COMPARTMENT REVIEW PRESENTATION

GAYLORD FOREST MANAGEMENT UNIT

COMPARTMENT: 136

ENTRY YEAR: 2012
ACREAGE: 2,127
COUNTY: Cheboygan

Revision Date: 04/01/2010

Stand Examiner: John Scheele

Legal Description: T39N R03W Sec. 19, 20, and 28-33

Management 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: This compartment is mostly level with fairly wet forested and non-forested vegetation types. There is a steep ridge that runs along the northern portion of the compartment. There are 3 general soil type associations. The Roscommon-Charity-Au Gres Association soils are located along the northern edge of the compartment and are deep, nearly level, very poorly drained to somewhat poorly drained, mucky, loamy, and sandy soils that formed in sandy and lacustrine deposits; on lake plains. The Fairport-Onaway Association soils are located in the center of the compartment and are moderately deep and deep, nearly level to hilly, well drained, loamy soils that formed in loamy glacial till or in loamy glacial till over limestone bedrock; on glacial lake benches, till plains, and moraines. The Detour-Brevort Association soils are located along the southern portion of the compartment and are nearly level, somewhat poorly drained and very poorly drained, loamy and sandy soils that are either moderately deep to dense till or are deep and that formed in loamy glacial till or in sandy material over loamy glacial till; on lake plains and till plains.

Ownership Patterns, Development, and Land Use in and Around the Compartment: State ownership is contiguous in the eastern half of the compartment and with the adjacent compartments to the east and south. Mill Creek State Park borders the east side of the compartment. The west half of the compartment has a significant amount of private ownership adjacent to state ownership. Lot 28 in Mary Ann Estates appears to be state owned and is recommended for disposal.

Unique, Natural Features:

Archeological, Historical, and Cultural Features: None known. An Archaeological and Cultural Sites Reporting form has been filled out for a possible historical site locally known as the 'Finnigan Farm'. Site consists of three separate openings, one possible homestead location with a stone foundation and other earth depressions nearby, and two separate linear rock piles.

Special Management Designations or Considerations: Several forested and non-forested stands located east of Mill Creek and north of Potter Road were listed as Stand Condition 8 in the previous inventory as old growth because of limited access due to wet soils. Recommend removing stands as Special Conservation Areas.

Watershed and Fisheries Considerations: This compartment contains Mill Creek, a designated trout stream. A 100-foot buffer (no clear-cut) should be maintained adjacent to the river. Selections cuts may be made to within 25 feet of the river.

Wildlife Habitat Considerations: This compartment consists mainly of lowland areas with a few areas of upland habitat. These lowland areas are utilized by black bear, bobcat, beaver, otter, white-tailed deer, and various amphibians. The upland stands consist mainly of oak and aspen. Stands 1, 10, 11, 16, 23, 44, 47, and 67 are going to be clear cut to provide early succesional habitat utilized by white-tailed deer, wild turkey, grouse, and American woodcock. The oak stands in the northeast corner of this compartment are going to be treated to regenerate for future mast production, and scattered mature oaks will be left for current mast production. This area receives moderate to high hunting pressure due to its proximity to Mackinaw City and Cheboygan.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand and gravel and dune sand. The glacial drift thickness varies between 10 and 200 feet. The Devonian Detroit River and Bois Blanc formations subcrop below the glacial drift. The Bois Blanc is quarried for stone just to the west of the Compartment. Several pits are located in the near proximity for sand. The nearest oil and gas production, the Antrim Shale gas play, is located 35 miles to the southeast. There is no known oil and gas potential in the area.

Vehicle Access: There are 2 main roads for access in the compartment, US-23 from the north and Stimpson Road from the west. There are also a few public and private poor dirt roads that can be used for access as well. Interstate Highway 75 runs along the western half of the compartment.

Survey Needs: A number of proposed treatments have adjacent private property boundaries. Survey assistance may be needed to located property corners in order to establish boundary lines for treatments.

Recreational Facilities and Opportunities: The North Central State Trail is adjacent to US-23 and runs along the north boundary of the compartment.

Fire Protection:

Additional Compartment Information:

- **The following 3 reports from the IFMAP Inventory System are attached:**
  - **Cover Type by Age Class**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand numbers, cover types**
  - **Proposed treatments**
  - **Proposed road access system**
  - **Suggested potential and current SCA's**

Cover Type & Treatment Map

Compartment 136
T39N, R03W, Sec. 19, 20, 28 - 33
County: Cheboygan
Unit: Gaylord
YOE: 2012
Acres: 2,127 GIS Calculated
Stand Examiner: John Scheele
Map Revised: 05/27/2010
Map Phase: Pre-Review

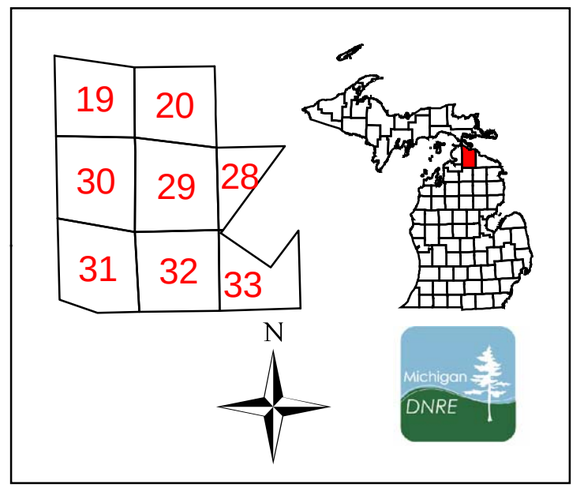
Legend

- Miris Corners
- Culverts
- Pipe
- Power
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Snowmobile Trails
- Bike Trails
- Hiking Trails
- Horse Trails
- Interstate Highway
- US Highway
- State Highway
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Selection (Group, Single Tree)

Forest Stands
Level 3
- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands
Level 3
- 122 - Road/Parking Lot
- 310 - Herbaceous Openland
- 320 - Upland Shrub
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- 710 - Sand, Soil



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

1 0.5 0 1 Miles

84°44'0"W 84°43'0"W 84°42'0"W 84°41'0"W 84°40'0"W
45°47'0"N 45°46'0"N 45°45'0"N 45°44'0"N 45°43'0"N

Stand Boundary Map

Compartment 136
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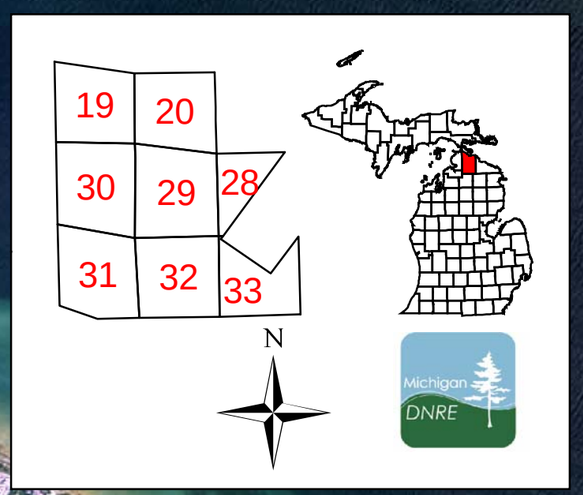

Stand # 23 — Stocking Density (412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

Legend

- Miris Corners
- Culverts
- Pipe
- Power
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers
- Stand Boundaries

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1 0.5 0 1 Miles

Dedicated & Proposed Special Conservation Area Map

Legend

- Miris Corners
- Sections
- Stand Boundaries

Forest Stands

Level 3

- 411 - Northern Hardwood
- 412 - Oak Types
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest

Non-Forest Stands

Level 3

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- 310 - Herbaceous Openland
- 320 - Upland Shrub
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- 710 - Sand, Soil

Proposed Special Conservation Areas

- SCA - Special Conservation Area
- SCA Removal

Dedicated Special Conservation Areas

- Cold Water Streams
- Wildlife Management Areas

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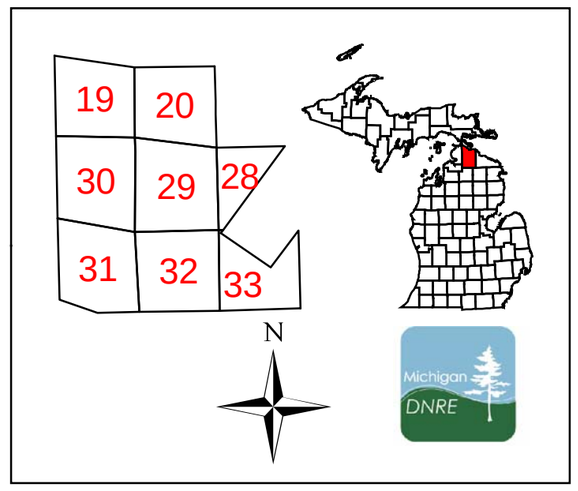

Stand # 23 — Stocking Density
(412)0) - A7
Level 3 — OI
Level 4 — Code
Cover Type Code

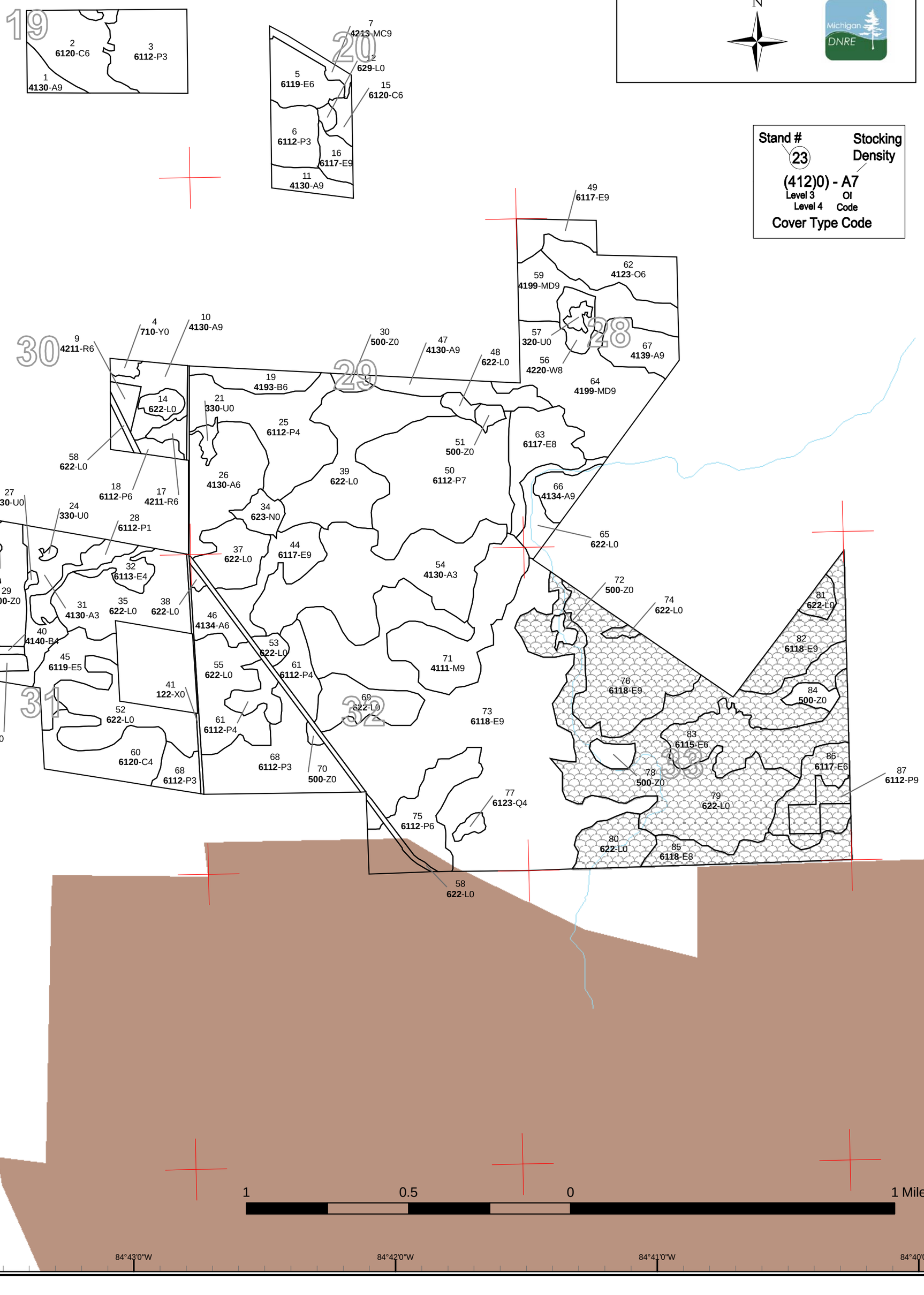

Table 1 – Total Acres by Cover Type and Age Class

Gaylord Mgt. Unit *(Level 3 Cover Type)* **Compartment 136 Year of Entry 2012**

Age Class

	Non-Forested	1-9	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	Total
Aspen Types	0	0	29	0	145	0	9	0	15	77	19	0	0	0	0	**294**
Emergent Wetland	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**9**
Herbaceous Openland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Low-Density Trees	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Lowland Coniferous Forest	0	0	0	0	3	0	0	0	0	0	32	35	5	0	0	**75**
Lowland Deciduous Forest	0	0	29	0	192	21	103	57	0	37	524	9	0	0	0	**971**
Lowland Shrub	462	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**462**
Mixed non-forested wetland	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Mixed Upland Deciduous	0	0	0	0	0	14	0	0	66	34	0	0	0	0	0	**114**
Natural Pines	0	0	0	0	0	0	0	0	0	22	0	0	0	0	0	**22**
Northern Hardwood	0	0	0	0	0	0	0	0	0	51	0	0	0	0	0	**51**
Oak Types	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	**30**
Other Upland Deciduous	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	**2**
Planted Pines	0	0	0	0	0	16	0	0	6	0	0	0	0	0	0	**22**
Road/Parking Lot	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**5**
Sand, Soil	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Upland Shrub	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**3**
Water	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**55**
Total	**546**	**0**	**58**	**0**	**340**	**53**	**112**	**57**	**87**	**221**	**606**	**43**	**5**	**0**	**0**	**2127**

Table 2 – Proposed Treatment Summaries

Gaylord Mgt. Unit
Year of Entry 2012

Compartment 136
Total Compartment Acres: 2127

Acres by Treatment Type

Commercial Harvest - 346	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	108	0	0	0	0	0	**108**
Lowland Aspen/Balsam Poplar	10	0	0	0	0	0	**10**
Lowland Deciduous	46	0	0	0	0	0	**46**
Mixed Upland Deciduous	0	102	0	0	0	0	**102**
Northern Hardwood	24	27	0	0	0	0	**51**
Oak	0	30	0	0	0	0	**30**
Total	**187**	**159**	**0**	**0**	**0**	**0**	**346**

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	52136001-CC	8.0	4130 - Aspen	High Density Log	82	Harvest	Clearcut	Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. No retention recommended due to small stand size.

Other Comments: Contacted Larry Eichinger, who is the property owner to the south of the stand, by phone during inventory about possible access. He is a relation to Dr. Kurt Grebe. He said he may consider granting access through his property for harvesting the stand. A survey pin is located in the vicinity of his southwest corner. He is not sure if the survey pin is for his property corner or for the corner of properties to the south. Will probably need to establish a survey corner in the southwest corner of Stand 1 to establish property lines.

Next Steps: Monitor success of regeneration in next treatment period. Acceptable regeneration includes a mix of aspen and deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	52136010-CCWR	15.1	4130 - Aspen	High Density Log	70	Harvest	Clearcut with Reserves	Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. Do not cut oak, pine, or spruce species. No other retention recommend due to stand size.

Other Comments:

Next Steps: Monitor success of regeneration in next treatment period. Acceptable regeneration includes a mix of aspen, confer, and upland deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	52136011-CC	10.4	4130 - Aspen	High Density Log	88	Harvest	Clearcut	Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. Do not cut white pine. No other retention is recommended because of stand size.

Other Comments: Beech bark disease is present in stand. Possible access to the stand would be from the south or east through Kurt Grebe property. Personal contacted was made with Dr. Grebe during inventory. Dr. Grebe would consider access to stand through his property. Also mentioned a possible survey corner in the southeast corner of the stand.

Next Steps: Monitor the success of regeneration in the next treatment period. Acceptable regeneration includes aspen and upland deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	52136016-CCWR	8.9	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	100	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. Do not cut white cedar or white pine. No other retention recommended due to small size of stand.

Other Comments: Only access to the stand would be from the east through Dr. Kurt Grebe's property. Personal contacted was made with Dr. Grebe during inventory. He would consider granting access to stand through his property.

Next Steps: Monitor the success of regeneration in the next treatment period. Acceptable regeneration includes a mix of aspen, conifers, and deciduous lowland species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
23	52136023-CC	26.6	4133 - Aspen, Mixed Pine	High Density Log	84	Harvest	Clearcut	Aspen, Mixed Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut stand except pine, hemlock, and cedar. Include Stand 36 with sale if possible. Leave a narrow visual buffer strip of coniferous trees along I-75 when applicable. No other retention is recommended to make sale more economically feasible.

Other Comments: Cooperation with Bill Wahl and Justin Wing from MDOT will be needed to set up and administer sale. US-31 off ramp is scheduled to be resurfaced in 2012. Ideal time to cut sale would be in spring after frost laws go into affect. An added estimated cost of approximately $3640.00 may be needed for highway singage required by MDOT. This cost may be shared with MDOT if sale is scheduled during resurfacing of off ramp.

Next Steps: Monitor the success of regeneration in the next treatment period. Acceptable regeneration includes aspen and deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
36	52136036-CC	9.3	4130 - Aspen	High Density Pole	52	Harvest	Clearcut	Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut stand except pine species. Include with Stand 23 for timber sale. No other retention is recommended to make sale more economically feasible.

Other Comments: See comments for Stand 23.

Next Steps: Monitor success of regeneration in the next treatment period. Acceptable regeneration includes a mix of aspen and deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
44	52136044-CC	24.0	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80	Harvest	Clearcut	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate. Cut all speices except spruce. No additional retention recommended due to small stand size and aspen objective.

Other Comments: Stand has older-aged aspen with conks indicating trunk rot. Due to soil type, a winter or dry summer harvest may be recommended. Because of stand condition and age, regeneration may not be fully stocked.

Next Steps: Monitor the success of regeneration in the next treatment period. Acceptable regeneration includes a mix of aspen, conifers, and lowland deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
47	52136047-CC	18.9	4130 - Aspen	High Density Log	90	Harvest	Clearcut	Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. No retention recommended because of stand size and narrow orientation of stand.

Other Comments: Stand consist mostly of good quality aspen and sugar maple. Most of the aspen is along the south edge of the stand with the sugar maple component along the adjacent private property line. Access to the stand would be through the Kurt Grebe property.

Next Steps: Monitor the success of regeneration in the next treatment period. Acceptable regeneration includes aspen and upland deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
49	52136049-CCWR	13.2	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	80	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. Do not cut oak, pine, or cedar species. Keep a visual buffer area in northeast corner of stand along the North Central State Trail. No other retention is recommended because of small stand size.

Other Comments: Access to stand would be through private property on north side of stand or off snowmobile trail. Personal contact was made with Chris Rogala during inventory. Chris stated that he would consider possibly access through his property. A survey corner is located in the northwest corner of the stand.

Next Steps: Monitor success of regeneration during the next treatment period. Acceptable regeneration includes a mix of aspen, conifer, and deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
59	52136059-GS	34.3	4199 - Other Mixed Upland Deciduous	High Density Log	85	Harvest	Group Selection	Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Specs: Mark stand to a basal area of 70 to 90 square feet. Cut all aspen and red maple species. Individual tree marking should be concentrated on beech trees, especially those trees with beech scale. Leave the better quality oak and beech trees that appear free of beech scale.

Other Comments: Heavy beech scale present in stand as well as surrounding private and state land.

Next Steps: Monitor the success of the release and regeneration in the next treatment period.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
62	52136062-GS	30.0	4123 - Red Oak	High Density Pole	90	Harvest	Group Selection	Red Oak	Cmpt. Review Proposal

Prescription Specs: Mark stand to a basal area of 40 to 80 square feet. Mark regeneration gaps of 1/4 acre size as well as individual low quality oak trees. Also remove all aspen, birch, and red maple. Do not cut white or red pine. Keep a visual buffer area in northeast corner of stand along the North Central State Trail.

Other Comments: Access to the stand will be from the north through the Rogala property or from snowmobile trail. There is a private survey corner on the east side of the two-track road running through the stand.

Next Steps: Monitor success of marking and regeneration in the next treatment period. Acceptable regeneration includes a mix of red oak, pine, aspen, and upland deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
64	52136064-STS	67.5	4199 - Other Mixed Upland Deciduous	High Density Log	75	Harvest	Single Tree Selection	Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Specs: Mark stand to an overall basal area target of 80 square feet by following guildlines in the DNRE Compleat Marker. Remove all aspen and birch. Do not cut red oak. Maintain a 100 foot buffer along Mill Creek.

Other Comments: Stand is marginal quality northern hardwood with a component of red oak and pockets of over-maturing aspen. Heavy beech scale is present. See locked comments in OFS for harvesting restrictions when setting up timber sale. Survey corner located in southwest corner of stand. Best access would be through Grebe property. Alternative access would be through Mill Creek State Park property. Talked with Mike Sutton during inventory and he said that the park would consider granting access if needed.

Next Steps: Monitor success of stand release and regeneration in the next treatment period. Projected future stand will have and overstory of northen hardwood / red oak species and an understory with pockets of aspen regeneration.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
67	52136067-CCWR	19.3	4139 - Aspen, Mixed Deciduous	High Density Log	85	Harvest	Clearcut with Reserves	Aspen, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. Do not cut red oak and pine species. No other retention recommended due to small stand size.

Other Comments: Soils in this stand appear to be a little wetter then surrounding soils. Concerns with rutting during timber harvest may need to be addressed when setting up sale.

Next Steps: Monitor the success of regeneration in the next treatment period. Acceptable regeneration includes a mix of aspen and deciduous species.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
71	52136071-STS	27.4	4111 - S.Maple, Hard Mast Association	High Density Log	85	Harvest	Single Tree Selection	S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: Mark south portion of stand to 80 square feet basal area. Follow marking guidelines listed in the DNRE - The Compleat Marker. Also remove all aspen and balsam fir species. In the northern portion of the stand, clearcut to regenerate aspen species. No retention is recommended. Expand timber sale boundary where applicable to include the large aspen along stand edge.

Other Comments: The southern portion of stand has a greater component of nice quality sugar maple poles and logs while the northern portion of stand has a higher component of beech and aspen. Beech scale is also present within stand.

Next Steps: Monitor success of release in the next treatment period.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
71	52136071-STS_small	23.5	4111 - S.Maple, Hard Mast Association	High Density Log	85	Harvest	Clearcut	S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: In this portion of the stand, clearcut to regenerate aspen species. No retention is recommended. Expand timber sale boundary where applicable to include the large aspen along stand edge.

Other Comments: The southern portion of stand has a greater component of nice quality sugar maple poles and logs while the northern portion of stand has a higher component of beech and aspen. Beech scale is also present within stand.

Next Steps: Monitor success of release in the next treatment period.

Total Treatment Acreage Proposed: 336.3

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
87	52136087-CCWR	10.0	6112 - Lowland Aspen	High Density Log	90	Harvest	Clearcut with Reserves	Lowland Aspen	Cmpt. Review Proposal

Prescription Specs: Clearcut stand to regenerate aspen. Do not cut pine, spruce or cedar. No retention recommended because of stand size.

Other Comment: Access stand from the southeast across private property owned by Steven Powers.

Next Steps: Monitor success of regeneration in next treatment period. Acceptable regeneration includes a mix of aspen, pine, spruce, and deciduous species.

Limiting Factor and No Treatment Reason: 2A: Adjacent landowner denies access

Access across private ownership will be required. Sent letter to landowner but received no reply. Waiting for reply.

Total Treatment Acreage Proposed: 10.0

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4130 - Aspen	High Density Log	8.0	82		
2	6120 - Lowland Cedar	High Density Pole	34.5	105		
3	6112 - Lowland Aspen	High Density Sapling	38.7	33		
5	6119 - Mixed Lowland Deciduous Forest	High Density Pole	20.6	45		
6	6112 - Lowland Aspen	High Density Sapling	17.8	15		
7	42130 - Planted Scotch Pine	High Density Log	5.7	75		
8	6112 - Lowland Aspen	Medium Density Pole	21.5	56		
9	42110 - Planted Red Pine	High Density Pole	8.3	47	111-140	
10	4130 - Aspen	High Density Log	15.1	70		
11	4130 - Aspen	High Density Log	10.3	88		
15	6120 - Lowland Cedar	High Density Pole	5.1	115		
16	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	8.9	100		
17	42110 - Planted Red Pine	High Density Pole	4.6	47	111-140	
18	6112 - Lowland Aspen	High Density Pole	4.3	33		
19	4193 - Birch, Aspen	High Density Pole	14.3	40		
23	4133 - Aspen, Mixed Pine	High Density Log	27.5	84		
25	6112 - Lowland Aspen	Low Density Pole	56.8	60		
26	4130 - Aspen	High Density Pole	41.0	30		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
28	6112 - Lowland Aspen	Low Density Sapling	11.2	18		
31	4130 - Aspen	High Density Sapling	29.4	18		
32	6113 - Lowland Maple	Low Density Pole	9.1	55		
33	42200 - Natural White Pine	High Density Pole	12.8	83		
36	4130 - Aspen	High Density Pole	9.3	52		
40	4140 - Other Upland Deciduous	Low Density Pole	1.5	48		
42	42110 - Planted Red Pine	Medium Density Pole	3.4	49	111-140	Found 2" pipe with cap 2 feet above ground level on the north edge of stand, near south edge of water. May be old well of some kind.
44	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	24.0	80		
45	6119 - Mixed Lowland Deciduous Forest	Medium Density Pole	23.2	50		
46	4134 - Aspen, Spruce/Fir	High Density Pole	11.0	33		
47	4130 - Aspen	High Density Log	18.9	90		
49	6117 - Lowland Deciduous, Mixed Coniferous	High Density Log	13.2	80		
50	6112 - Lowland Aspen	Low Density Log	94.8	90		
54	4130 - Aspen	High Density Sapling	92.6	33		
56	42200 - Natural White Pine	Medium Density Log	8.8	80		
59	4199 - Other Mixed Upland Deciduous	High Density Log	34.3	85	111-140	Heavy beech scale present in stand.
60	6120 - Lowland Cedar	Low Density Pole	32.2	90		
61	6112 - Lowland Aspen	Low Density Pole	24.5	33		

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
62	4123 - Red Oak	High Density Pole	30.0	90	111-140	
63	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Log	29.4	90		
64	4199 - Other Mixed Upland Deciduous	High Density Log	65.7	75	111-140	Heavy beech scale present. Stand also contains possible historical/archeological attributes. Two small openings are within the stand along with linear rock piles.
66	4134 - Aspen, Spruce/Fir	High Density Log	12.0	80		
67	4139 - Aspen, Mixed Deciduous	High Density Log	19.3	85		
68	6112 - Lowland Aspen	High Density Sapling	59.5	35		
71	4111 - S.Maple, Hard Mast Association	High Density Log	50.9	85	111-140	Light beech scale is present within stand.
73	6118 - Lowland Deciduous with Cedar	High Density Log	272.4	90		
75	6112 - Lowland Aspen	High Density Pole	40.1	33		
76	6118 - Lowland Deciduous with Cedar	High Density Log	60.4	90		
77	6123 - Lowland Fir	Low Density Pole	3.1	34		
82	6118 - Lowland Deciduous with Cedar	High Density Log	29.7	90		
83	6115 - Lowland Ash	High Density Pole	48.8	57		
85	6118 - Lowland Deciduous with Cedar	Medium Density Log	27.7	90		
86	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	24.8	35		
87	6112 - Lowland Aspen	High Density Log	10.0	90		

Stand	Cover Type	Acres	Gen Cmts:
4	710 - Sand, Soil	2.9	
12	629 - Mixed non-forested wetland	2.3	
14	622 - Lowland Shrub	5.9	
20	310 - Herbaceous Openland	2.3	
21	3302 - Low Density Conifer Trees	3.2	
22	622 - Lowland Shrub	4.9	
24	3302 - Low Density Conifer Trees	1.0	
27	3302 - Low Density Conifer Trees	1.0	
29	50 - Water	27.9	
30	50 - Water	3.5	
34	623 - Emergent Wetland	8.6	
35	622 - Lowland Shrub	47.4	
37	622 - Lowland Shrub	22.0	
38	622 - Lowland Shrub	1.4	
39	622 - Lowland Shrub	63.7	
41	122 - Road/Parking Lot	4.8	
43	50 - Water	4.0	
48	622 - Lowland Shrub	3.8	

Stand	Cover Type	Acres	Gen Cmts:
51	50 - Water	3.4	
52	622 - Lowland Shrub	37.8	
53	622 - Lowland Shrub	4.4	
55	622 - Lowland Shrub	37.4	
57	3205 - Mixed Upland Shrub	2.9	
58	622 - Lowland Shrub	12.8	
65	622 - Lowland Shrub	12.9	
69	622 - Lowland Shrub	23.7	
70	50 - Water	1.3	
72	50 - Water	3.0	
74	622 - Lowland Shrub	1.9	
78	50 - Water	5.9	
79	622 - Lowland Shrub	155.4	
80	622 - Lowland Shrub	20.7	
81	622 - Lowland Shrub	5.8	
84	50 - Water	6.4	

7 – 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.

Inventory Method: IFMAP

Stand	SCA Type	SCA Name	Acres	Comments
76	**SCA Removal**	52136076_SC8	60.4	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
82	**SCA Removal**	52136082_SC8	29.7	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
83	**SCA Removal**	52136083_SC8	48.8	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
85	**SCA Removal**	52136085_SC8	27.7	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
86	**SCA Removal**	52136086_SC8	24.8	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
87	**SCA Removal**	52136087_SC8	10.0	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
74	**SCA Removal**	NF_52136074_SC8	1.9	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
79	**SCA Removal**	NF_52136079_SC8	155.4	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
80	**SCA Removal**	NF_52136080_SC8	20.7	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.
81	**SCA Removal**	NF_52136081_SC8	5.8	Listed as Stand Condition 8 in previous inventory as old growth because of limited access. Recommend removing stand as a Special Conservation Area.

8 – DEDICATED CONSERVATION AREA DETAILS

* This is a list of Dedicated Biodiversity Areas for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to Dedicated Conservation Area Map for areas that the below listed Conservation Areas are located.

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildlife species, including State Wildlife Areas and Waterfowl Production Areas, deer wintering complexes in lowland conifer communities, grassland openings and savannas. Habitat areas are distinct from critical habitat designated for recovery of endangered or threatened species (such as Kirtland's warbler or piping plover areas) in that they are more general in nature, are not primarily associated with threatened or endangered species, and are not covered by species recovery plans that are developed in cooperation with Federal agencies.
SCA	Potential Old Growth Areas	This category contains stands were identified for a broad range of reasons and were coded in the OI database as stand condition 8 as potential old growth (POG). Approximately 310,000 acres have been identified through the Operations Inventory (OI)/Compartment Review process. For stands in Year of Entry 2008 and forward, potential old growth is managed for the identified objective until it is: 1) vetted through the Biodiversity Conservation Planning Process (BCPP) and given a specific designation and objective (as an ERA, HCVA, or other type of SCA) and is released from the potential old growth designation; or 2) it is released from the potential old growth designation via the Compartment Review process.