

# **Compartment Review Presentation**

**Gaylord Forest Management Unit** 

Compartment 52020 Entry Year 2017 Acreage: 1,873 County Otsego Management Area: Grayling Ice Contact

**Revision Date:** 2015-05-12

## Stand Examiner: Lucas Merrick

## Legal Description:

T29N, R03W, Sections: 19, 21, 28, 30, 31, 32, and 33

## **Identified Planning Goals:**

To provide for the protection, integrated management and responsible use of a healthy, productive and undiminished resource base for the social, recreational, environmental and economic benefit of the State of Michigan.

## Soil and topography:

Rubicon sand, Blue Lake loamy sand, Kalkaska sand make up the majority of the compartment. These soils are somewhat to excessively drained. Topography varies from almost flat rolling terrain to areas with slopes of almost 45%.

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

This compartment is found around the town of Waters. Multiple lakes and private inholding break up the contiguity of the compartment. Parcels in the south of section 33 are adjacent to Waters Landfill. The majority of wells in the eastern portions of the compartment have recently been abandoned. The State of Michigan owns the majority of the Lake Marjory sub-division. Some of the lots have recently been sold to the public at auction.

## **Unique Natural Features:**

Potential for goshawk, red-shouldered hawk, eagle, loon, and osprey

## Archeological, Historical, and Cultural Features:

There are HAL concerns within the compartment

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

None at this time.

## Watershed and Fisheries Considerations:

This compartment contains Bradford Lake, Little Bradford Lake, Lake Marjory, and Heart Lake, which range from shallow lakes supporting warmwater communities to deep trout lakes. Heart Lake is stocked each year with rainbow trout, while Big Bradford Lake is stocked with walleye every two years. The management plans proposed for this compartment are appropriate for protection for these waterbodies.

## Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen and oak while creating early successional habitat benefiting deer, grouse, wild turkey and woodcock. Oak clumps and/or large crowned oak will be left where appropriate for hard mast. Openings are prescribed to be maintained and supplemented with hard and soft mast plantings benefiting deer, grouse, wild turkey, and woodcock.

## Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of ice-contact and glacial outwash sand and gravel and postglacial alluvium. Glacial drift thickness varies between 600 and 1,000 feet. The Mississippian Coldwater Shale subcrops below the glacial drift. The Coldwater does not have an economic use. The nearest gravel pit is located one mile to the west and potential is good on the uplands. There also may be a gravel pit to the north in Section 17 within the I-75 ROW. Most of the compartment has been developed for Antrim Shale gas production. The Niagaran reef trend is located in this area and there may be additional potential for Niagaran reefs. The majority of State minerals in the compartment are currently under lease.

## Vehicle Access:

Vehicle access throughout the compartment is adequate. County roads, state trails, and pipeline easements intersect the compartment.

## Survey Needs:

Potential survey required for treatments found in section 32 and 33.

## **Recreational Facilities and Opportunities:**

Lake Marjory Campground, Big Bradford Boat Access Site, and the Heart Lake Access Site are found in this compartment. Snowmobile trails #4 and #7 run through this compartment.

## Fire Protection:

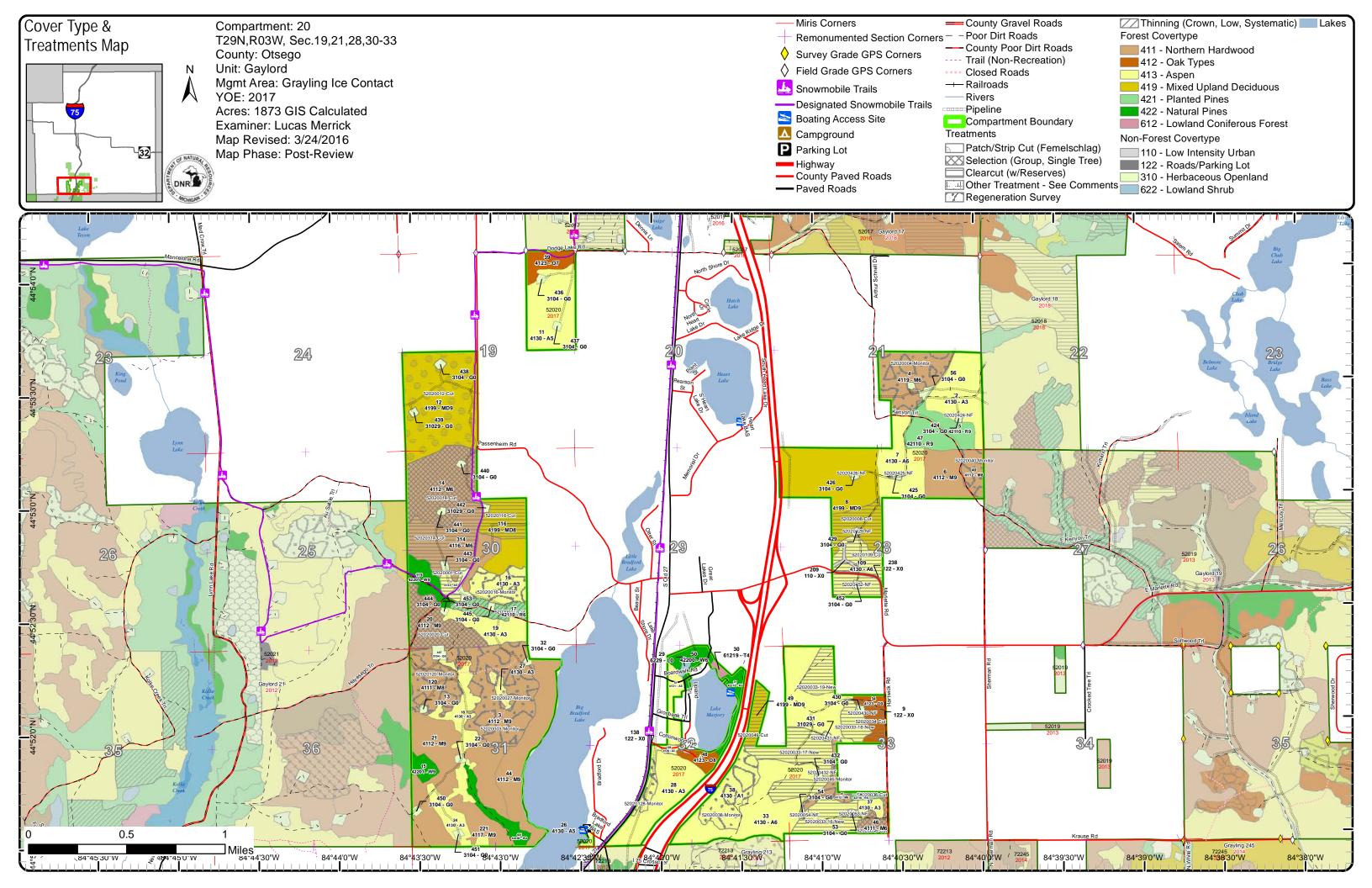
Cover types are not prone to frequent or large fire events. There are pockets of blow sand and topography west of Big Bradford Lake that could prove to be equipment limiting. Multiple oil and gas flow lines are present. Multiple lakes and access sites provide good water points. Otsego Lake Township Fire Station found in section 29.

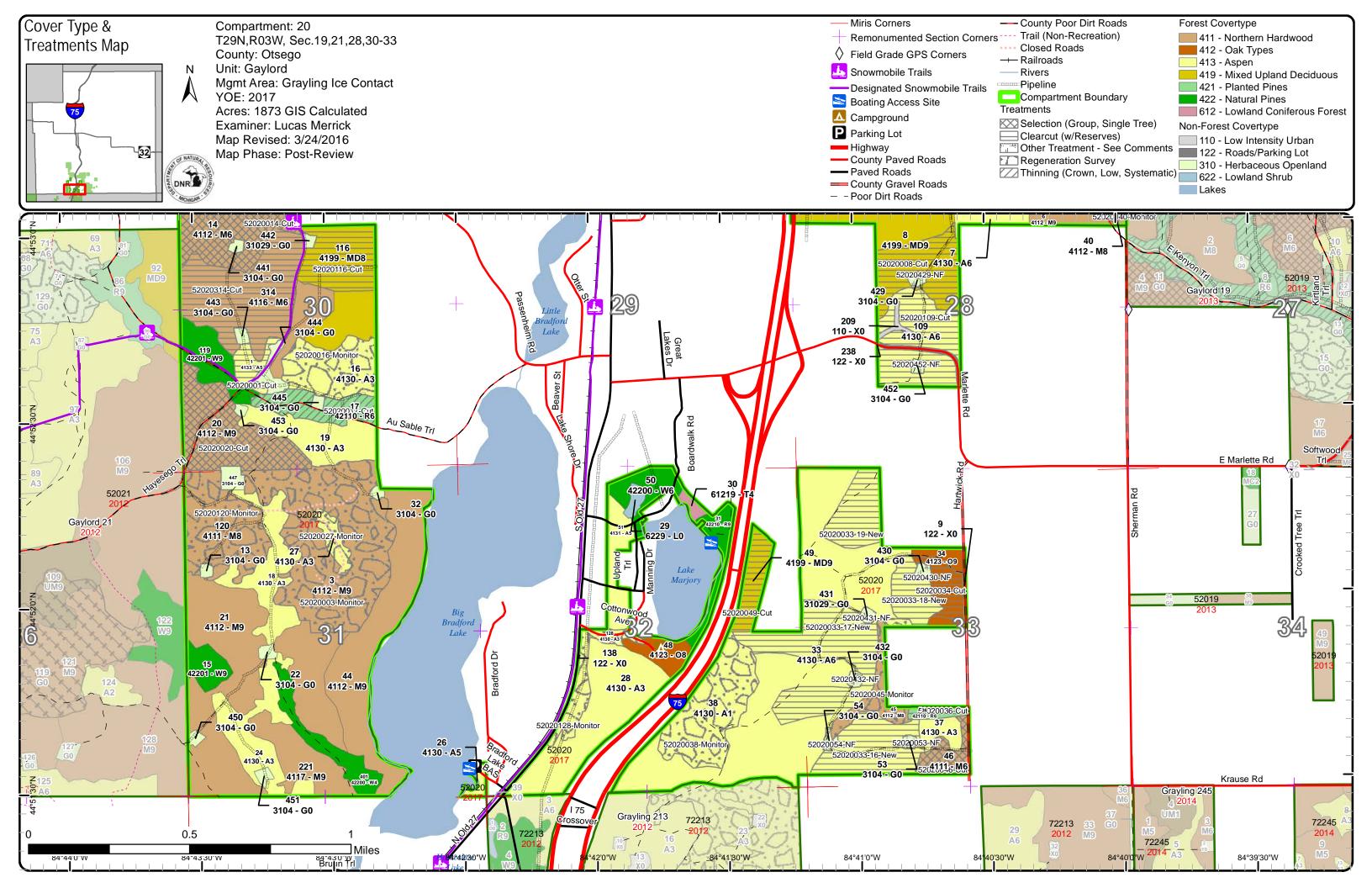
## Additional Compartment Information:

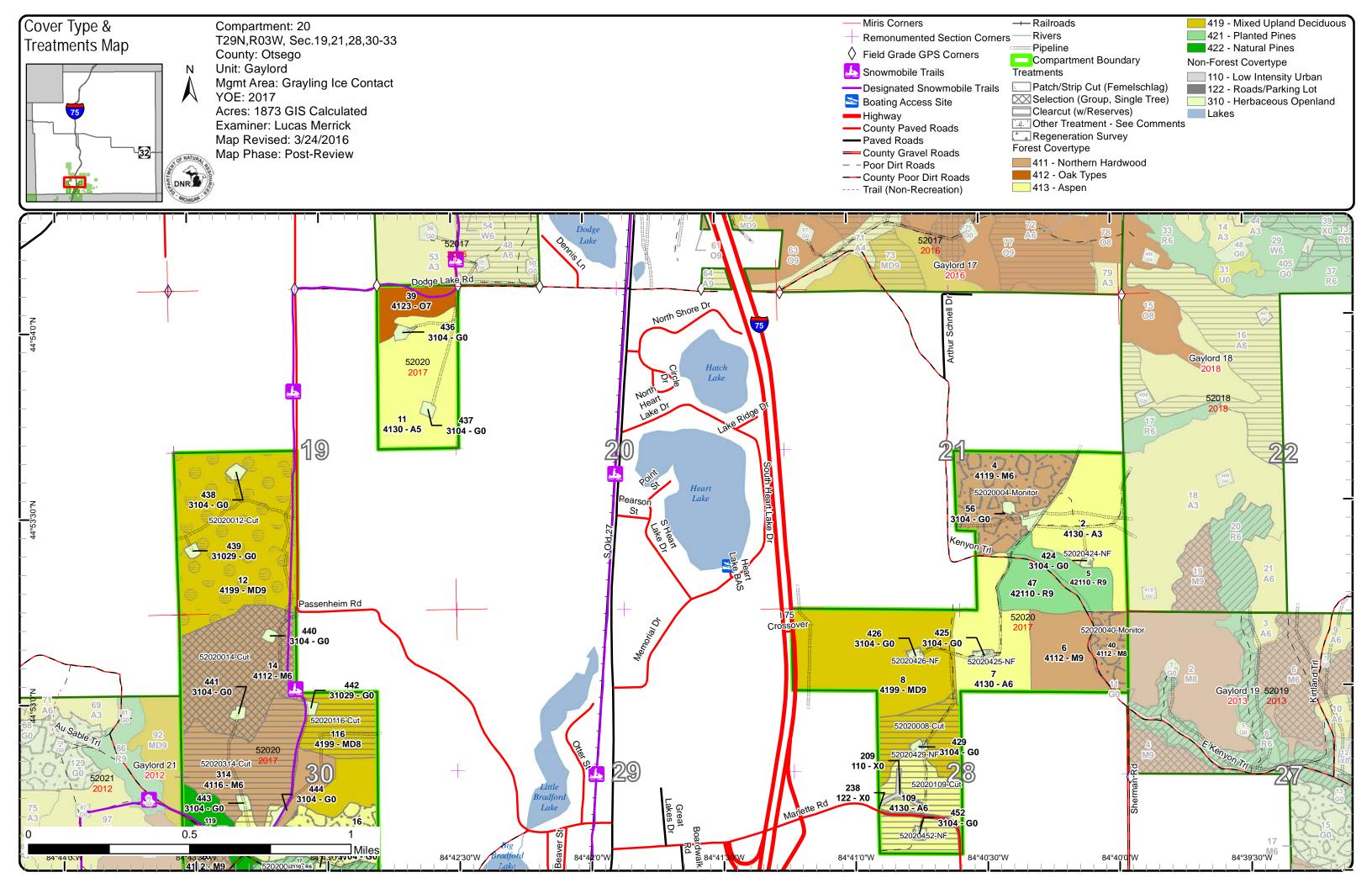
The following reports from the Inventory are attached: Total Acres by Cover Type and Age Class

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







Stand Boundary - Miris Corners Compartment: 20 Remonumented Section Corners T29N,R03W, Sec.19,21,28,30-33 County: Otsego Мар Field Grade GPS Corners Unit: Gaylord Mgmt Area: Grayling Ice Contact 🪣 Snowmobile Trails Ν Designated Snowmobile Trails \_\_\_\_ YŎE: 2017 Boating Access Site Acres: 1873 GIS Calculated Examiner: Lucas Merrick Campground Parking Lot Map Revised: 3/24/2016 Highway
 County Paved Roads
 Paved Roads
 County Gravel Roads
 – Poor Dirt Roads -32-Map Phase: Post-Review TOF NATURA State State JE-E 4112-447 104-60 44 )112-M 83 4130 - A1

0.5

Miles

Bruin Tri

---- County Poor Dirt Roads Trail (Non-Recreation)
Closed Roads ---- Railroads Rivers Pipeline Compartment Boundary Stand Boundaries Jotand Boundaries 411 - Northern Hardwood 412 - Oak Types 413 - Aspen 419 - Mixed Upland Deciduous 421 - Planted Pines

422 - Natural Pines

84°41'0"W

612 - Lowland Coniferous Forest

- 110 Low Intensity Urban 122 Roads/Parking Lot 310 Herbaceous Openland 622 Lowland Shrub

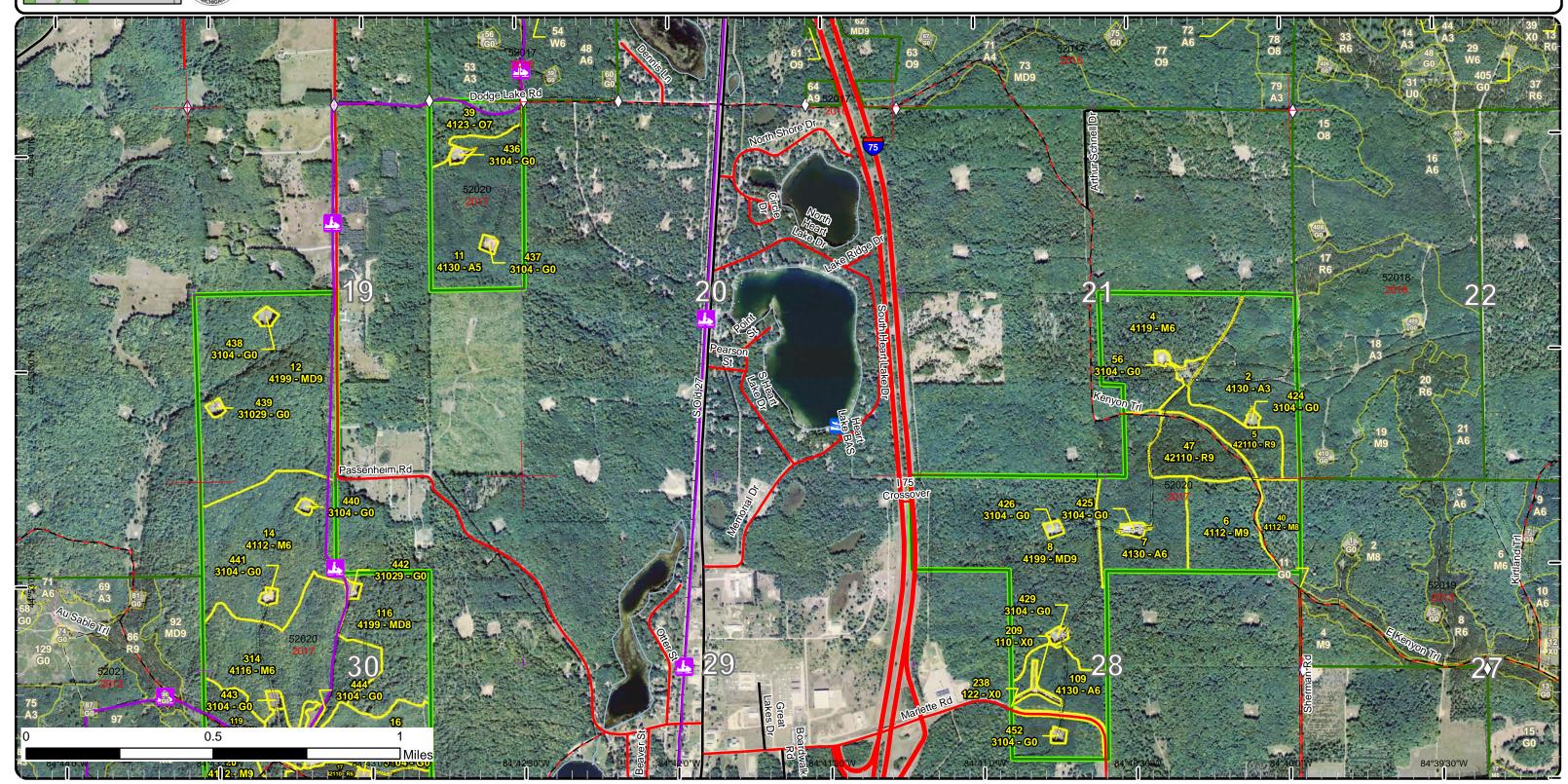


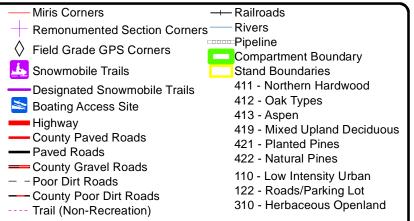
Stand Boundary Map

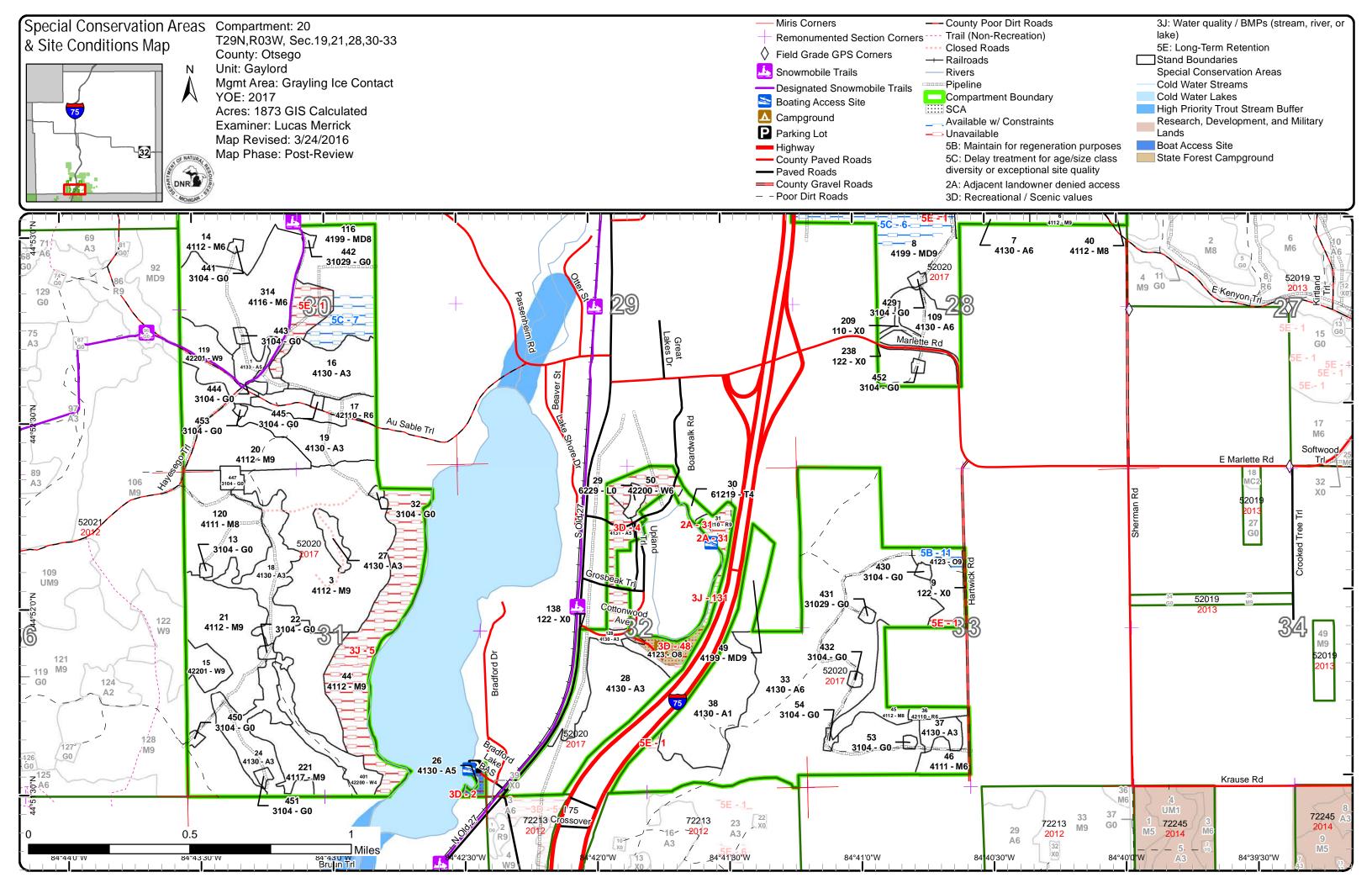
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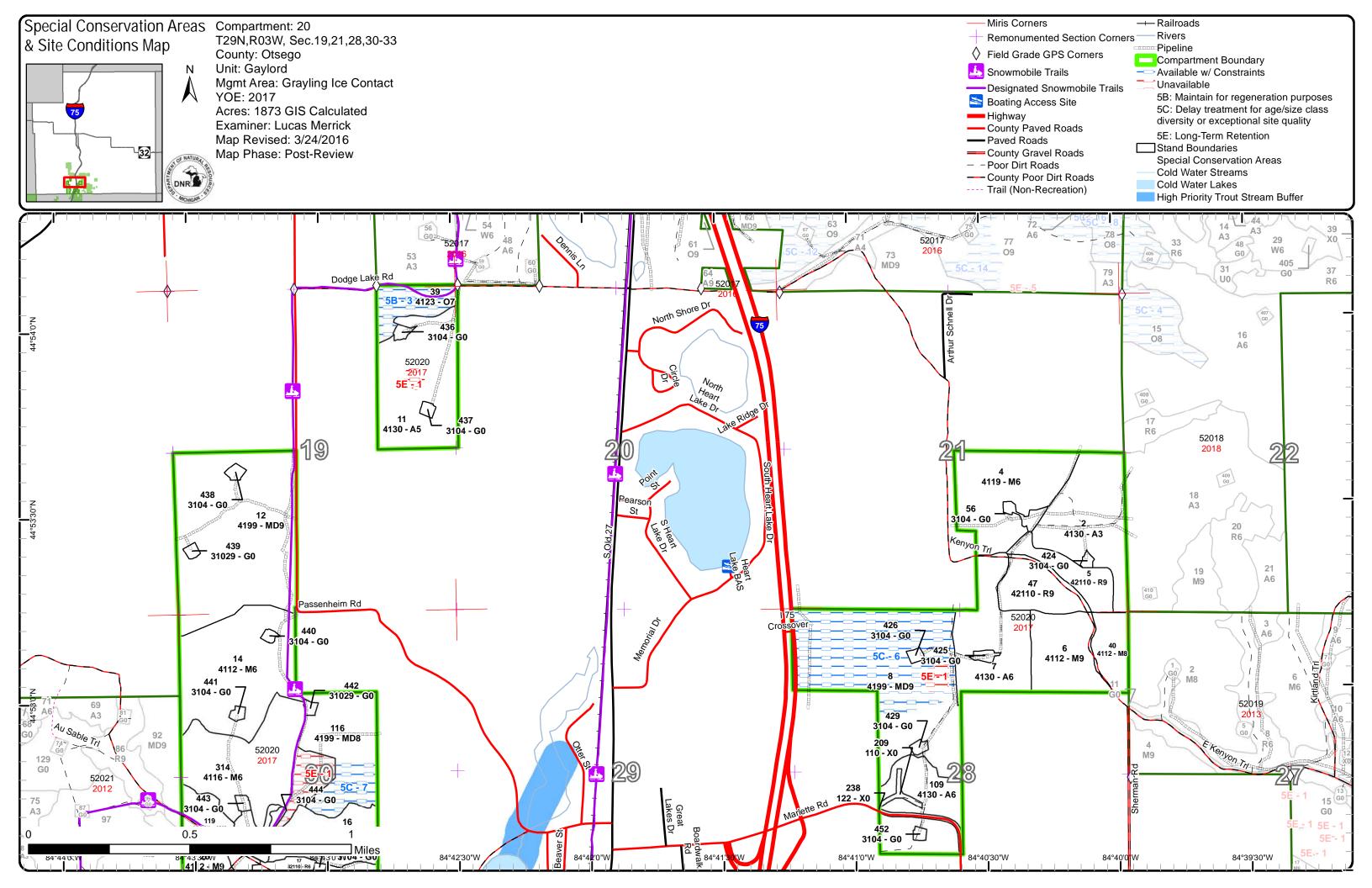
-32-

Compartment: 20 T29N,R03W, Sec.19,21,28,30-33 County: Otsego Unit: Gaylord Mgmt Area: Grayling Ice Contact YOE: 2017 Acres: 1873 GIS Calculated Examiner: Lucas Merrick Map Revised: 3/24/2016 Map Phase: Post-Review











Age Class

	HOR	KO ST C	0:5 V2	61.70 A	61. 10 61. 10 61. 10	6 4	64 (G	ñ (s	95 ×	1 <sup>8</sup> ~	890 900 900 900 900 900 900	8° (9	001. 170.	62, <sup>42</sup>	67. VE1	0021 VI	AND	D' UN	A A A A A A A A A A A A A A A A A A A
Aspen	0	91	86	108	115	288	18	0	0	0	0	0	0	0	0	0	0	0	706
Herbaceous Openland	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	39
Lowland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	0	14	238	45	0	0	0	0	0	0	297
Northern Hardwood	0	0	0	0	0	0	0	146	0	78	376	0	0	0	0	0	0	45	645
Oak	0	0	0	0	0	0	0	0	0	17	17	0	10	0	0	0	0	0	44
Red Pine	0	0	0	0	0	0	60	0	0	0	0	0	0	11	0	0	0	0	71
Tamarack	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3
Urban	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
White Pine	0	0	0	0	0	0	16	18	0	0	0	13	0	0	0	0	0	9	56
Total	50	91	86	108	115	288	94	164	0	109	631	58	10	14	0	0	0	54	1872



Year of Entry:Acres of HarvestTotal Compartment Acres:Commercial Harvest - 572<br/>Harvests with Site Condition - 0<br/>Next Step Harvest - 0<br/>Habitat Cut - 0Total Compartment Acres:

## Cover Type by Harvest Method

			Concret	Delection Delection	n Clearar	oo lee	Tenenuoo V	Over Minning	Lenor Contraction	oging a	100 J. 100	Sec. A
Aspen		160	0	0	0	0	0	0	0	0	160	[
Mixed Upland Deciduous		72	0	119	0	0	0	0	0	0	191	
Northern Hardwood		58	131	0	0	0	0	0	0	0	189	
Oak		11	0	0	0	0	0	0	0	0	11	
Red Pine		4	0	0	0	0	17	0	0	0	21	
	Total	305	131	119	0	0	17	0	0	0	572	

## Proposed and Next Step Treatments by Method

			is and it	Gen Gen	outino o	ooooo	on of the second second	Concidio Martino	ouionio	Not Not	40 / 2	A. S.
Current		572	0	0	0	0	0	312	0	12	896	
Next Step		0	0	165	0	0	0	598	0	0	762	
	Total	572	0	165	0	0	0	909	0	12	1658	

S t		Ga	ylord Mgt. Unit		Re	eport 4	Treatme	nts	•	ment: 20 Entry: 2017	OF NATURAL OF
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
1	52020001-Cut	7.3	4133 - Aspen, Mixed Pine	Poletimber Medium	32	111- 140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
		t with adja	Site Condition: cent stand 314. Do		vhite pii	ne except	for within reten	tion areas.			
	<u>Step</u> tments:										
<u>Acce</u> Rege		birch, oak	, red maple, and wl	hite pine							
	ment: 119 O	d next step	o comments:	owmobile tr	ail from	operation	s. Cut stumps	s flush along snowr	nobile trail. Keep	operations ou	t of stand
<u>Prop</u>	osed Start Date	<u>:</u> 10/01	/2016								
3	52020003- Monitor	96.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	96	51-80	Monitoring	Natural Regen (Re-Inventory)	411 - Northern Hardwood	Two-Aged	Draft Field Boundary
	itat Cut: No cription Monito cs:	r regen in t	Site Condition: he regen gaps.								
	<u>Step</u> tments:										
<u>Acce</u> Rege	· · ·	basswood	, aspen, black cher	ry, white pin	ie, and	hemlock a	at minimal stoc	king levels or better			
<u>Othe</u> Com	er Old ne ment:	ext step co	mments:								
<u>Prop</u>	osed Start Date	<u> </u>	/2014								
			4119 - Mixed orthern Hardwoods <u>Site Condition:</u> es to see if natural			51-80 ng.	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
	<u>Step</u> tments:										
Reg	en:	birch, coni	ifer, aspen, basswo	od, oak, and	d misc I	hdwds at i	minimal accept	able stocking, Bee	ch and ash are n	ot acceptable.	
	ment:	ext step co									
Prop	osed Start Date										
8	52020008-Cut		199 - Other Mixed Upland Deciduous	Sawtimber Well	90	81-110	Harvest	Clearcut with Retention	4199 - Other Mixed Upland Deciduous	Even-Aged	Draft Field Boundary
			Site Condition: rees 2" and up. Le		of 2-4	oak scatte	red throughout	t sale area for mast	and vertical struc	cture. Leave 1	clump for
Next	<u>Step</u> tments:										
Trea		d maple, s	sugar maple, birch,	aspen, and	a mino	r amount (	of mixed conife	er.			
<u>Trea</u> <u>Acce</u> <u>Reg</u> e <u>Othe</u>	<u>en:</u>	erm retentio						r. . New retention isla	ands will not be n	eeded. Old no	ext step

#### **Report 4 -- Treatments**

**Compartment: 20** ---- - - -



S t a									Year of	Entry: 2017	ANCHIGAN .
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
12	52020012-Cut	119.3	4199 - Other Mixed Upland Deciduous	Sawtimber Well	· 96	81-110	Harvest	Strip/Patch/Gap Cut (Femelschlag)	4199 - Other Mixed Upland Deciduous	Two-Aged	Draft Field Boundary
<u>Hab</u>	<u>itat Cut:</u> No		Site Condition:								
Pres Spe			% of stand in 2 - 5 ac It large oak stock in c						aximize potential	oak stump sp	routs.
	<u>t Step</u> Monitor <u>Itments:</u>	ing, Natu	ural Regen (Re-Inven	tory); Plan	ting, Un	iderplant					

Acceptable Oak, maple, birch, basswood, cherry and pine.

Regen:

<u>Other</u> Protect snowmobile trail from operations. Cut stumps flush along snowmobile trail. This may be a good location to move the large enclosure currently found in the Jordan valley. Can we get material to make more of these??? Old next step comments: Comment:

#### Proposed Start Date: 10/01/2016

14	52020014-Cut	74.6	4112 - Maple, Beech, Cherry	Poletimber Well	69	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
			Association							•	

#### Habitat Cut: No Site Condition:

Prescription Leave some beech for mast and cavity trees. Mark to residual of 70-90. Create additional large canopy gaps at least 100' x 100' or larger - 1 Specs: gap for every 2 acres.

#### Next Step

Treatments:

Acceptable Maple, oak, birch, cherry, and white pine.

Regen:

Other Leave majority of healthy oak. If oak are marked to cut-try to incorporate into a large canopy gap to aid with stump sprout regeneration. Protect snowmobile trail from operations. Cut stumps flush along snowmobile trail. Old next step comments: Comment:

Proposed Start Date: 10/01/2016

16	52020016- Monitor	29.0	4130 - Aspen	Sapling Well	6	Immatu re	Monitoring	Natural Regen (Re-Inventory)	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
	<u>tat Cut:</u> No <u>cription</u> Monitor <u>s:</u>	regen	Site Condition:								
<u>Next</u> <u>Treat</u>	<u>Step</u> ments:										
<u>Acce</u> Rege		maple, bi	rch, oak, and misc l	ndwds with so	ome o	conifer at m	iinimal accepta	ble stocking.			
<u>Other</u> Com		xt step c	omments:								
Propo	osed Start Date:	09/07	1/2015								
17	52020017-Cut	17.3	42110 - Planted Red Pine	Poletimber Well	54	141- 170	Harvest	Crown Thinning	4211 - Planted Red Pine	Even-Aged	Draft Field Boundary
		residual erations.	Site Condition: BA of 110 - 130. Ta	-	m an	d suppress	ed trees. Prote	ect snowmobile trai	I from operations.	Protect snow	mobile trail
<u>Next</u> Treat	<u>Step</u> ments:										
<u>Acce</u> Rege	<u>ptable</u> n:										
<u>Other</u> Com		n red pine	e final harvest off of	Hartwick Rd.	Kee	ep operatio	ns out of stand	119 Old next step	comments:		
Propo	osed Start Date:	10/01	1/2016								

Gaylord Mgt. Unit **Report 4** -- Treatments Compartment: 20 s Year of Entry: 2017 t а Treatment BA Treatment Treatment Cover Type Acres Stand Size Stand Age Approval n Objective Method Name CoverType Density Age Range Type Structure Status d 20 52020020-Cut 45.3 4112 - Maple, Sawtimber 91 141-Harvest Single Tree 411 - Northern Uneven-Draft Field Beech, Cherry Well 170 Selection Hardwood Aged Boundary Association Habitat Cut: No Site Condition: Prescription Leave some beech for mast and cavity trees. Mark to residual of 70-90. Create additional large canopy gaps at least 100' x 100' or larger - 1 gap for every 2 acres. Leave oak, supplement canopy gaps with large oak stock where opportunity arises and funding allows. Specs: Next Step Monitoring, Natural Regen (Re-Inventory); Planting, Underplant Treatments: Acceptable Maple, birch, aspen, oak, basswood, white pine. Regen: Other Leave under represented species where possible. Protect snowmobile trail and related confidence markers. Keep operations out of stand 119 Comment: Old next step comments: Proposed Start Date: 10/01/2016 27 52020027-Natural Regen Draft Field 6.5 4130 - Aspen Sapling 4 Immatu Monitoring 413 - Aspen Even-Aged Well (Re-Inventory) Boundary Monitor re Habitat Cut: No Site Condition: Prescription Monitor regen Specs: Next Step Treatments: Acceptable Aspen with birch, maple, and misc hdwds and conifer at minimum acceptable stocking. Regen: Other Old next step comments: Comment: Proposed Start Date: 10/01/2014 52020033-16-43 Clearcut with 33 29.8 4130 - Aspen Poletimber 81-110 Harvest 413 - Aspen Even-Aged Draft Field Well Retention Boundary New Habitat Cut: No Site Condition: Prescription Final harvest all trees 2". Exception: Leave oak 12" dbh and up for mast. Specs: Next Step Treatments: Acceptable Aspen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected. Regen: Other Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand. Old next step comments: Comment: Proposed Start Date: 10/01/2016 33 52020033-17-50.9 4130 - Aspen Poletimber 43 81-110 Harvest Clearcut with 413 - Aspen Even-Aged Draft Field Well Retention New Boundarv Habitat Cut: No Site Condition: Prescription Final harvest all trees 2". Exception: Leave oak 12" dbh and up for mast. Specs: Next Step Treatments: Acceptable Aspen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected. Regen: Other Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand. Old next step comments: Comment

Proposed Start Date: 10/01/2016

and         Treatment         Acres         Stand CoverType         Stard Density         Stard Range         Treatment Type         Treatment Method         Cover Type Objective         Age Stard Stard         Age Age         Approval Approval           3         5220203-16.         14.1         4130 - Aspen         Pole         Boundary           3         5220003-16.         14.1         4130 - Aspen         Even-Aged         Draft Field Boundary           2         Star         Star         Star         Aspen         Not         Star	S t		Ga	ylord Mgt. Unit		Re	eport 4	Treatme	nts	•	tment: 20 Entry: 2017	DNR DR
New Weil         Weil         Retention         Retention         Boundary           Habitat Cut: No         Site Condition:         Exception: Final harvest all trees 2*. Exception: Leave cak 12* dbh and up for mast.         Boundary           State State         Appendix the instead deciduous (maple, cak, and cherry). A minor conifer component can also be expected.         Bage:           Treatments:         Exception:         Leave conifer in retention islands only. Except for hemitock, protect hemitock if found in stand. Old next step comments:         Draft Field Boundary           Treatments:         Exception:         Leave conifer in retention islands only. Except for hemitock, protect hemitock if found in stand. Old next step comments:         Draft Field Boundary           Treatments:         State Condition:         Exception:         Leave canifer in retention islands only. Except for hemitock, protect hemitock if found in stand Old next step comments:         Draft Field Boundary           Treatments:         Exception:         Leave canifer in retention islands only. Except for hemitock, protect hemitock if found in stand Old next step comments:         Draft Field Boundary           Proposed State Date:         100/1/2016         Exception:         Exception:         Exception:           94 \$2020034-Cut         10.7         4123 - Red Oak         Sawtimber 85         61-80         Harvest         Clearcut with Retention Mixed Upulare         Boundary <tr< th=""><th>n</th><th></th><th>Acres</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></tr<>	n		Acres									
Presentation         Final harvest all trees 2'. Exception: Leave coal 12' dbh and up for mast.           Subcest:         Add Stop. Treatmants:           Acceptable, Appen with mixed deciduous (maple, cak, and cherry). A minor conifer component can also be expected.           Regen:         Comment:           Comment:         Environment:           Comment:         1001/2016           3         5220031-9         0.0         413 - Aspen         Poletimber 43         81-110         Harvest         Clearcut with N13 - Aspen         Even-Aged         Draft Field Boundary           Habited Cut: No         Site Condition:         Presention         113 - Aspen         Even-Aged         Draft Field Boundary           Habited Cut: No         Site Condition:         Recention         113 - Aspen         Even-Aged         Draft Field Boundary           Habited Cut: No         Site Condition:         Recention         113 - Aspen         Even-Aged         Draft Field Boundary           Habited Cut: No         Site Condition:         Recention         Mark charge connersts:         Even-Aged         Draft Field Boundary           Habited Cut: No         Site Condition:         Recention         Mark charge constraint in ternion islands only. Except for hemicock, protect hemicock if found in stand.         Old next step comments:         Boundary	33		14.1	4130 - Aspen		· 43	81-110	Harvest		413 - Aspen	Even-Aged	
Treatments:         Acceptable       A spen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected.         Bagan.       Cherry       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand. Old next step comments:         Proposed Start Date:       10/01/2016         33       52020033-19.       20.0       4130 - Aspen       Poletimber       43       81-110       Harvest       Clearcut with Retention       413 - Aspen       Even-Aged       Draft Field Boundary         Prescription       Field harvest all trees 2".       Exception:       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand.       Other step comments:         Command:       Incattnatis       Aspen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected.       Research         Respont       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand.       Other extention       Well         Variationalist       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand.       Other extention       Market Boundary         Protection       10.7       4123 - Red Oak       Sawimber       85       51-80       Harvest       Clearcut with Retention       Market Boundary         Protacosed Start Date:       10/01/2016<	Pres	cription Final h	arvest all t		-	: 12" db	oh and up	for mast.				·
Regen:, comment:       Leave confer in retention islands only. Except for hemlock, protect hemlock if found in stand. Old next step comments:         Proposed Start Date:       10/01/2016         33       5202033-19.       20.0       4130 - Aspen       Poletimber 43       81-110       Harvest       Clearcut with Retention       413 - Aspen       Even-Aged       Draft Field Boundary         Habitat Cut: No       Site Condition:       Prescription       Field Marvest all trees 2'. Exception: Leave oak 12' dbh and up for mast.       Social Start Date:       Now       Now       Now       Now       Site Condition:         Prescription:       Field Marvest all trees 2'. Exception: Leave oak 12' dbh and up for mast.       Social Start Date:       Now       Now       Now       Now       Social Start Date:       Now       Now       Social Start Date:       Now       <												
Comment:       Proposed Start Date:       10/01/2016         33       S2020033-19- New       20.0       4130 - Aspen       Poletimber       43       81-110       Harvest       Clearcut with Retention       413 - Aspen       Even-Aged       Draft Field Boundary         Habitat Cut: No       Site Condition:       Firescription       Firescription       Firescription       413 - Aspen       Even-Aged       Draft Field Boundary         Vest Step.       Firescription	_	• •	with mixed	l deciduous (maple	e, oak, and o	cherry).	A minor	conifer compon	ient can also be ex	pected.		
33       5220033-19- New       20.0       4130 - Aspen       Poletimber       43       81-10       Harvest       Clearcut with Retention       413 - Aspen       Even-Aged       Draft Field Boundary         Habitat Cut: No       Site Condition:       Prescription       Final harvest all trees 2'. Exception: Leave oak 12' dbh and up for mast.       Speces:       Acceptable.       Aspen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected.       Research         Acceptable.       Aspen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected.       Exception:       Even-Aged       Draft Field Boundary         Comment:       Comments:       10/01/2016       Even-Aged Other       Even-Aged Draft Field Boundary         4194 5020034-Cut       10.7       4123 - Red Oak       Sawtimber       86       51-80       Harvest       Clearcut with Retention       Harvest Vell       Draft Field Boundary         Habitat Cut: No       Site Condition:       Prescription       Kell       New       Boundary       Draft Field Boundary         Retention       Market Jungo       Other       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand.       Old next step comments:       Draft Field Boundary         Habitat Cut: No       Site Condition:       Freaction       Market Upla		-	conifer in r	etention islands on	ly. Except f	or hem	lock, prote	ect hemlock if fo	ound in stand. Old	next step comme	nts:	
New       Well       Retention       Retention       Boundary         Habitat Cut: No       Site Condition:       Exception:       Leave coak 12" dbh and up for mast.         Special       Next Step.       Treatments:       Acceptable.       Aspen with mixed deciduous (maple, oak, and cherry). A minor conifer component can also be expected.       Regain:       Comment:         Proposed Start Date:       10/01/2016       10/01/2016       Test Cherror Market all trees 2.       Draft Field Boundary         Habitat Cut: No       Site Condition:       Even-Aged Qak Sawtimber 86 51-80 Harvest Clearcut with At199 - Other Even-Aged Draft Field Boundary Well       Draft Field Boundary Decidious         Habitat Cut: No       Site Condition:       Even-Aged Qak Sawtimber 86 51-80 Harvest Clearcut with At199 - Other Even-Aged Draft Field Boundary Decidious       Draft Field Boundary Decidious         Habitat Cut: No       Site Condition:       Even-Aged Qak Sawtimber 86 51-80 Harvest Clearcut with At199 - Other Even-Aged Draft Field Boundary Decidious       Draft Field Boundary Decidious         Habitat Cut: No       Site Condition:       Even-Aged Qak Sawtimber 52 171       Harvest Clearcut with Adjacent aspen stand.         Speces:       Information:       Even-Map Poleinber 52 171       Harvest Clearcut with Sate Condition:       Sate Condition:         Freezeptate.       Site Condition:       Even-Map Poleinber 52 171       Harvest Clearcut	Prop	osed Start Date	<u>:</u> 10/01	/2016								
Prescription Specs:       Final harvest all trees 2°. Exception: Leave oak 12° dbh and up for mast.         Specs:       Next Step. Treatments:         Acceptable. Acceptable. Aspen with mixed deciduous (maple, oak, and cherry). A minor confer component can also be expected.         Regen:       Leave confer in retention islands only. Except for hemlock, protect hemlock if found in stand Old next step comments: Comment:         Proposed Start Date:       10/01/2016         34       S2020034-Cut       10.7       4123 - Red Oak       Sawtimber 86       51-80       Harvest       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Draft Field Boundary         Habitat Cut: No       Site Condition:       Prescription       Mark clumps of 2-5 oak/acre to leave throughout the sale. Harvest with adjacent aspen stand.       Special         Next Step. Treatments:       Acceptable. Acceptable. Acceptable. Acceptable.       Ast mayle, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective.       Beciduous         Base Statt Date:       10/01/2016       Image: Step Pine Step	33		20.0	4130 - Aspen		· 43	81-110	Harvest		413 - Aspen	Even-Aged	
Treatments:         Acceptable       Aspen with mixed deciduous (maple, oak, and cherry). A minor confer component can also be expected.         Bagen:       Leave confer in retention islands only. Except for hemlock, protect hemlock if found in stand Old next step comments:         Proposed Start Date:       10/01/2016         34 52020034-Cut       10.7       4123 - Red Oak       Sawtimber 86       51-80       Harvest       Clearcut with Mixed Upland Nixed Upland Deciduous       Even-Aged Draft Field Boundary Deciduous         Habitat Cut: No       Site Condition:       Prescription       Mixed Upland Deciduous       Even-Aged Draft Field Boundary Deciduous         Next Step.       Treatments:       Acceptable.       Comments:       Even-Aged Draft Field Boundary Deciduous         Very Step.       Treatments:       Acceptable.       Oka, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective.       Regen:         Comment:       Proposed Start Date:       10/01/2016       3301 - Low Density Deciduous Trees         36 52020036-Cut       4.1       42110 - Planted Poletimber 52       171 - Harvest Clearcut with Retention       3301 - Low Density Density Deciduous Trees         Habitat Cut: No       Site Condition:       Prescription       Mark several red pine to leave throughout sale area for retention.       Spees:         Next Step.       Treatments: </td <td>Pres</td> <td>cription Final h</td> <td>arvest all t</td> <td></td> <td></td> <td>: 12" db</td> <td>oh and up</td> <td>for mast.</td> <td></td> <td></td> <td></td> <td></td>	Pres	cription Final h	arvest all t			: 12" db	oh and up	for mast.				
Bagen:       Other       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand Old next step comments:         Comment:       Proposed Start Date:       10/01/2016         34 52020034-Cut       10.7       4123 - Red Oak       Sawtimber       86       51-80       Harvest       Clearcut with Retention       4199 - Other       Even-Aged Boundary         Habitat Cut: No       Site Condition:       Prescription       Mark clumps of 2-5 oak/acre to leave throughout the sale. Harvest with adjacent aspen stand.       Specs:         Next Step.       Treatments:       Acceptable       Oak, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective.       Regen:         Other       Island retention has already been designated for stand through previous harvest. Old next step comments:       Social comment:       Draft Field Boundary         Proposed Start Date:       10/01/2016       3       52020036-Cut       4.1       42110 - Planted Poletimber 52       171-         Specs:       10/01/2016       Site Condition:       Prescription       3301 - Low Density Deciduous Trees       Density Density Density Density Density Deciduous Trees         Habitat Cut: No       Site Condition:       Prescription       Harvest all trees 2* and up. Mark several red pine to leave throughout s												
Other Comment:       Leave conifer in retention islands only. Except for hemlock, protect hemlock if found in stand Old next step comments:         Proposed Start Date:       10/01/2016         34 52020034-Cut       10.7       4123 - Red Oak       Sawtimber       86       51-80       Harvest       Clearcut with Retention       4199 - Other Even-Aged Draft Field Boundary         Habitat Cut: No       Site Condition:       Prescription       Mark clumps of 2-5 oak/acre to leave throughout the sale. Harvest with adjacent aspen stand.       Sects.         Next Step       Treatments:       Acceptable       Oak, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective.       Regen:         Other       Island retention has already been designated for stand through previous harvest. Old next step comments:       Orgonamets:         Proposed Start Date:       10/01/2016       3301 - Low       Draft Field Boundary         36 52020036-Cut       4.1       42110 - Planted       Poletimber       52       171-         Acceptable       Act: No       Site Condition:       Density       Density       Density         Density       Well       200       Harvest afterntion.       Special       Density       Density         Red Pine       Well       200       Harvest afterntion.       Special       Special	_		with mixed	l deciduous (maple	e, oak, and o	cherry).	A minor	conifer compon	ent can also be ex	pected.		
34       52020034-Cut       10.7       4123 - Red Oak       Sawtimber Well       86       51-80       Harvest       Clearcut with Retention       4199 - Other Mixed Upland Deciduous       Even-Aged Mixed Upland Deciduous       Draft Field Boundary         Habitat Cut: No       Site Condition: Prescription       Mark clumps of 2-5 oak/acre to leave throughout the sale. Harvest with adjacent aspen stand. Specs:       Next Step.       Secondary       Secondary       Secondary         Next Step.       Treatments:       Acceptable       Oak, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective. Regen:       Secondary       Other       Island retention has already been designated for stand through previous harvest. Old next step comments: Comment:       Other       Island retention has already been designated for stand through previous harvest. Old next step comments: Comment:       Other       Sile Condition:       Draft Field Boundary         36       52020036-Cut       4.1       42110 - Planted Red Pine       Poletimber       52       171- 200       Harvest       Clearcut with Retention       3301 - Low Density Deciduous Trees       Draft Field Boundary         Prescription       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention. Specs:       Next Step. Treatments:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.	<u>Othe</u>	<u>r</u> Leave	conifer in r	etention islands on	ly. Except f	or hem	lock, prote	ect hemlock if fo	ound in stand Ol	d next step comm	nents:	
Well       Retention       Mixed Upland Deciduous       Boundary Deciduous         Habitat Cut: No       Site Condition: Prescription       Mark clumps of 2-5 oak/acre to leave throughout the sale. Harvest with adjacent aspen stand. Specs:       Specs:       Specs:         Next Step Treatments:       Acceptable.       Oak, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective. Regen:       Specs:         Other       Island retention has already been designated for stand through previous harvest. Old next step comments: Comment:       Old next step comments:       Draft Field Boundary         Proposed Start Date:       10/01/2016       36       52020036-Cut       4.1       42110 - Planted Well       Poletimber       52       171 - Harvest 200       Clearcut with Retention       3301 - Low Density Deciduous Trees       Draft Field Boundary         Habitat Cut: No       Site Condition:       Frescription Red Pine       Next Step.       Treatments:         Acceptable Specs:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:       Old next step comments:			<u>:</u> 10/01	/2016								
Prescription Specs:       Mark clumps of 2-5 oak/acre to leave throughout the sale. Harvest with adjacent aspen stand.         Specs:       Next Step Treatments:         Acceptable Regen:       Oak, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective.         Other Comment:       Island retention has already been designated for stand through previous harvest. Old next step comments:         Proposed Start Date:       10/01/2016         36       52020036-Cut       4.1       42110 - Planted Red Pine       Poletimber       52       171- 200       Harvest       Clearcut with Retention       3301 - Low Density Deciduous Trees       Draft Field Boundary         Habitat Cut: No       Site Condition: Prescription Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.       Specs: Specs:       Next Step Treatments:         Next Step Treatments:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:       Other	34	52020034-Cut	10.7	4123 - Red Oak		86	51-80	Harvest		Mixed Upland	Even-Aged	
Treatments:         Acceptable Regen:       Oak, maple, aspen, and mixed pine. There must be viable oak regen above the browse line to meet objective.         Other Regen:       Island retention has already been designated for stand through previous harvest. Old next step comments:         Other Comment:       Island retention has already been designated for stand through previous harvest. Old next step comments:         Proposed Start Date:       10/01/2016         36 52020036-Cut       4.1       42110 - Planted Red Pine       Poletimber       52       171- 200       Harvest Retention       Clearcut with Density Deciduous Trees       Danity Boundary         Habitat Cut: No       Site Condition: Prescription Specs:         Prescription Treatments:       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.       Specs:         Next Step Treatments:       Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:       Other       Old next step comments:	Pres	cription Mark c	lumps of 2		-	t the sa	ale. Harve	est with adjacen	t aspen stand.			
Regen:       Other       Island retention has already been designated for stand through previous harvest. Old next step comments:         Proposed Start Date:       10/01/2016         36       52020036-Cut       4.1       42110 - Planted       Poletimber       52       171- 200       Harvest       Clearcut with Retention       3301 - Low Density       Draft Field Boundary         Habitat Cut: No       Site Condition:       Prescription       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.       Specs:         Next Step Treatments:       Acceptable       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:       Old next step comments:	-											
Comment:       Proposed Start Date:       10/01/2016         36       52020036-Cut       4.1       42110 - Planted Poletimber 52       171 - Harvest Clearcut with Retention Density Deciduous Trees       Draft Field Boundary Deciduous Trees         Habitat Cut: No       Site Condition:       Prescription       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.       Specs:         Next Step       Treatments:       Acceptable       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:       Other treatments:			naple, aspe	en, and mixed pine.	There mus	st be via	able oak r	egen above the	browse line to mee	et objective.		
36       52020036-Cut       4.1       42110 - Planted Red Pine       Poletimber Well       52       171- 200       Harvest Retention       Clearcut with Retention       3301 - Low Density Deciduous Trees       Draft Field Boundary         Habitat Cut: No       Site Condition:         Prescription       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.         Specs:       Next Step Treatments:         Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:       Old next step comments:			retention h	as already been de	esignated for	r stand	through p	revious harvest	. Old next step cor	nments:		
Red Pine       Well       200       Retention       Density Deciduous Trees       Boundary         Habitat Cut: No       Site Condition:       Boundary       Boundary       Boundary         Prescription Specs:       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.       Density Deciduous Trees       Boundary         Next Step Treatments:       Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.       Old next step comments:       Old next step comments:	Prop	osed Start Date	<u>e:</u> 10/01	/2016								
Prescription Specs:       Harvest all trees 2" and up. Mark several red pine to leave throughout sale area for retention.         Next Step Treatments:       Specs:         Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:	36	52020036-Cut	4.1	Red Pine	Well	· 52		Harvest		Density	3	
Treatments:         Acceptable Regen:       Aspen, oak, maple, and pine at any stocking level. Objective is to have aspen expand throughout stand over time with future treatments.         Other       Old next step comments:	Pres	cription Harves	st all trees 2			ne to le	ave throu	ghout sale area	for retention.			
Regen:       Other       Old next step comments:												
Other Old next step comments:			, oak, mapl	e, and pine at any	stocking lev	el. Obj	ective is t	o have aspen e	xpand throughout s	stand over time w	ith future treatr	nents.
Comment:	Othe	<u>r</u> Old n	ext step co	mments:								
Proposed Start Date: 10/01/2016	Prop	osed Start Date	<u> </u>	/2016								

S t		Ga	aylord Mgt. Unit		Re	eport 4	Treatme	nts		ment: 20 Entry: 2017	DR NATURAL PRODUCT
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
38	52020038- Monitor	42.6	4130 - Aspen	Sapling Poor	3	Immatu re	Monitoring	Natural Regen (Intermediate)	413 - Aspen	Even-Aged	Draft Field Boundary
	i <u>tat Cut:</u> No <u>cription</u> Monito <u>s:</u>	r regen.	Site Condition:								
<u>Next</u> Treat	<u>Step</u> ments:										
<u>Acce</u> Rege		en stand r	mixed with oak and r	ed maple a	at minim	num accep	otable stocking.				
<u>Other</u> Com	<u>r</u> Sale h ment:	arvested o	ut of YOE. Spring 2	014 Old n	ext step	commen	ts:				
Propo	osed Start Date	<u>e:</u> 10/01	1/2018								
40	52020040- Monitor	15.6	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	. 99	51-80	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
		r regen ho	Site Condition: les to see if natural r	egen is es	tablishi	ng.					
<u>Next</u> Treat	<u>Step</u> ments:										
<u>Acce</u> <u>Rege</u>		birch, asp	oen, conifer, oak, and	d misc hdw	ds at m	iinimal aco	ceptable stockir	ng. Beech and ash	are not acceptab	le.	
<u>Other</u> Comr	<u>r</u> Old n ment:	ext step co	omments:								
Propo	osed Start Date	<u>e:</u> 10/01	1/2018								
45	52020045- Monitor	13.5	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	<sup>-</sup> 86	51-80	Monitoring	Natural Regen (Intermediate)	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
		r regen ho	Site Condition: les to see if natural r	egen is es	tablishi	ng.					
	<u>Step</u> ments:										
<u>Acce</u> Rege		birch, oak	k, basswood, conifer,	aspen, an	d other	misc nort	hern hdwd speo	cies at minimal acc	eptable stocking.		
<u>Other</u> Com	r Portior ment: commo		rthern pvt boundary v	was a smal	l aspen	final harv	est and has be	en lumped in with a	adjacent aspen sta	and. Old next	step
Propo	osed Start Date	<u>e:</u> 10/01	1/2018								
46	52020046-Cut	10.7	4111 - S.Maple, Hard Mast Association	Poletimber Well	r 90	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
		/e suppres	Site Condition: esed and poor form.	Set this sa	le up a	s a fuel wo	ood sale. 1 - 3	acre units.			
<u>Next</u> Treat	<u>Step</u> ments:										
<u>Acce</u> <u>Rege</u>		oak, bass	wood, white pine, ar	nd aspen w	ithin es	tablished	canopy gaps				
<u>Other</u> Comr			opy gaps for easier f (there are only a cou					. Leave some bee	ch in stand for ma	ast and cavity t	rees. Do not
Propo	osed Start Date	<u>e:</u> 10/01	/2016								

S t		Ga	ıylord Mgt. Unit		Re	eport 4	Treatmen	nts	•	tment: 20 Entry: 2017	DE NATURAL PLANE
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
49	52020049-Cut		199 - Other Mixed Upland Deciduous	Sawtimber Well	86	81-110	Harvest	Clearcut with Retention	4139 - Aspen, Mixed	Even-Aged	Draft Field Boundary
		conifer and	Site Condition: d mark a minimum		acre to	o leave al	ong with minimur	m 3% island retent	Deciduous		
<u>Next S</u> Treatr	<u>Step</u> ments:										
<u>Accep</u> <u>Rege</u> i		with maple	e, oak, birch, cherry	, and mixed	pine.						
<u>Other</u> Comn	nent:		y needed. Harvest	with adjacer	nt cut ir	n stand 3	<ol> <li>Old next step</li> </ol>	comments:			
<u>Propo</u>	sed Start Date	10/01	/2016								
53	52020053-NF	1.1	3104 - Degraded	Nonstocked	ł	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
		lant, herbi	Site Condition: cide to maintain op		ting of I	hard and	soft mast.				
<u>Next S</u> Treatr	<u>Step</u> ments:										
<u>Accep</u> <u>Rege</u> i											
<u>Other</u> Comn		ext step co	omments:								
Propo	sed Start Date	10/01	/2016								
54	52020054-NF	1.2	3104 - Degraded	Nonstocked	ł	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
		lant, and/c	Site Condition: or herbicide to main		ı. Plan	ting of ha	rd and soft mast		opolina i a		
<u>Next S</u> Treatr	<u>Step</u> ments:										
<u>Accep</u> <u>Rege</u> i	<u>otable</u> n:										
<u>Other</u> Comn		ext step co	omments:								
<u>Propo</u>	sed Start Date	10/01	/2016								
109	52020109-Cut	38.1	4130 - Aspen	Poletimber	45	111-	Harvest	Clearcut with	413 - Aspen	Even-Aged	Draft Field
	s: maple a		Site Condition: rees 2" and up. Us . Mark trees to lear structure.	e retention t							
<u>Next S</u> Treatr											
<u>Accer</u> <u>Rege</u> i		oak, birch	, maple								
<u>Other</u> Comn	Pocket		in SE corner -sout					Ū.			
Dron-		•	el before prep see	e compartme	ent fold	er for cor	tact information.	Old next step cor	nments:		
	sed Start Date	10/01	/2016								

Gaylord Mgt. Unit **Report 4** -- Treatments Compartment: 20 S Year of Entry: 2017 t а Treatment BA Treatment Treatment Cover Type Acres Stand Size Stand Age Approval n Method Objective Name CoverType Density Age Range Type Structure Status d 52020116-Cut 28.1 4199 - Other Mixed Sawtimber 103 51-80 Harvest Clearcut with 4199 - Other Even-Aged Draft Field 116 Upland Deciduous Medium Retention Mixed Upland Boundary Deciduous Habitat Cut: No Site Condition: Prescription Final harvest all trees 2" and up. Mark clumps of 2-5 oak (1 clump for every 2 acres) to leave as a mast source and for vertical structure. Specs: Next Step Treatments: Acceptable oak, maple, birch, basswood, pine and cherry. Regen: Other Retention for stand has already been designated through a prior harvest. New retention islands are not needed. Protect snowmobile trail from operations. Cut stumps flush along snowmobile trail. Old next step comments: Comment: Proposed Start Date: 10/01/2016 120 52020120-42.3 4111 - S.Maple, Natural Regen 4199 - Other Draft Field Sawtimber 96 51-80 Monitoring Two-Aged Hard Mast Medium (Re-Inventory) Mixed Upland Boundary Monitor Association Deciduous Habitat Cut: No Site Condition: Prescription monitor regen Specs: Next Step Treatments: Acceptable A combination of maple, oak, basswood, aspen, birch, with a minor component of conifer also acceptable. Ash and beech are not desirable. Regen: Other #520190701 Old next step comments: Comment Proposed Start Date: 10/01/2014 128 52020128 12.7 4130 - Aspen Draft Field Sapling 6 Immatu Monitoring Natural Regen 413 - Aspen Even-Aged Monitor Well re (Re-Inventory) Boundarv Habitat Cut: No Site Condition: Prescription monitor regen Specs: Next Step Treatments: Mixed aspen with a component of northern hdwds, oak, and conifer at minimal acceptable stocking. Acceptable Regen: Other Old next step comments: Comment: Proposed Start Date: 10/01/2015 314 52020314-Cut 58.4 4116 - Mixed N. Poletimber 69 111-Harvest Clearcut with 4139 - Aspen, Even-Aged Draft Field Hardwood - Aspen Well 140 Retention Mixed Boundary Deciduous Habitat Cut: No Site Condition: Prescription Final Harvest all trees 2" and up. Minimum retention left in islands. Specs: Next Step Treatments: Aspen, red maple, birch, sugar maple, oak, white pine, and cherry. Eastern portion is anticipated to be fully stocked aspen. Western areas will <u>Acceptable</u> lean more towards a hardwood component with some aspen. Regen: Other Mark a few trees to leave for vertical structure throughout stand. Target those that have potential to last as super canopy trees through the stand rotation (1 for every 2-5 acres). Protect snowmobile trail from operations. Cut stumps flush along snowmobile trail. Keep operations out of Comment: stand 119 Old next step comments:

Proposed Start Date: 10/01/2016

S t	Treatment <i>A</i> Name	G	aylord Mgt. Unit		Re	eport 4	Treatmer	nts		tment: 20 Entry: 2017	DNR
a n d		Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
424	52020424-NF	0.9	3104 - Degraded	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
		orush, and ard and s	Site Condition		ıg.				opomana		
Next Treat	<u>Step</u> ments:										
<u>Acce</u> Rege	<u>otable</u> n:										
<u>Other</u> Comr	nent:		omments:								
Propo	sed Start Date	<u>:</u> 10/0	1/2016								
425	52020425-NF	1.5	3104 - Degraded	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
Habi	<u>tat Cut:</u> No		Site Condition	<u>:</u>							
Preso Spec		lant, and/	or herbicide to mair	ntain opening	g. Plant	hard and	l soft mast.				
Next Treat	<u>Step</u> ments:										
Acce Rege	<u>otable</u> n:										
Other	Old n	ext sten o	omments:								
			ommonito.								
Comr			1/2016								
Comr Propo	nent:		1/2016	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
Comr Propo 426 Habi	nent: psed Start Date 52020426-NF tat Cut: No ription Mow, p	<u> </u>	1/2016	<u>:</u>		ified	-	Other - Specify			
Comr Propo 426 Habi Preso Spec: Next	nent: <u>sed Start Date</u> 52020426-NF <u>tat Cut:</u> No <u>ription</u> Mow, p <u>s:</u>	<u> </u>	1/2016 3104 - Degraded <u>Site Condition</u>	<u>:</u>		ified	-	Other - Specify	Herbaceous		
Comr Propo 426 Habi Preso Spec: Next Treat	nent: psed Start Date 52020426-NF tat Cut: No ription Mow, p Step ments: ptable	<u> </u>	1/2016 3104 - Degraded <u>Site Condition</u>	<u>:</u>		ified	-	Other - Specify	Herbaceous		
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Comr Propo 426 Habi Press Spec Spec Spec Next Treat Acce Rege Other Comr Propo 429 Habi Press	nent: sed Start Date 52020426-NF tat Cut: No ription Mow, p Step ments: Dtable n: Old no nent: sed Start Date 52020429-NF tat Cut: No ription Mow, p	<u>: 10/0</u> 1.1 blant, and/ ext step c <u>: 10/0</u> 1.2	1/2016 3104 - Degraded Site Condition for herbicide to main omments: 1/2016	<u>:</u> ntain opening Nonstocke <u>:</u>	g. Plan	ified t hard an Unspec ified	d soft mast.		Herbaceous Openland 310 - Herbaceous		Boundary Draft Field
Comr Propo 426 Habi Preso Spec: Next Accel Rege Other Comr Propo 429 Habi Preso Spec: Next	nent: 52020426-NF tat Cut: No ription Mow, p Step ments: Dtable n: Old no nent: Desed Start Date 52020429-NF tat Cut: No ription Mow, p Step tat Cut: No	<u>: 10/0</u> 1.1 blant, and/ ext step c <u>: 10/0</u> 1.2	1/2016 3104 - Degraded Site Condition or herbicide to main omments: 1/2016 3104 - Degraded Site Condition	<u>:</u> ntain opening Nonstocke <u>:</u>	g. Plan	ified t hard an Unspec ified	d soft mast.		Herbaceous Openland 310 - Herbaceous		Boundary Draft Field
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S t		G	aylord Mgt. Unit		Re	eport 4	Treatmen	nts		tment: 20 Entry: 2017	DNR
a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
130	52020430-NF	1.3	3104 - Degraded	Nonstocke	b	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Field Boundary
		ant, and	Site Condition		j. Plan	t hard and	d soft mast.				
Vext S Treatr	<u>Step</u> nents:										
Accep Regei	<u>otable</u> <u>n:</u>										
Other Comn	Old ne nent:	ext step c	comments:								
ropo	sed Start Date:	10/0	1/2016								
31	52020431-NF	1.2	31029 - Grass (OI)	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Fiel Boundar
		ant, and	Site Condition		j. Plant	ing of har	rd and soft mast.				
	<u>Step</u> nents:										
ccep leger	<u>table</u> <u>1:</u>										
Other Comn	Old ne nent:	ext step c	comments:								
ropo	sed Start Date:	10/0	1/2016								
32	52020432-NF	1.2	3104 - Degraded	Nonstocke	t	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Fiel Boundar
			Site Condition		g.				·		
	<u>Step</u> nents:										
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<u>)ther</u> Comn		ext step c	comments:								
ropo	sed Start Date:	10/0	1/2016								
52	52020452-NF	1.0	3104 - Degraded	Nonstocke	d	Unspec ified	NonForestMgt	Other - Specify	310 - Herbaceous Openland		Draft Fiel Boundar
		ant, and/	Site Condition		j. Plant	hard and	l soft mast.		·		
	<u>Step</u> nents:										
	o <u>table</u> n:										
<u>leger</u>	_										
<u>Regei</u> Other		ext step c	comments:								

Compartment: 20 Year of Entry: 2017

## Lucas Merrick : Examiner

## Availability for Management

Total	Acres	Acres Avail	Acres	Γ	Domina	nt Site	e Con	dition	S	
Acres	Available	With Condition	Not Available		5B	5C	2A	3D	3J	5E
706	684	0	22	Aspen				19		3
39	39	0	0	Herbaceous Openland						
3	3	0	0	Lowland Shrub						
296	191	102	4	Mixed Upland Deciduous		102				4
646	567	0	80	Northern Hardwood					66	13
44	14	22	8	Oak	22			6		2
72	61	0	10	Red Pine			7	1	2	
3	3	0	0	Tamarack						
8	8	0	0	Urban						
56	44	0	13	White Pine				13		
1,873	1,614	123	136	Total Forested Acres	22	102	7	39	69	22
	86%	7%	7%	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 Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	5E: Long-Term Retention	ention 22 Unspecified		Unspecified	Unspecified	Unspecified
	<b>Comments:</b> This is in stand reter	ntion from timber sales.					
2	Unavailable	3D: Recreational / Scenic values	3	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified
	Comments: Bradford Lake boat	launch					
3	Available	5B: Maintain for regeneration purposes	17	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

	Gaylord Mgt. Unit Lucas Merrick : Examiner			Report 5 – Site Con	ditions	Compartment: 20 Year of Entry: 2017				
4	Unavailable	3D: Recreational / Scenic values	28	1C: Other dept or div proc/practices	2I: Survey needed	Unspecified	Unspecified			
	<b>Comments:</b> Portions of stand a	re being disposed of. Survey ne	eeded	if treated. Potentially entire	stand on list for disposal?					
5	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	66	3L: Other wildlife concerns	3D: Recreational / Scenic values	Unspecified	Unspecified			
	<b>Comments:</b> Majority of stand is	on a slope running towards the	lake.							
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	85	5B: Maintain for regeneration purposes	Unspecified	Unspecified	Unspecified			
	Comments: Excellent hemlock component in NW, Nice oak on a good site. Retain for mast and see how southern portion of stand responds to treatment.									
7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments:									
11	Available	5B: Maintain for regeneration purposes	4	Unspecified	Unspecified	Unspecified	Unspecified			
	Comments:									
31	Unavailable	2A: Adjacent landowner denied access	7	3J: Water quality / BMPs (stream, river, or lake)	Unspecified	Unspecified	Unspecified			
	Comments:									

		aylord Mgt. Unit lerrick : Examiner		Report 5 – Site Co	onditions	Compartment: 20 Year of Entry: 2017	
48	Unavailable	3D: Recreational / Scenic values	7	Unspecified	Unspecified	Unspecified	Unspecified
-	comments:						
L	ake Marjory Camp	oground.					



## Report 6 – 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
Bradford Lake Boat Launch Comments	Concentrated Recreation Area	Boat Access Site	Proposed SCA	3
Lake Marjory CG Comments	Concentrated Recreation Area	State Forest Campground	Proposed SCA	8



## Report 7 – 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.

Conservati Area	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditio stocked trout populations and those of other coldwater fish speci conditions for coldwater fishes may occur in Michigan lakes if the groundwater inflows, or are located in colder (northern) areas of Director's action and designated as trout resources by Fisheries	es to persist from year to year. Suitable ey are relatively deep, have substantial the state. Such lakes are established by
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high of communities are ecologically and socially significant in their effer as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well
HCVA	Natural Rivers	There are two Natural Rivers datasets which are derived from sp approved distance from the river centerlines. The Natural Rivers most Natural Rivers. The Vegetative Buffer ranges from 25 to 10 and Vegetative Buffers for each Natural River see the table locat folder.	S Zoning District is a 400 foot buffer for 00 feet. To view specific Zoning Districts

S t	Gaylord	I Mgt. Unit		Report 8	– Forested	Stands Compartment: 20 Year of Entry: 2017		
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:		
1	4133 - Aspen, Mixed Pine	Poletimber Medium	7.3	32	111-140	A small aspen stand with larger diameter white pine. Old RR grade runs through stand. Canopy cover right around 75%.		
2	4130 - Aspen	Sapling Well	52.5	27	Immature	Soft rolling topo. Some open pockets with shrubs throughout.		
3	4112 - Maple, Beech, Cherry Association	Sawtimber Well	96.7	96	51-80	Scale present on beech. Recent sale has opened up stand, several regen holes throughout. Lots of raspberry. Rolling topo.		
4	4119 - Mixed Northern Hardwoods	Poletimber Well	53.0	96	51-80	Harvested under 3 Part Hdwd sale #520230801. Unit cut december2012. Large chip debris pile still present at landing. Excellent hemlock component in NW.		
5	42110 - Planted Red Pine	Sawtimber Well	16.5	56	141-170	Red pine avg BA = 140. Thinned in 2000. Quality and stocking is variable. A few relic pine stumps can be found. A couple pockets of nice oak regeneration with some stems reaching 8 feet but majority is under 5.		
6	4112 - Maple, Beech, Cherry Association	Sawtimber Well	32.2	91	81-110	Some wind damage found in stand. Pockets with surprising sugar maple regen.		
7	4130 - Aspen	Poletimber Well	45.7	39	81-110	Pocket of failed red pine plantation in northern finger. Some sugar maple regeneration along eastern boundary. A fair amount of dead and down habitat.		
8	4199 - Other Mixed Upland Deciduous	Sawtimber Well	118.2	90	81-110	A harvest was completed in May, 2013 (Shelter wood prep). Hemlock found in NW. Quality oak and red maple on site. Steep topography.		
11	4130 - Aspen	Poletimber Medium	61.3	36	Immature	OPIC - FMD: Section 19 E1/2NE1/4. Converting from A3 to A6.		
12	4199 - Other Mixed Upland Deciduous	Sawtimber Well	119.3	96	81-110	Some top die back evident in oaks. A few stems of hemlock and yellow birch. High quality oak.		
14	4112 - Maple, Beech, Cherry Association	Poletimber Well	74.6	69	111-140	High quality oak in stand. Scale present on beech. Rolling topo. Minor conifer component present in over story.		
15	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	9.3	82	81-110	Variable age. A few x-log parent trees. Hardwood component is below avg quality. Multiple clumps of large diameter serviceberry. Stand encompasses a small valley, center of valley is not as heavily socked and diameters are smaller.		
16	4130 - Aspen	Sapling Well	29.0	6	Immature	Stand harvested Dec 2009. Some larger oak and white pine left scattered in stand. A island left on top of one of the hills. Aspen thins out on tops of hills. A handful of great oak stump sprouts seen. Less than 1000 aspen stems\acre in some of the poorer stocked pockets.		
17	42110 - Planted Red Pine	Poletimber Well	17.3	54	141-170	Understory thick in western portions. Some sort of vine established from house hold yard waste dumping. Old RR grade runs though stand.		

S t	Gayloro	l Mgt. Unit		Report 8	- Forested	Stands Compartment: 20 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
18	4130 - Aspen	Sapling Well	27.5	26	Immature	Some oak and white pine along with a couple pockets of open areas. Still plenty of unmerch stems in the 3" range. Some areas already 40 - 50' tall. Better quality in the north. A minor amount of paper birch also present. Witch hazel, beaked hazelnut, and serviceberry make up the majority of the deciduous shrubs.
19	4130 - Aspen	Sapling Well	26.6	18	Immature	A few white pine pockets. Areas of thick beech brush 10' tall on hill tops. Rolling hills. Diameters and quality vary. 25' tall on avg.
20	4112 - Maple, Beech, Cherry Association	Sawtimber Well	45.3	91	141-170	Scale present. Rolling topo. Quality red maple with single stems throughout.
21	4112 - Maple, Beech, Cherry Association	Sawtimber Well	102.5	96	81-110	Thinned 1998-02. Beech in over story found in pockets, some oak and wp present. A couple stick nests found in stand. Western portion seems to have a larger diameter.
24	4130 - Aspen	Sapling Well	27.9	26	Immature	A few big oak and white pine scattered about. On edge of merchantability. Southern portion encompasses a valley and has extensive sugar maple regen. Variable stocking and quality.
26	4130 - Aspen	Poletimber Medium	3.2	56	Unspecified	DNR Access site on Bradford Lake. Aspen looks healthy. Stand should have no problem converting to an oak/pine type in future. Pocket of lowland in NE corner.
27	4130 - Aspen	Sapling Well	6.5	4	Immature	Northern portions has a higher stocking. A couple oaks in the south.
28	4130 - Aspen	Sapling Well	53.1	18	Immature	OPIC - FMD: Section 32 SW1/4. LEAVE OAK. LEAVE WHITE PINE IN TRAVEL INFLUENCE ZONE
30	61219 - Tamarack (OI)	Poletimber Poor	2.8	124	1-50	OPIC - FMD: Section 32 NENE. Tamarack swamp.
31	42210 - Natural Red Pine	Sawtimber Well	11.4	126	141-170	Majority of stand is narrow and slopes towards the lake. Possible encroachment issue with pvt lake lot.
33	4130 - Aspen	Poletimber Well	249.7	43	81-110	Pockets of wind damage throughout stand but primarily evident in the western portions of stand. Rolling hills. Bigtooth looks good, quaking starting to show signs of decline.
34	4123 - Red Oak	Sawtimber Well	17.0	86	51-80	A couple oak stump sprouts. Southern portions has a lower BA along with poorer quality oak and more misc hardwood.
36	42110 - Planted Red Pine	Poletimber Well	4.1	52	171-200	Over flow from a plantation on private property. Stand has been 3rd row thinned. Better quality in the east
37	4130 - Aspen	Sapling Well	6.8	18	Immature	A regenerating aspen stand. Some trees 30-40' tall. Nice quality.

S t	Gaylor	d Mgt. Unit		Report 8	– Forested	Stands Compartment: 20 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
38	4130 - Aspen	Sapling Poor	42.6	3	Immature	Tornado salvage sale harvested spring 2014. Oak has responded well to treatment, will see how herbivores impact sprouts over the 1st winter. Stand should take off next spring and result in a fully stocked aspen stand. Currently about 25% canopy coverage 3 -4' tall.
39	4123 - Red Oak	Sawtimber Poor	17.4	90	1-50	A small buffer around a hemlock along county road. Smaller diameter in eastern portions. Severe porcupine damage in a couple areas. Majority of oak regen @5'
40	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	15.6	99	51-80	Cut late 2012 Sale #520230801 (whole tree). Some yellow birch, oak, and pine also present in the canopy. Pockets of wind damage providing horizontal structure.
44	4112 - Maple, Beech, Cherry Association	Sawtimber Well	66.3	88	111-140	Locked OFS in stand. Majority of stand is a cold water lake buffer. Majority of stand slopes towards the water except for some of the southwest, it has had treatment historically and has a lower BA. Scale present. Yellow birch, paper birch and red pine also found in stand.
45	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	12.2	86	51-80	Timber sale harvest late 2012 sale #520230801. Some wind damage. A few black cherry, oak, and birch are also found in canopy.
46	4111 - S.Maple, Hard Mast Association	Poletimber Well	10.7	90	81-110	Thinned 1998. Many multi stem/clumps. A couple oak in stand. Some wind damage.
47	42110 - Planted Red Pine	Sawtimber Well	22.4	56	111-140	Pine thinned 3/2010. Pockets of aspen and red maple. Fairly limby
48	4123 - Red Oak	Sawtimber Medium	9.7	116	51-80	Lake Marjory Camp ground. Portion of stand south of road has had the aspen removed. Very little understory in camping areas but lush along perimeter. The large oak are starting to die back in tops
49	4199 - Other Mixed Upland Deciduous	Sawtimber Well	13.8	86	81-110	Large canopy gaps present from a recent wind event. Paper birch and beech also present in stand. Stand is made up of lots from the lake sub-division.
50	42200 - Natural White Pine	Poletimber Well	12.9	106	141-170	A good looking mixed pine stand. Multiple structures near property line.
51	4131 - Aspen, Oak	Poletimber Medium	15.4	52	81-110	Portions of stand recently disposed of. Nice looking stand with an excellent understory. Plenty of 5-8" oak along with the logs (aspen similar). White pine starts to show up in the north. A small drainage runs through the stand.
109	4130 - Aspen	Poletimber Well	38.1	45	111-140	A handful of saw log oak in stand. A minor amount of wind damage evident. The SE corner of stand has approx. 2 acres of northern hardwood type with aspen. Saw one 10"dbh hemlock in stand.

S t	Gaylord	I Mgt. Unit		Report 8	– Forested	Stands Compartment: 20 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
116	4199 - Other Mixed Upland Deciduous	Sawtimber Medium	45.1	103	51-80	Shelterwood 2009. Sugar maple in southern portion. Little oak regen over 5'. Scale present in stand. Red maple stump sprouts are doing well.
119	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	18.2	62	111-140	A couple large 28" seed source trees. Limby but in good shape. Snowmobile trail runs through stand. Good looking sugar maple regen in areas, a few oak stems that look like they have a chance to make it past the browse line.
120	4111 - S.Maple, Hard Mast Association	Sawtimber Medium	42.3	96	51-80	Birch found in eastern portions. A handful of oak stump sprouts. slightly rolling topo. Heavy raspberry.
128	4130 - Aspen	Sapling Well	12.7	6	Immature	A regenerating aspen stand. A handful of saw log species scattered within stand. Q aspen showing signs of poor health.
221	4117 - Mixed N. Hardwood - Pine	Sawtimber Well	23.2	96	51-80	Treated 1998. Heavy scale on beech. Several single stem basswood. Quality low on eastern edge.
314	4116 - Mixed N. Hardwood - Aspen	Poletimber Well	71.6	69	111-140	Maple variable in quality. Rolling hills. A handful of oak and red pine present in stand. Extensive porcupine activity at time of survey. Diameter smaller in the east.
401	42200 - Natural White Pine	Poletimber Poor	16.0	52	1-50	Open grown white pine with historic weevil damage. Misc. species scattered throughout with a high concentration in southern portion of stand. A pocket of A3 in the north. A couple large diameter seed source trees present.

Compartment: 20 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
9	122 - Road/Parking Lot	1.2	No	Hartwick Rd and powerline
13	3104 - Degraded	1.0	No	Well site. No identification.
22	3104 - Degraded	1.4	No	Well site. Antrim Development Co. St Otsego Lk C2-3
29	6229 - Mixed lowland shrub	2.7	No	Blueberry bog filling in with trees. Close to better than 25% canopy coverage.
32	3104 - Degraded	0.9	No	Well site. MSPC-2783. White pine and beech seedlings around the perimeter.
53	3104 - Degraded	1.1	No	Abandoned well site. Restoration pending. Well head has been removed.
54	3104 - Degraded	1.2	No	Abandoned well site. Restoration pending.
56	3104 - Degraded	2.9	No	Well site. St Otsego LK 3-21. Enervest Operating. Portions of pipeline corridor also included.
138	122 - Road/Parking Lot	2.3	No	Old US 27.
209	110 - Low Intensity Urban	2.0	No	Michigan State Police Tower site. Posted as pvt property? Still under DNR ownership.
238	122 - Road/Parking Lot	2.7	No	Marlette Rd.
424	3104 - Degraded	0.9	No	A recently abandoned well site. Well head has been removed. Restoration pending.
425	3104 - Degraded	1.5	No	A recently abandoned well site and CPF. Well head and buildings have been removed. Restoration pending. A small radio tower still on site
426	3104 - Degraded	1.1	No	A recently abandoned well site. Well head has been removed. Restoration pending.
429	3104 - Degraded	1.2	No	Recently abandoned well site. Well head has been removed. Site restoration pending.
430	3104 - Degraded	1.3	No	Well site. Recently abandoned. Well head removed. Restoration pending.
431	31029 - Grass (OI)	1.2	No	OPIC - FMD: GAS WELL SITE. Section 33 SWNW.

Compartment: 20 Year of Entry: 2017



Stand	Cover Type	Acres	Managed Site	General Comments:
432	3104 - Degraded	1.2	No	Abandoned well site. Restoration pending. Well head removed.
436	3104 - Degraded	1.3	No	Well site. Antrim Development Co, ST OTSEGO LK A4-19.
437	3104 - Degraded	1.1	No	Well site, Name not present on well. MPSC-3554
438	3104 - Degraded	1.4	No	Well site. No identification. Oak seedlings along perimeter.
439	31029 - Grass (OI)	1.1	No	Well site. No identification. MPSC-2508
440	3104 - Degraded	1.0	No	Well site. Antrim Development Co. St Otsego Lk A2-30
441	3104 - Degraded	1.1	No	Well site. No identification. Pad built up with fill to level pad.
442	31029 - Grass (OI)	1.0	No	Well site. No info.
443	3104 - Degraded	1.2	No	Well site. Has identification sign but unable to read it.
444	3104 - Degraded	4.3	No	CPF location. Misc debris scattered about(tires and portable fuel tanks). There are no signs identifying ownership.
445	3104 - Degraded	1.0	No	Well site. No identification.
447	3104 - Degraded	3.2	No	Large well site. No identification.
450	3104 - Degraded	1.2	No	Well site. No identification.
451	3104 - Degraded	1.4	No	Well site. Signs missing. MSPC# 2781
452	3104 - Degraded	1.0	No	Abandoned well site. Restoration pending. Site is currently gated.
453	3104 - Degraded	0.8	No	Well site. MSPC-2489