



# Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42129

Entry Year 2020

Acreage: 3,759

County Luce

Management Area: Tahquamenon Basin Wetlands

**Revision Date:** 2018-08-23

**Stand Examiner:** Matt Payment

**Legal Description:**

T45N R8W Sections 19, 20, 29-32

T45N R9W Sections 24 & 25

**Identified Planning Goals:**

Wildlife habitat along with some timber management and recreation are the main uses of this area. The goal is to maintain and improve the forest health and diversity, while subsequently improving wildlife habitat through proper management. Treatments prescribed will help ensure the sustainability of the forest resource and continue to enhance the quality of the wildlife habitat. Timber management (aspen and northern hardwoods) will continue at the current sustainable level of management.

**Soil and topography:**

The soil in this compartment is predominantly Carbondale, Lupton and Tawas mucks, along with Dorval muck. Cover types associated with these soils include cedar, black spruce, and mix swamp conifer. Pickford silt loam, Rudyard silt loam, and Spot-Finch soil complex are the other major soil types in the compartment. Lowland aspen and lowland hardwoods are associated with these soil types. The southern reaches of the compartment have some areas of higher ground aspen and hardwoods on slightly better soils. The topography is level throughout almost the entire compartment with some slight ridges in the south.

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

The compartment is almost entirely State land. There is one block of private land within the compartment boundary in Section 30. State land borders the compartment to the north, east and west. To the south is a mixture of small private land owners and State ownership. Due to the lowland nature of the compartment and surrounding State land, land use and development are minimal to moderate. The private parcels to the south have both seasonal camps and permanent residences on them. The area is used primarily for deer hunting. Due to the lowland nature and "inaccessibility" of the compartment, land use within the compartment boundaries will remain minimal.

**Unique Natural Features:**

MNFI does list the potential for eagle, osprey and great blue heron rookery. Potential for moose and wolf. Potential for Blanding's turtle along drainage. They also list potential for fir clubmoss. Potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, round-leaved orchis, black crowberry, yellow pitcher plant, and paniced screwstem in treed bogs. Potential for climbing fumitory, goblin moonwort, large toothwort, ginseng, and showy orchis in mature hardwoods. Potential for auricled twayblade in streamside thickets. Potential for calypso orchis, lapland buttercup, ram's head lady's slipper, round-leaved orchid and limestone oak fern in cedar swamps.

**Archeological, Historical, and Cultural Features:**

The Bureau of History does not list any historical features within the compartment.

**Special Management Designations or Considerations:**

The compartment lies within the Sage River Deeryard and therefore has been designated as a Special Conservation Area (SCA). Being located within the boundaries of the deer yard, management decisions shall be dictated by the promotion and enhancement of the desired characteristics associated with the winter yarding habitat. Conifer canopies should remain undisturbed. Harvesting in these areas will likely take place during winter months.

**Watershed and Fisheries Considerations:**

Fisheries Values: Moderate

This compartment is bordered by the West Branch and East Branch Sage Rivers. The West Branch Sage River (including tributaries) is a designated trout stream, however the East Branch Sage River is not. Both streams support natural brook trout populations. Standard BMP's are adequate to protect the East Branch Sage River, while the West Branch Sage River needs further protection. For stands considered for aspen clear-cuts a 300-ft buffer should be considered.

## **Wildlife Habitat Considerations:**

Compartment 129 lies in southern Luce county and is in the Seney Sand Lake Plain ecological sub-subsection and lies in the Tahquamenon River Basin Wetlands Management Area. Featured species for this management area include white-tailed deer, black bear, snowshoe hare, and gray jay. The compartment lies within the Sage River- Hulbert Deer Wintering Complex which supports high numbers of deer during stressful winter periods. The compartment is largely lowland conifer types with some northern hardwoods and lowland birch and aspen scattered around. Several creeks and drainages exist in the compartment and serve as excellent wildlife travel corridors.

Cedar and hemlock will be left throughout the compartment and harvests will occur during winter to aid wintering deer. Conifers will be left in swamp aspen stands and species and structural diversity will be maximized in final harvest aspen stands. Nest and den trees, snags, and woody debris will be maintained in stands where they exist. Travel corridors along streams and drainages will be preserved during harvest. Wildlife species potentially using this compartment include white-tailed deer, moose, black bear, bobcat, gray wolf, coyote, fisher, snowshoe hare, mink, beaver, and otter.

## **Mineral Resource and Development Concerns and/or Restrictions**

19-20 & 29-32, T45N-R8W and sections 24-25, T45N-R9W, Luce County

Active sand/gravel pits are located more than five miles away, and sand & gravel potential appears to be limited within the compartment. Hendricks Quarry (high-purity limestone) is located just south of the compartment and is actively being mined by Graymont. There is limestone potential beneath the compartment, but it is at greater depths compared to Hendricks Quarry. There is no known metallic mineral potential in this area, and there is no potential for economical production oil and gas in the UP.

## **Vehicle Access:**

: This compartment is located approximately 11 miles east of Newberry. Access to the compartment is via County Road 393 (Borgstrom Road). Access can be gained from the south via a few poor quality two track roads. Several abandoned/closed roads used for past timber sales are also found throughout the area. In general, vehicle access is limited due to the lowland nature of the compartment.

## **Survey Needs:**

There are no survey needs at this time.

## **Recreational Facilities and Opportunities:**

There are no established recreational facilities within the compartment. Recreational opportunities would be primarily hunting.

## **Fire Protection:**

Large fire runs are not likely, because of the swamp conifer and hardwood types. Poor access with wheeled equipment will limit suppression abilities. Private property risk is low.

## **Additional Compartment Information:**

### **The following reports from the Inventory are attached:**

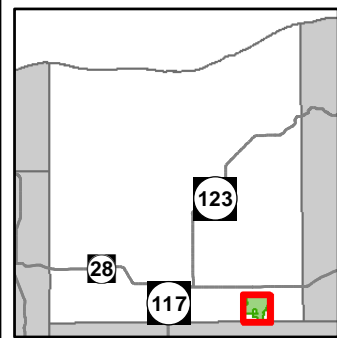
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

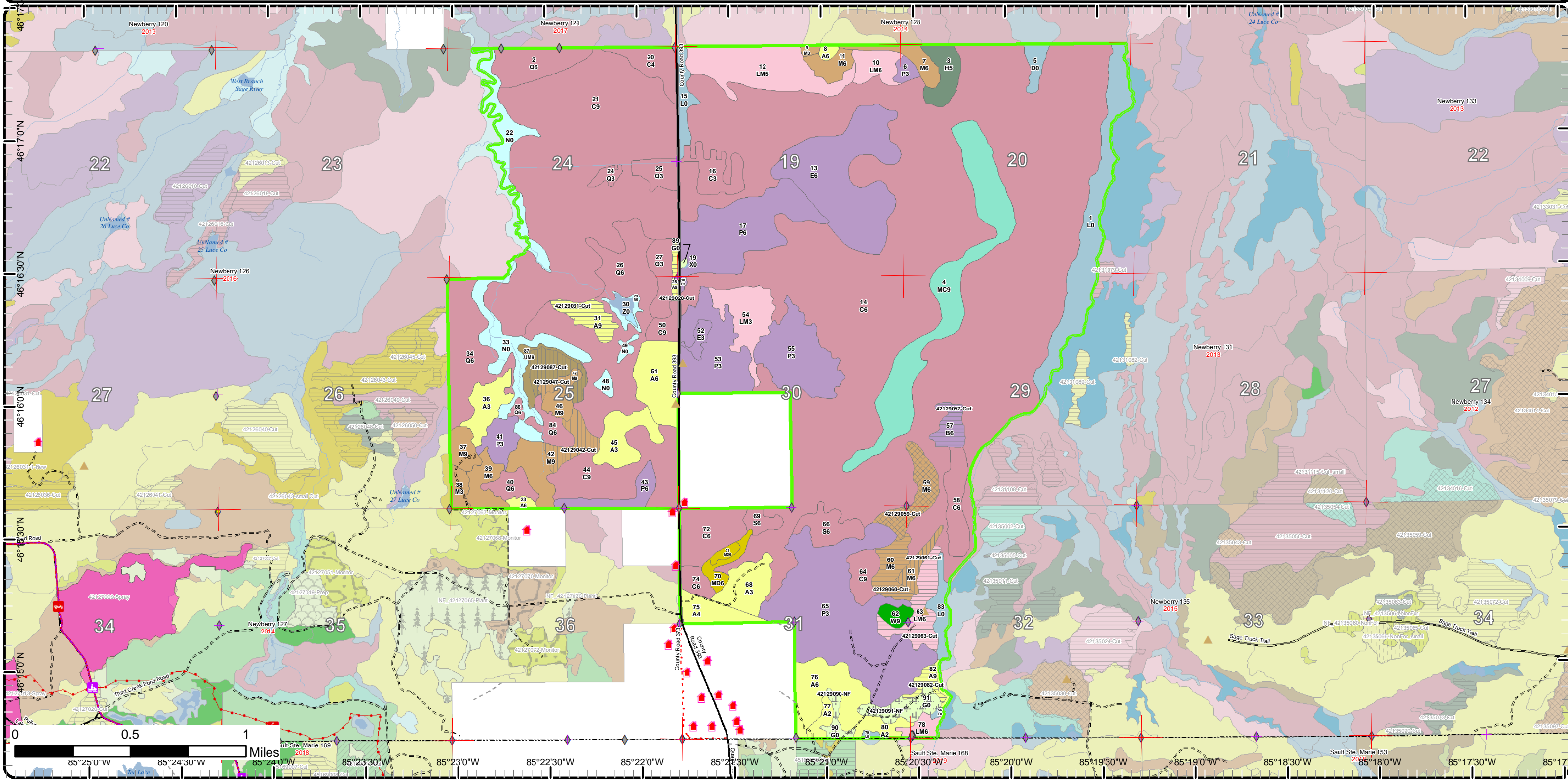
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

# Cover Type & Treatments Map

Compartment: 129  
 T45N, R08W, Sec. 19, 20, 29-32  
 T45N, R09W, Sec. 24, 25  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2020  
 Acres: 3,759 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 4/23/2019  
 Map Phase: Post-Review

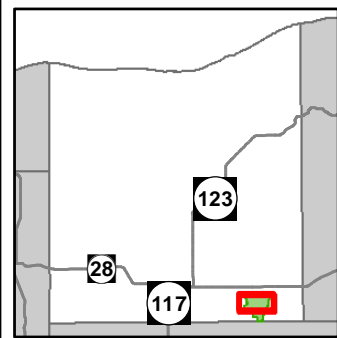


- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- Unspecified Structure
- ▲ Berms
- Structures
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest



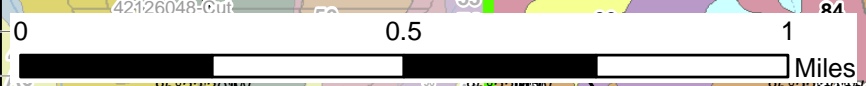
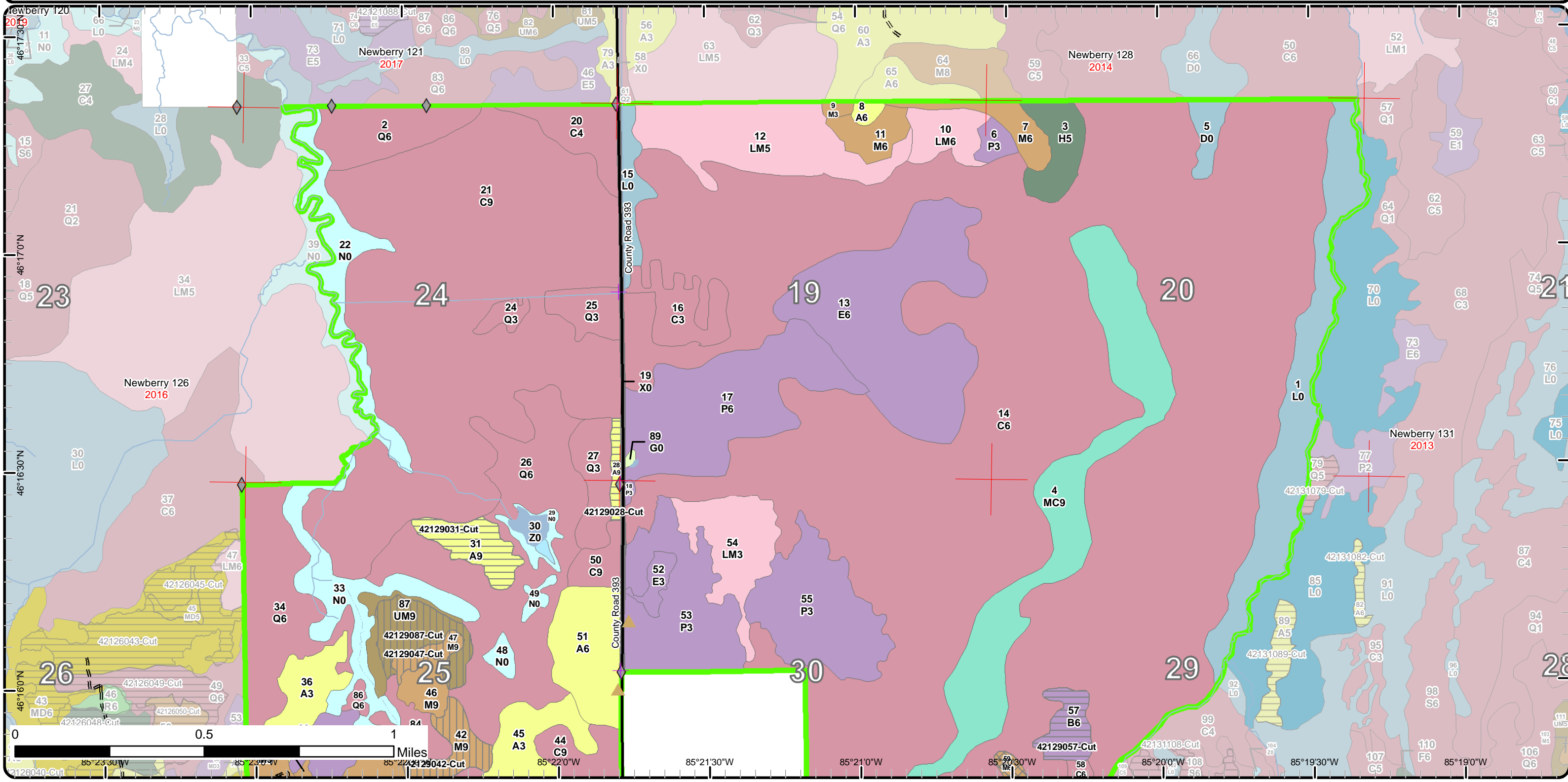


# Cover Type & Treatments Map



Compartment: 129  
 T45N, R08W, Sec. 19, 20, 29-32  
 T45N, R09W, Sec. 24, 25  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2020  
 Acres: 3,759 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 4/23/2019  
 Map Phase: Post-Review

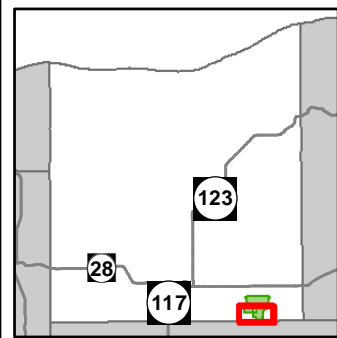
- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes



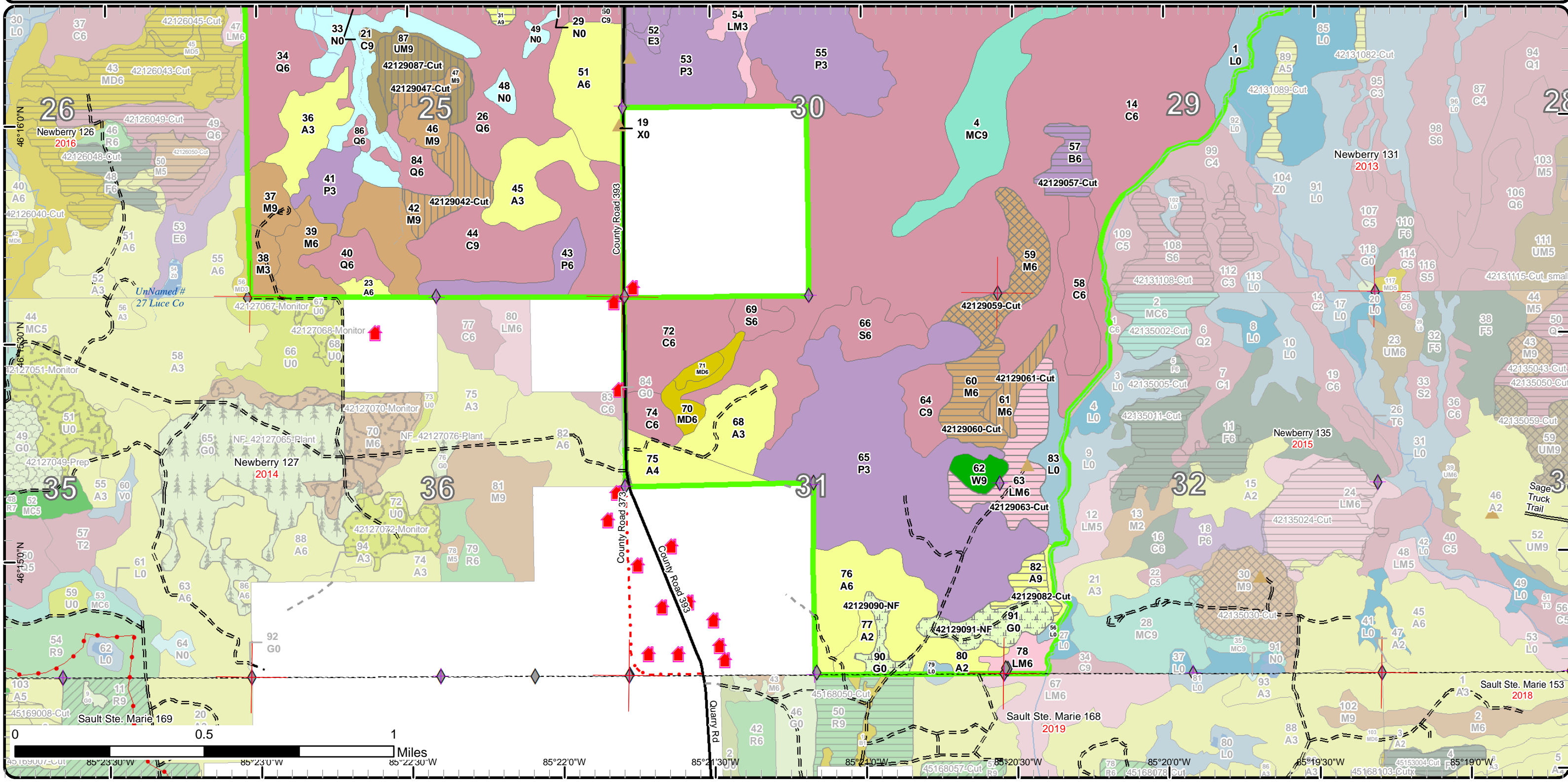
85°23'30"W 85°22'45"W 85°22'00"W 85°21'15"W 85°20'30"W 85°19'45"W 85°19'00"W  
 46°16'00"N 46°16'30"N 46°17'00"N 46°17'30"N

# Cover Type & Treatments Map

Compartment: 129  
 T45N, R08W, Sec. 19, 20, 29-32  
 T45N, R09W, Sec. 24, 25  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2020  
 Acres: 3,759 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 4/23/2019  
 Map Phase: Post-Review



- Miris Corners
- Remonumented Section Corners
- Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ORV License & Trail Permit
- Unspecified Structure
- Berms
- Structures
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Other Treatment - See Comments
- Selection (Group, Single Tree)
- Clearcut (w/Reserves)
- Shelter Wood (w/Reserves)
- 411 - Northern Hardwood
- 413 - Aspen
- 419 - Mixed Upland Deciduous
- 422 - Natural Pines
- 429 - Mixed Upland Conifers
- 430 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- Lakes







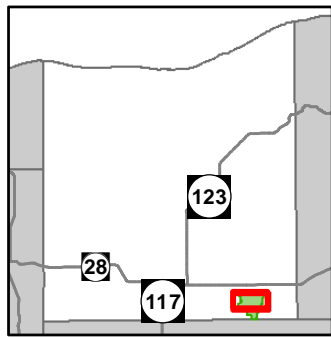




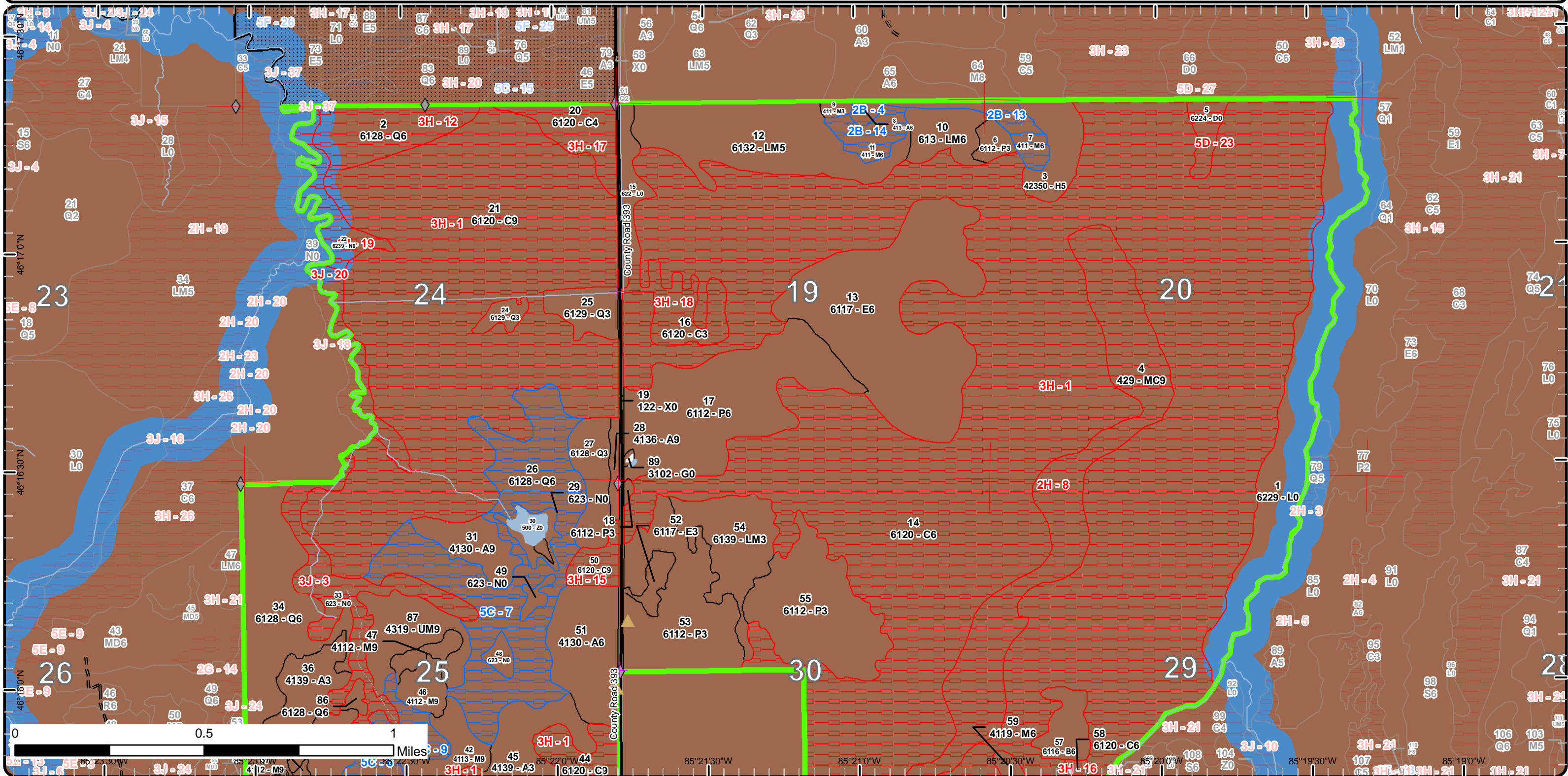


# Special Conservation Areas & Site Conditions Map

Compartment: 129  
 T45N, R08W, Sec. 19, 20, 29-32  
 T45N, R09W, Sec. 24, 25  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2020  
 Acres: 3,759 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 4/23/2019  
 Map Phase: Post-Review



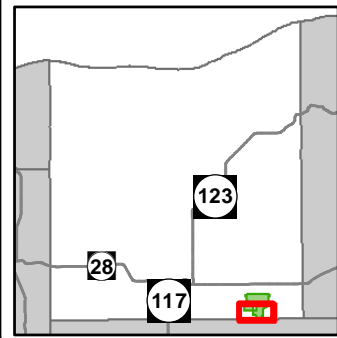
- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- ▲ Berms
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 5D: Unproductive Forest Land
- Stand Boundaries
- SCA
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



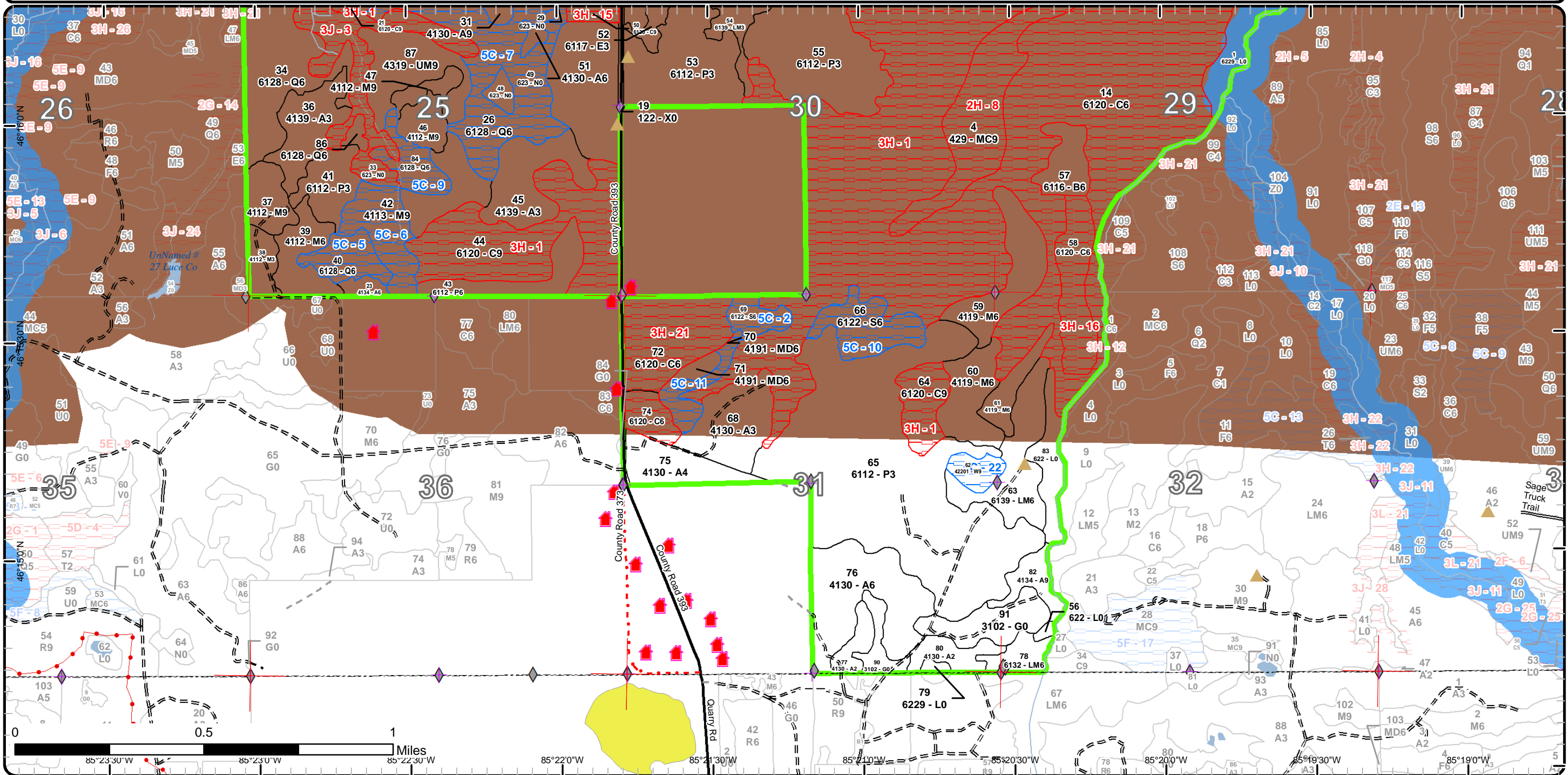


# Special Conservation Areas & Site Conditions Map

Compartment: 129  
 T45N, R08W, Sec. 19, 20, 29-32  
 T45N, R09W, Sec. 24, 25  
 County: Luce  
 Unit: Newberry  
 Mgmt Area: Tahquamenon Basin  
 Wetlands  
 YOE: 2020  
 Acres: 3,759 GIS Calculated  
 Examiner: Matt Payment  
 Map Revised: 4/23/2019  
 Map Phase: Post-Review



- Miris Corners
- + Remonumented Section Corners
- ◆ Field Grade Corners
- Counties
- DNR - Secondary Forest Road
- DNR - Forest Access Route
- Federal / State / County - Paved Road
- Federal / State - Dirt / Gravel Road
- County - Gravel Road
- Private - Dirt / Gravel Road
- ORV License & Trail Permit
- Unspecified Structure
- ▲ Berms
- ▲ Structures
- Intermittent Stream
- Lake/Pond
- Perennial River
- Lakes and Rivers All
- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range
- Limestone or Dolomite





Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	38	27	27	63	40	0	21	0	14	0	0	0	0	0	0	0	0	230
Cedar	0	0	0	0	0	0	0	46	0	36	1348	90	0	384	0	0	0	0	1903
Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	19	0	0	0	0	0	19
Herbaceous Openland	26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	26
Lowland Aspen/Balsam Poplar	0	6	308	0	0	105	0	0	0	0	0	0	0	0	0	0	0	0	419
Lowland Conifers	0	0	0	0	0	37	0	0	0	13	131	32	0	0	0	0	0	60	273
Lowland Deciduous	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	119	125
Lowland Mixed Forest	0	0	0	0	0	0	51	0	0	29	8	0	0	0	0	0	0	66	154
Lowland Shrub	113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	113
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	0	29
Marsh	91	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	91
Mixed Upland Deciduous	0	0	0	0	0	0	4	0	9	0	0	0	0	0	0	0	0	0	13
Northern Hardwood	0	0	2	0	9	0	0	0	0	0	0	0	0	0	0	0	0	165	175
Paper Birch	0	0	0	0	0	0	0	0	0	13	0	0	0	0	0	0	0	0	13
Treed Bog	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9
Upland Conifers	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	114	114
Upland Mixed Forest	0	0	0	0	0	0	0	0	0	0	27	0	0	0	0	0	0	0	27
Urban	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
Water	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	7
<b>Total</b>	<b>258</b>	<b>44</b>	<b>337</b>	<b>27</b>	<b>72</b>	<b>182</b>	<b>61</b>	<b>67</b>	<b>9</b>	<b>134</b>	<b>1514</b>	<b>122</b>	<b>19</b>	<b>384</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>531</b>	<b>3759</b>





## Report 2 – Treatment Summary

**Newberry Mgt. Unit**  
**Year of Entry: 2020**

**Acres of Harvest**

**Compartment 129**  
**Total Compartment Acres: 3,759**

Commercial Harvest - 170  
 Harvests with Site Condition - 0  
 Next Step Harvest - 10  
 Habitat Cut - 10

### Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	29	0	0	0	0	0	0	0	0	29
Lowland Mixed Forest	29	0	0	0	0	0	0	0	0	29
Northern Hardwood	20	26	0	0	32	0	0	0	0	78
Paper Birch	13	0	0	0	0	0	0	0	0	13
Upland Mixed Forest	0	0	0	0	21	0	0	0	0	21
<b>Total</b>	<b>92</b>	<b>26</b>	<b>0</b>	<b>0</b>	<b>53</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>170</b>

### Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	170	0	0	0	0	0	0	25	0	196
Next Step	10	0	0	0	0	0	161	0	0	170
<b>Total</b>	<b>180</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>161</b>	<b>0</b>	<b>25</b>	<b>366</b>





Stand Name	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
28	42129028-Cut	4.4	4136 - Aspen, Mixed Conifer	Sawtimber Well	81	81-110	Harvest	Clearcut	413 - Aspen	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut. No retention, small acreage, narrow stand. Leave any hemlock if present. Stand can be harvested beginning October 1st.  
Specs:

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

Acceptable Aspen with maple and conifers  
Regen:

Other No chipping.  
Comment:

Proposed Start Date: 10/1 /2024

31	42129031-Cut	17.3	4130 - Aspen	Sawtimber Well	65	111-140	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	Draft Field Boundary
----	--------------	------	--------------	----------------	----	---------	---------	-------------------------	-------------	-----------	----------------------

**Habitat Cut: No****Site Condition:**

Prescription Clearcut with retention. Retention pocket around the balsam patch in the center of the stand. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.  
Specs:

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

Acceptable Aspen with red maple and conifers  
Regen:

Other Winter harvest. No chipping.  
Comment:

Proposed Start Date: 10/1 /2024

42	42129042-Cut	16.9	4113 - R.Maple, Conifer	Sawtimber Well	91	111-140	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
----	--------------	------	-------------------------	----------------	----	---------	---------	----------------------------	----------------------------	-----------	----------------------

**Habitat Cut: No****Site Condition:**

Prescription Shelterwood with retention. Residual BA of 30-40 sq ft. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.  
Specs:

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

Acceptable Upland mixed species  
Regen:

Other Winter harvest. No chipping.  
Comment:

Proposed Start Date: 10/1 /2024

47	42129047-Cut	5.7	4112 - Maple, Beech, Cherry Association	Sawtimber Well	91	111-140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Even-Aged	Draft Field Boundary
----	--------------	-----	---	----------------	----	---------	---------	----------------------------	-------------------------	-----------	----------------------

**Habitat Cut: No****Site Condition:**

Prescription Shelterwood. Residual BA of 30, concentrating on 8-9 inch red and hard maple. Retain yellow birch. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.  
Specs:

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

Acceptable northern hardwoods  
Regen:

Other Winter harvest. No chipping.  
Comment:

Proposed Start Date: 10/1 /2024





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
57	42129057-Cut	13.2	6116 - Lowland Birch	Poletimber Well	81	111- 140	Harvest	Clearcut with Retention	6116 - Lowland Birch	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut with retention. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Lowland birch with aspen, spruce and balsam.

Regen:

Other Winter harvest. Access is questionable. No chipping.

Comment:

Proposed Start Date: 10/1 /2019

59	42129059-Cut	25.8	4119 - Mixed Northern Hardwoods	Poletimber Well	91	111- 140	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
----	--------------	------	------------------------------------	--------------------	----	-------------	---------	--------------------------	----------------------------	-----------------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Selection harvest. Reduce BA to 70 sq ft on avg. Keep BA higher (80) in better quality areas and lower BA in areas of lesser quality. In areas of white birch reduce the BA to allow for white birch regeneration. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Northern hardwoods with white birch component

Regen:

Other Winter harvest. Slopes in the stand may make harvesting difficult. No chipping.

Comment:

Proposed Start Date: 10/1 /2019

60	42129060-Cut	20.3	4119 - Mixed Northern Hardwoods	Poletimber Well	91	111- 140	Harvest	Clearcut with Retention	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
----	--------------	------	------------------------------------	--------------------	----	-------------	---------	----------------------------	----------------------------	-----------------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Clearcut with retention. Retention not to exceed 5% of stand area. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable northern hardwoods and a mixture of conifer regeneration

Regen:

Other Winter harvest. No chipping.

Comment:

Proposed Start Date: 10/1 /2019

61	42129061-Cut	9.7	4119 - Mixed Northern Hardwoods	Poletimber Well	91	111- 140	Harvest	Shelterwood with Retention	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary
----	--------------	-----	------------------------------------	--------------------	----	-------------	---------	-------------------------------	----------------------------	-----------------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Shelterwood harvest to promote red maple regen. Residual BA to avg 50-60 sq ft. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.

Next Step Harvest, Shelterwood with Retention

Treatments:

Acceptable Red maple with component of northern hardwoods species.

Regen:

Other Winter harvest. No chipping.

Comment:

Proposed Start Date: 10/1 /2019





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
63	42129063-Cut	29.3	6139 - Mixed Lowland Forest	Poletimber Well	87	51-80	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	Draft Field Boundary

**Habitat Cut: No****Site Condition:**

Prescription Clearcut with retention. Retention not to exceed 5% of total stand area. Retention to be in patches. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.

Next Step Monitoring, Natural Regen (Re-Inventary)

Treatments:

Acceptable lowland aspen with birch and lowland conifers

Regen:

Other Winter harvest. No chipping.

Comment:

Proposed Start Date: 10/1 /2019

82	42129082-Cut	7.0	4134 - Aspen, Spruce/Fir	Sawtimber Well	88	111- 140	Harvest	Clearcut	4139 - Aspen, Mixed Deciduous	Even-Aged	Draft Field Boundary
----	--------------	-----	-----------------------------	-------------------	----	-------------	---------	----------	-------------------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Clearcut. No retention. Small acreage. Leave 100 ft buffer along creek. Leave white pine for bear refuge trees.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventary)

Treatments:

Acceptable Aspen with maple, cherry and a component of balsam and spruce.

Regen:

Other Winter cut due to deer yard. No chipping.

Comment:

Proposed Start Date: 10/1 /2019

87	42129087-Cut	20.6	4319 - Mixed Upland Forest	Sawtimber Well	94	111- 140	Harvest	Shelterwood with Retention	4319 - Mixed Upland Forest	Even-Aged	Draft Field Boundary
----	--------------	------	-------------------------------	-------------------	----	-------------	---------	-------------------------------	-------------------------------	-----------	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Shelterwood with retention. Leave 20-30 BA of better quality maple. Remove all spruce, balsam, aspen, white birch. Retention also in the buffer along the drainages (50 ft or follow topography). Leave yellow birch. Leave all cedar on the landscape, and where cedar density precludes cutting of other species, leave as a retention pocket. Also leave all sub-merchantable pockets of balsam fir. Leave all hemlock. Cedar and hemlock are being left for wintering deer. If cedar outside of the retention pockets is required to be cut for operability, double average district stumpage price will be charged.

Next Step Monitoring, Natural Regen (Re-Inventary)

Treatments:

Acceptable Red maple, aspen, mixed conifers

Regen:

Other Winter harvest. No chipping.

Comment:

Proposed Start Date: 10/1 /2024

90	42129090-NF	7.2	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3102 - Grass		Draft Field Boundary
----	-------------	-----	--------------	------------	--	-----------------	--------------	------------------------------	--------------	--	-------------------------

**Habitat Cut: No****Site Condition:**

Prescription Wildlife Division to plant oak and apple trees

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019





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
91	42129091-NF	18.2	3102 - Grass	Nonstocked		Unspec ified	NonForestMgt	Fruit Tree/Shrub Planting	3102 - Grass		Draft Field Boundary

**Habitat Cut: No**

**Site Condition:**

Prescription Wildlife Division to plant oak and apple trees

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other

Comment:

Proposed Start Date: 10/1 /2019

---

**Total Treatment  
Acreage Proposed: 195.6**



## Report 4 – Site Conditions

Newberry Mgt. Unit  
Matt Payment : Examiner

Compartment: 129  
Year of Entry: 2020

### Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions								
		With Condition				2B	5C	5F	2G	2H	3H	3J	5D	
229	227	<b>3</b>		0	Aspen	<b>3</b>	<b>0</b>					0	0	
1903	0	<b>0</b>		1903	Cedar		<b>0</b>			0		1,903		
19	19	<b>0</b>		0	Hemlock	<b>0</b>								
26	26	<b>0</b>		0	Herbaceous Openland									
418	418	<b>0</b>		0	Lowland Aspen/Balsam Poplar	<b>0</b>	<b>0</b>					0		
273	100	<b>141</b>		32	Lowland Conifers		<b>141</b>	0	0			32	0	
125	125	<b>0</b>		0	Lowland Deciduous							0		
154	154	<b>0</b>		0	Lowland Mixed Forest	<b>0</b>						0		
113	113	<b>0</b>		0	Lowland Shrub					0		0		
29	0	<b>29</b>		0	Lowland Spruce/Fir		<b>29</b>					0		
91	12	<b>0</b>		79	Marsh		<b>0</b>					0	79	
13	4	<b>9</b>		0	Mixed Upland Deciduous		<b>9</b>					0		
176	128	<b>48</b>		0	Northern Hardwood	<b>26</b>	<b>22</b>					0	0	
13	13	<b>0</b>		0	Paper Birch							0		
9	0	<b>0</b>		9	Treed Bog							0		9
114	0	<b>0</b>		114	Upland Conifers					114		0		
27	27	<b>0</b>		0	Upland Mixed Forest		<b>0</b>						0	
15	15	<b>0</b>		0	Urban							0		
4	4	<b>0</b>		0	Water		<b>0</b>							
7	0	<b>7</b>		0	White Pine		<b>7</b>							
3,759	1,385	<b>237</b>		2,136	Total Forested Acres	<b>29</b>	<b>208</b>	0	0	114	1,935	79	9	
	37%	<b>6%</b>		57%	Relative Percent									

*\*Due to limitations in the current Site Conditions Analysis tool, all nonforested acres are considered available. Future development will enable analysis of nonforested types.*

Site No.	Dominant Site Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	1,782	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 129  
 Year of Entry: 2020

2	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	8	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
3	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	46	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> RMZ a part of the Third Creek watershed.							
4	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	3	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
5	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	13	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Treat in 10 years with other stands that will be accessed from the south and west.							
6	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	22	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Treat west half of the stand (west of drainage) in 10 years with other stands that will be accessed from the south and west.							
7	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	116	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 129  
 Year of Entry: 2020

8	<b>Unavailable</b>	<b>2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)</b>	114	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
9	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
10	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
11	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Hold the stand for 10 years for diversity and also per request of WLD to help avoid deer movement across Co Rd 393 with cutting prescribed west of the road.							
12	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	32	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 129  
 Year of Entry: 2020

13	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
14	<b>Available</b>	<b>2B: Unknown if access through adjacent landowner(s) is possible</b>	12	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
15	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	10	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
16	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	24	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
17	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							



## Report 4 – Site Conditions

Newberry Mgt. Unit  
 Matt Payment : Examiner

Compartment: 129  
 Year of Entry: 2020

18	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	21	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
19	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	18	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> RMZ to Third Creek.							
20	<b>Unavailable</b>	<b>3J: Water quality / BMPs (stream, river, or lake)</b>	14	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> RMZ to a part of the Third Creek watershed.							
21	<b>Unavailable</b>	<b>3H: Deer Wintering Area - habitat is incompatible with harvest at this time</b>	45	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b> Obligate deer yard.							
22	<b>Available</b>	<b>5C: Delay treatment for age/size class diversity or exceptional site quality</b>	7	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							
23	<b>Unavailable</b>	<b>5D: Unproductive Forest Land</b>	9	Unspecified	Unspecified	Unspecified	Unspecified
<b>Comments:</b>							

Mgt. Unit

Compartment: #Type!

Year of Entry:



### Report 5 – 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 6 – 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

<b>Conservation Area</b>	<b>Type</b>	<b>Description</b>
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	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	31.5	101	111-140	Variable stand, fair quality. There is enough cedar that to harvest some would need to be harvested. No deer sign. deer wintering complex. Stand is patchy with areas of both high and low basal areas. Good regeneration in open areas.
3	42350 - Upland Hemlock	Poletimber Medium	19.2	111	51-80	Stand harvested via shelterwood as sale #015-11-01. Completed 04/17/2013. Regeneration is primarily maple, aspen. Some balsam. Residual hemlock and white pine not harvested as part of the sale make up the canopy. MO for the stand was hemlock with white pine and hardwoods. Hemlock regeneration not established as of time of inventory. Stand is a 2 aged stand now with the regeneration from the harvest. No access other than through PVT land, access denied (as of 05/09/2010). Landowner had changed.
4	429 - Mixed Upland Conifers	Sawtimber Well	114.0	121	141-170	Large diameter, super canopy white pine over a mix of species (RM, Hem, WB, Balsam, Spruce and cedar). Ridge in the middle of a large cedar swamp. Pockets of more of an M6 throughout the stand. Pockets of dense W9.
6	6112 - Lowland Aspen	Sapling Well	5.5	6	Immature	Stand harvested via clearcut with reserves as sale #015-11-01. Completed 04/17/2013. Stand is regenerating to lowland aspen and birch with some red maple. 5/19/10 - No access other than through PVT land, access denied.
7	411 - Northern Hardwood	Poletimber Well	13.9	91	51-80	Hardwoods ridge. Thinned in 2002 "McLeod's Corner Sale" (002-99-01). Good regeneration coming in, mainly red maple stump sprouts. Heavy deer browsing. Hemlock and white pine component. 5/19/10 - No access other than through PVT land, access denied. New landowner.
8	413 - Aspen	Poletimber Well	2.8	49	51-80	Young aspen with thick balsam. A4/A3/F3/M2. Majority of the stand is in C128 to the north. Cut in 1970's (old notes - no records). 5/19/10 - No access other than through PVT land, access denied. New landowner.
9	411 - Northern Hardwood	Sapling Well	2.1	17	Immature	Clearcut as "McLeod's Corner Sale" (002-99-01). Mostly balsam, red maple stump sprouts, and a few aspen. Fairly open.
10	613 - Lowland Mixed Forest	Poletimber Well	16.2	52	Unspecified	Balsam, spruce, white birch, red maple regeneration 20 ft tall and 2-3 inches dbh. Pocket of Q4 residual (B, Sp, hem)
11	411 - Northern Hardwood	Poletimber Well	12.1	91	81-110	Stand harvested via thinning as sale #015-11-01. Completed 04/17/2013. 5/19/10 - No access other than through PVT land, access denied. New landowner. Red maple with some hard maple, black ash and spruce. Pockets with good quality. Southern and western portions of the stand are lower quality and more conifer mixed in. Best quality is in the 8-9 inch class of maple. Some over mature red maple.
12	6132 - Mixed Lowland Forest with Cedar	Poletimber Medium	65.5	97	51-80	Very wet, low quality stand. Low quality red maple with black spruce, cedar, black ash and occasional white pine. Stand extends into the compartment to the north (stand 63).





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
13	6117 - Lowland Deciduous, Mixed Coniferous	Poletimber Well	118.6	91	51-80	Low quality red maple. Lots of sub-merchantable balsam. 1999 notes state to hold stand for 30-50 years until more of the balsam is merchantable.
14	6120 - Lowland Cedar	Poletimber Well	1,312.8	98	141-170	Large acreage cedar stand. Areas of nice thick cedar, over 200 BA. Some areas are more open. Areas of larger diameter cedar (C9). Pockets of P6 and Q6 throughout. Light deer use (2018). Merged with old stand 2.
16	6120 - Lowland Cedar	Sapling Well	21.4	63	Unspecified	Good cedar regeneration. Some spruce, balsam and white birch. Some areas of Q3. Cedar up to 10-20 ft tall. Wet. Old deer food cutting. Dorval muck soil.
17	6112 - Lowland Aspen	Poletimber Well	87.4	45	1-50	Sale #35-74A. Complete 3/21/1977. Mixed stand of lowland aspen cover type as well as lowland conifers. White birch, aspen, balm, balsam, spruce, patches of cedar. Pockets of residual. Old notes state that burr oak found near the road. Stand is transitioning from sapling to pole stand.
18	6112 - Lowland Aspen	Sapling Well	0.9	14	Immature	Sale #016-01-01 "West Borstrom Aspen". Very small stand of P3 bordering Co Rd 393. Stand is regenerating to a P3/E3. Lots of balsam poplar regeneration and red maple stump sprouts. Fair amount of aspen regen also. Residual cedar, hemlock and white pine.
20	6120 - Lowland Cedar	Poletimber Poor	20.5	109	51-80	Very low quality, fairly open stand. Stand transitions to more of a Q4 as it nears the north compartment boundary. Dorval muck soil
21	6120 - Lowland Cedar	Sawtimber Well	383.9	120	171-200	Dense cedar for the most part. C6/C9. Areas of sawlog size cedar and areas of pole size cedar. BA ranges from 140-240. Diameters in the cedar range from 6-8 inch up to 14-16 inch with some even larger. No winter deer activity. Very little cedar regeneration within the stand, mostly spruce and balsam. Some old patches within the stand from old deer food cuts. Mixed stand of conifers along Co Rd 393. Dorval muck soil
23	4134 - Aspen, Spruce/Fir	Poletimber Well	3.6	61	51-80	Small stand of aspen with white spruce and balsam. Aspen appears to be healthy. cedar along edges. Hold stand for 10 years to harvest with other stands in the area (access issues).
24	6129 - Mixed Coniferous Lowland Forest	Sapling Well	5.1	45	Unspecified	Old deer food cut. Good component of cedar regeneration. Dorval muck soil
25	6129 - Mixed Coniferous Lowland Forest	Sapling Well	13.7	45	Unspecified	Old deer food cut. White birch, Balm, Spruce, Balsam and some cedar regeneration. Pockets of P3. Dorval muck soil.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	116.1	94	111-140	Stand has high variability in species throughout. Cedar, red maple, hemlock, spruce, balsam, white birch, aspen, ash. Q5/Q6 throughout most of the stand. Patches of higher ground (E5/E6). Pockets of a Q6 mix. Thick areas of cedar. Understory of balsam, red maple, ash and spruce. Wet, drainages and beaver areas throughout. Overall the stand is a lowland conifer stand, with some upland areas of a mix of deciduous and conifer. Some areas are very wet. A portion of original stand 26 is now stand 87 (upland) and being prescribed for harvest. northern portion of the stand is very wet with tag alder in understory. Possibly do some harvesting in the southern portions of the stand in 10 years. Cut in the past? Remnants of old stumps.
27	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	18.6	48	Unspecified	Q3/Q4 with white birch, balsam poplar, spruce, tag alder and some cedar. Fairly wet. Stand has a lot of small diameter trees but areas have pole size timber as well. Drainage through the southern portion of the stand.
28	4136 - Aspen, Mixed Conifer	Sawtimber Well	4.4	81	81-110	Small stand of aspen along Co Rd 393. Narrow strip along the west side of the road. Pockets of mature and overmature aspen. Mature aspen showing mortality and decline, creating hazard trees along the county road. Mainly quaking aspen, with some balsam poplar. Larger aspen is 6-7 sticks tall. Smaller diameter aspen, 5 sticks, 8-9 inch diameter. More balsam poplar and spruce in the northern end.
31	4130 - Aspen	Sawtimber Well	17.3	65	111-140	Stand is mainly higher ground with low ground. Large diameter quaking aspen clones and runs with pole size quaking aspen, pockets of balsam poplar. A lot of mature aspen. Showing signs of mortality in larger aspen. Most of the aspen is good quality. Most of the stand is a "A" type with some "P" type patches. Road access from stand 30 and through stand into stand 26. Included a portion of stand 26 into this stand that has mature aspen, maple and balsam. Treat as one stand.
34	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	60.3	86	81-110	Mixed lowland stand. Cedar, spruce, balsam, red maple, aspen, balsam poplar. Some areas with black ash. Some pockets of thicker cedar. Lots of variability throughout the stand. Good spruce component throughout.
36	4139 - Aspen, Mixed Deciduous	Sapling Well	21.4	7	Immature	Stand harvested via final harvest as sale #039-10-01, Compartment 129 Conversion. Completed 04/30/2012. Stand is regenerating to mainly quaking aspen, red maple stump sprouts, some balsam, minor components of beech and spruce. Aspen is 10-20 feet tall, red maple is 5-10 ft tall. Scattered residual balsam. A3/M3. Some open areas. No deer activity (2018)
37	4112 - Maple, Beech, Cherry Association	Sawtimber Well	12.3	91	81-110	Thinned as part of sale #018-01-01, "West Borgstrom Mix". All aspen, spruce and balsam were removed from the stand. Good red maple regeneration, stump sprouts. Some cherry and sugar maple regeneration as well.
38	4112 - Maple, Beech, Cherry Association	Sapling Well	8.5	33	Immature	M3 - mainly cherry and red maple, some aspen. 20-30 ft tall, fairly thick. Stand was cut in 1986 as a habitat cut.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	4112 - Maple, Beech, Cherry Association	Poletimber Well	16.8	91	51-80	Thinned as "West Borgstrom Mix (018-01-01). Residual avg 70 sq ft. Some top dieback and maple borer damage. Open areas where aspen was removed. Lower quality, red maple with sugar maple. Lots of forked trees. Regeneration of maple, ironwood, cherry and aspen all 10-20 ft tall. Some balsam in the understory. Deer browsing.
40	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	13.0	88	111-140	Lowland stand of cedar, spruce, balsam, red maple and some yellow birch and black ash. Good component of cedar.
41	6112 - Lowland Aspen	Sapling Well	15.8	14	Immature	Clearcut as sale #018-01-01. Good aspen and balsam poplar regeneration, 10-15ft tall avg. Residual cedar and balsam. Red maple stump sprouts are heavily browsed.
42	4113 - R.Maple, Conifer	Sawtimber Well	38.7	91	111-140	Stand is highly variable in both BA and species composition. Mainly a medium quality red maple stand with a hard maple component. Yellow birch, spruce and balsam along with some cedar and hemlock. Pockets of aspen. Much of the red maple is overmature. Lower BA areas have good M3 regeneration (M, bal, WB, Sp, Ash). Pockets of thick F3. Best quality is in the 8-10 inch red maple. Millecoquins silt loam soil.
43	6112 - Lowland Aspen	Poletimber Well	17.5	41	1-50	Mostly aspen, white birch, red maple, and balsam poplar regen. Pockets of spruce and balsam. A few areas of P4. Cut in 1978 (#005-78). Northern portion of the stand was sale #001-84, complete 4/9/1984 (old stand 84). Transitioning from a sapling stand to a pole stand.
44	6120 - Lowland Cedar	Sawtimber Well	69.4	100	201+	Cedar stand (C6/C9) with good components of WB, Red maple, Balsam poplar and balsam. Diameters in the cedar range from 8-9 inches to 12-14 inches. Mainly a C6 with runs of C9. Pockets of C4/C3 and C5/Q5. No deer activity this winter.
45	4139 - Aspen, Mixed Deciduous	Sapling Well	26.6	23	Immature	Young aspen, upland with lowland component. Cut 1993-1996, sale #027-90-01. Aspen regeneration 25-35 ft tall. Cedar residual was left after the harvest of which most of it has blown down.
46	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.5	91	81-110	Thinned in 2005 as sale #018-01-01. Maple and cherry regeneration from 15-25 ft tall. Maple stump sprouts. Residual BA is roughly 90-100. Hemlock and cedar were retained when stand was cut, mainly in the south half of the stand.
47	4112 - Maple, Beech, Cherry Association	Sawtimber Well	5.8	91	111-140	Mainly low quality red maple with some hard maple and yellow birch. Some balsam and cedar. Stand is low in areas. Large diameters. Low quality. Lots of large diameter pulp. Fair amount of 2-3 inch diameter maple 35 ft tall.
50	6120 - Lowland Cedar	Sawtimber Well	9.9	93	111-140	The stand was originally typed as a P6 (1999). Dominant stand however is the cedar. Balsam poplar is dying out, aspen is in bad shape. High BA of cedar. Stand is actually more of a cedar stand than a "P".



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
51	4130 - Aspen	Poletimber Well	37.2	41	1-50	Young aspen stand. Larger stand created from numerous smaller cuts in the past ranging from 2-8 acres. Cuts were from 1977-1984. Pockets of A3/A4 and pockets of A5/A6. Understory of balsam. A few Balsam in the canopy. Edges with white birch and some spruce. Scattered larger diameter aspen in the 10-12 in dbh range.
52	6117 - Lowland Deciduous, Mixed Coniferous	Sapling Well	5.9	50	1-50	Very mixed stand of young white birch, spruce, balsam, aspen, balsam poplar, red maple. Lower ground. A3/A5 along the stand edges.
53	6112 - Lowland Aspen	Sapling Well	59.9	15	Immature	Cut as "Borgstrom Road Aspen" (16-01-01). Stand is regenerating to a P3/E3. Lots of balsam poplar regeneration and red maple stump sprouts. Fair amount of aspen regen also. Residual cedar, hemlock and white pine.
54	6139 - Mixed Lowland Forest	Sapling Well	34.6	50	1-50	Very mixed stand of young white birch, spruce, balsam, aspen, balsam poplar, red maple. Lower ground. A3 along the stand edges.
55	6112 - Lowland Aspen	Sapling Well	59.1	14	Immature	Stand cut as sale #16-01-01. Completed 5/9/05. Nice balsam poplar regeneration 15 ft tall average. Good amount of red maple stump sprouts, especially in the W1/2 of the stand. Scattered residual cedar and small white birch.
57	6116 - Lowland Birch	Poletimber Well	13.2	81	111-140	Primarily white birch with red maple, cedar and some spruce. Occasional balsam poplar. Oversized red maple showing mortality and decline. Some rot and dead tops in the white birch. Refer to inventory data sheets from 2008 for species, etc. Difficult access - possible through prescribed stands to the south. Stands to the south were set up as a sale last entry year. Add this stand to the sale if access is found.
58	6120 - Lowland Cedar	Poletimber Well	24.3	69	1-50	Young cedar, short heights. C3/C4. Harvested in the past. Cut shows up on the 1953 photos.
59	4119 - Mixed Northern Hardwoods	Poletimber Well	25.8	91	111-140	Stand was set up for sale last entry year but not harvested. Continue with the prescription from last entry year. 2008 notes: Red maple ridge with white birch. More white birch along the edges and in the northern end. Scattered hemlock. Moderate quality in most of the red maple. Best quality is in the SW. Areas with some hemlock regen. Prescribe stand for a thinning. Slopes in the stand may make harvesting difficult. Reduce BA to 70 sq ft on avg. Keep BA higher (80) in better quality areas and lower BA in areas of lesser quality. In areas of white birch reduce the BA to allow for white birch regeneration. Management objective of northern hardwoods.  (2015) - Stand was part of Tsale# 420231001 - Compartment 129 Mix. Stand was not treated. Logger did not complete the sale and it was closed on 2/25/2016.





	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4119 - Mixed Northern Hardwoods	Poletimber Well	20.3	91	111-140	<p>Stand was set up for sale last entry year but not harvested. Continue with the prescription from last entry year. 2008 notes: Lower quality WB and RM. Pockets of H6/H9 through the middle of the stand. Some lowland pockets of cedar. Scattered aspen. Lots of decline in the white birch. Much of the red maple is small diameter, low quality. Some nice large diamate white spruce. Prescribe for treatment. Clearcut with reserves. Leave the lowland cedar pockets and hemlock patches. Management objective of northern hardwoods and will have a mixture of conifer regeneration also.</p> <p>2015- Stand was part of Tsale 420231001 - Compartment 129 Mix. Stand was not treated. Logger did not complete the sale and it was closed on 2/25/2016.</p>
61	4119 - Mixed Northern Hardwoods	Poletimber Well	9.7	91	111-140	<p>Stand was set up for sale last entry year but not harvested. Continue with the prescription from last entry year. 2008 notes: Red maple ridge with a white birch component. Moderate quality in the red maple. Some hemlock and spruce. Stand boundary would be at the lower ground. F3 understory throughout. Prescribe for treatment. Shelterwood harvest to promote red maple regen. Residual BA to avg 50-60 sq ft. Maintain a WB component and leave all hemlock as residual. Management objective of northern hardwoods.</p> <p>2015- Stand was part of Tsale 420231001 - Compartment 129 Mix. Stand was not treated. Logger did not complete the sale and it was closed on 2/25/2016.</p>
62	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	7.0	121	111-140	<p>Large diameter white pine with lower quality red maple, aspen and white birch. Thick balsam. Paquin-Spot soil complex. Hold stand for 10 years.</p>
63	6139 - Mixed Lowland Forest	Poletimber Well	29.3	87	51-80	<p>Mostly lowland aspen and birch. Higher areas (W side) more of an A6. Mainly small diameters, shorter heights in areas. Runs of better timber. Scattered large dbh WP. Stand is wetter along the east side. Hendrie Muck Peat soil</p>
64	6120 - Lowland Cedar	Sawtimber Well	15.6	98	171-200	<p>Mainly cedar with red maple, white birch, hemlock. Pockets of a Q type.</p>
65	6112 - Lowland Aspen	Sapling Well	171.9	17	Immature	<p>Stand cut as sale #024-96-01. Mostly a P3 with A3 on higher ground. Open areas of a P2. Best regeneration is along slightly higher "ridges". Residual cedar pockets and scattered cedar throughout. NE portion of stand has a lot of residual white pine. Spot-Finch soil complex.</p>
66	6122 - Black Spruce	Poletimber Well	20.5	87	81-110	<p>Small diameter black spruce with cedar and some aspen. Some white pine and tamarack. Pockets of aspen and maple on the E and W ends. Hold the stand for 10 years for age class diversity unless spruce budworm hits the stand. If this happens, then harvest this entry year. Merged with old stand 67 so some open areas within the new stand boundary, wet.</p>
68	4130 - Aspen	Sapling Well	26.8	16	Immature	<p>Cut as sale #024-96-01. Nice aspen regeneration 10-15 ft tall. Mainly quaking aspen with good component of red maple and balsam, white birch. Edges and lower ground are more of a P3. East side had cedar residual - now 90% blown down. Spot-Finch soil complex</p>



	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
69	6122 - Black Spruce	Poletimber Well	8.4	81	141-170	Small acreage black spruce stand. Black spruce with tamarack and some aspen and white birch. Hold for 10 years for diversity and also to help avoid drawing deer across Co Rd 393 with cutting west of the road (WLD request).
70	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	9.3	76	141-170	Ridge of white birch with WP, balsam, spruce and red maple. Some cedar. White birch showing some decline. Pockets of aspen (north end). Red maple is in good shape - medium quality. Hold the stand for 10 years for diversity and also per request of WLD to help avoid deer movement across Co Rd 393 with cutting prescribed west of the road.
71	4191 - Mixed Upland Deciduous with Conifer	Poletimber Well	3.8	51	1-50	M3/F3. Red maple, white birch, balsam and some aspen. Red maple clumps. Balsam 15-25 ft tall, red maple and white birch 25-30 ft tall. Some trees transitioning into the pole size class. Old deer food cutting. Spot-Finch soil complex
72	6120 - Lowland Cedar	Poletimber Well	35.9	80	111-140	Small diameter cedar and black spruce with some tamarack and white birch. Balsam and balsam poplar. Thick stand, high BA. Diameters range from 6-7 inches to areas with 8-9 inches. C3 understory throughout. Pockets of solid spruce. Areas with a half and half mix of spruce and cedar.
74	6120 - Lowland Cedar	Poletimber Well	9.3	98	171-200	Cedar with components of balsam, white birch, aspen and red maple. Some white pine. Open in a few areas. No deer activity.
75	4130 - Aspen	Poletimber Poor	18.2	36	1-50	Young aspen stand, primarily quaking aspen with some big tooth aspen. Diameter ranges from 3 inches to about 7 inches on average. Some balsam and spruce in the overstory, but mainly in the sub canopy. Pockets of A4/A5. Good spruce and balsam component. Cut as sale #007-82-02. Paquin-Spot soil complex.
76	4130 - Aspen	Poletimber Well	44.9	33	1-50	Young aspen with good component of WB, red maple and cherry. Lots of balsam pockets. Scattered juneberry. Scattered mature aspen and hardwoods. Stand is transitioning from sapling to pole size.
77	4130 - Aspen	Sapling Medium	6.9	7	1-50	(2015) - Stand was treated with TSale#420231001 - Compartment 129 Mix. TCR 2/25/16. Young aspen regeneration with a component of maple, spruce and cherry. some 2-4 inch balsam. A few large white spruce.
78	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	8.4	98	81-110	Wet cedar swamp stand buffering the East Branch Sage River. Lots of blow down and dead trees. A diverse composition within the stand. Spot-Finch soil complex.
80	4130 - Aspen	Sapling Medium	9.8	7	Immature	(2015) - Stand was treated in with TSale # 420231001 - Compartment 129 Mix. TCR 2/25/16. Aspen regeneration with some white birch and cherry. White birch poles retained as residual after the harvest and a few few large spruce and mature aspen along the stand edge. Spot-Finch soil complex





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
82	4134 - Aspen, Spruce/Fir	Sawtimber Well	9.5	88	111-140	Large diameter aspen and white birch with balsam, spruce and maple. Stand gets slightly lower closer to the river with some cedar mixed in. Lots of aspen and WB 12+ inch dbh. Some decline in the aspen. Spot-Finch soil complex.
84	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	12.3	94	111-140	Stand has high variability in species throughout. Cedar, red maple, hemlock, spruce, balsam, white birch, aspen, ash. Q5/Q6 - throughout most of the stand. Patches of higher ground (E5/E6). Pockets of a Q6 mix. Understory of balsam, red maple, ash and spruce. Overall the stand is a lowland stand, with some upland areas of a mix of deciduous and conifer. Some areas are very wet. A portion of the original stand 26.
86	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	2.5	94	51-80	Stand has high variability in species throughout. Cedar, red maple, hemlock, spruce, balsam, white birch, aspen, ash. Q5/Q6 - throughout most of the stand. Patches of higher ground (E5/E6). Pockets of a Q6 mix. Understory of balsam, red maple, ash and spruce. Overall the stand is a lowland stand, with some upland areas of a mix of deciduous and conifer. Some areas are very wet. A portion of the original stand 26.
87	4319 - Mixed Upland Forest	Sawtimber Well	27.3	94	111-140	Low quality, multiple stem red maple with components of spruce, balsam, hemlock, aspen, white birch and cedar. Trace of cherry. Mortality and decline in maple, decline in some hemlock. Aspen is mature and scattered. Hemlock is in small patches, 6-12 trees. Sub canopy of balsam, spruce and maple. Cedar is mainly individual trees, not clumps. Slightly higher ground than the lowland conifer stands in the area. This stand was originally part of stand 26, but delineated out due to higher ground and more maple component.



Stand	Cover Type	Acres	Managed Site	General Comments:
1	6229 - Mixed lowland shrub	83.1	No	OPIC - FMD: Lowland brush along the East Branch Sage River
5	6224 - Treed Bog	8.8	No	
15	622 - Lowland Shrub	13.2	No	lowland brush and dead cedar due to flooding caused by beaver activity. Dorval muck soil
19	122 - Road/Parking Lot	15.2	No	County Road 393 and adjacent ROW
22	6239 - Mixed Emergent Wetland	32.4	No	Lowland area buffering Third Creek. Some "L0" but mostly a marsh type. Dorval muck soil
29	623 - Emergent Wetland	5.6	No	
30	500 - Water	4.2	No	small beaver pond.
33	623 - Emergent Wetland	46.3	No	lowland with a lot of beaver activity. marshy areas, small creek/drainage and lowland brush.
48	623 - Emergent Wetland	3.7	No	Open, beaver activity. Marsh grasses and some up-rooted cedar.
49	623 - Emergent Wetland	3.0	No	Open, marsh grasses, up-rooted cedar
56	622 - Lowland Shrub	1.2	No	OPIC - FMD: lowland stand ranging from cedar to "L0" buffereing the East Branch Sage River. Northern end of the stand is more of a lowland brush type with scattered timber. Beaver activity. More cedar and black ash in the southern end of the stand. Spot-Finch soil complex.
79	6229 - Mixed lowland shrub	1.5	No	north end of small beaver flooding
83	622 - Lowland Shrub	14.2	No	
89	3102 - Grass	0.6	No	
90	3102 - Grass	7.2	No	
91	3102 - Grass	18.2	No	grass opening with spruce and balsam edge. Black chery throughout