



Compartment Review Presentation

Gaylord Forest Management Unit

Compartment 28

Entry Year 2015

Acreage: 1,261

County Otsego

Management Area: Grayling Outwash

Revision Date: 04/16/2013

Stand Examiner: Lucas Merrick

Legal Description:

Bagley Township, T30N, R03W, Sections: 19, 20, 29, 30 and 31. Livingston Township, T31N, R03W, Section 32.

Identified Planning Goals:

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

Soil and topography:

Roselawn, Rubicon, Kalkaska, and Blue Lake sands. The compartment is variably level on the Roselawn/Rubicon sands where pine is predominant. It is somewhat hilly on the Kalkaska and Blue Lake sands where the hardwood types are found.

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

The majority of public land is located southeast of Gaylord. State owned land is checker boarded throughout a mixed private ownership consisting of industrial private property along with seasonal and permanent private residential holdings. The Gaylord Operations Service Center and associated field offices are located within the compartment. The Hoxie Pike Marsh is located along the north end of Otsego Lake in section 20.

Unique Natural Features:

Common loons known to occur in lakes found around this area. Bald eagles occur throughout the area. Northern goshawk and red-shouldered hawk have low potential.

Archeological, Historical, and Cultural Features:

There are HAL concerns associated with section 19 (T30N-R03W).

Special Management Designations or Considerations:

None at this time.

Watershed and Fisheries Considerations:

This compartment is primarily in the North Branch Au Sable River watershed, and contains Fowler Lake. There are no prescriptions planned near this waterbody, so Fisheries has no concerns at this time.

Wildlife Habitat Considerations:

This compartment consists mostly of upland areas of hardwoods, red pine, and aspen. Aspen and poor quality hardwoods will be treated in this compartment to provide early successional habitat maintain age-class diversity that benefits white-tailed deer, wild turkey, grouse, woodcock, and various songbirds. This area receives significant hunting pressure for white-tailed deer, grouse, woodcock, and wild turkey.

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 1,000 feet. The Mississippian Coldwater, Sunbury and Bedford Shales subcrop below the glacial drift. These shales do not have an economic use. Gravel pits are located within the Compartment and potential appears to be good on the uplands. Most of the compartment appears to be developed for Antrim Shale gas production and has had some Niagaran reef development. Additional potential exists in the Niagaran and Antrim.

Vehicle Access:

Access across the compartment is excellent thanks to multiple county roads and pipeline easements.

Survey Needs:

None at this time.

Recreational Facilities and Opportunities:

Dispersed outdoor recreational activities are evident throughout. A small parcel of state ownership is found north of the

compartment on Five Lakes off Murner Road providing lake access.

Fire Protection:

Sour gas does occur in this compartment, caution should be used by heavy equipment around gas pipelines and facilities. Access throughout the compartment is adequate for suppression. The multiple roads and pipeline also act as fuel breaks. The majority of cover types are not prone to large fire events. Multiple lakes provide potential water points.

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**

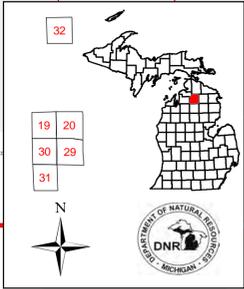
The following information is displayed, where pertinent, on the attached compartment maps:

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

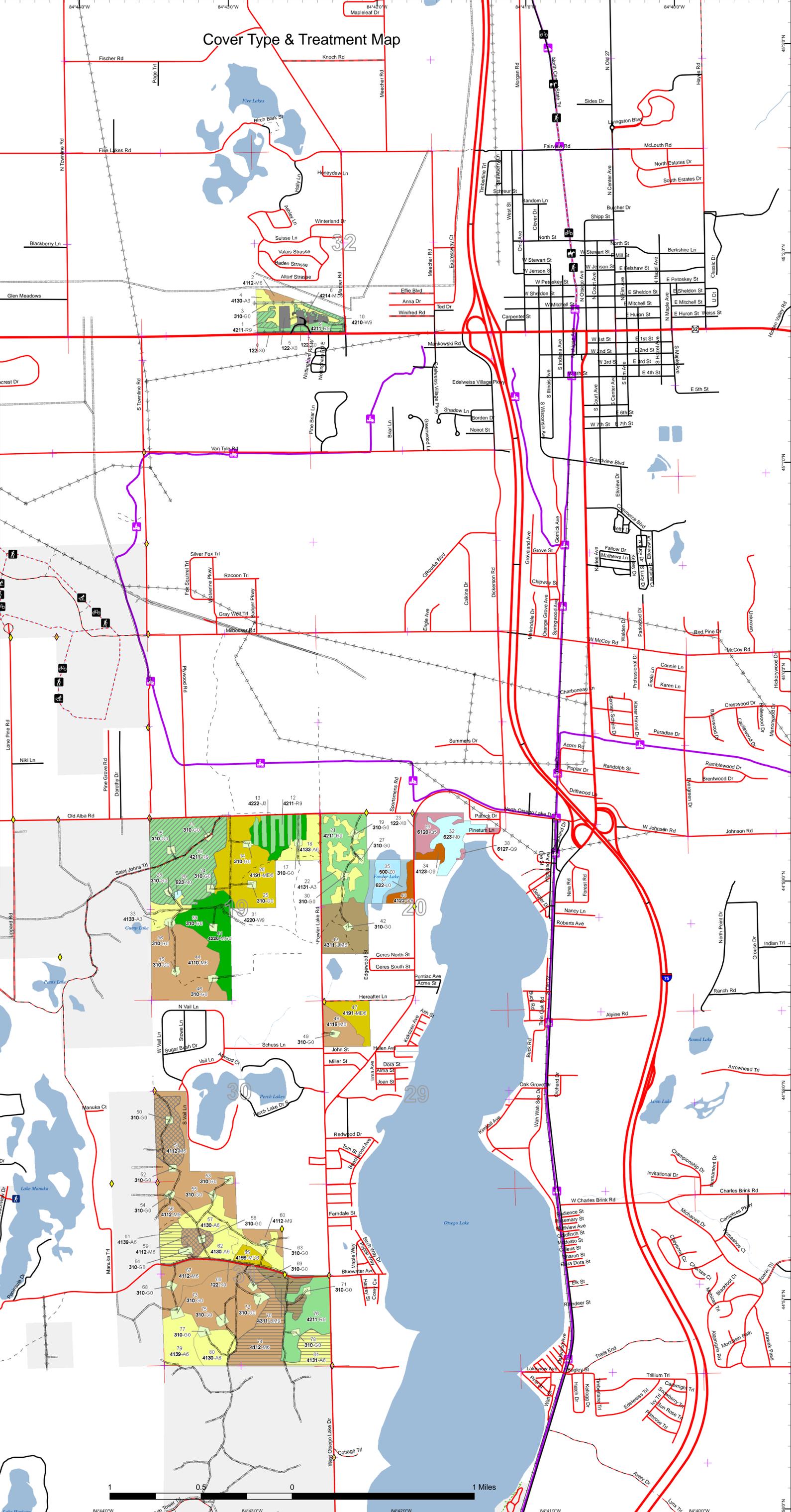
Cover Type & Treatment Map

Compartment: 028
T30N R03W Sec. 19, 20, 29-31
T31N R03W Sec. 32
County: Otsego
Unit: Gaylord
YOE: 2015
Acres: 1,261 GIS Calculated
Examiner: Lucas Merrick
Map Revised: 03/18/2014
Map Phase: Post-Review

Stand #
23
(412)0 - A7
Level 3
Level 4
OI
Code
Cover Type Code



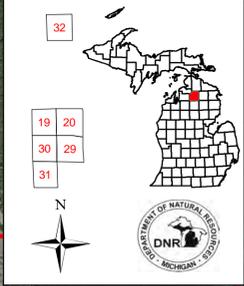
- ### Legend
- Remonumented Section Corners
 - Miris Corners
 - PLSS Corner
 - Culverts
 - Recreation
 - Bike Trails
 - Hiking Trails
 - Horse Trails
 - Ski Trails
 - Snowmobile Trails
 - Highway
 - County Paved Roads
 - Paved Roads
 - County Gravel Roads
 - Gravel Roads
 - Poor Dirt Roads
 - County Poor Dirt Roads
 - Trail (Non-Recreation)
 - Closed Roads
 - Railroads
 - Pipeline
 - Powerline
 - Bike Trail
 - Horse Trail
 - Ski Trail
 - Hiking Trail
 - Snowmobile Trail
 - Stream
 - Intermittent Stream
 - Lakes and Rivers
 - State Forest Land
 - Treatments Post Review
 - Clearcut (w/Reserves, Patch/Strip)
 - Thinning (Crown, Low, Systematic)
 - Selection (Group, Single Tree)
 - Forest Stands
 - Level 3
 - 411 - Northern Hardwood
 - 412 - Oak Types
 - 413 - Aspen Types
 - 419 - Mixed Upland Deciduous
 - 421 - Planted Pines
 - 422 - Natural Pines
 - 431 - Upland Mixed Forest
 - 612 - Lowland Coniferous Forest
 - Non-Forest Stands
 - Level 3
 - 122 - Road/Parking Lot
 - 310 - Herbaceous Openland
 - 500 - Water
 - 622 - Lowland Shrub
 - 623 - Emergent Wetland



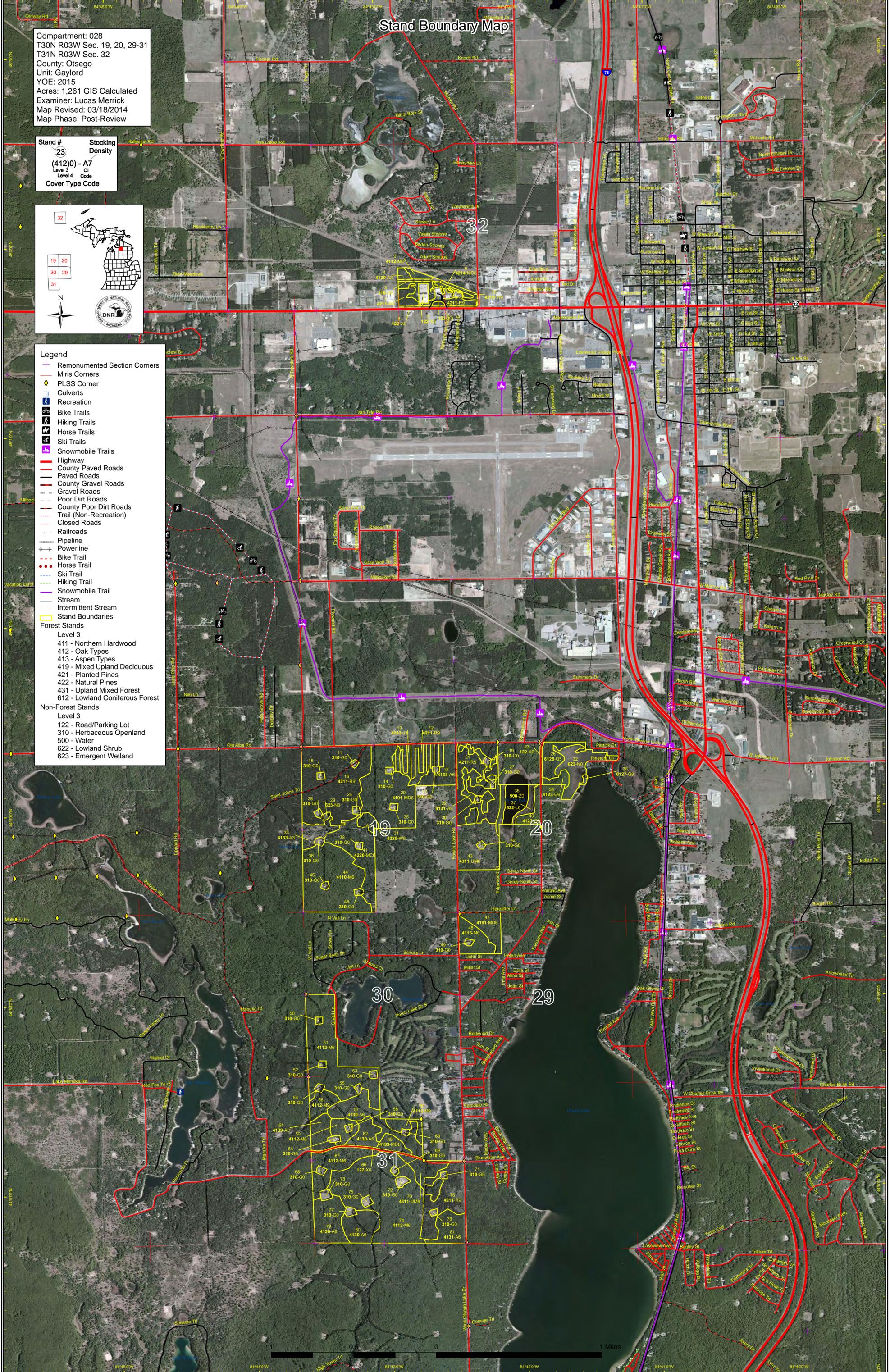
Stand Boundary Map

Compartment: 028
 T30N R03W Sec. 19, 20, 29-31
 T31N R03W Sec. 32
 County: Otsego
 Unit: Gaylord
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Stand # **23**
 Stocking Density
(412)0 - A7
 Level 3
 Level 4
 Code
 Cover Type Code



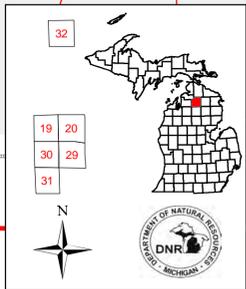
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Cover Type & Treatment Map

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Report 1 – Total Acres by Cover Type and Age Class



	Age Class													Total	
	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +		Uneven Age
Aspen	14	0	98	53	15	0	22	16	0	0	0	0	0	0	217
Herbaceous Openland	46	0	0	0	0	0	0	0	0	0	0	0	0	0	46
Jack Pine	0	17	0	0	0	0	0	0	0	0	0	0	0	0	17
Lowland Conifers	0	0	0	0	0	0	0	2	0	17	0	0	0	0	20
Lowland Shrub	12	0	0	0	0	0	0	0	0	0	0	0	0	0	12
Marsh	29	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Mixed Upland Deciduous	0	0	0	77	0	0	0	0	28	0	0	0	0	0	105
Northern Hardwood	0	0	0	0	0	4	13	173	30	87	0	0	0	94	400
Oak	0	0	0	0	0	0	0	0	16	0	0	0	0	0	16
Planted Mixed Pines	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2
Red Pine	0	0	0	0	0	77	161	0	0	0	0	0	0	0	238
Upland Mixed Forest	0	0	0	0	0	44	21	0	0	0	0	0	0	0	65
Urban	23	0	0	0	0	0	0	0	0	0	0	0	0	0	23
Water	17	0	0	0	0	0	0	0	0	0	0	0	0	0	17
White Pine	0	0	0	0	0	4	45	6	0	0	0	0	0	0	55
Total	141	17	98	130	15	130	261	198	74	104	0	0	0	94	1261



Report 2 – Proposed Treatment Summaries

Gaylord Mgt. Unit
Year of Entry 2015

Compartment 028
Total Compartment Acres: 1,261

Acres by Treatment Type

Commercial Harvest - 277 Tree Planting - 0 Other - 0
 Habitat Cut - 0 Opening Maintenance - 0

Cover Type by Harvest Method

	<i>Clearcut</i>	<i>Selection</i>	<i>Seed Tree</i>	<i>Shelterwood</i>	<i>Thinning</i>	<i>Other - Specify</i>	<i>Total Acres</i>
Aspen Types	38	0	0	0	0	0	38
Northern Hardwood	55	43	0	0	0	0	98
Planted Pines	1	0	0	0	118	0	120
Upland Mixed Forest	21	0	0	0	0	0	21
Total	116	43	0	0	118	0	277



Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	52028001-Cut	5.4	42110 - Planted Red Pine	High Density Log	52	141-170	Harvest	Crown Thinning	4211 - Planted Red Pine	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Thin stand to an average of 120BA.										
<u>Specs:</u>										
<u>Other Comments:</u> Portions of stand (along M-32 and in the north will not need to be treated. Set up with adjacent red pine stands.										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2014										
6	52028006-Cut	1.7	42140 - Planted Mixed Pine	High Density Pole	52	111-140	Harvest	Low Thinning	4211 - Planted Red Pine	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Remove scotch pine from stand. Portions of prescription may result in small pockets of final harvest. Thin red pine as needed to meet objective. Crown release in areas heavier to red pine										
<u>Specs:</u>										
<u>Other Comments:</u> Keep stumps as low as possible. The portion between the fish shop and field office will be removed and stumps cleared to help facilitate snow removal in the future.										
<u>Next Steps:</u> Contact Dave Graham to initiate stump removal.										
<u>Proposed Start Date:</u> 10/01/2014										
9	52028009_exp -2_small-Cut	1.5	42110 - Planted Red Pine	High Density Log	52	111-140	Harvest	Clearcut	4119 - Mixed Northern Hardwoods	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Final Harvest all trees except for white pine.										
<u>Specs:</u>										
<u>Other Comments:</u>										
<u>Next Steps:</u> Monitor regen. Objective is a mixed stand consisting primarily of northern hardwoods and minor amount of mixed conifer.										
<u>Proposed Start Date:</u> 10/01/2014										
10	52028010-Cut	4.0	42100 - Planted White Pine	High Density Log	52	171-200	Harvest	Low Thinning	4210 - Planted White Pine	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Release the crowns of dominant white pine stems. Keep BA above 100										
<u>Specs:</u>										
<u>Other Comments:</u> Set up with other stands found around the OSC complex.										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2014										
16	52028016-Cut	107.0	42110 - Planted Red Pine	High Density Log	62	141-170	Harvest	Crown Thinning	42110 - Planted Red Pine	Fld. Tr. Bdy. - Incomplete
<u>Prescription</u> Thin stand to 100 to 140 BA. Target poor form, damaged and suppressed.										
<u>Specs:</u>										
<u>Other Comments:</u> There will be pockets of walk through, BA ranges from 80 to 220. Do not remove oak.										
<u>Next Steps:</u>										
<u>Proposed Start Date:</u> 10/01/2014										



S t a n d	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	52028051_sm all-Cut	31.8	4112 - Maple, Beech, Cherry Association	High Density Pole	70	81-110	Harvest	Group Selection	4112 - Maple, Beech, Cherry Association	Fld. Tr. Bdy. - Incomplete

Prescription Try to encourage oak and birch regen where possible. Clear around healthy oak trees removing all trees 2" DBH as far as 1 - 2 chains. Create open pockets for birch regen by cutting birch and all other trees 2" dbh in areas heavy to birch. In areas of traditional hardwood use the single tree selection crop tree release with residual BA of 70-80.

Other
Comments:

Next
Steps: Scarify with anchor chains if harvest does not adequately expose bare mineral soil. Monitor regen. Acceptable regen is northern hardwood species not dominated by beech or ash. If regen fails to meet minimum stocking address with other divisions. If possible can we acquire exclosures to place around some oak stumps or scarified areas? Or even plant some acorns under exclosures as well as throughout the sale area.

Proposed
Start Date: 10/01/2014

59	52028059-Cut	11.2	4112 - Maple, Beech, Cherry Association	High Density Pole	79	81-110	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Fld. Tr. Bdy. - Incomplete
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Prescription Set stand up for small fuel wood sales. 1-3 acre units. Reduce BA to 70 - 80. Crop tree release. Target beech for removal.

Other
Comments: Set up so all units can be accessed from existing trails/pipelines. Acceptable regen is moderate or better stocking of current canopy species as well as mixed conifer and oak which have seed sources in surrounding stands.

Next
Steps: monitor regen. Regeneration should consist of hardwood species and not dominated by beech, aspen is also acceptable. If regen does not meet minimum standards address issue with other divisions.

Proposed
Start Date: 10/01/2014

61	52028061-Cut	16.4	4139 - Aspen, Mixed Deciduous	High Density Pole	79	81-110	Harvest	Clearcut with Reserves	4130 - Aspen	Fld. Tr. Bdy. - Incomplete
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Prescription Final harvest all trees 2" and up. Leave 3% (minimum) retention along road for aesthetics.

Other
Comments: There is a nice aspen clone north of the CPF found in the hardwood stand. Include this pocket in the final harvest area. May look slightly different than how finger is currently drawn.

Next
Steps: Monitor regen. Acceptable regeneration would be aspen with a mixed hardwood component (red maple, sugar maple, oak, birch and beech).

Proposed
Start Date: 10/01/2014

70	52028070-Cut	20.6	4311 - Pine, Aspen Mix	High Density Log	60	111-140	Harvest	Clearcut with Reserves	4130 - Aspen	Fld. Tr. Bdy. - Incomplete
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Prescription Cut all trees 2" and up. Leave retention along the road to help address aesthetic concerns.

Other
Comments: Watch out for pvt corner south of Manuka Lk Rd. Set up with adjacent hardwood stand with the intent to expand the aspen component into the beech salvage area.

Next
Steps: Monitor regen. Acceptable regen is a stand dominated by aspen with mixed hardwood and pine. If regen does not meet minimum standards address issue with other divisions.

Proposed
Start Date: 10/01/2014

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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
74 52028074-Cut	55.2	4112 - Maple, Beech, Cherry Association	High Density Pole	72	81-110	Harvest	Clearcut with Reserves	4116 - Mixed N. Hardwood - Aspen	Fld. Tr. Bdy. - Incomplete

Prescription Final Harvest with reserves. Leave retention islands in areas of better quality that have sugar maple, yellow birch, and beech showing resilience. Also mark to leave oak, conifer, and resistant beech throughout stand. Try to leave residual trees in clumps of 2-6 trees.

Other Comments: Avoid retention around areas heavy to aspen. Southern portion of stand has less evidence of BBD. Harvest with adjacent aspen stands to maximize regeneration potential.

Next Steps: Monitor regeneration. A mixed northern hardwood stand with aspen and mixed pine at minimum acceptable stocking is the goal. If natural regeneration fails address issue with other divisions and stake holders.

Proposed Start Date: 10/01/2014

81 52028081-Cut	22.1	4131 - Aspen, Oak	High Density Pole	61	111-140	Harvest	Clearcut with Reserves	4131 - Aspen, Oak	Fld. Tr. Bdy. - Incomplete
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Prescription Final harvest -cut all trees 2" and up- leave 3-5% in retention along West Otsego Lake Dr. Leave some oak clumps/patches throughout the sale area (averaging 5 -20 BA for entire stand). Remove all conifer except for trees found within the retention areas.

Other Comments:

Next Steps: Monitor regen. Acceptable regen is moderate or better stocking of an aspen dominated stand mixed with red maple, beech, oak and mixed conifer.

Proposed Start Date: 10/01/2014

**Total Treatment
Acreage Proposed: 276.9**



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Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
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#Type! #Type!

Prescription
Specs:

Other
Comment:

Next
Steps:

Proposed
Start Date: #Type!

Limiting Factor

**Total Treatment
Acreage Proposed: 0.0**

Report 5 – Site Conditions

Gaylord Mgt. Unit
Lucas Merrick : Examiner

Compartment 028
Year of Entry 2015

Availability for Management

Total Acres	Acres		Dominant Site Conditions	No	5C	5B	3J	2G
	Available	Not Available						
217	217		Aspen	202	15			
17	17		Jack Pine	17				
20		20	Lowland Conifers				2	17
105	105		Mixed Upland Deciduous	105				
45	45		Natural Mixed Pines	45				
400	400		Northern Hardwood	380		20		
16		16	Oak				10	6
2	2		Planted Mixed Pines	2				
238	238		Red Pine	238				
65	65		Upland Mixed Forest	65				
10	10		White Pine	10				
1,134	1,098	35	Total Forested Acres	1,063	15	20	12	23
	97%	3%	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
006	Available	5B: Maintain for regeneration purposes	20				
Comments: Excellent Hemlock regen throughout majority of stand. Try to nurse this understory with intention of covertime conversion.							
007	Not Available	3J: Water quality / BMPs (stream, river, or lake)	10				
Comments: Excellent quality oak. Less than 200ft between road and lowland brush edge surrounding lake.							
008	Not Available	2G: Too wet (sensitive soils, does not include access issues)	17	1C: Other dept or div proc/practices			
Comments: Stand surround fisheries pike marsh.							

Report 5 – Site Conditions

Gaylord Mgt. Unit
Lucas Merrick : Examiner

Compartment 028
Year of Entry 2015

009	Not Available	2G: Too wet (sensitive soils, does not include access issues)	6	5A: Not able to obtain desirable regeneration	3D: Recreational / Scenic values
<p>Comments: Location along lake and heavy browse potential make this stand undesirable to treat.</p>					
010	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	15		
<p>Comments: Good quality aspen. Hold for another rotation for local age class diversity. Multiple aspen stand already being treated.</p>					
011	Not Available	3J: Water quality / BMPs (stream, river, or lake)	3	1C: Other dept or div proc/practices	3D: Recreational / Scenic values
<p>Comments: Adjacent to Otsego Lake and the fisheries pike marsh, small</p>					



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				



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.

ERA = Ecological Reference Area
 HCVA = High Conservation Value Area
 SCA = Special Conservation Area

Conservation Area	Type	Description
SCA	Archaeological Site	An aquatic or terrestrial area of the State that contains physical remains of human occupation. These are sites of cultural and historical significance that may occur upon terrestrial areas and Great Lakes bottomlands. They include thousands of Native American settlements and burial sites, as well as French and British outposts, nineteenth century logging camps, mines and homesteads. Beneath the waters of the Great Lakes, there are shipwrecks and other remains documenting the maritime trade. Such sites may be identified by Natural heritage data from the State Historic Preservation Office. Proposed treatments in this compartment will be implemented in such a manner as to maintain the integrity of these sites. Due to the sensitive nature of this information, no further detail about location is available.



Stand	Gaylord Mgt. Unit		Report 8 – Forested Stands			Compartment: 028 Year of Entry: 2015
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	42110 - Planted Red Pine	High Density Log	7.1	52	141-170	Pine plantation.
2	4112 - Maple, Beech, Cherry Association	High Density Pole	3.6	52	51-80	A clumpy stand of maple.
4	4130 - Aspen	High Density Sapling	13.1	23	1-50	A regenerating aspen stand.
6	42140 - Planted Mixed Pine	High Density Pole	1.7	52	111-140	Planted scotch and red pine separated by facilities from parent plantation.
9	42110 - Planted Red Pine	High Density Log	7.3	52	111-140	A recently thinned pine stand with a dense understory of mixed hardwoods and brush.
10	42100 - Planted White Pine	High Density Log	4.0	52	171-200	Planted white pine.
12	42110 - Planted Red Pine	High Density Log	17.8	58	111-140	A red pine plantation.
13	42221 - Natural Jack Pine, Mixed Deciduous	High Density Sapling	17.3	17		A regenerating stand.
16	42110 - Planted Red Pine	High Density Log	107.0	62	141-170	A red pine plantation with a hardwood understory.
18	4133 - Aspen, Mixed Pine	High Density Pole	21.3	37	111-140	A young aspen stand mixed with white pine.
20	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	76.9	38	111-140	A nice looking aspen/red maple stand.
21	42110 - Planted Red Pine	High Density Log	53.7	62	141-170	A red pine plantation with dense hardwood understory.
22	4131 - Aspen, Oak	High Density Sapling	22.4	27	81-110	A regenerating aspen and hardwood stand.
26	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	17.3	95	51-80	Forested wetland adjacent to pike marsh.
31	42200 - Natural White Pine	High Density Log	6.2	71	81-110	A white pine stand.
33	4133 - Aspen, Mixed Pine	High Density Sapling	13.6	8		A regenerating aspen stand.
34	4123 - Red Oak	High Density Log	5.8	88	111-140	Oak ridge with fringe wetland.
38	6127 - Lowland Pine	High Density Log	2.5	76	81-110	white pine stand.



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
40	4123 - Red Oak	High Density Log	10.0	88	111-140	A nice looking oak stand along the lake.
41	42201 - Natural White Pine, Mixed Deciduous	High Density Pole	44.6	66	51-80	A regenerating aspen stand overtopped by white pine.
43	4311 - Pine, Aspen Mix	High Density Pole	44.1	51	1-50	A regenerating aspen stand with a white pine overstory.
44	4110 - Sugar Maple Association	High Density Pole	86.9	96	81-110	A recently thinned hardwood stand.
47	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	19.6	84	81-110	An oak/pine stand.
48	4116 - Mixed N. Hardwood - Aspen	High Density Pole	20.1	84	111-140	Excellent hemlock regen.
51	4112 - Maple, Beech, Cherry Association	High Density Pole	93.7	Uneven Age	81-110	A northern hardwood stand.
56	4112 - Maple, Beech, Cherry Association	High Density Log	13.1	61	81-110	A poor quality hardwood stand.
57	4130 - Aspen	High Density Pole	38.7	29	81-110	A regenerating aspen stand.
59	4112 - Maple, Beech, Cherry Association	High Density Pole	11.6	79	81-110	A northern hardwood stand
60	4112 - Maple, Beech, Cherry Association	High Density Log	9.5	82	81-110	A mixed hardwood stand.
61	4139 - Aspen, Mixed Deciduous	High Density Pole	16.0	79	81-110	An aspen and mixed hwd stand.
62	4130 - Aspen	High Density Pole	14.9	49	111-140	A nice looking aspen stand.
65	4199 - Other Mixed Upland Deciduous	High Density Pole	8.7	82	81-110	A mixed stand with nice looking oak.
67	4112 - Maple, Beech, Cherry Association	High Density Pole	33.4	72	51-80	A recently thinned hardwood stand.
70	4311 - Pine, Aspen Mix	High Density Log	20.6	60	111-140	A white pine/aspen stand.
74	4112 - Maple, Beech, Cherry Association	High Density Pole	128.3	72	81-110	Northern hardwood stand dominated by beech and red maple.
76	42110 - Planted Red Pine	High Density Log	44.8	52	141-170	A recently thinned red pine stand.

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Gaylord Mgt. Unit

Report 8 – Forested Stands

Compartment: 028
Year of Entry: 2015



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
79	4139 - Aspen, Mixed Deciduous	High Density Pole	31.5	36	51-80	A young aspen/mixed hardwood stand.
80	4130 - Aspen	High Density Pole	23.5	29	81-110	A regenerating aspen stand.
81	4131 - Aspen, Oak	High Density Pole	22.1	61	111-140	A mature aspen stand.



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	310 - Herbaceous Openland	2.3	Unspecified	Unspecified	POWER LINE
5	122 - Road/Parking Lot	4.6	Unspecified	Unspecified	GAYLORD REPAIR SHOP
7	122 - Road/Parking Lot	6.0	Unspecified	Unspecified	OPERATIONS SERVICE CENTER, FIELD OFFICES, ASSOCIATED PARKING LOTS AND STORAGE BUILDINGS
8	122 - Road/Parking Lot	3.8	Unspecified	Unspecified	COUNTY ROADS/ROWS
11	3104 - Degraded	1.0	Unspecified	Unspecified	well site
14	3104 - Degraded	1.2	Unspecified	Unspecified	well site
15	3104 - Degraded	1.2	Unspecified	Unspecified	well site
17	3104 - Degraded	1.1	Unspecified	Unspecified	well site
19	3104 - Degraded	1.3	Unspecified	Unspecified	well site
23	122 - Road/Parking Lot	2.3	Unspecified	Unspecified	West Otsego Lk Drive
24	3104 - Degraded	1.3	Unspecified	Unspecified	well site
25	3104 - Degraded	1.2	Unspecified	Unspecified	well site
27	3104 - Degraded	1.2	Unspecified	Unspecified	2 wells on site
28	3104 - Degraded	1.2	Unspecified	Unspecified	well site
29	623 - Emergent Wetland	1.0	Unspecified	Unspecified	Small wet are covered with blueberry.
30	3104 - Degraded	1.0	Unspecified	Unspecified	well site
32	623 - Emergent Wetland	28.1	Yes	High	Fisheries pike marsh.
35	50 - Water	17.2	Unspecified	Unspecified	Fowler Lake



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
36	3104 - Degraded	1.5	Unspecified	Unspecified	well site
37	6220 - Alder/willow	12.2	Unspecified	Unspecified	Lowland shrubs adjacent to the lake.
39	3104 - Degraded	1.1	Unspecified	Unspecified	well site
42	3104 - Degraded	1.1	Unspecified	Unspecified	well site
45	3104 - Degraded	1.2	Unspecified	Unspecified	well site
46	3104 - Degraded	1.3	Unspecified	Unspecified	well site
49	3104 - Degraded	1.2	Unspecified	Unspecified	well site
50	3104 - Degraded	1.1	Unspecified	Unspecified	well site
52	3104 - Degraded	1.1	Unspecified	Unspecified	well site
53	3104 - Degraded	1.4	Unspecified	Unspecified	well site
54	3104 - Degraded	1.4	Unspecified	Unspecified	well site.
55	3104 - Degraded	1.1	Unspecified	Unspecified	well site
58	3104 - Degraded	1.1	Unspecified	Unspecified	well site
63	3104 - Degraded	1.1	Unspecified	Unspecified	well site
64	3104 - Degraded	1.7	Unspecified	Unspecified	Oil and gas building.
66	122 - Road/Parking Lot	6.3	Unspecified	Unspecified	Manuka Lk Rd.
68	3104 - Degraded	1.6	Unspecified	Unspecified	well site
69	3104 - Degraded	1.3	Unspecified	Unspecified	well site, H2S



Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
71	3104 - Degraded	1.1	Unspecified	Unspecified	well site. H2S
72	3104 - Degraded	2.6	Unspecified	Unspecified	Well site, H2S
73	3104 - Degraded	2.5	Unspecified	Unspecified	well site, abandoned?
75	3104 - Degraded	2.2	Unspecified	Unspecified	abandoned well site
77	3104 - Degraded	2.0	Unspecified	Unspecified	well site
78	3104 - Degraded	1.0	Unspecified	Unspecified	well site