

Compartment Review Presentation

Traverse City Forest Management Unit

Former Compartment 61012

Entry Year 2019

Inland Township, Benzie County

Stand Examiner: Tim Webb

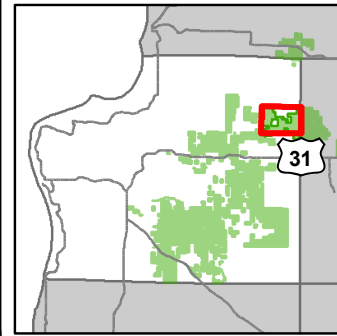
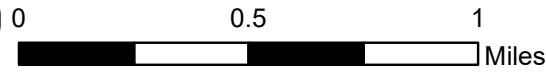
Legal Description: T26N R13W, sections 1, 3, 15

The three disjunct parcels of state forest land comprising the former compartment 61012, corresponding to the three sections listed above, have recently been reapportioned into adjacent compartments for more efficient management. However, because these lands were due for review along with other year-of-entry 2019 compartments, they were re-inventoried during the current review cycle. All forest cover type data for the stands within these parcels have been updated. Subsequently, we are proposing forest management prescriptions within two of these parcels for inclusion in the 2019 plan of work, those being state land in sections 1 and 15. Thus, these prescriptions, if approved, will be out of their normal year-of-entry based on their new compartment designations.

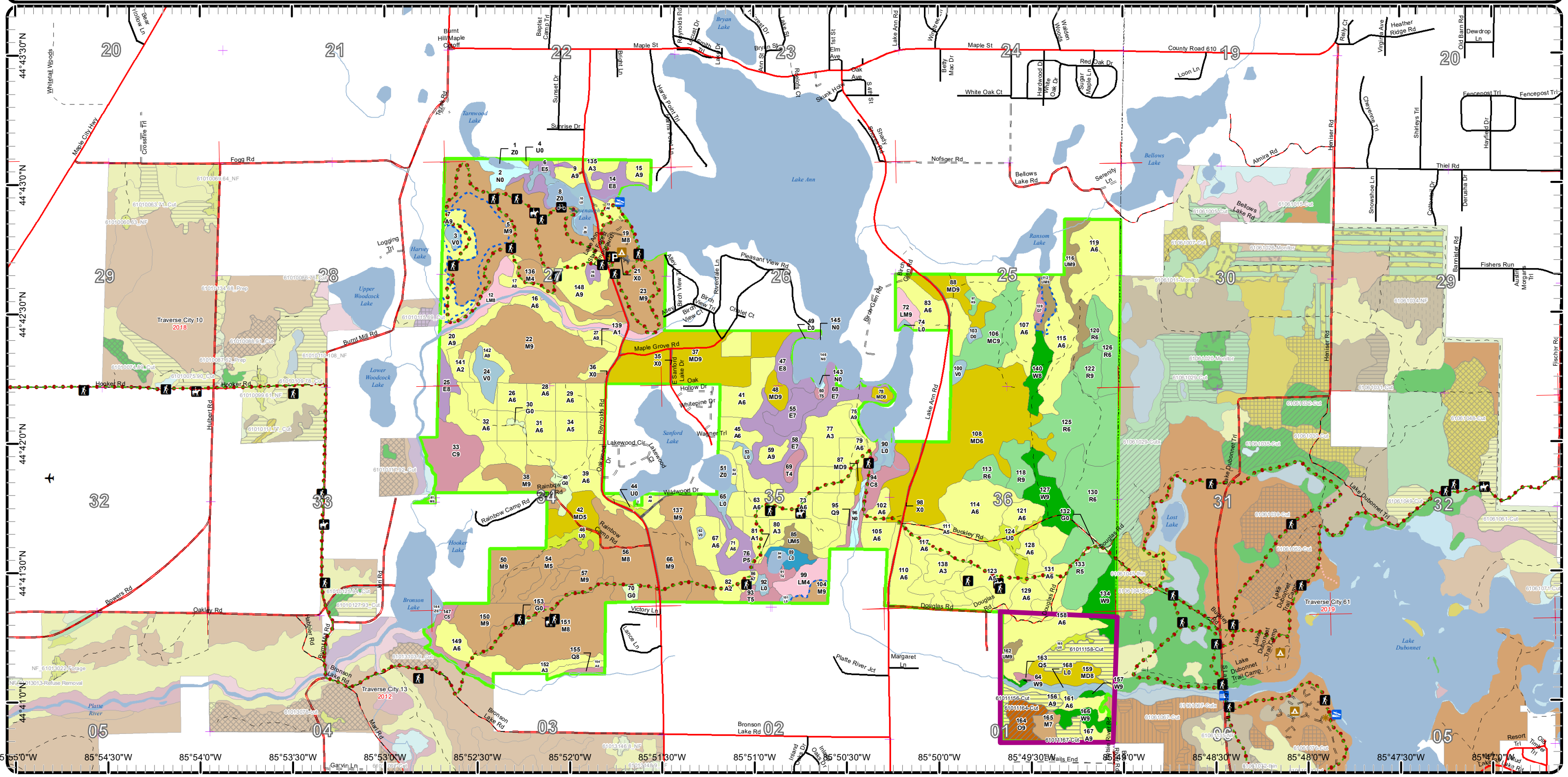
Maps showing forest cover types and proposed treatments have been developed for these 2 parcels. These proposed prescriptions are being posted for public review along with the other 2019 compartments in the Traverse City Forest Management Unit. Public input received, including any from the July 12, 2017 Open House to be held at the Traverse City Customer Service Center, will be considered during the final Compartment Review scheduled for August 3, 2017.

Cover Type & Treatments Map

Compartment: 11
 T27N,R13W Sec. 25-27,34-36
 County: Benzie
 Unit: Traverse City
 Mgmt Area: Benzie Outwash
 YOE: 2017
 Acres: 2889 GIS Calculated
 Examiner: Tim Webb
 Map Revised: 6/27/2017
 Map Phase: Pre-Review



- Treatment Area
- Miris Corners
- Remonumented Section Corners
- Counties
- Boating Access Site
- Campground
- Parking Lot
- Trailhead
- Bike Trails
- Hiking Trails
- Horse Trails
- Ski Trails
- Designated Hiking Trails
- Designated Bicycle Trails
- Designated Equestrian Trails
- Designated Ski Trails
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- County Poor Dirt Roads
- Poor Dirt Roads
- Closed
- Streams
- Lakes and Rivers All
- Compartment Boundary
- Treatments with Site Conditions
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 421 - Planted Pines
- 422 - Natural Pines
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 330 - Low Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 629 - Mixed non-forested wetland
- Lakes





S t 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
156	61011156-Cut	9.5	4130 - Aspen	Sawtimber Well	54		Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Proposal

Habitat Cut: No **Site Condition:**

Prescription Clearcut to a 2" diameter limit. Leave a buffer along the riparian edge. Mark some scattered leave trees of various species. Create some CWD via
Specs: harvest operations.

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen sprouts, plus some oak and white pine
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

158	61011158-Cut	25.6	4130 - Aspen	Poletimber Well	44	Unspec ified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Clearcut to 2" dbh, retaining all white oak, some mixed species trees, and a couple of "islands" where mature oak is concentrated.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable Predominantly aspen sprouts, plus some hardwood and oak stump sprouts and seedlings and white pine seedlings.
Regen:

Other A strip along the creek bottom was kept out of the proposed harvest area as permanent retention in the riparian zone.
Comment:

Proposed Start Date: 10/01/2018

164	61011164-Cut	17.3	4123 - Red Oak	Sawtimber Well	48	81-110	Harvest	Crown Thinning	4123 - Red Oak	Even-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Thin to about 90 BA residual. Remove beech, older aspen, and some over-mature oak and maple. Release better oak crop trees.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

167	61011167-Cut	6.0	4131 - Aspen, Oak	Sawtimber Well	51	111-140	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Clearcut to a 2" diameter limit. Leave some CWD. Leave retention in several small patches totaling 1/4 to 1/2 acre.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)
Treatments:

Acceptable aspen and oak sprouts; some white pine and red maple also acceptable
Regen:

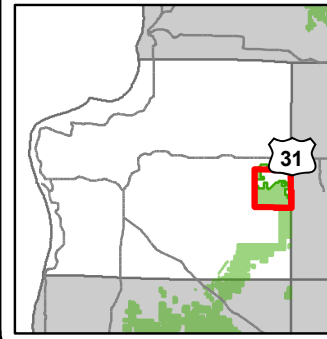
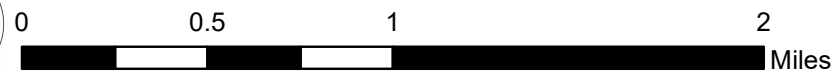
Other
Comment:

Proposed Start Date: 10/01/2018

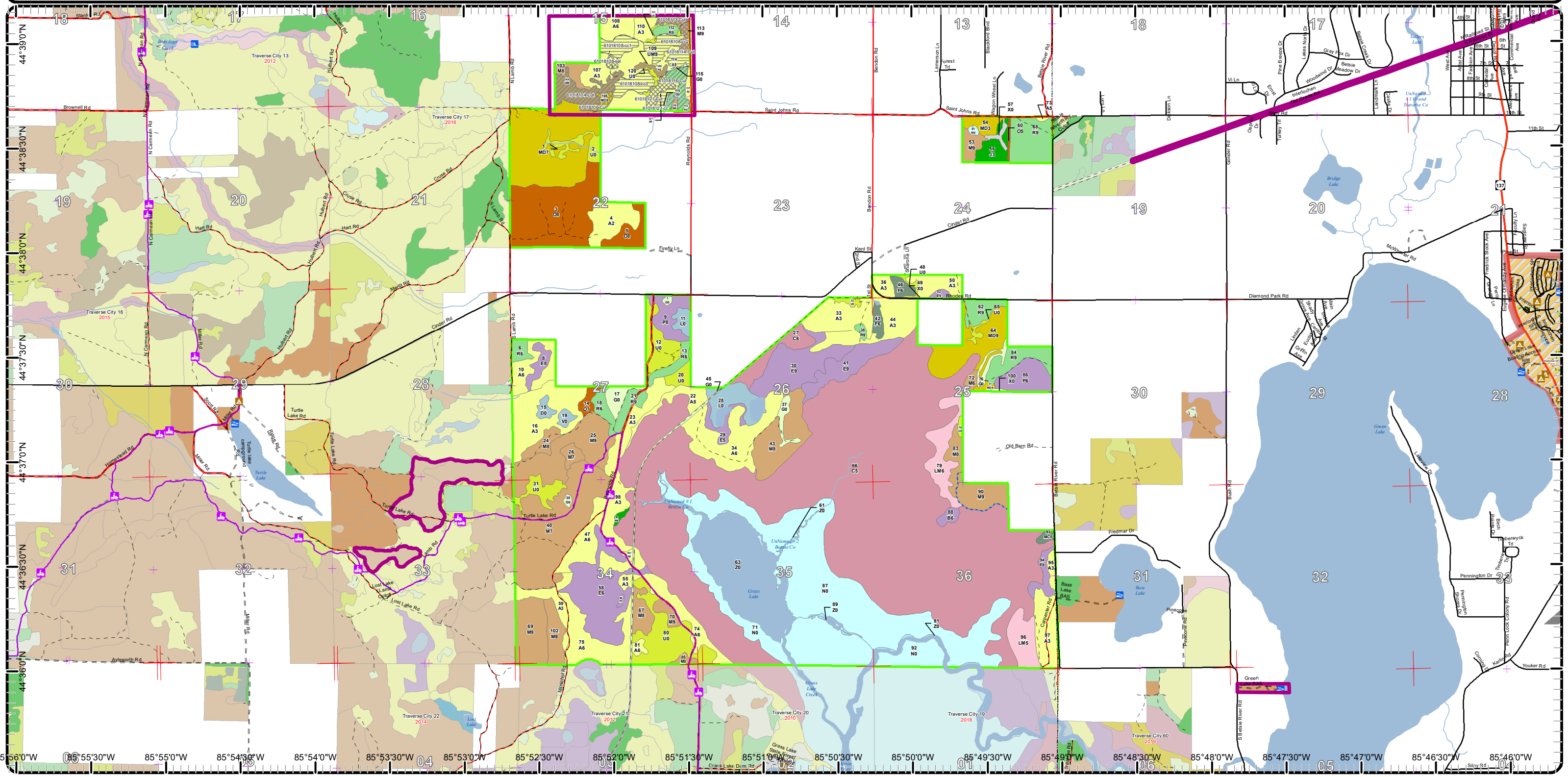
**Total Treatment
Acreage Proposed: 58.4**

Cover Type & Treatments Map

Compartment: 18
 T26N R13W 22,24-27,34-36
 County: Benzie
 Unit: Traverse City
 Mgmt Area: Manistee Plains
 YOE: 2017
 Acres: 3837 GIS Calculated
 Examiner: Craig Allen
 Map Revised: 6/27/2017
 Map Phase: Pre-Review



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| <ul style="list-style-type: none"> Treatment Area Miris Corners Remonumented Section Corners Counties Snowmobile Trails Designated Snowmobile Trails County Paved Roads Paved Roads County Gravel Roads Gravel Roads County Poor Dirt Roads Poor Dirt Roads Streams Lakes and Rivers All | <ul style="list-style-type: none"> Compartment Boundary Treatments with Site Conditions Selection (Group, Single Tree) Clearcut (w/Reserves) Thinning (Crown, Low, Systematic) 411 - Northern Hardwood 412 - Oak Types 413 - Aspen Types 419 - Mixed Upland Deciduous 421 - Planted Pines 422 - Natural Pines 423 - Other Upland Conifers 430 - Upland Mixed Forest 611 - Lowland Deciduous Forest 612 - Lowland Coniferous Forest | <ul style="list-style-type: none"> 613 - Lowland Mixed Forest 110 - Low Intensity Urban 122 - Roads/Parking Lot 310 - Herbaceous Openland 330 - Low Density Trees 500 - Water 622 - Lowland Shrub 623 - Emergent Wetland 790 - Other Bare/Sparsely Vegetated Lakes |
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Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
104	61018104-Cut	24.4	4311 - Pine, Aspen Mix	Sawtimber Well	74	141-170	Harvest	Crown Thinning	42201 - Natural White Pine, Mixed Deciduous	Uneven-Aged	Draft Proposal

Habitat Cut: No

Site Condition:

Prescription Cut out most of the aspen, lightly thin pine and other species. Leave most or all of the oldest white pine. Specify to cut all aspen, but green mark some for retention. Target residual BA 100-120.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

106	61018106-Cut	4.9	4191 - Mixed Upland Deciduous with Conifer	Sawtimber Well	89	141-170	Harvest	Group Selection	4191 - Mixed Upland Deciduous with Conifer	Even-Aged	Draft Proposal
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Habitat Cut: No

Site Condition:

Prescription Group selection: mark individual trees and larger retention patches around aspen clumps. Create some CWD.

Next Step Monitoring, Natural Regen (Re-Inventary)
Treatments:

Acceptable aspen and white pine in regeneration gaps
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

108	61018108-cc1	11.2	4130 - Aspen	Poletimber Well	55	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut to a 2" dbh. Retention: leave small reserve islands, about 5% of acreage. Leave some or all of the white pine as well.

Next Step Monitoring, Natural Regen (Re-Inventary)
Treatments:

Acceptable aspen sprouts; also some red maple stump sprouts and white pine seedlings
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

108	61018108-cc2	11.6	4130 - Aspen	Poletimber Well	55	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Proposal
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Habitat Cut: No

Site Condition:

Prescription Clearcut to a 2" dbh. Retention: leave small reserve islands, about 5% of acreage. Leave some or all of the white pine as well.

Next Step Monitoring, Natural Regen (Re-Inventary)
Treatments:

Acceptable aspen sprouts; also some red maple stump sprouts and white pine seedlings
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
108	61018108-cc3	12.9	4130 - Aspen	Poletimber Well	55	Unspecified	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Proposal

Habitat Cut: No **Site Condition:**

Prescription Clearcut to a 2" dbh. Retention: leave small reserve islands, about 5% of acreage. Leave some or all of the white pine as well.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)
Treatments:

Acceptable aspen sprouts; also some red maple stump sprouts and white pine seedlings
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

108	61018108-sel	2.8	4130 - Aspen	Poletimber Well	55	Unspecified	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Mark for a selection. Residual BA about 90.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)
Treatments:

Acceptable Any mix of hardwood seedlings and sprouts in gaps.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

113	61018113-Cut	9.1	4110 - Sugar Maple Association	Sawtimber Well	93	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Even-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Mark for selection with a residual BA of about 90. Create some regeneration gaps and some coarse woody debris.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)
Treatments:

Acceptable Any mix of northern hardwood seedlings and stump sprouts.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

114	61018114-Cut	6.5	4130 - Aspen	Sawtimber Well	53	Unspecified	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Clearcut to 2" dbh. Retain all oak and cherry; mark some pine and maple for retention (maybe clumps?), especially along the road and the edge of the opening to the south. Create some CWD.
Specs:

Next Step Monitoring, Natural Regen (Re-Inventry)
Treatments:

Acceptable aspen sprouts; hardwood seedlings and sprouts and white pine seedlings also acceptable in the mix
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018



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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
116 61018116-Cut	12.5	42110 - Planted Red Pine	Sawtimber Well	60	171-200	Harvest	Crown Thinning	42110 - Planted Red Pine	Even-Aged	Draft Proposal

Habitat Cut: No **Site Condition:**

Prescription Mark for thinning; residual BA 120-130.

Specs:

Next Step
Treatments:

Acceptable
Regen:

Other May need crane mats to cross the intermittent stream.

Comment:

Proposed Start Date: 10/01/2018

121 61018121-cc	4.2	4139 - Aspen, Mixed Deciduous	Sawtimber Well	56	141-170	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Clearcut to a 2" dbh limit. Mark individual trees for retention (about 5% cover).

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable aspen sprouts
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

121 61018121-Cut	7.1	4139 - Aspen, Mixed Deciduous	Sawtimber Well	56	141-170	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Uneven-Aged	Draft Proposal
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Habitat Cut: No **Site Condition:**

Prescription Mark for selection, focusing on removal of aspen. Residual BA 80-90.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Any mix of northern hardwood seedlings and sprouts; some aspen sprouting also expected in larger gaps.
Regen:

Other
Comment:

Proposed Start Date: 10/01/2018

Total Treatment Acreage Proposed: 107.2