Promote und	derrepresented spe	Hardwood ecies and expand ga	aps where go	N
Nex Tres Acc Rec Oth Cor Site Pro Pre Spe Nex	ecs: At Step Monitorial matural matur	ng, Natur species 10/01/20 63.0 4 hin to 80 lation alre	ral Regen (Re-Inver that are currently po 026 4110 - Sugar Maple Association basal area and cut	9 all aspen we high quali	hich are	140 e 2" and u	p. Promote und	derrepresented spe	Hardwood ecies and expand ga	aps where go	
Nex Tres Accor Rec Oth Cor Site Pro 50 Pre Spe Nex Tres Accor	ecs: tt Step Monitoriatments: eptable natural: er mment: c Condition: posed Start Date: 45203050-Cut scription select the regener tt Step Amonitoriatments: eptable natural:	ng, Natur species 10/01/20 63.0 4 nin to 80 lation alreing, Natur northern	ral Regen (Re-Inverthat are currently properties) 026 4110 - Sugar Maple Association basal area and cut ady exists. Promote ral Regen (Re-Inverthardwood species	9 all aspen we high quali	which are	140 e 2" and u	p. Promote und	derrepresented spe	Hardwood ecies and expand ga	aps where go	
Nex Tres Accor Site Pro 50 Pre Spe Nex Tres Accor Reg Oth	ecs: tt Step Monitoriatments: eptable natural: er mment: c Condition: posed Start Date: 45203050-Cut scription select the regener tt Step Amonitoriatments: eptable natural:	ng, Natur species 10/01/20 63.0 4 nin to 80 lation alreing, Natur northern	ral Regen (Re-Inverthat are currently polymers) 026 4110 - Sugar Maple Association basal area and cut ady exists. Promoteral Regen (Re-Invertigation)	9 all aspen we high quali	which are	140 e 2" and u	p. Promote und	derrepresented spe	Hardwood ecies and expand ga	aps where go	
Nex Tres Acc Rec Oth Cor Site Pro 50 Pre Spe Nex Tres Acc Rec Oth Cor	d Step Monitoriatments: ceptable natural: cermment: cer	ng, Natur species 10/01/20 63.0 4 nin to 80 lation alreing, Natur northern	ral Regen (Re-Inverthat are currently properties) 026 4110 - Sugar Maple Association basal area and cut ady exists. Promote ral Regen (Re-Inverthardwood species	9 all aspen we high quali	which are	140 e 2" and u	p. Promote und	derrepresented spe	Hardwood ecies and expand ga	aps where go	

Sault Ste. Marie Mgt. Unit Report 3 -- Treatments Compartment: 45203 S Year of Entry: 2027 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Habitat n Method Objective Structure Name CoverType Density Age Range Type Cut d 45203113-Cut 45.9 4110 - Sugar Maple 81-110 Harvest Selection 411 - Northern Current No Hardwood Association Prescription Prescription Specifications Select thin to 80 basal area and cut all aspen which are 2" and up. Promote underrepresented species and expand gaps where good regeneration already exists. Promote high quality pole sized hardwood over mature log sized trees w Specs: Next Step Monitoring, Natural Regen (Re-Inventory) **Treatments:** Acceptable natural Regen: Other Comment: Normal bark slippage operating restrictions apply. Site Condition: Proposed Start Date: 10/01/2026 123 45203123-Cut 42111 - Planted Planting 37.2 9 69 141-Harvest Thinning 4211 - Planted No Red Pine, Mixed 170 Red Pine Record Deciduous Prescription Harvest red pine trees marked with tree marking paint. Focus on poor quality trees (doubles, crooks, snipes). Reduce basal area to approximately 120. Follow BMP guidelines along lakeshore. Specs: Next Step Treatments:

Acceptable natural

Regen:

Other

Comment:

Site Condition:

Proposed Start Date: 10/01/2026

Total Treatment 249.2 Acreage Proposed:

Report 4 - Site Conditions

Sault Ste. Marie Mgt. Unit

Kevin Bryers: Examiner Year of Entry: 2027



Compartment: 203

Availa	ability for	Managemer	nt					
Total	Acres	Acres Avail	Acres		Domina	nt Site	Con	ditions
Acres	Available	With Condition	Not Available		5F	ЗА	3J	3K
129	47	0	83	Aspen		83		
889	88	0	800	Cedar		800		
34	0	0	34	Hemlock		34		
30	28	0	2	Herbaceous Openland		2		
9	3	0	6	Lowland Aspen/Balsam Poplar			6	
45	0	0	45	Lowland Conifers		45		
41	41	0	0	Lowland Mixed Forest				
123	83	0	40	Lowland Shrub		40		
93	0	0	93	Marsh		93		
19	19	0	0	Mixed Upland Deciduous				
258	249	0	9	Northern Hardwood		9		
22	16	0	6	Red Pine			6	
88	2	0	87	Sand, Soil		87		
418	0	0	418	Upland Conifers		418		
296	0	29	268	Upland Spruce/Fir	29	259		9
91	89	0	2	Water		2		
152	0	0	152	White Pine		152		
2,737	665	29	2,043	Total Forested Acres	29	2,023	12	9
	24%	1%	75%	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.

o. Cond A	vailability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
Una	vailable	3A: Conservation values incompatible with harvest at this time	2,023	Unspecified	Unspecified	Unspecified	Unspecified
Comme		and Swale ERA boundary					

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Compartment: 203 Year of Entry: 2027



Kevin Bryers: Examiner

2	Available	5F: Evaluated for Forest Health Considerations	29	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Monitoring for SBW						
3	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments: buffer for Duel Lake.	. also serves as retention area	ı for ad	jacent harvest.			
4	Unavailable	3K: Rare or unique landforms	1	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	3K: Rare or unique landforms	9	3A: Conservation values incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
	Comments:						
6	Unavailable	3J: Water quality/BMPs (stream, river, or lake)	6	5E: Long-Term Retention	Unspecified	Unspecified	Unspecified
	Comments: Buffer zone along De	uel Lake will also serve as rete	ention a	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				



Stand	d Level 4 C	over Type		Size Der	sity	Acres	Stand Age B	A Range	Managed S	ite	General Comments	MICHIGAN
1	42340 - Upla	and Spruce	/Fir	Poletimbe	r Well	235.2	100	81-110	N/A		Good mix of white spruce and aspen with ridge/swale.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size		
	Quaking Aspen	20		9		Bal	sam Fir	Medium	Variable	Variable		
	Balsam Fir	5	Seedling	6		Whit	e Spruce	Low	Variable	Variable		
	White Spruce	55			100							
	White Pine	5		18								
	Paper Birch	5	Seedling	6								
	Bigtooth Aspen	10		9								
2	710 - 8	Sand, Soil		Non	e	140.3			No			
3	623 - Emer	gent Wetla	nd	Non	9	3.6			No			
4	623 - Emer	gent Wetla	nd	Non)	18.9			No			
5	6229 - Mixed	Lowland S	hrub	Non)	8.1			No			
6	4117 - Mixed N	. Hardwood	- Pine	Poletimbe	r Poor	7.3	48	1-50	N/A		Opening with bushy cherry.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	opy Species	Density	Avg. Height	Size		
	Sugar Maple	10	Pole	4		Blac	k Cherry	Low	5 - 10 feet	5 - 10 feet		
	Balsam Fir	10	Pole	4		Sug	ar Maple	Low	< 5 feet	< 5 feet		
	Red Pine	10		12		E	eech	Low	5 - 10 feet	5 - 10 feet		
	White Pine	10		12								
	Black Cherry	60	Sapling	6	48							
7	4136 - Asper	, Mixed Co	nifer	Sawtimbe	r Well	13.2	64	51-80	N/A			
	Canopy Species		Size Class		Age	Sub-Car	opy Species	Density	Avg. Height	Size		
	Bigtooth Aspen	40		10	64	Re	d Maple	Low	Variable	Variable		
	Balsam Fir	15	Pole	4	64	Bal	sam Fir	Medium	Variable	Variable		
	White Pine	5		16	80							
	Quaking Aspen	40		10	64							

Sault Ste. Marie Mgt. Unit

Compartment: 203 Year of Entry: 2027



Stand	d Level 4 Co	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed Si	ite	General Comments
8	6128 - Lowland (Deci	Coniferous, duous	Mixed	Poletimb	er Well	16.4	108	81-110	N/A		Stand is complete mix, with ridge/swale.
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	25	Seedling	8	108	С	onifers	High	Variable	Variable	
	Quaking Aspen	10		9							_
	Red Maple	5	Seedling	7							
	Paper Birch	20	Seedling	8							
	White Pine	10		12							
	White Spruce	15	Seedling	9							
No	orthern White Cedar	10	Seedling	8							
	Hemlock	5		10							
9	4130	- Aspen		Poletimb	er Well	79.9	64	81-110	N/A		Mix of quaking and bigtooth aspen with some balsam fir.
	Canopy Species	% Cover	Size Class	DBF	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Bigtooth Aspen	40		8	64	Ва	lsam Fir	Medium	Variable	Variable	
	Quaking Aspen	50		8	64	Re	d Maple	Low	Variable	Variable	
	Balsam Fir	10		8	64						_
10	6120 - Lov	vland Ceda	ır	Poletimb	er Well	88.3	123	81-110	N/A		Cedar stand with open wetland in areas.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	10	Sapling	5		С	onifers	Medium	5 - 10 feet	5 - 10 feet	
	Red Maple	10	Seedling	6		Ta	ıg Alder	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	20	Seedling	6							-
No	orthern White Cedar	60		8	123						
11	6229 - Mixed	Lowland Si	hrub	No	ne	68.1			No		
12	500 -	Water		Noi	ne	30.6			No		BURNS POND.
13	4110 - Sugar M	-		Sawtimb		44.0	84	81-110	N/A		Beech is dying out but low stocked. Stand may be ready for a thinning in ten years.
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	
	Sugar Maple	80		12	84		Beech	High	Variable	Variable	
	Balsam Fir	5	Sapling	6		Sug	ar Maple	High	Variable	Variable	
	Quaking Aspen	5		8							
	Beech	10		10	50						
14	42340 - Upla	<u> </u>		Poletimb		31.5	40	51-80	N/A		Stand year of origin is 1994.
	Canopy Species		Size Class		Age		nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	25	Sapling	5	40		Isam Fir	Medium	Variable	Variable	
	Balsam Fir	25	Sapling	5	40		ck Cherry	Low	Variable	Variable	
	White Spruce	50	Sapling	5	40	Whi	te Spruce	Low	Variable	Variable	

Report 7 - Stands



Stand	Level 4 Co	over Type		Size De	nsity	Acres S	tand Age B	A Range	Managed S	ite	General Comments	MICHIGAN
15	4110 - Sugar M	laple Assoc	ciation	Sawtimb	er Well	14.2	99	51-80	N/A	\	Not enough beech to cut.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size		
	Sugar Maple	85		12	99	Ве	ech	High	Variable	Variable		
	Balsam Fir	5	Seedling	8		Iron	wood	Trace	10 - 20 feet	10 - 20 feet		
	Beech	10		12		Balsa	am Fir	Low	Variable	Variable		
16	4191 - Mixed Upla Co	ınd Decidu nifer	ous with	Poletimb	er Well	14.2	50	51-80	N/A	1	A couple red oak found in the stand.	
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cand	py Species	Density	Avg. Height	Size		
Nor	rthern White Cedar	10		6		Striped	d Maple	Low	5 - 10 feet	5 - 10 feet		
	Balsam Poplar	20		8	50	Balsa	am Fir	Medium	Variable	Variable		
	Balsam Fir	10	Sapling	6		Red	Maple	Medium	Variable	Variable		
	Sugar Maple	10		7							-	
	Red Maple	10		7								
	Paper Birch	10		10	104							
I	Bigtooth Aspen	20		8	50							
	Green Ash	10	Sapling	5								
17		pen, Ceda		Sawtimb		10.2	52	51-80	N/A	\	Aspen clear cut done about thirty years ago, prior to state owner	rship.
	Canopy Species		Size Class		Age		py Species	Density	Avg. Height	Size		
(Quaking Aspen	60		10	52	Tag	Alder	Low	5 - 10 feet	5 - 10 feet		
	White Pine	20		16	80							
Nor	rthern White Cedar											
		20		10	80							
18	42330 - 1	Upland Fir		Poletimb		29.1	69	51-80	N/A		Mix of species. Look to harvest all or partial in next inventory c	/cle.
	42330 - Canopy Species	Upland Fir	Size Class	Poletimb		Sub-Cano	py Species	51-80 Density	N/A	Size	Mix of species. Look to harvest all or partial in next inventory of	rcle.
		Upland Fir	Size Class	Poletimb	er Well	Sub-Cano					Mix of species. Look to harvest all or partial in next inventory of	rcle.
	Canopy Species Quaking Aspen Balsam Fir	Upland Fir	Size Class	Poletimb	er Well	Sub-Cand Sugar	py Species	Density	Avg. Height	Size	Mix of species. Look to harvest all or partial in next inventory of	/cle.
	Canopy Species Quaking Aspen	Upland Fir % Cover		Poletimb DBH 7 5 8	er Well	Sub-Cand Sugar Northern V	ppy Species Maple	Density Low	Avg. Height Variable	Size Variable	Mix of species. Look to harvest all or partial in next inventory of	/cle.
	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen	Upland Fir % Cover 10 60 5 5	Sapling	Poletimb 7 5 8 7	er Well	Sub-Cand Sugar Northern V	ppy Species Maple White Cedar	Low Low	Avg. Height Variable Variable	Size Variable Variable	Mix of species. Look to harvest all or partial in next inventory of	/cle.
(Canopy Species Quaking Aspen Balsam Fir Sugar Maple	Upland Fir % Cover 10 60 5 5 15		Poletimb 7 5 8 7 8	er Well	Sub-Cand Sugar Northern V	ppy Species Maple White Cedar	Low Low	Avg. Height Variable Variable	Size Variable Variable	Mix of species. Look to harvest all or partial in next inventory of	/cle.
	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen	Upland Fir % Cover 10 60 5 5	Sapling	Poletimb 7 5 8 7	er Well	Sub-Cand Sugar Northern V	ppy Species Maple White Cedar	Low Low	Avg. Height Variable Variable	Size Variable Variable	Mix of species. Look to harvest all or partial in next inventory of	rcle.
	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen White Spruce	Upland Fir % Cover 10 60 5 15 5	Sapling	Poletimb 7 5 8 7 8	er Well Age 69	Sub-Cand Sugar Northern V	ppy Species Maple White Cedar	Low Low	Avg. Height Variable Variable	Size Variable Variable 10 - 20 feet	Mix of species. Look to harvest all or partial in next inventory of the species o	vcle.
Nor 19	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen White Spruce	Upland Fir % Cover 10 60 5 5 15 5 vland Aspe	Sapling	Poletimb	er Well Age 69	Sub-Cand Sugar Northern V Balsa	opy Species Maple White Cedar am Fir	Density Low Low High	Avg. Height Variable Variable 10 - 20 feet	Size Variable Variable 10 - 20 feet		vcle.
Nor 19	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen White Spruce rthern White Cedar	Upland Fir % Cover 10 60 5 5 15 5 vland Aspe	Sapling Seedling	Poletimb	er Well Age 69	Sub-Cand Sugar Northern V Balsa	opy Species Maple White Cedar am Fir	Density Low Low High	Avg. Height Variable Variable 10 - 20 feet	Size Variable Variable 10 - 20 feet		vcle.
Nor 19	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen White Spruce rthern White Cedar 6112 - Low Canopy Species Paper Birch Quaking Aspen	Upland Fir % Cover 10 60 5 5 15 5 vland Aspe	Sapling Seedling	Poletimb 7 5 8 7 8 8 Sapling	er Well Age 69	Sub-Cand Sugar Northern V Balsa	opy Species Maple White Cedar am Fir	Density Low Low High	Avg. Height Variable Variable 10 - 20 feet	Size Variable Variable 10 - 20 feet		vcle.
Nor 19	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen White Spruce rthern White Cedar 6112 - Low Canopy Species Paper Birch	Upland Fir **Cover* 10 60 5 5 15 5 vland Aspe **Cover* 7	Sapling Seedling n Size Class	Poletimb 7 5 8 7 8 8 8 Sapling DBH 3	69 Well	Sub-Cand Sugar Northern V Balsa	opy Species Maple White Cedar am Fir	Density Low Low High	Avg. Height Variable Variable 10 - 20 feet	Size Variable Variable 10 - 20 feet		vcle.
Nor 19	Canopy Species Quaking Aspen Balsam Fir Sugar Maple Bigtooth Aspen White Spruce rthern White Cedar 6112 - Low Canopy Species Paper Birch Quaking Aspen	Upland Fir % Cover 10 60 5 15 5 vland Aspe % Cover 7 36	Sapling Seedling n Size Class Log Log	Poletimb 7 5 8 7 8 8 8 Sapling DBH 3 3 3	69 Well	Sub-Cand Sugar Northern V Balsa	opy Species Maple White Cedar am Fir	Density Low Low High	Avg. Height Variable Variable 10 - 20 feet	Size Variable Variable 10 - 20 feet		vcle.



Stan	d Level 4 Co	over Type		Size De	nsity	Acres Stand Age	BA Range	Managed S	ite	General Comments	MICHIGAN
20	6112 - Low	vland Aspe	n S	Sawtimb	er Well	19.6 74	81-110	N/A		Good looking mix.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size		
	Sugar Maple	8		8		Balsam Fir	Medium	10 - 20 feet	10 - 20 feet		
	Balsam Fir	30	Seedling	8	74	Sugar Maple	Low	Variable	Variable		
	Beech	2		12		Ironwood	Trace	10 - 20 feet	10 - 20 feet		
	Quaking Aspen	60		10	74					-	
21	500 -	Water		Nor	ne	1.3		No			
22	3102 -	- Grass		Nor	ne	16.9		No		semi open grass area used as camping area.	
24	4130 -	- Aspen	F	Poletimb	er Well	31.2 45	51-80	N/A		Young aspen stand with some mix.	
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Speci	es Density	Avg. Height	Size		
	Balsam Fir	5	Seedling	6	45	Red Maple	Low	Variable	Variable		
	Bigtooth Aspen	5	Seedling	6	45	Sugar Maple	Low	Variable	Variable		
	Quaking Aspen	90	Seedling	6	45	Striped Maple	Low	10 - 20 feet	10 - 20 feet		
	Quaking Aspen		0								
	Quaking Aspen					Balsam Fir	Low	Variable	Variable		
25	4110 - Sugar M			Sawtimb	er Well	73.6 109	111-140	Variable N/A		Some large beech in the stand, beech is dying.	
25		laple Assoc			er Well		111-140			Some large beech in the stand, beech is dying.	
25	4110 - Sugar M	laple Assoc	ciation (73.6 109	111-140	N/A		Some large beech in the stand, beech is dying.	
25	4110 - Sugar M Canopy Species	laple Assoc	ciation (DBH	I Age	73.6 109 Sub-Canopy Speci	111-140 es Density	N/A Avg. Height	Size	Some large beech in the stand, beech is dying.	
25	4110 - Sugar M Canopy Species Sugar Maple	laple Assoc	ciation (DBH	109 109	73.6 109 Sub-Canopy Speci	111-140 es Density Medium	N/A Avg. Height Variable	Size Variable	Some large beech in the stand, beech is dying.	
25	4110 - Sugar M Canopy Species Sugar Maple White Ash	laple Assoc % Cover 95 3 2	ciation \$	16 12	109 109 109	73.6 109 Sub-Canopy Speci Beech Sugar Maple	111-140 es Density Medium Full	N/A Avg. Height Variable < 5 feet	Size Variable < 5 feet 5 - 10 feet	Some large beech in the stand, beech is dying. Good mix of species.	
	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech	laple Assoc % Cover 95 3 2 Lowland Fo	ciation \$	DBH	109 109 109	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple	111-140 Ses Density Medium Full Low 81-110	N/A Avg. Height Variable < 5 feet 5 - 10 feet	Size Variable < 5 feet 5 - 10 feet		
	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I	laple Assoc % Cover 95 3 2 Lowland Fo	ciation (Size Class	DBH	1 Age 109 109 109	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80	111-140 Ses Density Medium Full Low 81-110	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A	Size Variable < 5 feet 5 - 10 feet		
	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I Canopy Species	laple Associated Special Speci	ciation Size Class Direct F Size Class	DBH 16 12 14 Poletimb	1 Age 109 109 109 er Well	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80 Sub-Canopy Speci	111-140 Pes Density Medium Full Low 81-110 Pes Density	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A Avg. Height	Size Variable < 5 feet 5 - 10 feet		
	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I Canopy Species Paper Birch	% Cover 95 3 2 Lowland Fc % Cover 30	ciation Size Class Direct F Size Class	DBH 16 12 14 Poletimb DBH 8	1 Age 109 109 109 er Well	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80 Sub-Canopy Speci Balsam Poplar	111-140 es Density Medium Full Low 81-110 es Density Low	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A Avg. Height < 5 feet	Size Variable < 5 feet 5 - 10 feet Size < 5 feet		
	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I Canopy Species Paper Birch Quaking Aspen	W Cover 95 3 2 Lowland For Sover 30 5	ciation Size Class Direct F Size Class	DBH	1 Age 109 109 109 er Well	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80 Sub-Canopy Speci Balsam Poplar Red Maple	111-140 es Density Medium Full Low 81-110 es Density Low Low	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A Avg. Height < 5 feet Variable	Size Variable < 5 feet 5 - 10 feet Size < 5 feet Variable		
	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I Canopy Species Paper Birch Quaking Aspen Balsam Fir	Section Sect	ciation Size Class Direct F Size Class	DBH	1 Age 109 109 109 er Well	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80 Sub-Canopy Speci Balsam Poplar Red Maple White Spruce	111-140 es Density Medium Full Low 81-110 es Density Low Low Low	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A Avg. Height < 5 feet Variable Variable	Size Variable < 5 feet 5 - 10 feet Size < 5 feet Variable Variable		
26	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I Canopy Species Paper Birch Quaking Aspen Balsam Fir Balsam Poplar	Section Sect	ciation Size Class Direct F Size Class	DBH	1 Age 109 109 109 109 109 109 109 109 109 109	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80 Sub-Canopy Speci Balsam Poplar Red Maple White Spruce	111-140 es Density Medium Full Low 81-110 es Density Low Low Low	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A Avg. Height < 5 feet Variable Variable	Size Variable < 5 feet 5 - 10 feet Size < 5 feet Variable Variable		
26	4110 - Sugar M Canopy Species Sugar Maple White Ash Beech 6139 - Mixed I Canopy Species Paper Birch Quaking Aspen Balsam Fir Balsam Poplar White Spruce	Section Sect	Size Class Direst F Size Class Seedling Seedling	DBH	1 Age	73.6 109 Sub-Canopy Speci Beech Sugar Maple Sugar Maple 41.3 80 Sub-Canopy Speci Balsam Poplar Red Maple White Spruce	111-140 es Density Medium Full Low 81-110 es Density Low Low Low	N/A Avg. Height Variable < 5 feet 5 - 10 feet N/A Avg. Height < 5 feet Variable Variable	Size Variable < 5 feet 5 - 10 feet Size < 5 feet Variable Variable Variable		



Stand	d Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	ite	General Comments
29		inted Red Pi	ne	Poletimb		15.6	69	51-80	N/A		Red pine is being outgrown by taller white pine, balsam fir, white spruce and aspen. Evidence of budworm.
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	sprace and aspen. Evidence of badworm.
	White Spruce	3		10		Blac	k Cherry	Low	Variable	Variable	
	Balsam Fir	3	Seedling	8		Bal	lsam Fir	Low	< 5 feet	< 5 feet	
	Sugar Maple	2	Pole	4							
	Quaking Aspen	6	Seedling	6							
	Red Pine	65		8	69						
	White Pine	20		12							
	Black Cherry	1	Sapling	7							
30	4113 - R.N	/laple, Conife	er	Sawtimb	er Well	36.1	107	81-110	N/A		The paper birch is dying off. Steep topography!
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Red Maple	60		18	107	Re	d Maple	Low	Variable	Variable	
	Quaking Aspen	20		8	40	Bal	Isam Fir	High	>20 feet	>20 feet	
	Balsam Fir	10	Sapling	6		Е	Beech	Low	Variable	Variable	
	White Pine	10		20							•
33	623 - Eme	rgent Wetlar	nd	Nor	ne	14.5			No		
34	500	- Water		Nor	ne	1.1			No		
38	4134 - Asp	en, Spruce/F	Fir	Poletimb	er Well	3.0	43	51-80	N/A		
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Quaking Aspen	40	Sapling	5	43	Bal	lsam Fir	Medium	10 - 20 feet	10 - 20 feet	
	White Spruce	20	Sapling	5							
	Balsam Poplar	20	Pole	4							
	Balsam Fir	20	Sapling	5							
39	6229 - Mixed	l Lowland Sh	nrub	Nor	ne	31.6			No		
40	623 - Eme	rgent Wetlar	nd	Nor	ne	11.1			No		
41	4135 - As	spen, Cedar		Sawtimb	er Well	30.5	52	51-80	N/A		Aspen clear cut done about thirty years ago, prior to state ownershi
	Canopy Species	% Cover	Size Class	DBH	Age	Sub-Cai	nopy Species	Density	Avg. Height	Size	
	Callupy Species	/0 OOV 61		ווטט							1
	Quaking Aspen	60		10	52	Та	g Alder	Low	5 - 10 feet	5 - 10 feet	
						Та		Low	5 - 10 feet	5 - 10 feet	

rt 7 – Stands

tand	Level 4 Co	over Type		Size De	nsity	Acres Stand Age B	A Range	Managed S	Site	General Comments
43	429 - Mixed U	Jpland Con	ifers	Sawtimb	er Well	293.7 129	111-140	N/A	4	Ridge and swale stand along Lake Michigan. Stand is quite variable
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	This stand has more upland area than the cedar to the north.
Qua	aking Aspen	10		16	129	Tag Alder	Medium	5 - 10 feet	5 - 10 feet	
	Red Pine	10		20	129	Deciduous Saplings	Low	Variable	Variable	
V	White Pine	30		25	129	Conifers	High	Variable	Variable	
Northe	ern White Cedar	25	Sapling	7						
	Hemlock	5		20	129					
F	Red Maple	10		10						
Р	aper Birch	10		10						
-5	6124 - Lowla	and Spruce	-Fir	Sapling	y Well	8.8 52 Ur	nspecified	N/A	4	Small diameter swamp conifer.
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Qua	aking Aspen	5	Log	2		Tag Alder	Medium	5 - 10 feet	5 - 10 feet	
F	Red Maple	5	Log	2						•
Р	aper Birch	10	Log	2						
Е	Balsam Fir	30	Log	2	52					
7	Tamarack	5	Log	2						
W	hite Spruce	25	Log	2						
Northe	ern White Cedar	20	Log	2						
1 7	4130 -	- Aspen		Sapling	y Well	21.8 53 Ur	nspecified	N/A	4	Mix of quaking and bigtooth aspen.
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
Е	Balsam Fir	10	Pole	4		White Pine	Low	Variable	Variable	
Qua	aking Aspen	45	Pole	4	53	Red Maple	Low	< 5 feet	< 5 feet	
V	Vhite Pine	5		8		Striped Maple	Low	< 5 feet	< 5 feet	
Р	aper Birch	5	Pole	4		Balsam Fir	High	Variable	Variable	
Big	tooth Aspen	35	Pole	4		White Spruce	Low	Variable	Variable	
18	42200 - Natu	ıral White F	ine	Sawtimb	er Well	59.7 160	81-110	N/A	Α	A couple red oak found in the stand.
Ca	nopy Species	% Cover	Size Class	DBH	l Age	Sub-Canopy Species	Density	Avg. Height	Size	
				16	160	Balsam Fir	High	10 - 20 feet	10 - 20 feet	
	Red Pine	5		. •						
	Red Pine White Pine	65		16	160	White Pine	Low	Variable	Variable	
V					160	White Pine Aspen (spp.)	Low	Variable 10 - 20 feet	Variable 10 - 20 feet	
V Northe	Vhite Pine	65		16	160					
V Northe	White Pine ern White Cedar	65 5		16 10		Aspen (spp.)	Medium	10 - 20 feet	10 - 20 feet	
V Northe	White Pine ern White Cedar Hemlock	65 5 8		16 10 12		Aspen (spp.) Red Maple	Medium Low	10 - 20 feet Variable	10 - 20 feet Variable	
V Northe	White Pine ern White Cedar Hemlock Red Maple	65 5 8 5		16 10 12 8	160	Aspen (spp.) Red Maple	Medium Low	10 - 20 feet Variable	10 - 20 feet Variable	

Report 7 - Stands



Stand	Level 4 C	over Type		Size De	nsity	Acres	Stand Age B	A Range	Managed S	Site	General Comments
50	4110 - Sugar N	Maple Assoc	ciation	Sawtimb	er Well	63.0	101	111-140	N/A	A	Beech is dying off.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Ironwood	1	Pole	4			Beech	High	Variable	Variable	
	Beech	11		15	101	Sug	gar Maple	High	Variable	Variable	
	White Ash	3		14	101						
	Sugar Maple	84		15	101						
	Paper Birch	1	Sapling	6							
54	623 - Emer	gent Wetla	nd	Noi	ne	11.2			No	1	
55	4191 - Mixed Upla Co	and Deciduo	ous with	Sawtimb	er Well	5.1	95	51-80	N/A	A	Paper birch is mature and starting to die off.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	5	Sapling	7		Ba	lsam Fir	Low	Variable	Variable	
	Balsam Poplar	3	Sapling	5		Sug	gar Maple	Low	Variable	Variable	
	Sugar Maple	30		8		Ir	onwood	Trace	10 - 20 feet	10 - 20 feet	
	Paper Birch	40		10	95		Beech	Medium	Variable	Variable	
	Green Ash	2	Pole	4		Strip	ped Maple	Low	10 - 20 feet	10 - 20 feet	
	White Spruce	5		10							_
No	rthern White Cedar	15		12							
56	730 - N	Mud Flats		Noi	ne	1.7			No	1	
57	4130	- Aspen		Poletimb	er Well	12.5	49	51-80	N/A	A	Mix of quaking and bigtooth aspen.
	Canopy Species	% Cover	Size Class	DBH	l Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Balsam Fir	10	Pole	4		Ва	lsam Fir	Low	Variable	Variable	
	Bigtooth Aspen	40	Pole	4							_
	Quaking Aspen	50	Sapling	6	49						
60	6120 - Lo	wland Ceda		Poletimb		813.2		141-170	N/A	A	Ridge and swale cedar type. This stand is quite variable. There doesn't appear to be a lot of deer use.
	Canopy Species	% Cover	Size Class		l Age		nopy Species	Density	Avg. Height	Size	account appear to be a fet of deer doe.
	Quaking Aspen	5		8			ag Alder	Medium	5 - 10 feet	5 - 10 feet	
	White Spruce	5	Seedling	6		Re	ed Maple	Low	Variable	Variable	
	Black Spruce	3	Sapling	5			n White Cedar	Medium	Variable	Variable	
No	rthern White Cedar	50		6	164	C	onifers	High	Variable	Variable	
	Balsam Fir	5	Seedling	6							
	Tamarack	2	Sapling	7							
	White Pine	15		12							
	Red Maple	10		8							



Stand	Level 4 Co	over Type		Size Density	Acres	Stand Age E	BA Range	Managed S	ite	General Comments	MICHIGAN
61	42340 - Upla	ind Spruce	/Fir	Poletimber We	ell 31.4	52	81-110	N/A		Good mix.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	Paper Birch	10	Sapling	6	Re	ed Maple	Low	5 - 10 feet	5 - 10 feet		
	White Pine	20		20	Norther	n White Cedar	Trace	< 5 feet	< 5 feet		
	Quaking Aspen	9	Sapling	6	Ва	alsam Fir	High	Variable	Variable		
	Balsam Fir	30		6 52						_	
	White Spruce	30		8 52							
No	orthern White Cedar	1	Seedling	6							
62	42390 - Mixed Non-	Pine Uplan	d Conifers	Sawtimber We	ell 29.7	133	81-110	N/A	1	Ridge and swale. Pole size.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	White Pine	20		24	W	hite Pine	Low	< 5 feet	< 5 feet		
	Red Pine	15		24	Ва	alsam Fir	High	Variable	Variable		
	Black Spruce	30	Seedling	6	H	lemlock	Low	< 5 feet	< 5 feet		
No	orthern White Cedar	35		10 133						-	
63	42350 - Upl	and Hemlo	ck	Sawtimber We	ell 34.4	114	171-200	N/A		Ridge and swale hemlock.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	Hemlock	80		18 114	Ва	alsam Fir	Low	< 5 feet	< 5 feet		
	White Pine	10		22 114						-	
	Red Pine	10		18 114							
64	42201 - Natural V Deci	Vhite Pine, duous	, Mixed	Sawtimber We	ell 123.4	160	81-110	N/A	1	Ridge and swale.	
65	623 - Emerç	gent Wetlar	nd	None	3.5			No			
68	623 - Emerç	gent Wetlar	nd	None	7.3			No			
69	623 - Emerç	gent Wetlar	nd	None	4.4			No			
70	623 - Emerç	gent Wetlai	nd	None	17.0			No			
72	6129 - Mixed Conife	erous Lowla	and Forest	Poletimber We	ell 19.4	43	51-80	N/A	\	Super thick saplings.	
	Canopy Species	% Cover	Size Class	DBH Age	Sub-Ca	anopy Species	Density	Avg. Height	Size		
	Tamarack	20		10	Т	ag Alder	Medium	5 - 10 feet	5 - 10 feet		
	Black Spruce	40	Log	3 43	Ва	alsam Fir	High	10 - 20 feet	10 - 20 feet		
	rthern White Cedar	40		6 43						<u>.</u>	

Report 7 - Stands



	Level 4 Co	over Type	5	Size De	nsity	Acres	Stand Age B	A Range	Managed Si	te	General Comments
73	6120 - Lov	wland Ceda	ar Pol	etimbe	r Mediun	n 7.5	100		N/A		
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Ca	nopy Species	Density	Avg. Height	Size	
	Tamarack	25		8	80		Alder	Medium	5 - 10 feet	5 - 10 feet	
	Black Spruce	25		8	80						
No	rthern White Cedar	50		8	100						
74	42390 - Mixed Non-	Pine Uplan	nd Conifers S	awtimb	er Well	95.5	119	81-110	N/A		Ridge and swale stand. Smaller diameters than the stand to the east.
	Canopy Species	% Cover	Size Class	DBH	I Age	Sub-Car	nopy Species	Density	Avg. Height	Size	
	Black Ash	5		8		Та	g Alder	Medium	5 - 10 feet	5 - 10 feet	
	Balsam Fir	10	Seedling	7		Strip	ed Maple	Medium	10 - 20 feet	10 - 20 feet	
	Paper Birch	10		10		С	onifers	High	Variable	Variable	
	Black Spruce	30	Seedling	8							
No	rthern White Cedar	30		16	119						
	Balsam Poplar	5		12							
	White Pine	10		24							
75	710 - S	and, Soil		Noi	ne	28.1			No		
76	623 - Emer	gent Wetla	nd	Noi	ne	1.5			No		
76 113	623 - Emer 4110 - Sugar M				ne er Well	1.5	89	81-110	No N/A		Beech is small component of stand and dying off.
		1aple Asso		awtimb		46.6	89 nopy Species	81-110 Density		Size	Beech is small component of stand and dying off.
113	4110 - Sugar M Canopy Species Sugar Maple	1aple Asso	ciation S	awtimb	er Well	46.6 Sub-Cai			N/A		Beech is small component of stand and dying off.
113	4110 - Sugar M	laple Asso	ciation S	awtimb DB H	er Well	46.6 Sub-Car Sug	nopy Species	Density	N/A Avg. Height	Size	Beech is small component of stand and dying off.
113	4110 - Sugar M Canopy Species Sugar Maple	Maple Associated Section 190	ciation S	awtimb DBH	er Well	46.6 Sub-Car Sug	nopy Species ar Maple	Density High	N/A Avg. Height Variable	Size Variable	Beech is small component of stand and dying off.
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted	Maple Associated (Maple Associated Maple Associated Maple Associated Maple Associated Maple Associated (Maple Associated Maple Associated Maple Associated Maple Associated (Maple Associated Maple Associated Maple Associated Maple Associated Maple Associated (Maple Associated Maple Associated Maple Associated Maple Associated Maple Associated (Maple Associated Maple Associated Maple Associated Maple Associated Maple Associated Maple Associated (Maple Associated Maple Associated	ciation S Size Class Seedling	DBH 16 7 10	er Well	46.6 Sub-Car Sug	nopy Species ar Maple Beech	Density High	N/A Avg. Height Variable	Size Variable Variable	Beech is small component of stand and dying off. Red pine basal area is up to 170 in the thickest areas.
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted	Maple Associated Pine, iduous	ciation S Size Class Seedling	awtimb DBH 16 7 10 awtimb	er Well Age 89	46.6 Sub-Cai Sug E	nopy Species ar Maple Beech	Density High High	N/A Avg. Height Variable Variable	Size Variable Variable	
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted Deci	Maple Associated Pine, iduous	ciation S Size Class Seedling Mixed S	awtimb DBH 16 7 10 awtimb	er Well Age	46.6 Sub-Cal Sug E 43.1 Sub-Cal	nopy Species ar Maple Beech	Density High High High	N/A Avg. Height Variable Variable	Size Variable Variable	
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted Deci Canopy Species	Maple Associated Pine, iduous Maple Associated Pine, iduous Cover	ciation S Size Class Seedling Mixed S	awtimb DBH 16 7 10 awtimb	er Well I Age 89 er Well I Age	46.6 Sub-Car Sug E 43.1 Sub-Car Quak	nopy Species ar Maple Beech 69 nopy Species	Density High High 141-170 Density	N/A Avg. Height Variable Variable N/A Avg. Height	Size Variable Variable	
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted Deci Canopy Species Red Pine	Maple Assor W Cover 90 3 7 Red Pine, iduous Cover 75	Size Class Seedling Mixed S Size Class	awtimb DBH 16 7 10 awtimb DBH 10	er Well I Age 89 er Well I Age	46.6 Sub-Cal Sug E 43.1 Sub-Cal Quak Blace	nopy Species ar Maple Beech 69 nopy Species ing Aspen	Density High High 141-170 Density Low	N/A Avg. Height Variable Variable N/A Avg. Height Variable	Size Variable Variable Size Variable	
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted Deci Canopy Species Red Pine Quaking Aspen	Maple Assor Cover 90 3 7 Red Pine, iduous Cover 75 10	Size Class Seedling Mixed S Size Class	awtimb DBH 16 7 10 awtimb DBH 10 4	er Well I Age 89 er Well I Age	46.6 Sub-Cal Sug E 43.1 Sub-Cal Quak Blace	nopy Species ar Maple Beech 69 nopy Species ing Aspen ck Cherry	Density High High 141-170 Density Low Low	N/A Avg. Height Variable Variable N/A Avg. Height Variable < 5 feet	Size Variable Variable Size Variable < 5 feet	
113	4110 - Sugar M Canopy Species Sugar Maple Quaking Aspen Beech 42111 - Planted Deci Canopy Species Red Pine Quaking Aspen Sugar Maple Paper Birch	Maple Associated Pine, iduous	Size Class Seedling Mixed S Size Class Pole Pole	DBH 10 awtimb DBH 10 4 4	er Well 89 er Well 1 Age 69	46.6 Sub-Cal Sug E 43.1 Sub-Cal Quak Blace	nopy Species ar Maple Beech 69 nopy Species ing Aspen ck Cherry	Density High High 141-170 Density Low Low	N/A Avg. Height Variable Variable N/A Avg. Height Variable < 5 feet	Size Variable Variable Size Variable < 5 feet	