DNR DNR

Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 52064
Entry Year 2017
Acreage: 3,804
County Antrim

Management Area: Grayling Outwash

Revision Date: 2015-05-12 Stand Examiner: Zach Crew

Legal Description:

T29N, R05W, Sections 23, 24, 25, 26, 35 & 36

Identified Planning Goals:

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

Soil and topography:

The main soil type is Rubicon Sand. This is located in the flat areas and outwash plains of the compartment. Kalkaska-Montcalm sands are located in the south and central portion of the compartment where topography begins to develop.

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

Ownership within this compartment is contiguous and only part of the north side of the compartment abuts against private property. There is quite a bit of gas well activity in this compartment.

Unique Natural Features:

The Manistee River flows along the east boundary of the compartment.

Archeological, Historical, and Cultural Features:

None

Special Management Designations or Considerations:

None

Watershed and Fisheries Considerations:

None

Wildlife Habitat Considerations:

Treatments in this compartment will maintain age class diversity in aspen while creating early successional habitat 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. The glacial drift thickness varies between 600 and 800 feet. Beneath the glacial drift is the Mississippian Coldwater Shale. The Coldwater does not have a current economic use. A gravel pit is located one mile to the east and there is good potential on the uplands. Oil and gas potential in the area is for the Antrim Shale gas play and Niagaran reef play. This area is leased and is currently being developed for oil and gas.

Vehicle Access:

Access to this compartment is along Mancelona Road. Both Deward Road and North Crooked Lake Road run along the east and west boundaries of this compartment. There are plenty of gaswell roads that run through the compartment as well.

Survey Needs:

None

Recreational Facilities and Opportunities:

An ORV trail runs throughout the majority of this compartment. A snowmobile trail runs through the NW part of this compartment.

Fire Protection:

Fire protection is provided out the Gaylord and Bellaire Field Offices. The majority of the forest types in this area are not highly susceptible to large scale fire events.

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

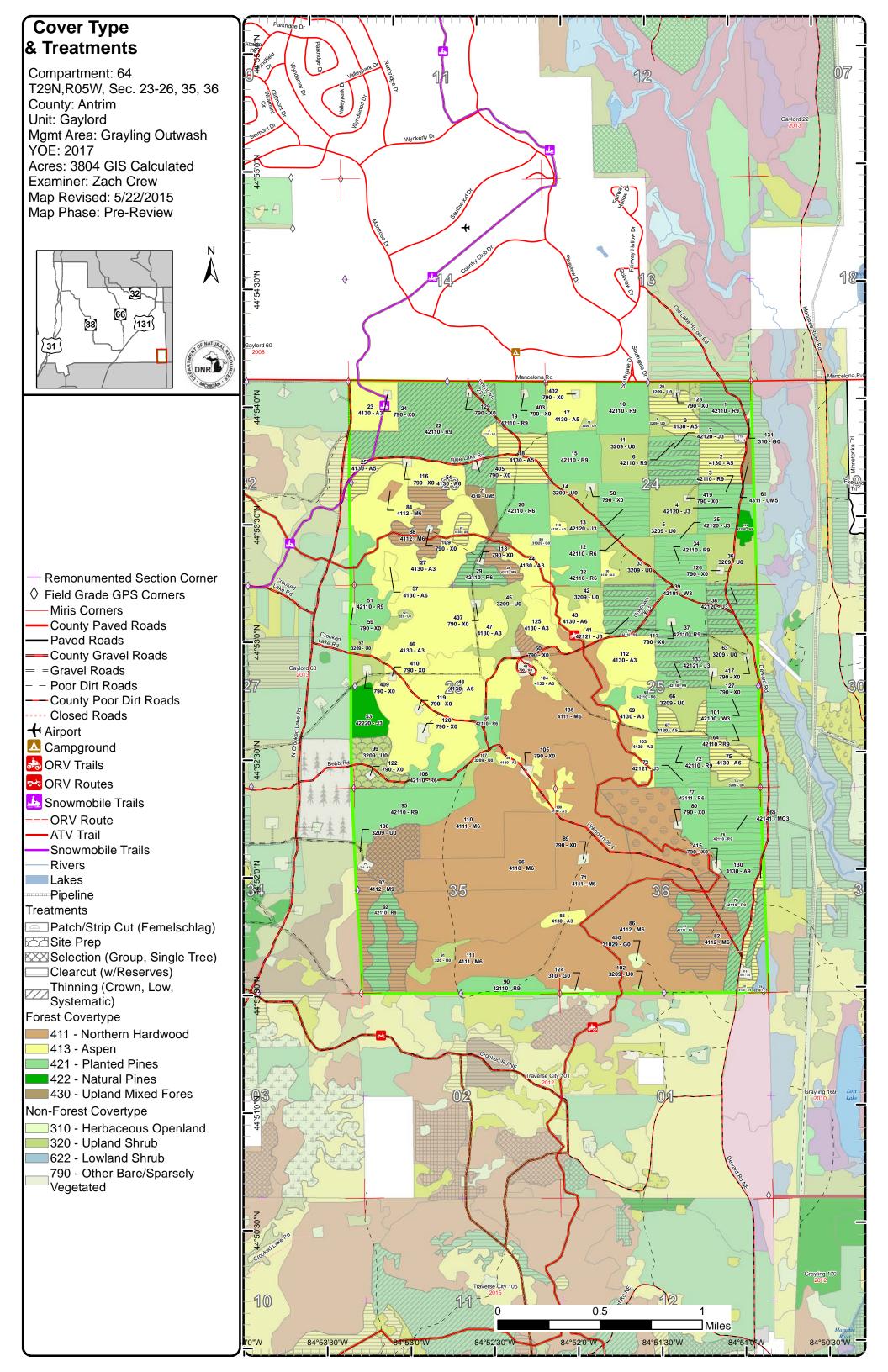
The following information is displayed, where pertinent, on the attached compartment maps:

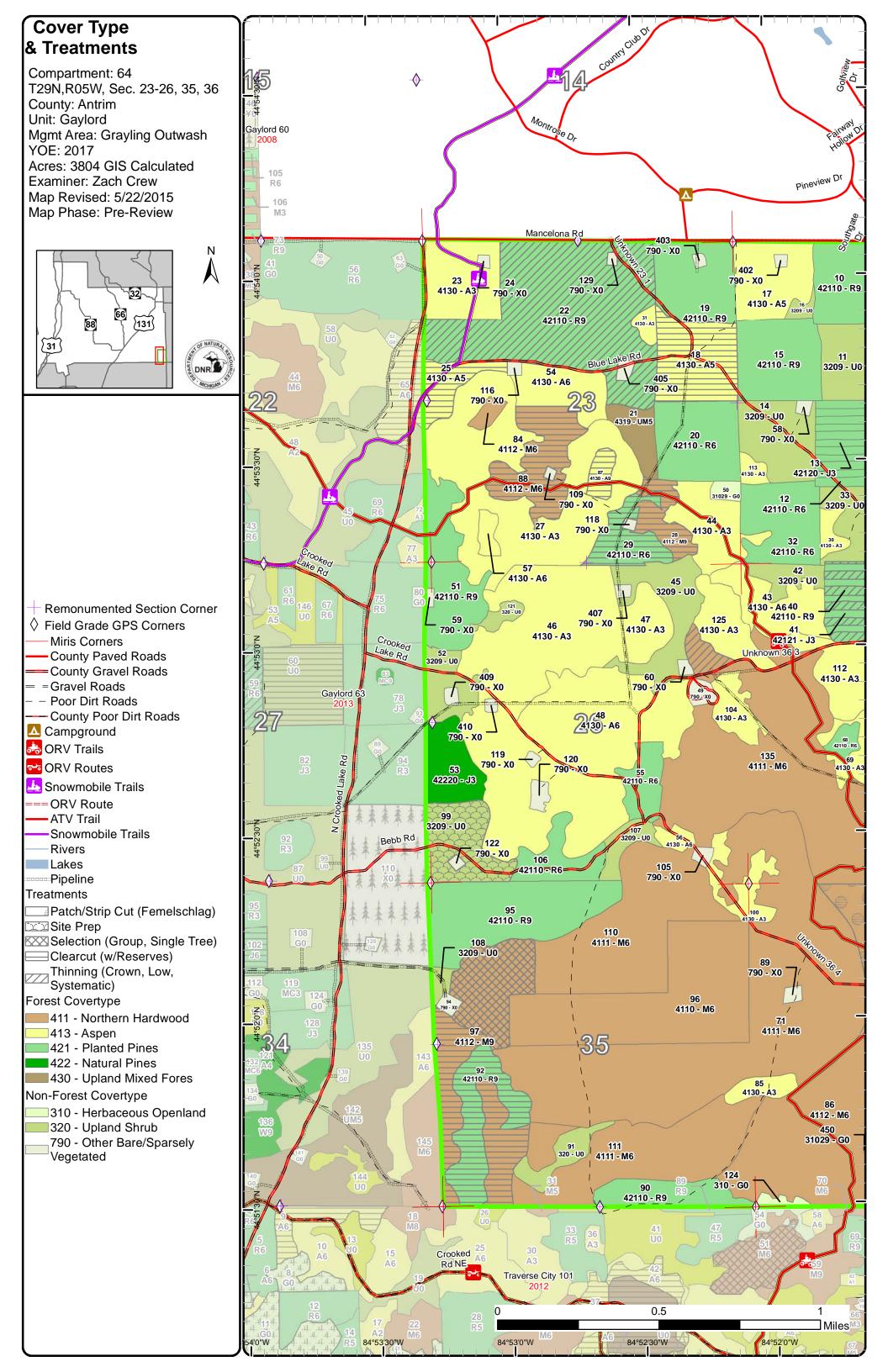
Base feature information, stand boundaries, cover types, and numbers

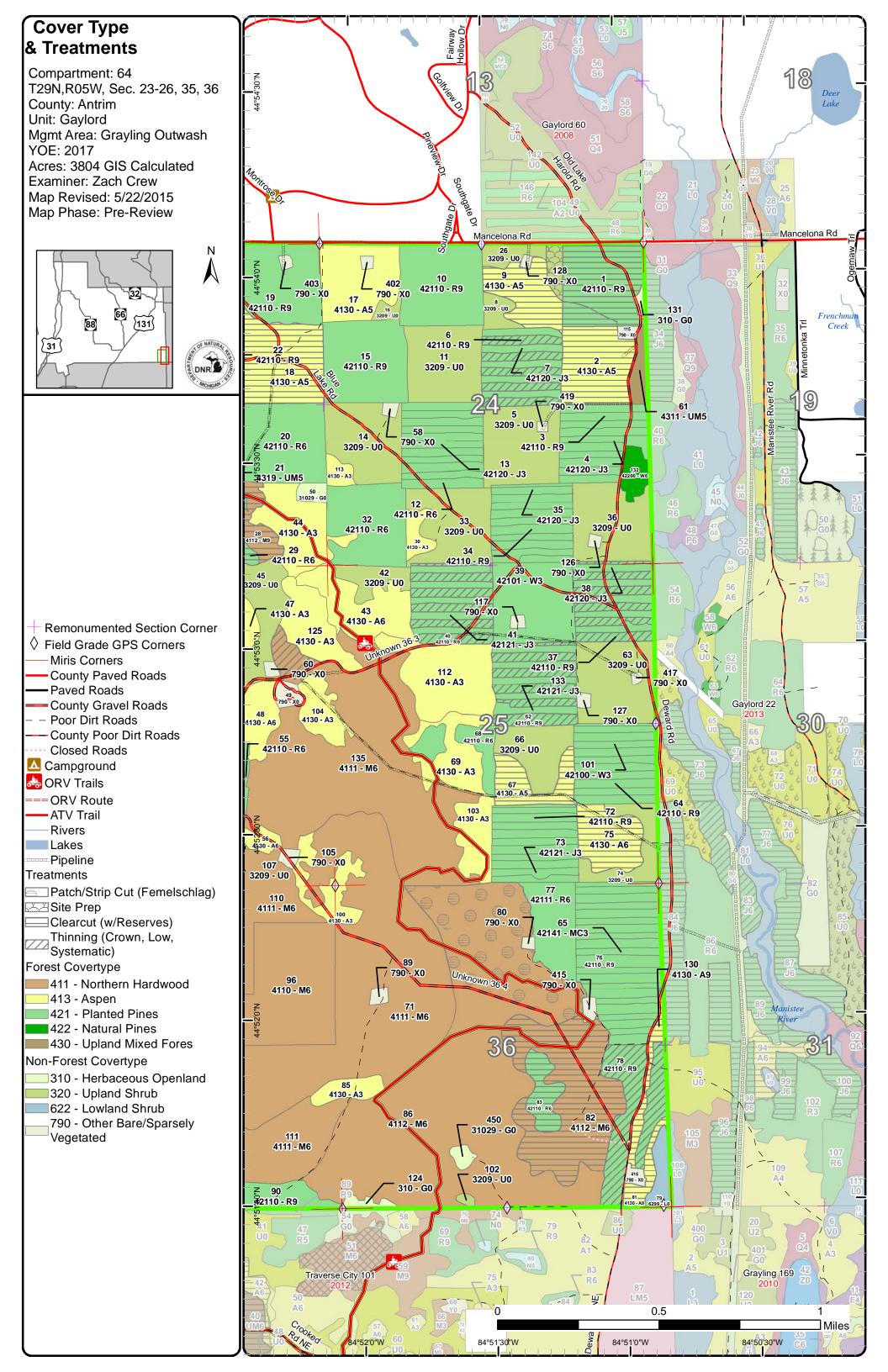
Proposed treatments

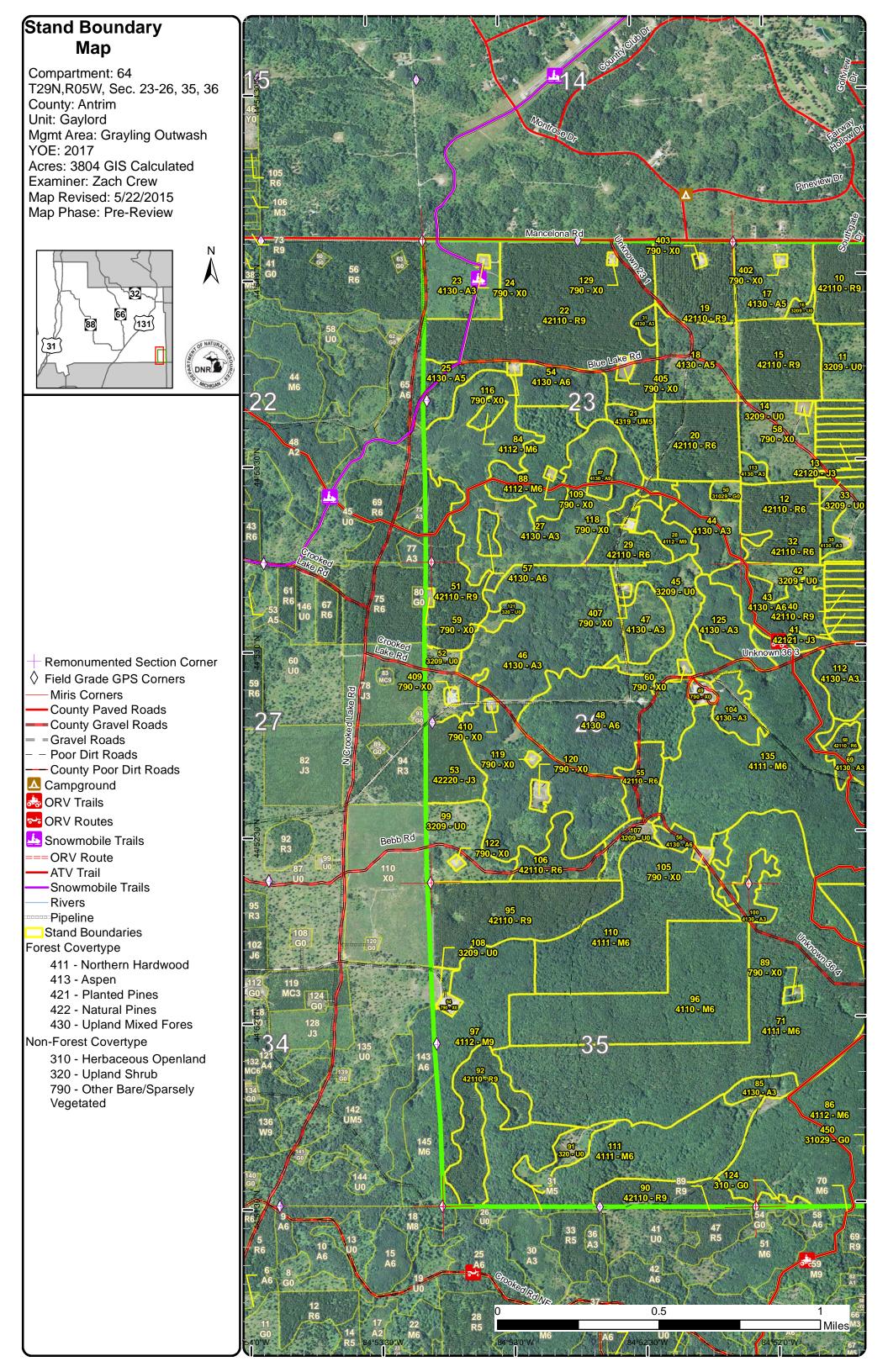
Site condition boundaries

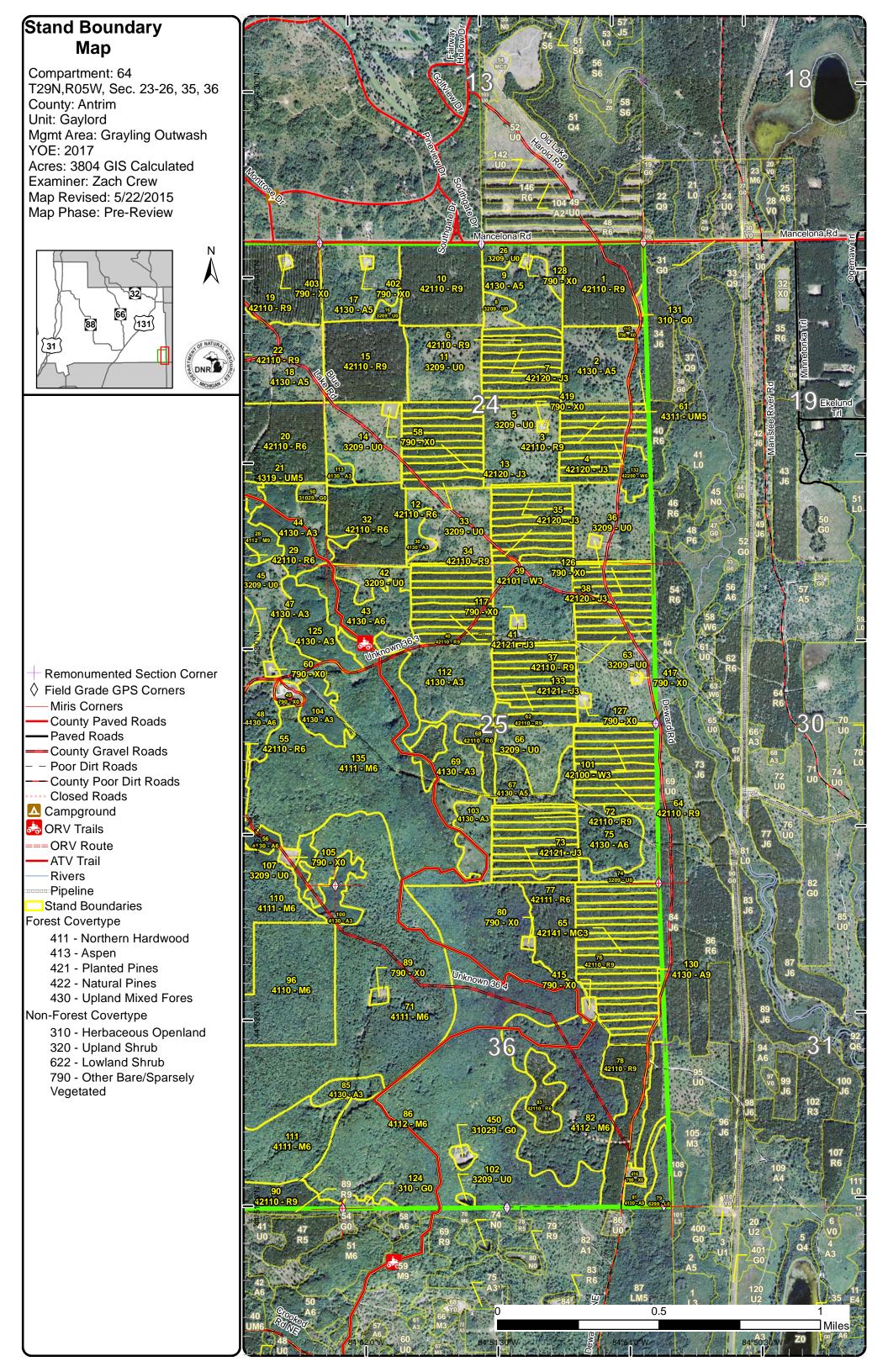
Details on the road access system

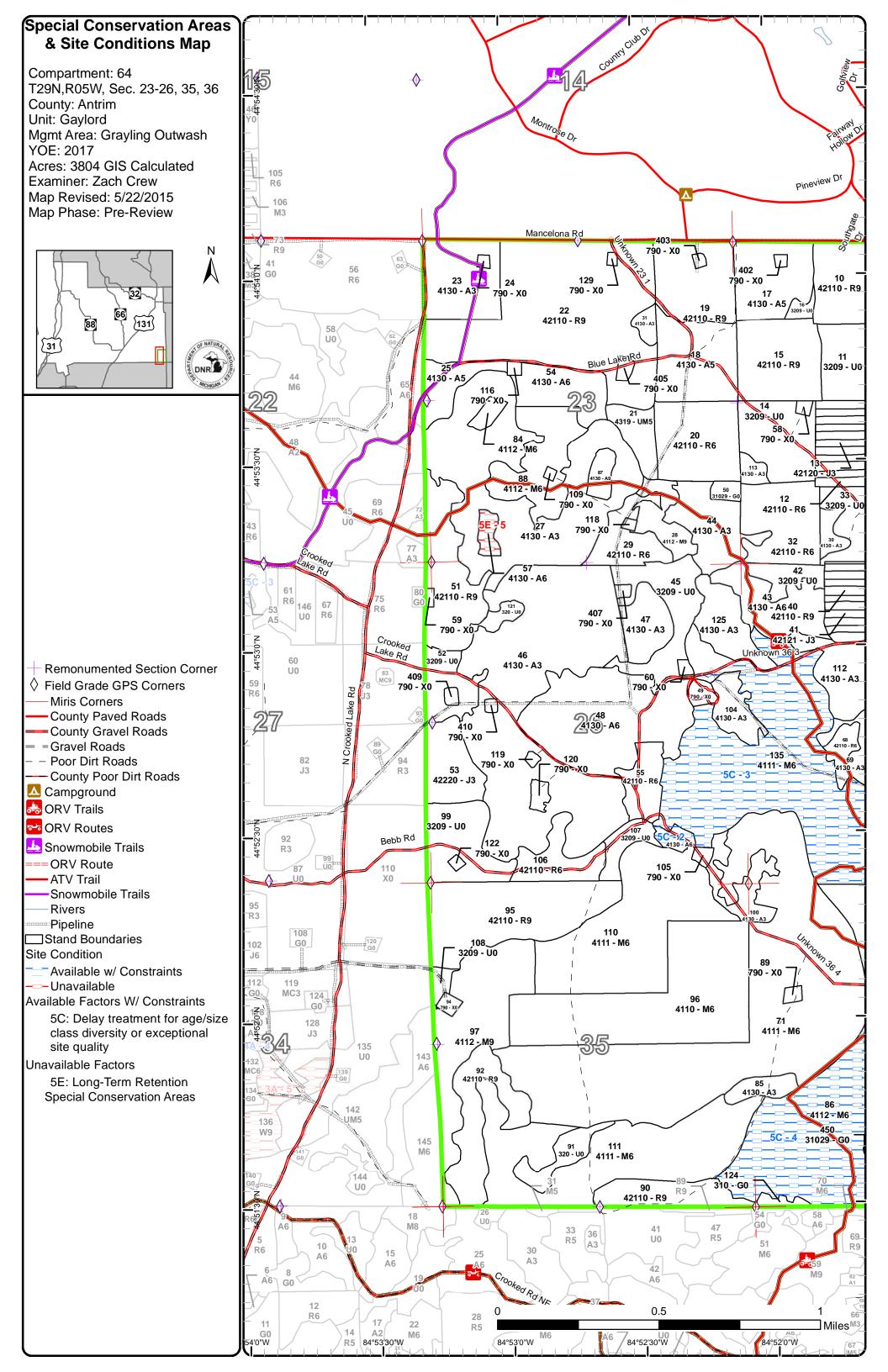


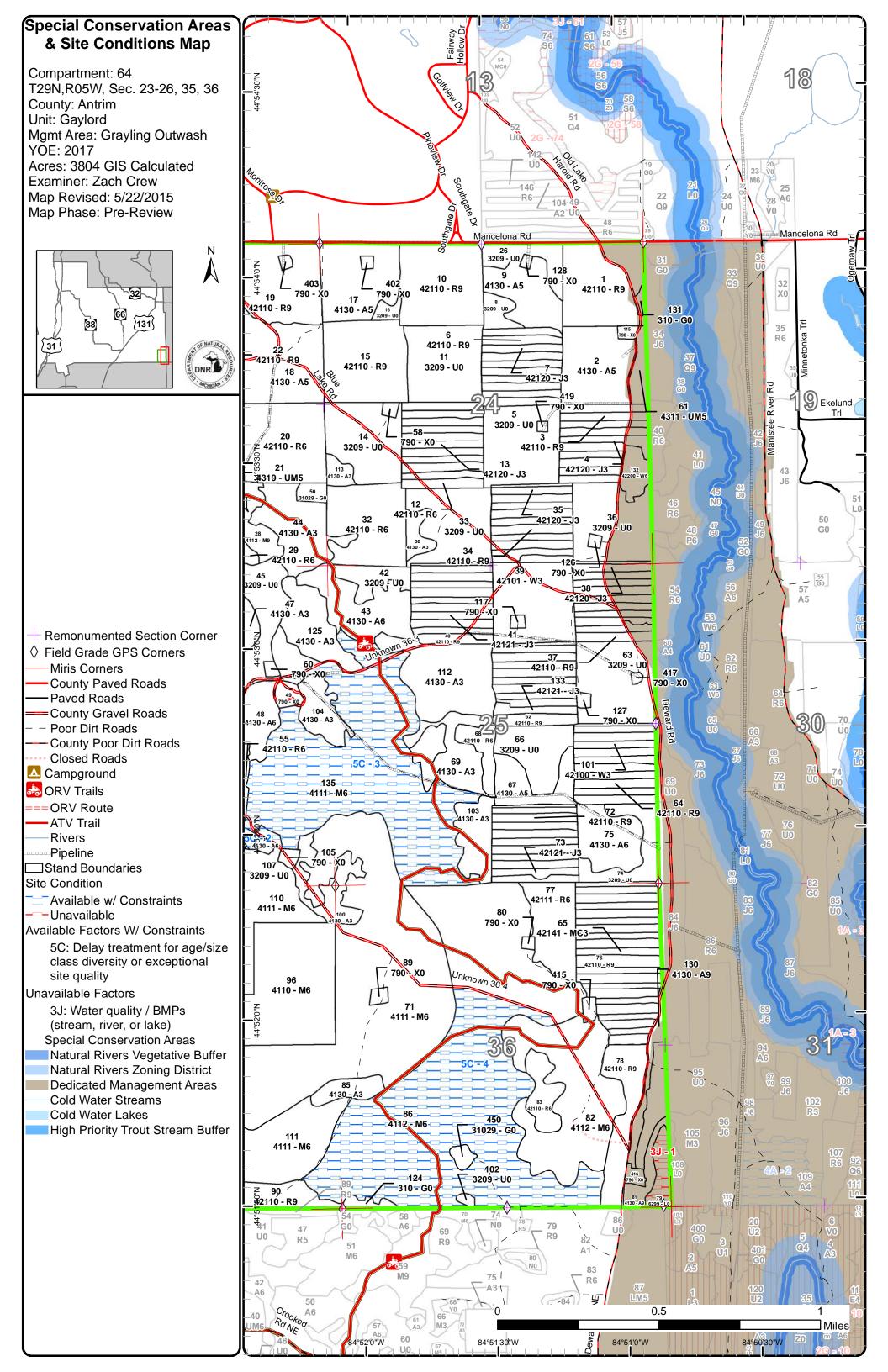












Compartment 64 Year of Entry 2017



Gaylord Mgt. Unit Zach Crew: Examiner

Age Class

	¥or	A STATE OF THE STA	3/2	0, /o	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$ \(\frac{\pi}{2} \)	No. 18	3/8		,	8 8	8 /8	80,00,	, , , , , , , , , , , , , , , , , , ,	i vi		I.E.	By July	No. No.
Aspen	0	71	180	298	0	263	23	60	7	0	0	0	0	0	0	0	0	0	902
Bare/Sparsely Vegetated	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43
Herbaceous Openland	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11
Jack Pine	0	0	167	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	167
Lowland Shrub	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Northern Hardwood	0	0	0	0	0	0	0	275	589	253	0	0	0	0	0	0	0	102	1219
Planted Mixed Pines	0	0	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Red Pine	0	0	0	0	0	0	756	188	0	0	0	0	0	0	0	0	0	0	944
Upland Mixed Forest	0	0	0	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	20
Upland Shrub	396	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	396
White Pine	0	0	57	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	65
Total	458	71	433	298	0	263	807	523	596	253	0	0	0	0	0	0	0	102	3804



Report 2 – Treatment Summary

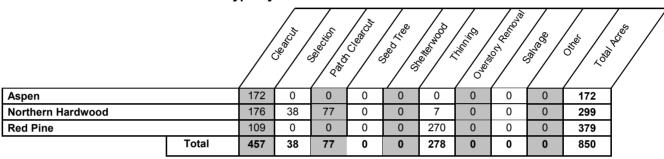
Gaylord Mgt. Unit Year of Entry: 2017

Acres of Harvest

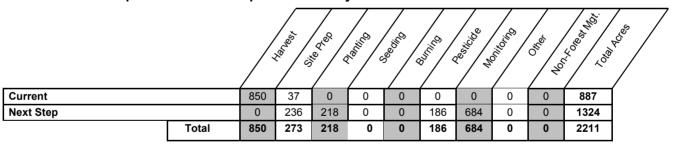
Compartment 64
Total Compartment Acres: 3,804

Commercial Harvest - 850 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 37

Cover Type by Harvest Method



Proposed and Next Step Treatments by Harvest Method



t a									rear or	Entry: 2017	MICHIGAN .
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	52064001-19- New	5.7	42110 - Planted Red Pine	Sawtimber Well	64	111- 140	Harvest	Clearcut	413 - Aspen	Even-Aged	Proposal

Habitat Cut: No Site Condition: None

Prescription Clearcut southwest corner of stand in order to connect final harvests in stands 9 and 2 and expand Aspen as well as begin to start breaking up Specs:

checkerboard pattern in the area

Next Step Treatments:

Acceptable Any mix of deciduous species resulting in a medium stocked aspen dominated stand.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

52064001-Cut 35.0 42110 - Planted Sawtimber 64 111-Harvest Clearcut with 4211 - Planted Even-Aged Proposal Red Pine Well 140 Red Pine Retention

Habitat Cut: No Site Condition: None

<u>Prescription</u> Follow standard retention guidelines, focus retention along the edges of the stand.

Specs:

Next Step 1 - SitePrep, Trenching; 2 - Planting, Initial Plant; 3 - Pesticide, Aerial

Treatments:

Acceptable A fully stocked red pine plantation

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

52064002-Cut 4130 - Aspen 32.3 Poletimber 45 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Medium Retention

Habitat Cut: No Site Condition: None

Prescription Final harvest stand

Specs:

Next Step

Treatments:

Acceptable Any mix of deciduous species that results in an aspen dominated stand.

Regen:

Other Incorporate pine as much as possible into retention pockets. Do not cut white pine. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

42110 - Planted 52064006-Cut 20.1 Sawtimber 59 171-Crown Thinning 4211 - Planted Harvest Even-Aged Proposal Red Pine Well 200 Red Pine

Habitat Cut: No Site Condition: None

Prescription Thin red pine to 120 BA, do not cut any Red Pine species unless they interfere with equipment operations.

Specs:

Next Step

Treatments:

Acceptable

Regen: Other

Old next step comments:

Comment:

Gaylord Mgt. Unit Report 4 -- Treatments Compartment: 64 s Year of Entry: 2017 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Method Name CoverType Density Age Range Type Objective Structure **Status** d 9 52064009-Cut 22.7 4130 - Aspen Poletimber 81-110 Clearcut with 413 - Aspen 58 Harvest Even-Aged Proposal Medium Retention **Habitat Cut: No** Site Condition: None Prescription Clearcut stand, use standard retention guidelines Specs: Next Step Treatments: Acceptable Any mix of deciduous species resulting in an aspen dominated stand. Regen: Old next step comments: Other Comment: **Proposed Start Date:** 10/1 /2016 18 52064018-Cut 40.4 4130 - Aspen Poletimber 60 51-80 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Medium Retention **Habitat Cut: No** Site Condition: None Prescription Final harvest stand, favor the SW portion for retention. Specs: Next Step Treatments: Acceptable A mix of deciduous species resulting in a well stocked aspen stand. Regen: Other Make sure to protect wildlife shrubs during sale. Old next step comments: Comment: Proposed Start Date: 10/1 /2016 52064022-Cut 144.7 42110 - Planted Sawtimber 59 171-4211 - Planted Harvest Crown Thinning Even-Aged Proposal Red Pine Well 200 Red Pine Site Condition: None **Habitat Cut:** No Prescription Thin stand to 120 BA, focus removal on porcupine damaged or crotched trees. Specs: Next Step Treatments: Acceptable Treatment is a thinning, regen is not a management objective at this time. Regen: Be sure to protect the ORV Trail during harvest operations. Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2016

52064025-Cut 15.9 Poletimber 46 51-80 Clearcut with 4130 - Aspen Harvest 413 - Aspen Even-Aged Proposal Retention

Medium

Habitat Cut: No Site Condition: None

Prescription Final harvest stand along with stand 65 in the adjacent compartment.

Specs:

Next Step

Treatments:

Acceptable Any mix of deciduous species that results in a fully stocked aspen stand.

Regen:

Other Standard retention. Be sure to protect the ORV trail during harvest operations using retention and BMPs. Old next step comments:

Comment:

Gaylord Mgt. Unit Report 4 -- Treatments Compartment: 64 s Year of Entry: 2017 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d 26 52064026-4.8 3209 - Upland SitePrep 4211 - Planted Even-Aged Nonstocked Unspec Trenching Proposal Shrub (OI) ified Red Pine Prep **Habitat Cut: Yes** Site Condition: None Prescription plant in conjunction with stand 1 to the east Specs: Next Step 1 - Planting, Initial Plant; 2 - Pesticide, Aerial Treatments: Acceptable A fully stocked red pine plantation Regen: Other Old next step comments: Comment: **Proposed Start Date:** 10/1 /2016 52064028-Cut 15.5 4112 - Maple, Sawtimber 72 81-110 Harvest Clearcut with 4319 - Mixed Even-Aged Proposal Beech. Cherry Well Retention **Upland Forest** Association Site Condition: None **Habitat Cut: No** Prescription Final harvest stand, standard retention applies Specs: Next Step **Treatments:** Acceptable Any mix of species that results in a medium stocked stand. Regen: Be sure to protect the ORV trail during harvesting operations using retention and BMPs. Old next step comments: **Other** Comment: **Proposed Start Date:** 10/1 /2016 52064029-Cut 20.0 42110 - Planted Poletimber 81-110 4319 - Mixed Harvest Clearcut with Even-Aged Proposal Red Pine Well Retention **Upland Forest Habitat Cut: No Site Condition:** None Prescription Final harvest stand in conjunction with stand 28, focus retention pockets around regenerating aspen and hardwood from previous harvests. Specs: Next Step Treatments: Acceptable Any mix of species that results in a medium stocked stand. Regen: Other Be sure to protect the ORV trail during harvesting operations using retention and BMPs. Old next step comments: Comment: **Proposed Start Date:** 10/1 /2016 52064037-Cut 21.6 42110 - Planted Sawtimber 171-4211 - Planted Harvest Crown Thinning Even-Aged Proposal Red Pine Well 200 Red Pine **Habitat Cut: No** Site Condition: None

Prescription Thin Red Pine to 120 BA, do not cut any non Red Pine species unless they interfere with equipment operations.

Specs:

Next Step **Treatments:**

<u>Acceptable</u>

Regen:

Other Old next step comments:

Comment:

Gaylord Mgt. Unit Report 4 -- Treatments Compartment: 64 s Year of Entry: 2017 t а **Treatment** Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** n Name CoverType Density Age Range Type Method Objective Structure **Status** d 40 52064040-Cut 23.5 42110 - Planted Sawtimber 171-Crown Thinning 4211 - Planted Even-Aged 59 Harvest Proposal Red Pine Well 200 Red Pine **Habitat Cut: No** Site Condition: None Prescription Thin red pine to 120 BA, only remove non Red Pine species if they interfere with equipment access. Specs: Next Step Treatments: Acceptable Regen is not an objective of this treatment Regen: Old next step comments: Other Comment: **Proposed Start Date:** 10/1 /2016 62 52064062-Cut 42110 - Planted 59 201+ 24.2 Sawtimber Harvest Crown Thinning 4211 - Planted Even-Aged Proposal Red Pine Well Red Pine **Habitat Cut: No** Site Condition: None Prescription Thin Red Pine to 120 BA, do not cut any non Red Pine species unless they interfere with equipment access. Specs: Next Step Treatments: Acceptable Regen: Other Old next step comments: Comment: **Proposed Start Date:** 10/1 /2016 52064067-Cut 16.6 Poletimber 45 51-80 Clearcut with 413 - Aspen 4130 - Aspen Harvest Even-Aged Proposal Medium Retention Site Condition: None Prescription Final harvest stand, expand into the surrounding upland brush as much as possible.

Habitat Cut: No

Specs:

Next Step

Treatments:

Acceptable Any mix of deciduous species that results in a fully stocked aspen stand.

Regen:

Standard Retention Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2016

52064075-Cut 22.2 Poletimber 48 51-80 Clearcut with 4130 - Aspen Harvest 413 - Aspen Even-Aged Proposal

Retention

Habitat Cut: No Site Condition: None

Prescription Final harvest stand, try and expand into the surrounding u type as much as possible.

Specs:

Next Step Treatments:

Acceptable Any mix of deciduous species that results in a fully stocked aspen stand.

Regen:

Other Standard retention. Old next step comments:

Comment:

Next Step Treatments:

Acceptable 2nd entry thinning, no regen objectives

Regen:

Specs:

Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2016

81 52064081-Cut 6.8 4130 - Aspen Sawtimber 69 81-110 Harvest Clearcut with 413 - Aspen Even-Aged Proposal Well

Retention

Habitat Cut: No Site Condition: None

Prescription Final Harvest Stand.

Specs:

Next Step Treatments:

Acceptable A mix of Aspen and deciduous species resulting in a fully stocked stand.

Regen:

Other Utilize the pocket of upland spruce/fir in the SE corner for retention. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

52064082-Cut 4211 - Planted 75.7 4112 - Maple, Poletimber 77 111-Harvest Clearcut with Even-Aged Proposal Beech, Cherry Well 140 Retention Red Pine

Association

Habitat Cut: No Site Condition: None

Prescription Clearcut stand, make sure to leave retention along the edges of the stand so as not to interfere with planting efforts.

Specs:

1 - SitePrep, Trenching; 2 - Planting, Initial Plant; 3 - Monitoring, Artificial Regen(1yr); 4 - Pesticide, Aerial; 5 - Monitoring, Artificial Next Step

Treatments: Regen(3yr)

Acceptable A fully stocked planted red pine stand with intermixed wildlife openings.

Regen:

Other We may decide to implement some managed wildlife openings within the planted red pine stand. Be sure to protect the ORV trail during

harvesting operations. Also when the site is to be planted be sure not to trench or plant through the trail. Old next step comments: Comment:

Proposed Start Date: 10/1 /2016

52064083-Cut 12.2 42110 - Planted Poletimber 54 111-Harvest Clearcut 4211 - Planted Even-Aged Proposal

Red Pine Well 140

Habitat Cut: No Site Condition: None

Prescription Clearcut stand, no retention due to stand size. Specs:

1 - SitePrep, Trenching; 2 - Planting, Initial Plant; 3 - Monitoring, Artificial Regen(1yr); 4 - Pesticide, Aerial; 5 - Monitoring, Artificial Next Step

Treatments: Regen(3yr)

Acceptable A fully stocked planted red pine stand with some intermixed managed wildlife openings.

Regen:

After the harvest, we may decide to implement some intermixed wildlife openings in the red pine stand. Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2016 Red Pine

Report 4 -- Treatments



Compartment: 64

Red Pine

Year of Entry: 2017

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
86	52064086-Cut	77.0	4112 - Maple, Beech, Cherry Association	Poletimber Well	69	111- 140	Harvest	Strip/Patch/Gap Cut (Femelschlag)	411 - Northern Hardwood	Uneven- Aged	Proposal
<u>Hal</u>	bitat Cut: No		Site Condition:	None							

<u>Prescription</u> Mark out strips a chain wide crossing the stand. Target 30 percent of the stand canopy to harvest. Strips can be started on the east side of the <u>Specs</u>: stand either from the 2 track or the two gas wells located there. Cut everything 2 inches and up in those strips.

Next Step Treatments:

Acceptable A mix of deciduous species that mimic the composition of the overstory.

Regen:

Other Be sure to protect the ORV trail during harvest operations. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

87 52064087-Cut 6.6 4130 - Aspen Sawtimber 70 81-110 Harvest Clearcut 413 - Aspen Even-Aged Proposal

Well

Habitat Cut: No Site Condition: None

Prescription Final harvest stand

Specs:

Next Step Treatments:

Acceptable Any mix of deciduous species that results in a fully stocked aspen dominated stand

Regen:

Other No retention due to small stand size. Be sure to protect the ORV Trail during harvest operations. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

88 52064088-Cut 37.5 4112 - Maple, Poletimber 75 81-110 Harvest Clearcut with 4199 - Other Even-Aged Proposal Retention Mixed Upland

Association Deciduous

Habitat Cut: No Site Condition: None

<u>Prescription</u> Final harvest this stand. Leave a buffer of at least a 1/2 chain around the edge of the stand to prevent aspen encroachment from the surrounding stands. Be sure to leave the appropriate buffer around the MNFI hit next to the gas well. Utilize retention to save some the

scattered non merchantable yellow birch. Drop a variety of species as nurse logs on the edges of these retention pockets.

Next Step

Treatments:

Acceptable Any mix of deciduous species that results in a medium stocked stand.

Regen:

Other If the retention acreage ends up being greater than 10% of the stand acres that is acceptable. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

92 52064092-Cut 36.2 42110 - Planted Sawtimber 54 111- Harvest Clearcut with 4211 - Planted Even-Aged Proposal

Red Pine Well 140 Retention

Habitat Cut: No Site Condition: None

<u>Prescription</u> Clearcut stand, make sure to leave retention around the edge of the stand so as not to interfere with planting efforts.

Specs:

Next Step 1 - SitePrep, Trenching; 2 - Planting, Initial Plant; 3 - Monitoring, Artificial Regen(1yr); 4 - Pesticide, Aerial; 5 - Monitoring, Artificial

Treatments: Regen(3yr)

Acceptable A fully stocked red pine stand with intermixed wildlife openings.

Regen: Other

Wildlife openings may be intermixed throughout the red pine stand. Old next step comments:

Comment:

Treatments:

Acceptable Any mix of deciduous species that results in a well stocked aspen dominated stand.

Regen:

Other Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

52064099-32.4 3209 - Upland 99 Nonstocked Unspec SitePrep Roller Chopping 4211 - Planted Even-Aged Proposal Red Pine Shrub (OI) ified Prep

Habitat Cut: Yes Site Condition: None

Prescription Roller chop to prep site for trenching and planting

Specs:

1 - SitePrep, Trenching; 2 - Planting, Initial Plant Next Step

Treatments:

Acceptable A fully stocked red pine plantation

Regen:

Old next step comments: Other

Comment:

Proposed Start Date: 10/1 /2014

52064111-Cut 22.3 4111 - S.Maple. Poletimber 75 81-110 Harvest Clearcut with 4211 - Planted Even-Aged Proposal Retention Red Pine

Hard Mast Well

Association

Habitat Cut: No Site Condition: None

Prescription Clearcut stand, make sure to place retention along the edge of the stand so as not to interfere with post harvest site prep. Specs:

Next Step 1 - SitePrep, Roller Chopping; 2 - SitePrep, Trenching; 3 - Planting, Initial Plant; 4 - Monitoring, Artificial Regen(1yr); 5 - Pesticide, Aerial

Treatments:

Acceptable A fully stocked planted red pine stand with intermixed wildlife openings.

Regen:

Some wildlife openings should be intermixed within the planted red pine stand. Old next step comments:

Other Comment:

Gaylord Mgt. Unit Report 4 -- Treatments Compartment: 64 s Year of Entry: 2017 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type Approval** Age n CoverType Method Objective d Name Density Age Range Type Structure **Status** 130 52064130-Cut 8.1 4130 - Aspen Sawtimber 69 81-110 Harvest Clearcut 413 - Aspen Even-Aged Proposal Well **Habitat Cut: No** Site Condition: None Prescription Final harvest stand Specs: Next Step Treatments: Acceptable Mix of aspen and deciduous species that results in a fully stocked stand. Regen: **Other** No retention due to small stand size. Old next step comments: Comment: **Proposed Start Date:** 10/1 /2016 135 52064135-Cut 7.2 71 111-Crown Thinning 411 - Northern Uneven-Proposal 4111 - S.Maple, Poletimber Harvest Hard Mast 140 Well Hardwood Aged Association

Habitat Cut: No Site Condition: None

Prescription Mark out poor quality trees with a target residual BA of 80 BA. Cut all beech except those marked to leave for hard mast production.

Specs:

Next Step Treatments:

Acceptable Regen:

Other Will probably have to set up as multiple small fuelwood sales. Old next step comments:

Comment:

Proposed Start Date: 10/1 /2016

Total Treatment 886.9 **Acreage Proposed:**

Gaylord Mgt. Unit Zach Crew : Examiner

Compartment: 64
Year of Entry: 2017

Dominant Site Conditions

5C 5E

Aspen	5	5
Bare/Sparsely Vegetated		
Herbaceous Openland		
Jack Pine		
Lowland Shrub		
Northern Hardwood	371	
Planted Mixed Pines		
Red Pine		
Upland Mixed Forest		
Upland Shrub		
White Pine		
Total Forested Acres	375	5
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.

	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						
2	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	5	Unspecified	Unspecified	Unspecified	Unspecified
С	comments:						

Report 5	- Site C	Conditions
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Gaylord Mgt. Unit

Zach Crew : Examiner

3	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	173	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
4	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	198	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Unavailable	5E: Long-Term Retention	5	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



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
Comments				

Gaylord Mgt. Unit Compartment: 64
Year of Entry 2017



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.

Conservation	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 condition stocked trout populations and those of other coldwater fish specific 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 communities are ecologically and socially significant in their effect 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	Dedicated Management Areas	Such areas are dedicated by the DNR Director for specific manarules, as governed by Part 5, Department of Natural Resources, 324.504). Section 38 of the Administrative Procedures Act (MCL the promulgation of rules. This is an active program, with one pro DNR.	of the NREPA (MCL 324.502(2) and 24.238) provides for public requests for
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 Mgt. Unit			Report 8	– Forested	Stands Compartment: 64 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	Sawtimber Well	40.7	64	111-140	Good looking plantation, should be ready to thin next YOE. Thinned in 1998
2	4130 - Aspen	Poletimber Medium	32.3	45	51-80	West side of stand fully stocked A6
3	42110 - Planted Red Pine	Sawtimber Well	18.8	59	141-170	OPIC - FMD: Thinning completed in 1998 by removing every third row and intermixed species.
4	42120 - Planted Jack Pine	Sapling Well	18.9	15	Immature	Jack Pine planted in 2000.
6	42110 - Planted Red Pine	Sawtimber Well	20.1	59	171-200	Red pine thinned in 1998. Good form
7	42120 - Planted Jack Pine	Sapling Well	17.8	15	Immature	Jack Pine planted in 2000.
9	4130 - Aspen	Poletimber Medium	22.7	58	81-110	OPIC - FMD: Clones of Big Tooth & Quaking Aspen. A few scattered white pine. Inclusions of upland brush.
10	42110 - Planted Red Pine	Sawtimber Well	41.7	65	141-170	OPIC - FMD: RECOMMEND REMOVING JACK PINEDO NOT ROW THIN RED PINE SELECTION MARK. Thinning completed in 1998. Looks good with spacing & BA hold & re-evaluate in 5 years to determine if a thinning is needed.
12	42110 - Planted Red Pine	Poletimber Well	25.5	59	141-170	OPIC - FMD: Third row thinning completed in 1998, & species thinning released stand adequately. In 10 yrs. Consider marked thinning.
13	42120 - Planted Jack Pine	Sapling Well	17.5	15	Immature	Jack pine planted in 2000
15	42110 - Planted Red Pine	Sawtimber Well	41.6	59	111-140	OPIC - FMD: Red pine never thinned. Third row thinning prescribed & remove other intermixed species. 2008: Thinning completed.
17	4130 - Aspen	Poletimber Medium	33.7	44	51-80	OPIC - FMD: Low to moderately stocked aspen with upland brush inclusions.
18	4130 - Aspen	Poletimber Medium	40.4	60	51-80	Some nice clones of Big Tooth Aspen, mostly lower quality Quaking Aspen, wildlife shrubs noted in the understory
19	42110 - Planted Red Pine	Sawtimber Well	37.5	65	111-140	OPIC - FMD: Healthy red pine plantation developed into small logs & bolts. Third row thin red pine & species thin to remove the aspen & jack pine. 2008: Thinning completed.
20	42110 - Planted Red Pine	Poletimber Well	40.6	59	111-140	thinned in 2008, species other than red pine removed as well.
21	4319 - Mixed Upland Forest	Poletimber Medium	13.4	55	1-50	Open grown White Pine in the over story mixed with red maple and aspen.

S t	Gaylord Mgt. Unit			Report 8	- Forested	Stands Compartment: 64 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42110 - Planted Red Pine	Sawtimber Well	144.7	59	171-200	OPIC - FMD: Thinning completed in 1997 by species thinning all aspen and hardwood & third row thinned. Crowns adequately released. Consider thinning in one decade. Note: A3 inclusions in southeast corner of stand & within stand not separately mapped out. More underbrush in the north half of the stand, rows are east/west
23	4130 - Aspen	Sapling Well	36.6	7	Immature	Harvested in 2008, fully stocked regen
25	4130 - Aspen	Poletimber Medium	15.9	46	51-80	OPIC - FMD: COMMERCIAL HARVEST 1969. Quaking aspen stand with snowmobile trail running through it and upland brush inclusions. Re-evaluate for commercial harvest next decade.
27	4130 - Aspen	Sapling Well	127.1	15	Immature	OPIC - FMD: 2000: When harvested, four patches of aspen /hardwood were left standing within this stand for age/class diversity. These have now been broken out as separate stands.
28	4112 - Maple, Beech, Cherry Association	Sawtimber Well	15.5	72	81-110	Poor Quality hardwood stand dominated by Red Maple, some trace sugar maple in the understory but according to KOTAR and neighboring forest types it doesn't appear as though that would become a dominant part of the stand.
29	42110 - Planted Red Pine	Poletimber Well	20.0	54	81-110	Red Pine stand, thinned in 2010, species thinned aspen and hardwood as well.
30	4130 - Aspen	Sapling Well	5.8	7	Immature	OPIC - FMD: Mature big tooth aspen stand prescibed for final harvest in combination with the thinning on adjacent stand 32. 2008: Harvest completed in May, 2008.
31	4130 - Aspen	Sapling Well	4.2	18	Immature	OPIC - FMD: Small aspen stand cut in 1997 creating dense aspen regeneration.
32	42110 - Planted Red Pine	Poletimber Well	37.5	59	111-140	OPIC - FMD: R6 with aspen inclusion. Third row thin & species thin to remove aspen and hardwood.
34	42110 - Planted Red Pine	Sawtimber Well	21.7	59	141-170	OPIC - FMD: Thinning completed in 1998 which released crowns adequately. Consider a marked thinning next decade.
35	42120 - Planted Jack Pine	Sapling Well	17.8	15	Immature	Jack pine planted in 2000
37	42110 - Planted Red Pine	Sawtimber Well	21.6	59	171-200	OPIC - FMD: Row thinned in 1999 & species thinned to remove jack pine, aspen, & mixed hardwood. Hold & re-evaluate in ten years for marked thinning.
38	42120 - Planted Jack Pine	Sapling Well	17.9	15	Immature	Jack pine planted in 2000
39	42101 - Planted White Pine, Mixed Deciduous	Sapling Well	38.8	16	Immature	White pine planted in 1999. Lots of Aspen and Black Cherry competition. Some of the aspen and black cherry look to have been left from when the stand was last harvested.

s t	Gaylord	Gaylord Mgt. Unit			- Forested	Stands Compartment: 64 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	42110 - Planted Red Pine	Sawtimber Well	23.5	59	171-200	OPIC - FMD: Strips of red pine previously third row thinned & species thinned. Narrow strips adequately released. Consider marked thinning in 10 years.
41	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	17.0	15	Immature	Jack pine planted in 2000
43	4130 - Aspen	Poletimber Well	29.9	45	51-80	Aspen stand of fair quality. Some juneberry and wildlife shrubs in the stand as well
44	4130 - Aspen	Sapling Well	29.7	24	Immature	Fully stocked stand of aspen regen
46	4130 - Aspen	Sapling Well	183.5	24	Immature	Aspen stand beginning to develop into a pole stand
47	4130 - Aspen	Sapling Well	18.1	15	Immature	Final harvest completed in 2000, fully stocked aspen stand
48	4130 - Aspen	Poletimber Well	82.4	43	81-110	Aspen pole/log stand, good stocking
51	42110 - Planted Red Pine	Sawtimber Well	43.3	54	141-170	OPIC - FMD: Red pine plantation with variable density & aspen component. Species thin to remove aspen & hardwood. Consider marking out rows to remove to reduce overall red pine BA. Include seasonal restriction on cutting contract due to hawk siting nearby. 2008: Thinning complete
53	42220 - Natural Jack Pine	Sapling Well	24.1	15	Immature	OPIC - FMD: Dense, young jack pine well established by natural regeneration due to logging equipment dragging the tops across the soil surface & scarifying the site. Says was a natural stand, but it looks planted in some parts
54	4130 - Aspen	Poletimber Well	24.6	46	81-110	OPIC - FMD: COMMERCIAL HARVEST 1969. Young, healthy 36 year old aspen stand. Wildlife shrubs present
55	42110 - Planted Red Pine	Poletimber Well	16.1	54	141-170	Third row thinned in 2010, red maple, aspen, black cherry removed from rows as well.
56	4130 - Aspen	Poletimber Well	4.5	49	81-110	Aspen pole stand, good looking stand
57	4130 - Aspen	Poletimber Well	5.0	64	81-110	OPIC - FMD: Mature aspen stand with quaking, big tooth aspen, and red maple. Management descision to create this island of aspen during adjacent harvest for age/class diversity.
61	4311 - Pine, Aspen Mix	Poletimber Medium	7.0	52	51-80	Older white pine is open grown, dense saplings in the understory.
62	42110 - Planted Red Pine	Sawtimber Well	24.2	59	201+	OPIC - FMD: Red pine strips thinned in 1999 by removing every third row and j.pine, aspen, and hardwood. Hold 1 decade.

S	Gaylord	l Mgt. Unit		Report 8	Forested	Stands Compartment: 64 Year of Entry: 2017
t a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
64	42110 - Planted Red Pine	Sawtimber Well	22.7	58	141-170	OPIC - FMD: Third row thinned in 1999 along with a species thinning. Prescribe marked thinning to reduce BA to 110, and release pine within the rows. HARVESTED IN 2010. Looks like the marked thinning did not remove too much BA. Still would be a good candidate to hold for 10 years.
65	42141 - Planted Mixed Pine, Mixed Deciduous	Sapling Well	29.3	15	Immature	Red Pine of planted origin, Jack pine naturally seeded in post harvest, Red pine not doing well, lots of aspen sprouts as well
67	4130 - Aspen	Poletimber Medium	16.6	45	51-80	patchy clones of aspen and red maple, low quality
68	42110 - Planted Red Pine	Poletimber Well	14.0	54	81-110	OPIC - FMD: Third row thin red pine for first thinning effort. HARVESTED IN 2010. Small for age, very low stocking in the south half of the stand, better in the north.
69	4130 - Aspen	Sapling Well	21.0	24	Immature	OPIC - FMD: Young aspen stand with some scattered upland brush within stand.
71	4111 - S.Maple, Hard Mast Association	Poletimber Well	253.2	87	51-80	Selection harvest completed in Dec.2011. Good Residual. Steep Terrain along the east edge of the stand.
72	42110 - Planted Red Pine	Sawtimber Well	23.0	58	111-140	lots of aspen/hdwd in stand due to species thinning when 3rd row thinned. very open and limby red pine
73	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	18.3	15	Immature	Cut and replanted with a white pine/jack pine mix. White pine is not doing well.
75	4130 - Aspen	Poletimber Well	22.2	48	51-80	Low quality aspen stand
76	42110 - Planted Red Pine	Sawtimber Well	45.4	54	141-170	Red Pine thinned in 2010, BA still pretty high
77	42111 - Planted Red Pine, Mixed Deciduous	Poletimber Well	25.0	52	111-140	OPIC - FMD: Third row thin red pine plantation for first thinning effort. Remove red maple as long as damage doesn't occur due to any large topped clumps. More pure hardwood strips located in north part of stand that will species thinned out. HARVESTED IN 2010. Lots of RM and Aspen mixed into stand, RP BA ranges fro 80 to 170
78	42110 - Planted Red Pine	Sawtimber Well	36.3	54	171-200	Thinned in 98. Stocking is back high enough for a marked thinning. Rows easy to find.
81	4130 - Aspen	Sawtimber Well	6.8	69	81-110	Aspen stand, small inclusion of upland spruce/fir in the SE corner of stand adjacent to lowland (stand 79)
82	4112 - Maple, Beech, Cherry Association	Poletimber Well	75.7	77	111-140	OPIC - FMD: Predominantly red maple pole stand with intermixed sugar maple, b.cherry. Lower BA, can be held. Lower priority to thin.

S t	Gaylor	d Mgt. Unit		Report 8	Forested	Stands Compartment: 64 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
83	42110 - Planted Red Pine	Poletimber Well	12.2	54	111-140	OPIC - FMD: Red pine plantation. Prescribe a third row thinning. Narrow access trail leading to pine. HARVESTED IN 2010.
84	4112 - Maple, Beech, Cherry Association	Poletimber Well	4.0	74	81-110	Northern hardwood stand left during adjacent final harvest. Mix of sugar maple, red maple, and big tooth aspen on outside edges of stand. In southwest part of stand is an A5,M4 clone left for diversity during final harvest of stand 27.
85	4130 - Aspen	Sapling Well	8.4	4	Immature	OPIC - FMD: Final harvest completed in Dec. 2011.
86	4112 - Maple, Beech, Cherry Association	Poletimber Well	274.9	69	111-140	Mostly fair quality red maple, some trace clones of aspen as well. Quality of the stand improves as you move uphill to the west, this is where you start finding more sugar maple.
87	4130 - Aspen	Sawtimber Well	6.6	70	81-110	OPIC - FMD: Mature aspen stand with quaking, big tooth aspen, and red maple. Management descision to create this island of aspen during adjacent harvest for age/class diversity.
88	4112 - Maple, Beech, Cherry Association	Poletimber Well	37.5	75	81-110	Clumpy Sugar Maple and Red Maple, more single stems in the south of stand. Good looking basswood and yellow birch. Some MIFI hits in the area.
90	42110 - Planted Red Pine	Sawtimber Well	22.4	54	111-140	OPIC - FMD: ROW THIN EVERY THIRD ROW & SPECIES THIN TO REMOVE MIXED HARDWOOD in 1998. Prescribe a marked thinning to reduce the red pine BA & remove mixed hardwood. HARVESTED IN 2010.
92	42110 - Planted Red Pine	Sawtimber Well	36.2	54	111-140	OPIC - FMD: Red pine plantation with good survival. Third row thin. Rows are generally easy to follow, but some might require marking to reduce BA to 120. Some porcupine damage. Note: Frost pocket with small openings within plantation. HARVESTED IN 2010.
95	42110 - Planted Red Pine	Sawtimber Well	68.3	64	111-140	OPIC - FMD: Third row thinning completed in 1997 on 62 acres. Marked thinning needed currently. HARVESTED IN 2010.
96	4110 - Sugar Maple Association	Poletimber Well	110.4	72	81-110	Hardwood selectively thinned in 1991. Slow response to release but still fair quality trees mostly of pole timber size. Hold for another 10 years.
97	4112 - Maple, Beech, Cherry Association	Sawtimber Well	63.6	71	81-110	Northern hardwood polestand with component of 12-14" beech & red maple. O.K. logging access from the gas well site, stand 94.
100	4130 - Aspen	Sapling Well	16.4	15	Immature	Final harvest completed in 2000.
101	42100 - Planted White Pine	Sapling Well	18.1	15	Immature	White pine planted in 2010, some Jack Pine and Quaking Aspen due to natural seeding.

s t	Gaylord	d Mgt. Unit		Report 8	Forested	Stands Compartment: 64 Year of Entry: 2017
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
103	4130 - Aspen	Sapling Well	16.4	5	Immature	OPIC - FMD: Mature aspen and limby open grown hardwood on rolling terrain. Final harvest prescribed to promote regeneration of mature stand. HARVESTED IN 2010.
104	4130 - Aspen	Sapling Well	14.0	15	Immature	Final harvest completed in 2000. Young aspen regeneration with heavy hardwood stump sprouting also.
106	42110 - Planted Red Pine	Poletimber Well	19.8	54	111-140	OPIC - FMD: Red pine plantation that would benefit from a first time thinning. Remove 25% either by cutting every fourth row or marking stand. Small inclusion in southwest corner of stand will not need to be thinned (R5). HARVESTED IN 2010.
110	4111 - S.Maple, Hard Mast Association	Poletimber Well	98.4	77	51-80	OPIC - FMD: Northern hardwood polestand with basswood logs 12-16" d.b.h. Workable terrain with access from the north. Selection harvest completed in Dec.2011. AVG BA = 73
111	4111 - S.Maple, Hard Mast Association	Poletimber Well	106.1	75	81-110	Northern hardwood of open grown, limby quality on rolling to hilly terrain. Thinning not needed currently. Basswood log component with commercial value. Noticed 2 oak trees during inventory of stand.
112	4130 - Aspen	Sapling Well	41.1	24	Immature	Fully Stocked A3 stand, merged old OI stand 60 and 112
113	4130 - Aspen	Sapling Well	4.2	7	Immature	OPIC - FMD: Mature big tooth aspen stand prescibed for final harvest in combination with the thinning on adjacent stand 20. 2008: Harvest completed in May, 2008.
125	4130 - Aspen	Sapling Well	22.4	24	Immature	Fully stocked aspen stand
130	4130 - Aspen	Sawtimber Well	8.1	69	81-110	Aspen stand similar to stand 81, separated by stand 416 and stand 78.
132	42200 - Natural White Pine	Poletimber Well	7.7	56	51-80	Natural white pine stand, older trees are open grown but dense sapling development
133	42121 - Planted Jack Pine, Mixed Deciduous	Sapling Well	18.1	15	Immature	Jack pine planted in 2000
135	4111 - S.Maple, Hard Mast Association	Poletimber Well	180.2	71	111-140	Hilly terrain with M6 poletimber. Hold & let grow at present density. Merged with stand 70 to the east. Some nice stems in places.



Stand	Cover Type	Acres	Managed Site	General Comments:
5	3209 - Upland Shrub (OI)	36.2	No	OPIC - FMD: Upland brush with scattered non-merchantable cherry. Minor component of small aspen clone saplings developing. Proposed planting of white and red pine seedlings in this stand to restore native pine. Also, within 5 yrs. after pine planting, plant acorns
8	3209 - Upland Shrub (OI)	6.1	No	OPIC - FMD: Upland brush with scattered cherry of non-merchantable open grown form. A4, A1.
11	3209 - Upland Shrub (OI)	35.2	No	OPIC - FMD: Upland brush with small inclusions of low quality 1 stick aspen clones.
14	3209 - Upland Shrub (OI)	32.8	No	OPIC - FMD: Upland brush. White pine stump land with some scrub black cherry & A2 developing. Experimented with a prescribed burn that promoted sedge growth, so no further white pine seeding was done.
16	3209 - Upland Shrub (OI)	3.0	No	OPIC - FMD: Upland brush with cherry & young aspen developing. White pine stump remnants.
24	790 - Other Bare/Sparsely Vegetate	1.0	No	Gaswell
26	3209 - Upland Shrub (OI)	12.1	No	OPIC - FMD: Upland brush with scattered cherry of non-merchantable open grown form.
33	3209 - Upland Shrub (OI)	33.6	No	OPIC - FMD: Upland brush with scattered cherry and aspen developing. Experimented with a prescribe burn that promoted sedge growth making it difficult to proceed with any pine seeding.
36	3209 - Upland Shrub (OI)	35.1	No	OPIC - FMD: Upland brush with scattered non-commercial black cherry & white pine. Small clones of aspen developing also. White pine dense in northeast corner.
42	3209 - Upland Shrub (OI)	10.3	No	OPIC - FMD: Upland brush with scattered cherry, jack pine, red maple, & aspen clones.
45	3209 - Upland Shrub (OI)	33.2	No	OPIC - FMD: Upland brush with scattered non-merchantable black cherry trees and some A1.
49	790 - Other Bare/Sparsely Vegetate	3.8	No	OPIC - FMD: GAS AND OIL FACILITY
50	31029 - Grass (OI)	3.4	No	OPIC - FMD: Open rolling terrain with a depression or bowl. Could have been glacier carved. White pine stump country. Keep open due to frost pocket.
52	3209 - Upland Shrub (OI)	18.2	No	OPIC - FMD: Upland brush with scattered small, young clones of quaking aspen, some J1, A1.
58	790 - Other Bare/Sparsely Vegetate	1.3	No	Gas Well Site



Stand	Cover Type	Acres	Managed Site	General Comments:
59	790 - Other Bare/Sparsely Vegetate	1.0	No	Gaswell
60	790 - Other Bare/Sparsely Vegetate	1.2	No	Gas Well Site
63	3209 - Upland Shrub (OI)	37.6	No	OPIC - FMD: Upland brush with non-commercial cherry & some quaking aspen clones. Proposed to plant white pine & red pine seedlings to restore native species. Also, within 5 yrs. after the pine planting, plant acorns throughout.
66	3209 - Upland Shrub (OI)	21.7	No	OPIC - FMD: Upland brush with scattered non-merchantable cherry & some young aspen clones developing.
74	3209 - Upland Shrub (OI)	16.4	No	OPIC - FMD: Upland brush with scattered non-merchantable cherry.
79	6299 - Lowland Shrub (OI)	8.4	No	OPIC - FMD: Tag alder, wild raisin, viburnum.
80	790 - Other Bare/Sparsely Vegetate	1.0	No	
89	790 - Other Bare/Sparsely Vegetate	1.8	No	Gaswell site.
91	320 - Upland Shrub	12.7	No	Grassy opening, some orv trails throughout
94	790 - Other Bare/Sparsely Vegetate	2.2	No	Gas well site
99	3209 - Upland Shrub (OI)	32.4	No	OPIC - FMD: Upland brush with open, grassy areas and small clones of A3, A5. Minor scattered species include jack pine, white pine, cherry.
102	3209 - Upland Shrub (OI)	1.1	No	OPIC - FMD: Upland brush in low depression with scattered aspen, cherry trees.
105	790 - Other Bare/Sparsely Vegetate	1.9	No	Gas Well Site looks abandoned
107	3209 - Upland Shrub (OI)	9.7	No	OPIC - FMD: Upland brush with scattered black cherry, aspen clones. Potential landing site.
108	3209 - Upland Shrub (OI)	3.7	No	OPIC - FMD: Upland brush with scattered cherry developing & minor component of jack pine, knap weed ground cover.
109	790 - Other Bare/Sparsely Vegetate	0.7	No	
115	790 - Other Bare/Sparsely Vegetate	1.5	No	Gas Well



Stand	Cover Type	Acres	Managed Site	General Comments:
116	790 - Other Bare/Sparsely Vegetate	1.2	No	
117	790 - Other Bare/Sparsely Vegetate	1.2	No	Gas Well Site
118	790 - Other Bare/Sparsely Vegetate	0.9	No	Gas Well Site
119	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas Well
120	790 - Other Bare/Sparsely Vegetate	3.1	No	Gas well site
121	320 - Upland Shrub	4.9	No	
122	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas Well Site
124	310 - Herbaceous Openland	3.0	No	OPIC - FMD: Northern hardwood polestand on steep hillside with variable density and more difficult access. Hold & re-evaluate next time.
126	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas Well
127	790 - Other Bare/Sparsely Vegetate	1.3	No	Gas well site.
128	790 - Other Bare/Sparsely Vegetate	0.8	No	Gas Well Site
129	790 - Other Bare/Sparsely Vegetate	0.8	No	Gas Well Site
131	310 - Herbaceous Openland	1.5	No	
402	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas well site.
403	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas well site.
405	790 - Other Bare/Sparsely Vegetate	2.1	No	Gas well site.
407	790 - Other Bare/Sparsely Vegetate	1.2	No	Gas well site.
409	790 - Other Bare/Sparsely Vegetate	1.5	No	Gas well site.

Report 9 - Nonforested Stands



Stand	Cover Type	Acres	Managed Site	General Comments:
410	790 - Other Bare/Sparsely Vegetate	1.0	No	Gas well site.
415	790 - Other Bare/Sparsely Vegetate	2.0	No	Gas well site.
416	790 - Other Bare/Sparsely Vegetate	2.1	No	Gas well site
417	790 - Other Bare/Sparsely Vegetate	0.7	No	Gas well Site
419	790 - Other Bare/Sparsely Vegetate	0.7	No	Gas well site.
450	31029 - Grass (OI)	2.7	No	Low, glacial formed frost pocket with scattered cherry. Possible future landing site when adjacent hardwood is thinned.