



Compartment Review Presentation

Newberry Forest Management Unit

Compartment 42073

Entry Year 2022

Acreage: 3,425

County Chippewa

Management Area: Tahquamenon Basin Wetlands

Revision Date: 2020-08-10

Stand Examiner: Jason Tokar

Legal Description:

T45N R7W Sections 4, 5, 7-9, & 16-18

Identified Planning Goals:

Timber and wildlife habitat are equally important management goals within the compartment. Ensure the sustainability of the forest resource, improve the quality of the wildlife habitat, and enhance the forest health and productivity of the area. Maintain and/or improve the integrity of the Deer Wintering Complex (DWC). Timber management follows the guidelines set in the DWC plan to ensure both proper cover and food resources for wintering deer.

Soil and topography:

The compartment consists primarily of lowland soil and cover types. The major soil type(s) associated with the lowland areas is Markey and Carbondale Mucks. Cover types supported on these muck soils include cedar, lowland swamp conifer, tamarack, and lowland black spruce. Narrow ridges of red pine and white pine are found throughout these cover types (Rubicon sand ridges). The main upland soil type is Pickford silt loam, on which aspen and upland spruce/fir are found. Other soil types located within the compartment are Kinross-Au Gres complex, Rousseau fine sand, and a small amount of Croswell sand. The topography is predominantly level ground throughout the compartment.

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

The compartment is comprised of 2 large blocks of State Land separated by a strip of private property. The compartment is bordered by a mix of State land and private property on all sides. Development with the compartment and surrounding area is limited to a number of hunting camps. The Canadian National Railroad runs diagonally through the compartment. Land Use in this area is primarily hunting, as well as fishing on the Hendrie River. Access and development of this compartment is limited by the lowland nature of the area.

Unique Natural Features:

MNFI lists the occurrence of Fir clubmoss in the compartment. Potential for sweet coltsfoot, Wiegand's sedge, northern prostrate clubmoss, fir clubmoss, English sundew, meadow beauty, round-leaved orchis, black crowberry, yellow pitcher-plant, and paniced screwstem in bogs and open wetlands. Potential for calypso orchis, lapland buttercup, ram's head lady's slipper, round-leaved orchid, and limestone oak fern in cedar swamps. Potential for goshawk, merlin, great blue heron rookery, eagle, and osprey. Potential for moose and wolf. Potential for incurvate emerald, frigga fritillary, freija fritillary, and ebony boghaunter in boggy areas. Potential for black-backed woodpecker and spruce grouse. Potential for wood turtle.

Archeological, Historical, and Cultural Features:

There are no known archeological concerns within the compartment at this time.

Special Management Designations or Considerations:

The compartment includes one special management designation: a Special Conservation Area (SCA) – Deer Wintering Complex (formerly Winter Deer Yard). Management decisions within the DWC are dictated by the promotion and enhancement of the desired characteristics associated with the DWC plan; which dictates acres of certain timber types to be harvested within each Year of Entry to ensure ample cover and food resources for the wintering deer.

Watershed and Fisheries Considerations:

The Hendrie River watershed drains this compartment. The McLeod Ditch is a designated trout stream south of M-28 (upstream) and the Hendrie River is a designated trout stream upstream of the railroad. The Hendrie River within the compartment is not a designated trout stream so standard BMP's should apply.

Wildlife Habitat Considerations:

Compartment 73 lies in southern Luce county in the Seney Sand Lake Plain ecological sub-subsection and the Tahquamenon Area Basin Wetlands Management Area. White-tailed deer, black bear, snowshoe hare and gray jay are featured species. It also lies in the Hulbert-Sage River Deer Wintering Complex which supports high numbers of deer during stressful winter periods. Management of stands in the DWC are guided by the Multi-year Treatment Plan for the

Hulbert-Sage River Deer Wintering Complex. The compartment is dominated by cedar and lowland conifer stands with a few aspen and lowland mixed stands. Several rivers that traverse the compartment and a single white pine ridge provide excellent wildlife travel corridors.

Harvested stands will not remove cedar or hemlock and will preserve pockets of dense cover. Harvests will occur during winter months and chipping will not be allowed to benefit wintering deer. Existing nest and den trees, snags, and woody debris will be maintained in stands where they exist. Species of special interest potentially using this compartment include white-tailed deer, black bear, bobcat, hare, coyote, fox, gray wolves, and ruffed grouse and woodcock.

Mineral Resource and Development Concerns and/or Restrictions

Sections 4-5, 7-9, & 16-18, T45N-R7W, Chippewa County

No known potential exists for commercial oil & gas production in this part of the state, and there is no known potential for metallic minerals in this area. An active sand/gravel pit is in Section 8, just outside the compartment boundary. The pit is located on an upland ridge. While there may be sand & gravel resources within the compartment, most of the compartment consists of low wetlands that could inhibit surface development. No current mineral leasing activity exists in the area. The state does not own all mineral rights within the compartment. Because the mineral estate is the dominant estate, reasonable access to the surface must be provided to private owners if they choose to explore or develop their mineral rights.

Vehicle Access:

The compartment is 14 miles east of Newberry along both sides of Highway M28, from the Luce/Chippewa County line to the west end of the Basnau Road. The Basnau Road (a maintained gravel County Road) runs through the eastern third of the compartment. South Hendrie River Road, a dirt state forest road, runs north of M-28 into Sections 5 and 8. Access into the southwestern portion of the compartment is via seasonal forest roads across private land. Much of the compartment is accessible only by foot due to thick lowland timber types. The Canadian National Railroad also runs NW/SE through the middle of the compartment.

Survey Needs:

Survey work needed to accomplish prescribed treatments includes; corners in the NE1/4 and SE1/4 of Section 7, the center of Section 8, as well as the S1/16 of Section 8.

Recreational Facilities and Opportunities:

There are no designated recreational facilities within the compartment. Recreational opportunities would include primarily hunting (deer, bear and grouse), ORV riding, snowmobiling, and wildlife viewing. The Basnau Road is a known location for "birders" to view various species of song birds migrating through the area.

Fire Protection:

Large fire growth potential for this compartment is low because it contains mostly lowland cover types and reduces the risk to private properties to moderate. Modified suppression tactics may be needed to suppress fires in this compartment because of the inoperability of heavy equipment in the lowland types.

Additional Compartment Information:

The following reports from the Inventory are attached:

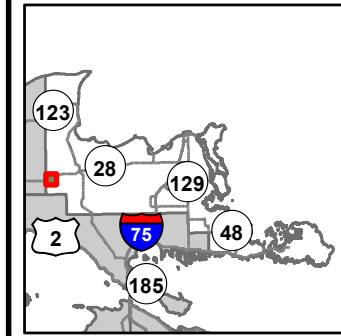
- Total Acres by Cover Type and Age Class**
- Cover Type by Harvest Method**
- Proposed Treatments – No Limiting Factors**
- Proposed Treatments – With Limiting Factors**
- Stand Details (Forested and Nonforested)**
- Dedicated and Proposed Special Conservation Areas**
- Site Condition Details**

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

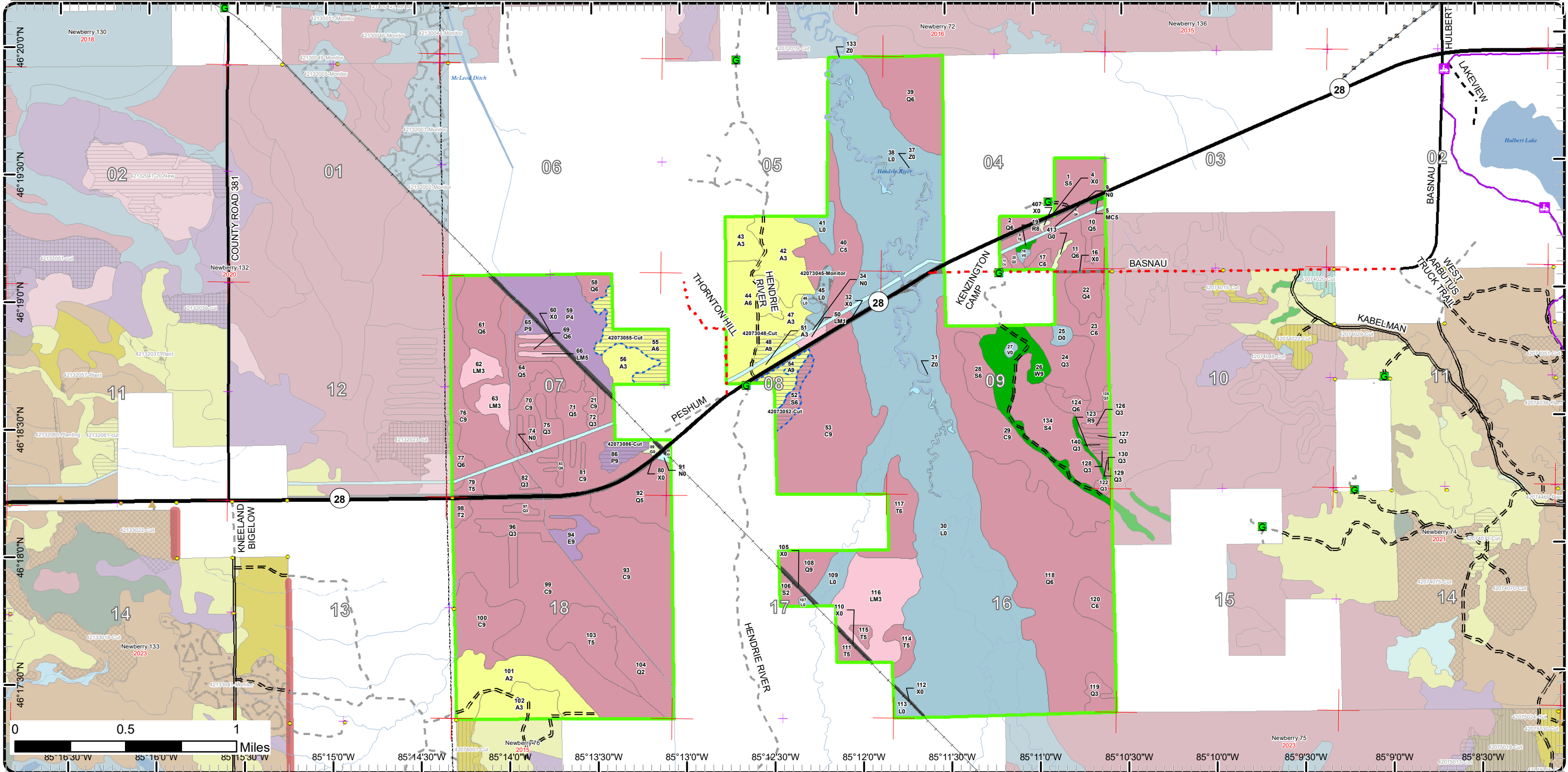
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatments Map

Compartment: 73
 T45N, R07W, Sec. 4, 5, 7-9, 16-18
 County: Chippewa
 Unit: Newberry
 Mgmt Area: Tahquamenon Basin Wetlands
 YOE: 2022
 Acres: 3425 GIS Calculated
 Examiner: Jason Tokar
 Map Revised: 1/25/2021
 Map Phase: Post-Review

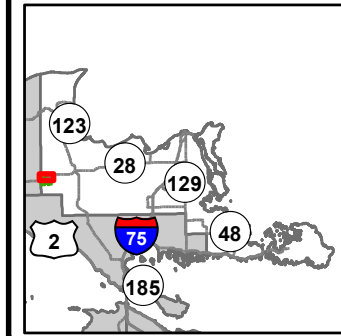


- Miris Corners
- + Remonumented Section Corners
- Survey Grade Corners
- Counties
- DNR - Forest Access Route
- Federal / State Highway
- County - Gravel Road
- Private - Dirt / Gravel Road
- Active Railroads
- G Gate
- Perennial River
- Lakes and Rivers
- Compartment Boundary
- Treatments with Site Conditions
- Clearcut (w/Reserves)
- Regeneration Survey
- 413 - Aspen
- 422 - Natural Pines
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest
- 122 - Roads/Parking Lot
- 123 - Other High Intensity Urban
- 310 - Herbaceous Openland
- 500 - Water
- 622 - Lowland Shrub
- 623 - Emergent Wetland
- 790 - Other Bare/Sparsely Vegetated

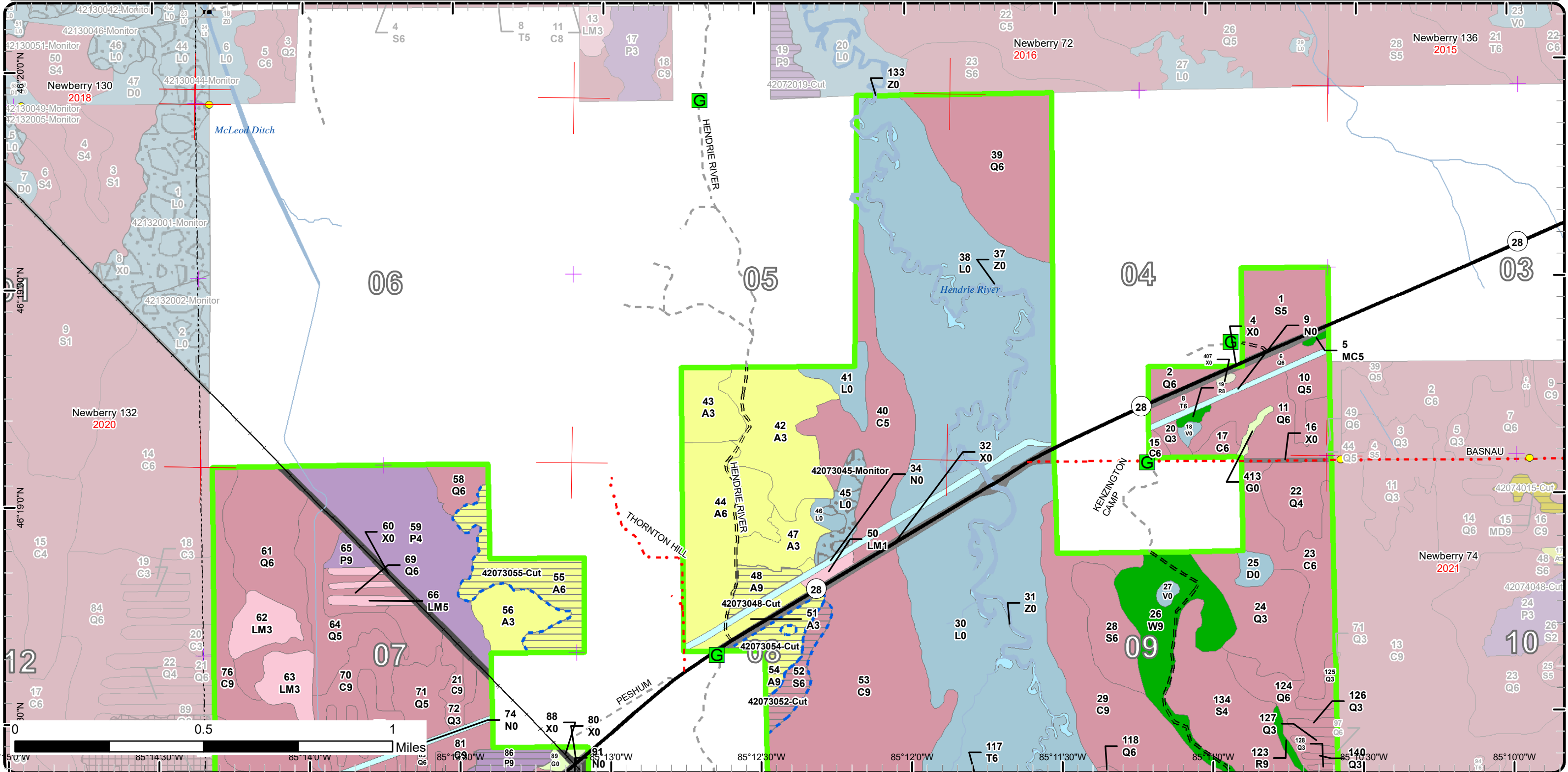


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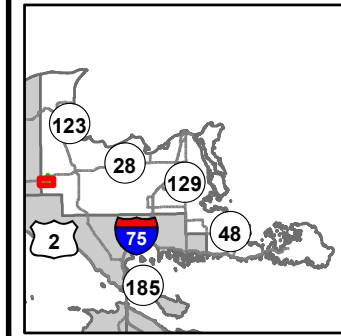


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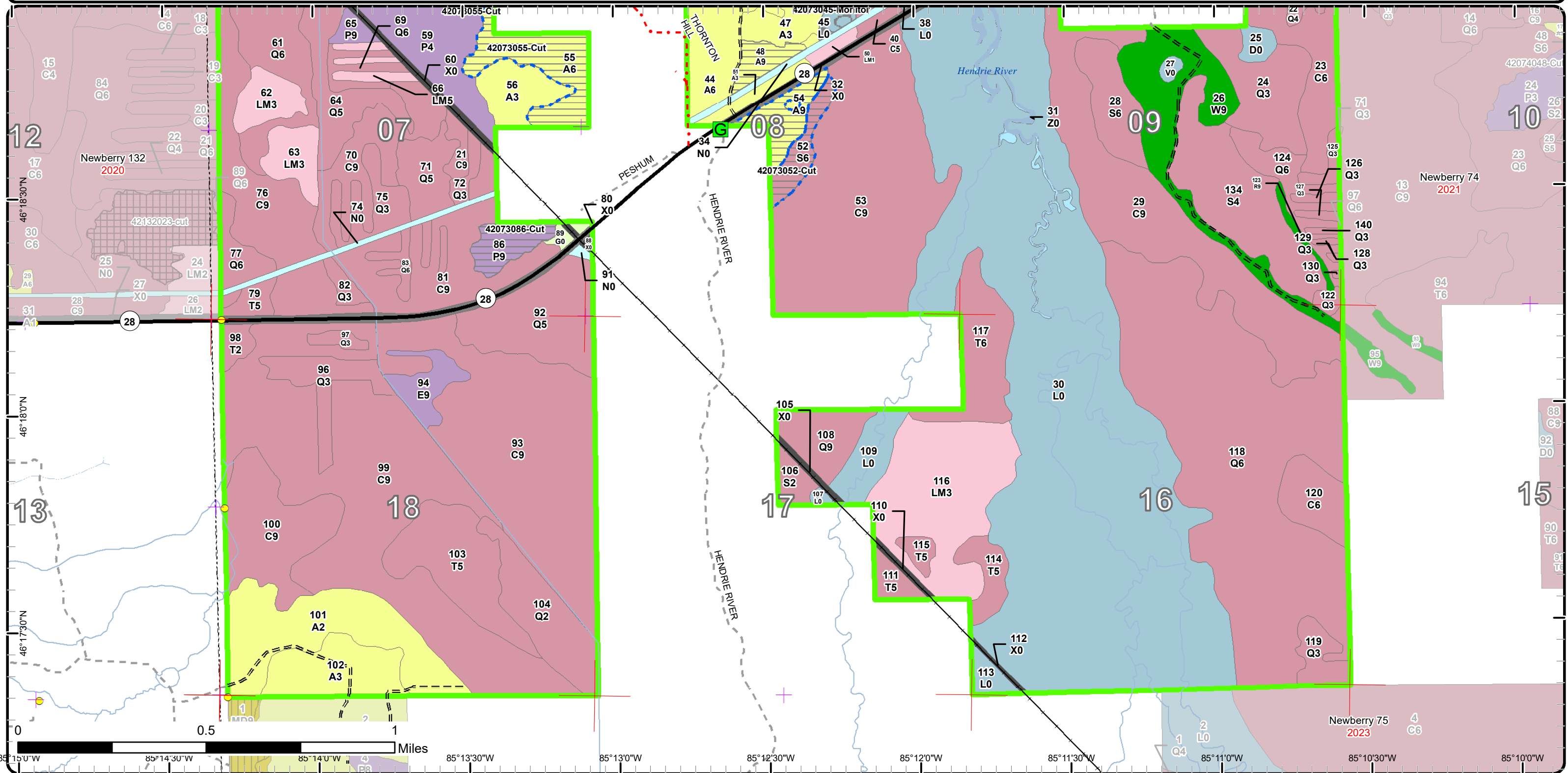


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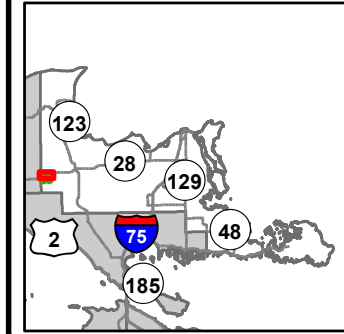


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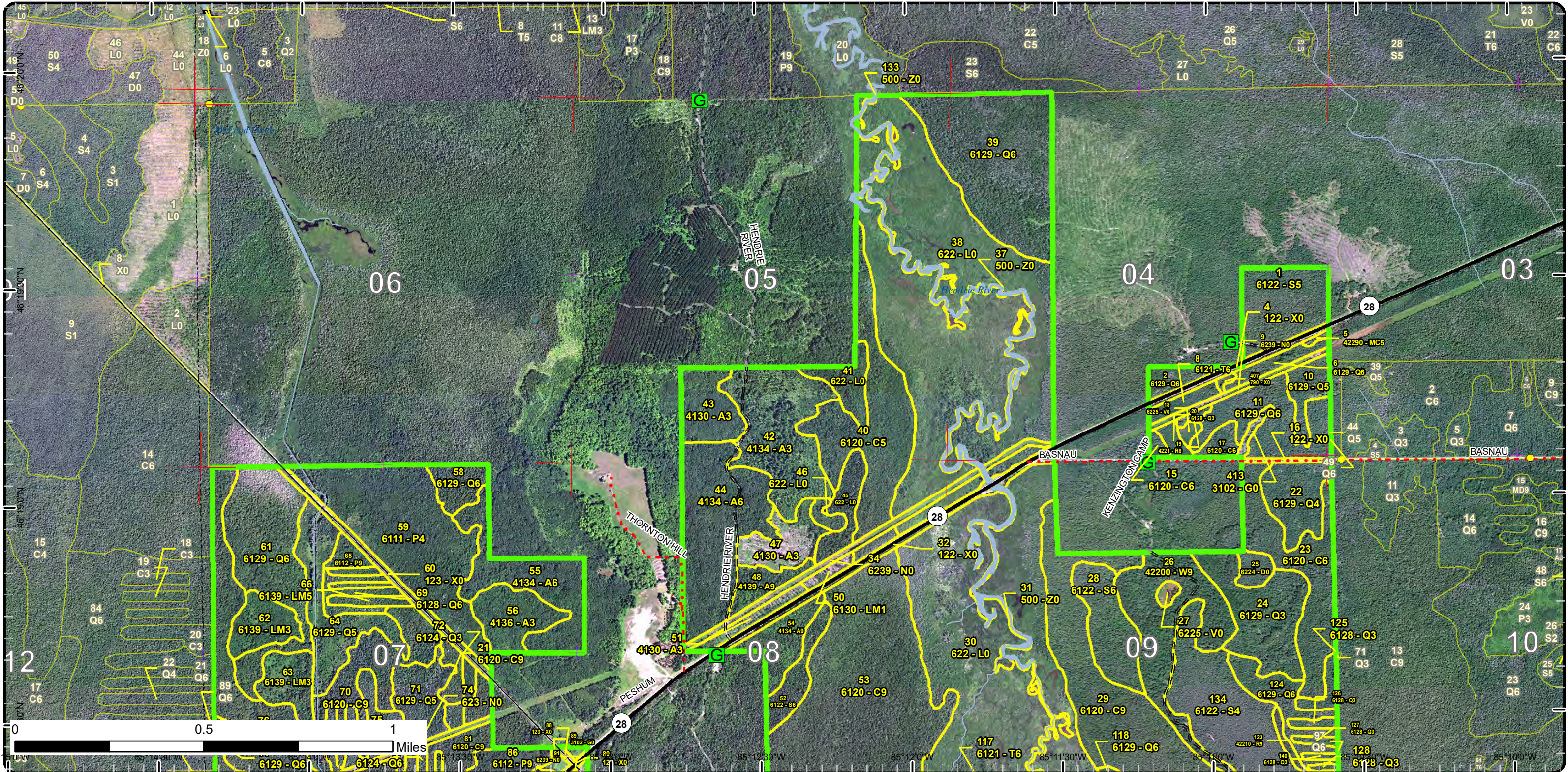


Stand Boundary Map

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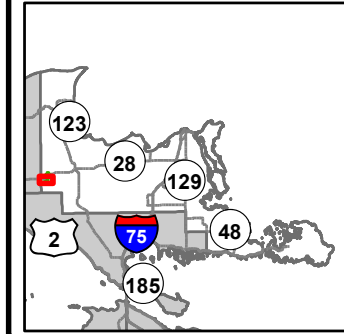


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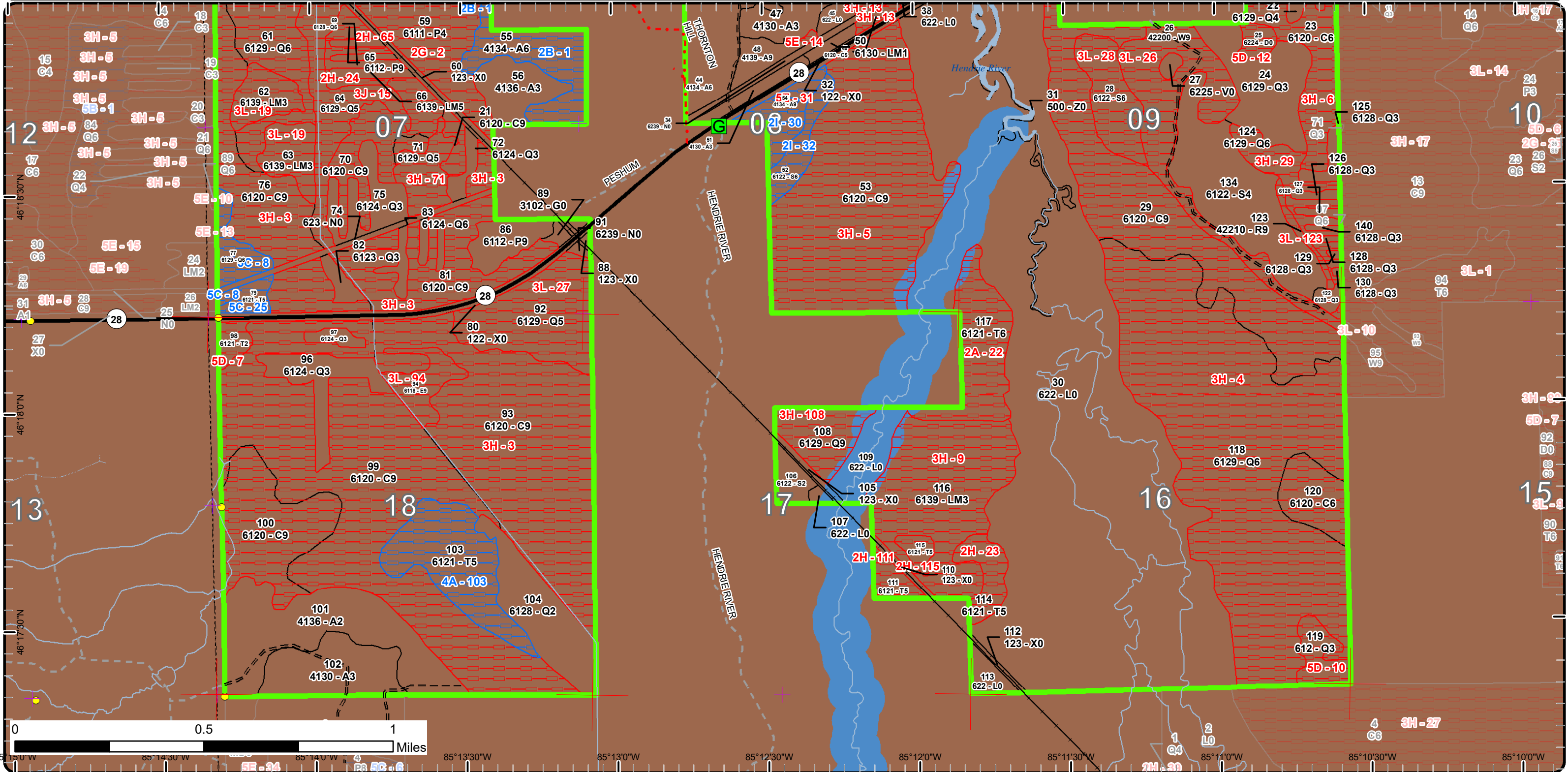


Special Conservation Areas

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- Compartment Boundary
- Available w/ Constraints
- Unavailable
- 2I: Survey needed
- 4A: No Markets Available for these Forest Products
- 5C: Delay treatment for age/size class diversity or exceptional site quality
- 2A: Adjacent landowner denied access
- 2G: Too wet (sensitive soils, does not include access issues)
- 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)
- 3J: Water quality / BMPs (stream, river, or lake)
- 3L: Other wildlife concerns
- 5D: Unproductive Forest Land
- 5E: Long-Term Retention
- Stand Boundaries
- Cold Water Streams
- High Priority Trout Stream Buffer
- Deer Winter Range



0 0.5 1 Miles

Report 1 – Total Acres by Cover Type and Age Class

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment 73 Year of Entry 2022



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	85	65	50	0	90	23	0	0	0	0	0	0	0	0	0	0	0	313
Bare/Sparsely Vegetated	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Bog	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Cedar	0	0	0	0	0	0	0	0	0	0	545	190	65	131	0	0	0	0	931
Herbaceous Openland	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Aspen/Balsam Poplar	0	0	0	0	0	13	0	0	72	4	0	0	0	0	0	0	0	0	89
Lowland Conifers	0	0	34	0	17	122	10	0	37	65	335	50	0	0	74	20	0	0	763
Lowland Deciduous	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0	0	14
Lowland Mixed Forest	0	3	0	0	28	78	7	0	0	0	0	0	0	0	0	0	0	0	116
Lowland Shrub	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	776
Lowland Spruce/Fir	0	0	0	0	0	0	7	0	58	40	0	23	0	0	0	0	0	0	128
Marsh	25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25
Natural Mixed Pines	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Red Pine	0	0	0	0	0	0	0	0	0	0	0	1	0	4	0	0	0	0	5
Tamarack	0	0	0	0	5	0	5	0	6	0	58	44	0	0	0	0	0	0	118
Treed Bog	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Urban	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Water	24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	24
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	52	0	0	0	0	0	52
Total	896	88	99	50	51	303	52	0	173	109	952	308	117	135	74	20	0	0	3426



Report 2 – Treatment Summary

Newberry Mgt. Unit
Year of Entry: 2022

Acres of Harvest

Compartment 73
Total Compartment Acres: 3,425

Commercial Harvest - 21
 Harvests with Site Condition - 60
 Next Step Harvest - 0
 Habitat Cut - 0

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	57	0	0	0	0	0	0	0	0	57
Lowland Aspen/Balsam Poplar	13	0	0	0	0	0	0	0	0	13
Lowland Spruce/Fir	11	0	0	0	0	0	0	0	0	11
Total	81	0	0	0	0	0	0	0	0	81

Proposed and Next Step Treatments by Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	81	0	0	0	0	0	11	0	0	92
Next Step	0	0	0	0	0	0	81	0	0	81
Total	81	0	0	0	0	0	92	0	0	173



Stand	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
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Approved Treatments:

45	42073045-Monitor	11.3	622 - Lowland Shrub	Nonstocked	0	Unspecified	Monitoring	Natural Regen (Re-Inventory)	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Stand was just harvested winter of 2019-2020. Check for adequate regeneration during next inventory cycle.</p> <p><u>Specs:</u></p> <p><u>Next Step</u></p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Mix of lowland conifers with maple and aspen</p> <p><u>Regen:</u></p> <p><u>Other</u> Percent to Treat = 100%</p> <p><u>Comment:</u></p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2029</p>											
48	42073048-Cut	8.2	4139 - Aspen, Mixed Deciduous	Sawtimber Well	54	141-170	Harvest	Clearcut	413 - Aspen	Even-Aged	No
<p><u>Prescription</u> Clearcut. No retention, less than 10 acres. Cut all trees, including conifers, down to 2 inch dbh due to the amount of 2-5 inch balsam and spruce present in stand. Leave 3-5 large diameter conifer (spruce or balsam). No chipping, winter harvest to benefit wintering deer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Aspen with northern hardwoods and component of conifers present prior to harvest.</p> <p><u>Regen:</u></p> <p><u>Other</u> Extend the harvest time to begin Oct 1 to allow for some upland harvesting in late fall. Try to promote harvesting prior to deer migration</p> <p><u>Comment:</u> (WLD request)</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											
52	42073052-Cut	11.4	6122 - Black Spruce	Poletimber Well	86	111-140	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	No
<p><u>Prescription</u> Clearcut with retention. Leave all cedar, minor component. Leave sub-merchantable spruce No chipping, winter harvest to benefit wintering deer.</p> <p><u>Specs:</u></p> <p><u>Next Step</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Treatments:</u></p> <p><u>Acceptable</u> Lowland conifer species with mixed deciduous.</p> <p><u>Regen:</u></p> <p><u>Other</u> This stand should be harvested now due to bulding access approach to the highway. Cut this time while in cutting the adjacent aspen stand.</p> <p><u>Comment:</u> Extend the harvest time to Oct 1 to allow for some upland harvesting in late fall. Try to promote harvesting prior to deer migration (WLD request)</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>											

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Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Habitat Cut
54 42073054-Cut	14.0	4134 - Aspen, Spruce/Fir	Sawtimber Well	54	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with retention. Cut all trees, including conifer, down to 2 inches dbh to promote aspen regeneration. Leave all cedar unless needed for maneuverability. Patch retention only, Retention 3%, small low pocket in the stand makes for a good retention area. Retain mature aspen along this lowland edge as part of the retention pocket. Leave the large diameter white pine (minor component). Leave spruce as the Payment Unit boundary line with stand 52 - do not cut PU boundary trees. No other individual tree retention. Keep retention and individual trees at least 50 ft from the maintained highway ROW. No chipping, winter harvest to benefit wintering deer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen with a component of all species present prior to harvest.</p> <p><u>Other Comment:</u> Access/approach to M-28 should be on high ground just east of the old winter road (low swale). Extend the harvest time to Oct 1 to allow for some upland harvesting in late fall. Try to promote harvesting prior to deer migration (WLD request)</p> <p><u>Site Condition</u> Survey Needed</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
55 42073055-Cut	34.4	4134 - Aspen, Spruce/Fir	Poletimber Well	47	81-110	Harvest	Clearcut with Retention	413 - Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with retention. Cut all trees, including conifer, down to 2 inch dbh to promote better aspen regeneration. Leave all cedar unless needed for maneuverability. Retention of 5% in patches. Retention patches to include areas with conifer (cedar if present). No chipping, winter harvest to benefit wintering deer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen and a mix of all species present prior to harvest.</p> <p><u>Other Comment:</u> Stand/treatment boundary drawn to include old stand 57. Extend the harvest time to Oct 1 to allow for some upland harvesting in late fall. Harvest acres may change due to low ground delineation when doing sale prep work.</p> <p><u>Site Condition</u> Unknown Access</p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										
86 42073086-Cut	12.9	6112 - Lowland Aspen	Sawtimber Well	41	81-110	Harvest	Clearcut with Retention	6112 - Lowland Aspen	Even-Aged	No
<p><u>Prescription Specs:</u> Clearcut with retention. Cut all trees, including conifer down to 2 inches due to thick balsam understory. Leave all cedar (minor component). unless needed for maneuverability. Retention to be on the north boundary where the old cut is still regenerating with small diameter white birch, balsam, aspen and spruce. Retention not to exceed 5% of stand acreage. No chipping, winter harvest to benefit wintering deer.</p> <p><u>Next Step Treatments:</u> Monitoring, Natural Regen (Re-Inventory)</p> <p><u>Acceptable Regen:</u> Aspen with a component of all species currently on site.</p> <p><u>Other Comment:</u> Extend the harvest time to Oct 1 to allow for some upland harvesting in late fall. Try to promote harvesting prior to deer migration (WLD request)</p> <p><u>Site Condition</u></p> <p><u>Proposed Start Date:</u> 10/1 /2021</p>										

Total Treatment 92.2
Acreage Proposed:

Report 4 – Site Conditions

Newberry Mgt. Unit
Jason Tokar : Examiner

Compartment: 73
Year of Entry: 2022



Availability for Management

Total Acres	Acres Available	Acres Avail		Acres Not Available	Dominant Site Conditions	Dominant Site Conditions															
		With Condition				2B	2I	4A	5C	2A	2G	2H	3H	3J	3L	5D	5E				
314	264	48		1	Aspen	34	14													1	
1	1	0		0	Bare/Sparsely Vegetated																
3	3	0		0	Bog																
930	0	0		930	Cedar								930								
4	4	0		0	Herbaceous Openland																
89	13	0		76	Lowland Aspen/Balsam Poplar						72	4									
762	158	12		592	Lowland Conifers				12			8	497	30	46	11					
14	0	0		14	Lowland Deciduous										14						
116	10	0		106	Lowland Mixed Forest								78		28						
777	777	0		0	Lowland Shrub								0								
128	65	11		52	Lowland Spruce/Fir		11									52					
25	25	0		0	Marsh																
1	1	0		0	Natural Mixed Pines																
5	1	0		3	Red Pine										3						
118	0	50		68	Tamarack			44	6	35		23	5						5		
5	0	0		5	Treed Bog														5		
57	57	0		0	Urban																
24	24	0		0	Water																
52	0	0		52	White Pine											52					
3,425	1,404	122		1,899	Total Forested Acres	34	25	44	18	35	72	35	1,510	30	194	22				1	
	41%	4%		55%	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	Available	2B: Unknown if access through adjacent landowner(s) is possible	34	Unspecified	Unspecified	Unspecified	Unspecified
Comments: access was gained for cutting in past years through the private land south of the stand. Survey work may be needed.							

Report 4 – Site Conditions

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2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	72	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
3	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	608	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard with some acres on purchased lands.							
4	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	378	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
5	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	155	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
6	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	39	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
7	Unavailable	5D: Unproductive Forest Land	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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8	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
9	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	78	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
10	Unavailable	5D: Unproductive Forest Land	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
11	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	74	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
12	Unavailable	5D: Unproductive Forest Land	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
13	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	57	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							

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14	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
15	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	30	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
16	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
17	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	7	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
18	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
19	Unavailable	3L: Other wildlife concerns	28	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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20	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	5	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Obligate deer yard on purchased lands.							
21	Unavailable	3L: Other wildlife concerns	29	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							
22	Unavailable	2A: Adjacent landowner denied access	35	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
23	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	12	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
24	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	8	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							

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25	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	6	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
26	Unavailable	3L: Other wildlife concerns	52	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							
27	Unavailable	3L: Other wildlife concerns	46	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							
28	Unavailable	3L: Other wildlife concerns	23	2A: Adjacent landowner denied access	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							
29	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	20	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
30	Available	2I: Survey needed	14	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							

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31	Unavailable	5E: Long-Term Retention	1	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
32	Available	2I: Survey needed	11	Unspecified	Unspecified	Unspecified	Unspecified
Comments:							
65	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	3L: Other wildlife concerns	Unspecified	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							
71	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	15	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Unspecified	Unspecified	Unspecified
Comments:							
94	Unavailable	3L: Other wildlife concerns	14	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	2E: Road needed	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							
103	Available	4A: No Markets Available for these Forest Products	44	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
Comments:							

Report 4 – Site Conditions

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108	Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	20	2A: Adjacent landowner denied access	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified
Comments: Obligate deer yard.							
111	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	7	4A: No Markets Available for these Forest Products	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments: Obligate deer yard.							
115	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	4	4A: No Markets Available for these Forest Products	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified
Comments: Obligate deer yard.							
123	Unavailable	3L: Other wildlife concerns	4	2A: Adjacent landowner denied access	Unspecified	Unspecified	Unspecified
Comments: DWC Plan doesn't allow for this stand to be treated at this time							

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
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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

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	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	Managed Site	General Comments																																									
1	6122 - Black Spruce	Poletimber Medium	28.7	86	51-80	N/A	Black spruce with tamarack, balsam and cedar. Stand has areas of higher BA of mature spruce. Cedar is a minor component, mainly closer to the highway. Sub canopy of tag alder and minor components of spruce and cedar. Open areas in stand are more of an S5. Wet, bog ground. 2010 notes: Manage stand for black spruce. Multi aged stand due to past cutting. Harvest stand next YOE. ***2001 notes - Patch cuts for deer food in 60's, 70's and 80's.																																									
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2	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	6.2	81	111-140	N/A	Mix of tamarack, spruce and cedar. West end almost all cedar, rest is tamarack and spruce. Patchy appearance due to old cuts. Open canopy throughout middle. Occasional elm. 2010 notes: No deer activity. Harvest stand next YOE. ***2001 notes - patch cuts for deer food in 60's, 70's, and 80's.																																									
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4	122 - Road/Parking Lot	Nonstocked	6.4		Unspecified	No	Highway M-28 and cleared right of way.																																									
5	42290 - Natural Mixed Pine	Poletimber Medium	0.8	36	1-50	N/A	Small open stand w/red pine along M-28. East end is red pine, west end is white pine and spruce.																																									
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6	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	6.6	77	81-110	N/A	Mixed lowland type with tamarack, black spruce, cedar, balsam and white pine. Sub canopy of balsam, spruce and tag alder and minor component of cedar. Ridge of large diameter white pine within the stand. Q6 stand between M-28 and powerline ROW. Mix of high and low ground.																																									
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8	6121 - Tamarack	Poletimber Well	5.0	51	1-50	N/A	Lowland conifer with thick tag alder and willow sub canopy. Primarily pole size trees are tamarack. All pole timber is roughly 5-6 inch diameter with most of the spruce, tamarack and cedar still sapling size. Along the highway ROW there is elm and white birch.																																									
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9	6239 - Mixed Emergent Wetland	Nonstocked	4.8		Unspecified	No	Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails.																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																					
10	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	9.6	51	1-50	N/A	Old strip and patch cuts done for deer food over a period of 10-20 years. Some small merchantable black spruce and tamarack. Mix of spruce, cedar, white pine, white birch, tag alder. Pockets of S4/S5.																																					
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11	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	29.5	86	51-80	N/A	Mixed lowland conifer stand with pockets of cedar and areas of Q5. West half of the stand is dominated by tamarack with spruce. Open canopy in areas with thick tag alder sub canopy. Q3 understory of balsam, spruce and some cedar. Some large diameter white pine near the north end of stand 413. Stands 12 (2 ac) and 14 (4 ac) were old strip/patch cuts that are now lumped into this stand. Strips were 50 yrs old and same species compisition as surrounding stand.																																					
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15	6120 - Lowland Cedar	Poletimber Well	1.9	103	111-140	N/A	Nice pole size cedar stand. Component of tamrack and black spruce. Small strip cut was lumped into this stand. Difficult to delineate.																																					
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16	122 - Road/Parking Lot	Nonstocked	1.6		Unspecified	No	Basnau Road and cleared ROW.																																					
17	6120 - Lowland Cedar	Poletimber Well	4.6	103	111-140	N/A	Nice pole size cedar stand. Component of tamrack and black spruce. Small strip cut was lumped into this stand. Difficult to delineate.																																					
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18	6225 - Bog	Nonstocked	1.6		Unspecified	No																																						
19	4221 - Natural Red Pine	Sawtimber Medium	1.4	103	1-50	N/A	small ridge of red pine along powerline																																					



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20	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	3.1	44	Unspecified	N/A	Stand cut in 1977 as sale #24-76. Regeneration is spruce, tamarack, white pine, balsam, white birch, balsam poplar and aspen. More aspen and white birch near road. Some cedar regeneration. Q3/P3. Good example of regen to expect if harvest "Q" types in the area.																																															
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21	6120 - Lowland Cedar	Sawtimber Well	4.8	121	201+	N/A	Large diameter, closed canopy cedar stand. Good snow intercept value. Almost "park like" with open sub canopy. Average diameter 10-11 inches ranging from 6 inch to 14 inch. Deer yard. Migration trails.																																															
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22	6129 - Mixed Coniferous Lowland Forest	Poletimber Poor	19.3	42	1-50	N/A	Black spruce and tamarack with scattered cedar and white birch. Few supercanopy white pine. Some spruce and tamarack moving into merchantable size class. Cut records show stand was harvested as sale #32-78. Component of spruce 6-7 inch diameter along with some pole size tamarack and cedar. Component of log size white pine. Regeneration is a mix of spruce and tamarack with some cedar. Cedar regen 5-10 ft tall. Tag alder throughout as well. Old notes state the stand is a combination of old deer food cuts over a period of 10-20 years.																																															
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23	6120 - Lowland Cedar	Poletimber Well	39.3	126	111-140	N/A	Mainly cedar stand with tamarack and black spruce. Areas of stand have a more open canopy. Good amount of cedar regeneration in areas. Stand crosses into Comp 74, stand 13. This portion of the stand has more spruce and tamarack in areas than adjacent comp/stand. Average diameter of the stand is 9-10 inch.																																															
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24	6129 - Mixed Coniferous Lowland Forest	Sapling Well	35.0	43	Unspecified	N/A	Lowland stand with a lot of black spruce regeneration. Also tamarack, white birch, black ash and some cedar. Best spruce is on west side near stand 26 and on edges of upland islands within the stand. Islands/ridges with mature red pine and white pine. Areas of unmerchantable size spruce. Lots of variability to the stand. Cut as sale #38-78. Finished in 1979.																																															
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25	6224 - Treed Bog	Nonstocked	4.9		Unspecified	No																																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																						
26	42200 - Natural White Pine	Sawtimber Well	52.1	116	111-140	N/A	Nice ridge of large diameter white pine. Component of red pine which increases in the southern reaches of the stand. Northern portion of the stand has a very advanced balsam understory. Access is through private property. Stand was prescribed for an RX burn in 2002 YOIE inventory to reduce balsam understory and promote WP regeneration. Burn was successful in areas that were burned (southern part of ridge). Total burned was 6 acres (9/29/04). Northern portion of the stand has a very advanced balsam understory, burning would be difficult without possible damage to overstory. Fair amount of the balsam in the subcanopy is merchantable size now.																																						
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27	6225 - Bog	Nonstocked	1.9		Unspecified	No																																							
28	6122 - Black Spruce	Poletimber Well	23.2	103	141-170	N/A	Mixed stand of black spruce and cedar, roughly half of each species. Areas of higher BA of black spruce. Notes from 10 and 20 years ago state no deer activity either winter when inventoried. Stand was prescribed for treatment last entry year and a prescription was agreed to (see below). Access prevented the treatment.																																						
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29	6120 - Lowland Cedar	Sawtimber Well	107.6	103	141-170	N/A	Cedar stand with spruce component. Higher component of black spruce in northern portion of the stand. Tamarack is showing signs of mortality. Runs of smaller cedar but mostly a larger diameter cedar stand. C6 with a Q6 component. No deer activity.																																						
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30	622 - Lowland Shrub	Nonstocked	511.7		Unspecified	No	Lowland brush along the Hendrie River. Stand is often flooded in spring as the river expands outside its banks. Some dead cedar on stand edges from high water years.																																						
31	500 - Water	Nonstocked	10.1		Unspecified	No	Hendrie River																																						
32	122 - Road/Parking Lot	Nonstocked	15.4		Unspecified	No	Highway M-28 and cleared right of way. Includes west end of Basnau Road and parking areas at Hendrie River bridge.																																						
34	6239 - Mixed Emergent Wetland	Nonstocked	12.0		Unspecified	No	Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails. Some upland areas in western end of the stand.																																						
37	500 - Water	Nonstocked	13.6		Unspecified	No	Hendrie River																																						
38	622 - Lowland Shrub	Nonstocked	216.7		Unspecified	No	Lowland brush along the Hendrie River. Stand is often flooded in spring as the river expands outside its banks. Some dead cedar on stand edges from high water years.																																						
39	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	74.0	131	171-200	N/A	Mixed stand of black spruce, cedar and tamarack. Private land adjacent to the east cut similar timber type in 2012. Access is questionable and would have to be through the adjacent private land.																																						



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																																							
40	6120 - Lowland Cedar	Poletimber Medium	57.0	103	51-80	N/A	Cedar with black spruce and some white birch. mostly, small, low quality cedar. Open stand, very wet. Transitions to an "L" type to east. More of a C6 with larger diameters along west stand edge. Much of the stand is flooded with tag alder and lowland brush taking over.																																																							
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41	622 - Lowland Shrub	Nonstocked	10.3		Unspecified	No	some flooded cedar																																																							
42	4134 - Aspen, Spruce/Fir	Sapling Well	47.6	18	Immature	N/A	Harvested as "Peshim's Aspen", sale #016-02-01. Completed 5/7/03. Young aspen. Good component of spruce and balsam (left from harvest). Some cedar residual. Pocket of white pine (W7/W8) left after harvest as well. Scattered hemlock. Aspen and maple regen is 15-20 ft tall. Lots of species and structural diversity. Mostly quaking aspen but there is a component of Big Tooth aspen as well. small																																																							
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43	4130 - Aspen	Sapling Well	17.7	18	Immature	N/A	"Peshims Aspen", sale #016-02-01. Complete 2003. 2020 - Less residual BA of spruce and white pine than adjacent stand 42 (cut at same time). Mostly young quaking aspen with component of maple, white birch, cherry, balsam. Some small spruce. Regen is 15-20 ft tall. Good regen throughout. Low pockets. Good balsam component. Areas of P3.																																																							
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44	4134 - Aspen, Spruce/Fir	Poletimber Well	55.8	43	81-110	N/A	Overall a young aspen stand. Areas within the stand of more mature, larger diameter aspen 8-12 inch diameter. Some large diameter white spruce throughout. Eastern portion of the stand has a higher component of pole size balsam spruce than the western half. Good components of white birch, and maple poles. Sub canopy is thick throughout the stand. Component of white spruce, balsam, white birch and red maple. Drainage crossing the road in northern third of the stand with elm and a few cedar. BA ranges from 80 up to 130 avg.																																																							
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50	6130 - Fir, Aspen, Maple	Sapling Poor	3.0	4	Immature	N/A	Stand was harvested in 2018 and 2020 as East Peshims Mix. Sale # . Completed . Stand lies between the powerline and the highway. Residual spruce and large diameter white pine. Residual comprises 5-10% of canopy. Regeneration of red maple stump sprouts, balsam and spruce. Component of quaking aspen regen as well. Red maple and aspen regen is 10-15 ft tall. 2010: Lowland black spruce with component of white pine. Some cedar. Some dieback and mortality in the spruce. Pockets of S5 with thicker spruce understory. Areas of higher white pine component. No deer activity. Prescribe stand for final harvest, clearcut with reserves. Leave a few spruce and cedar for leave trees as well as a few supercanopy white pine. Management objective of black spruce. Alternate Management objective (acceptable species mix) of spruce and aspen with a mixed swamp conifer component																																													
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51	4130 - Aspen	Sapling Well	6.6	4	Immature	N/A	Stand was harvested as East Peshiims Mlx. Sale # . Completed . Stand has regenerating nicely to aspen, with components of red maple (stump prouts mainly), balsam and some spruce. Occasional mountain ash and juneberry especially along the powerline ROW. Stand is thick, full stocked. Residual of white spruce leave trees, and a few small diameter pole size maple and aspen. Regeneration is on average 10-15 ft tall. 2010: Mature aspen stand between M-28 and the powerline ROW. Pockets of overmature aspen and areas with smaller diameter, more healthy aspen. Some mortality. Mix of species in areas. Prescribe stand for final harvest, clearcut with reserves. Leave red pine, white pine and a few large spruce for visual concerns along the highway. Narrow stand, no other retention needed. Management objective of aspen. Alternate management objective of aspen, maple, spruce, balsam, white birch. MDOT ROW is 200 ft through this area (100ft each side of center line) Good portion of this stand falls within the ROW. Made a call to Dan Hamlin (Resource Specialist) with MDOT about possible harvest within the ROW in order to manage the entire stand at one time. Will help eliminate trees blowing down into the cleared ROW from the remaining narrow strip of uncut timber																																													
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52	6122 - Black Spruce	Poletimber Well	11.4	86	111-140	N/A	Stand of black spruce, mainly poles with some larger diameter spruce, between the aspen stand and the cedar stand to the south. Slightly lower ground than that aspen stand adjacent to the north. Average diameter of the black spruce is 7-8, ranging up to 12 inches. Sub canopy of black spruce and balsam.. Good component of older, larger diameter black spruce. Aspen, red maple and tamarack components as well. Aspen is dying out of the stand. Red maple is low quality. Some dieback in the larger diameter spruce. Not much of a cedar component in the stand at all, except near the sothern edge. Very distinct edge to the cedar stand adjacent to the south.																																													
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53	6120 - Lowland Cedar	Sawtimber Well	155.0	91	111-140	N/A	Cedar stand. Low quality on the east side (stunted and small bordering the "L"). Eastern edge of stand is starting to flood out and die. Cedar mixed with black spruce, some tamarack and minor components or red maple, white spruce and white birch. Occasional cedar in the sub canopy 10+ ft tall. Northern portion of the stand doesn't have a closed cedar canopy, becomes more continuous as you move further south in the stand. Deer migration trails through the stand. Somewhat boggy type of ground.																																																
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54	4134 - Aspen, Spruce/Fir	Sawtimber Well	14.5	54	81-110	N/A	Large diameter aspen. with areas of smaller diameters. Larger aspen is showing mortality and signs of decline and rot. Aspen is in better shape in the northern portion of the stand. Component of large diameter white spruce. Black spruce and balsam. Some spruce showing decline and broken out tops, as well as in some of the black spruce. Good component of balsam and spruce in the pole size class. Low quality red maple poles. Sub canopy of thick balsam ranging from 3 ft to 30 ft tall. Red maple and spruce also in the sub canopy. Areas of blowdown down and up-rooted spruce. Overall, stand is mature aspen (showing moratlity), with blowdown in spruce. Fair amount of mortality in the stand. Harvest this entry year.																																																
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55	4134 - Aspen, Spruce/Fir	Poletimber Well	34.4	47	81-110	N/A	Aspen stand with quaking aspen, balsam poplar, black spruce, balsam and some white birch. East is more of an "A" type and west edge is more of a "P" type. Northern part of the stand has more conifer, spruce and balsam. scattered cedar. Areas of smaller diameter aspen. Was cut previously as sale #34-74A. Stand/treatment boundary drawn to include old stand 57 and adjusted for wetter areas.																																																
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56	4136 - Aspen, Mixed Conifer	Sapling Well	18.4	27	Immature	N/A	Cut as sale #18-92-01. Cut in 1994. Young aspen, Stand is a mix of upland and low ground areas. Wetter further to the west. Good balsam component. Cedar was left as residual after the sale.																																																
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58	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	9.6	83	141-170	N/A	Stand is mostly spruce in western part and cedar with spruce in the eastern part.																																																



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59	6111 - Lowland Balsam Poplar	Poletimber Poor	72.0	76	1-50	N/A	Patchy, low quality timber over tag alder and low ground. Open stand. P5/P4 patches. Very low quality aspen, red maple, spruce and balsam. Eastern reaches of the stand have more balsam poplar, white birch, aspen, black spruce and scattered cedar. Western portion of the stand is more of an "L" type with tag alder, willow, cattails and occasional balsam poplar and spruce. Not a stand to worry about treating. Very wet.																																																
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60	123 - Other High Intensity Urban	Nonstocked	9.7		Unspecified	No	Canadian National Railroad Right of Way.																																																
61	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	49.7	101	81-110	N/A	Remote call, did not have time to venture to this stand. 2010 notes: Mostly cedar with tamarack, black spruce, red maple, and some aspen and black ash. Thick in many areas with regeneration. ***Old notes - older trees ranging from 1890-1920 and younger trees ranging from 1950-1970.																																																
62	6139 - Mixed Lowland Forest	Sapling Well	13.7	39	Unspecified	N/A																																																	
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64	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	29.9	76	1-50	N/A	Lowland brush along the McLeod Ditch with scattered spruce and cedar throughout. Sparsely stocked stand.																																																
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65	6112 - Lowland Aspen	Sawtimber Well	4.3	83	81-110	N/A	Small isolated lowland stand of quaking aspen and balsam poplar over black spruce, white spruce, and some smaller aspen. Component of cedar. Large diameter in teh quaking aspen and balsam poplar 12-14 inches. A few large diameter white spruce. Small component of black ash. Decent stand. Virtually no access to the stand (DWC - cedar stands surrounding the stand and railroad tracks). Dora muck																																																
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Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments
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66	6139 - Mixed Lowland Forest	Poletimber Medium	7.0	56	1-50	N/A	Old strip cuts. Regeneration is roughly 55 year old. Stands have transitioned to pole size stands. Very dense stands over the eastern 2/3 of each strip. Slightly less regen and more tag alder in western portions near the McLeod Ditch. Real mix of species regenerating. Balsam, black spruce, balsam poplar, aspen, black ash, cedar, white birch and tag alder. Species composition is very similar to stand 65. These strips must not have been cedar cuts as much as they were Q or P type. Very difficult to delineate between the strip cuts and the "non cut" strips (stand 69) unless you look at stumps. Regeneration and surrounding stand are very similar now.				
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Northern White Cedar		5	Pole/Sapling	7							
Paper Birch		20	Pole/Sapling	7							
Red Maple		3	Pole/Sapling	7							

69	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	7.8	86	51-80	N/A					
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		20	Pole/Log	9		Balsam Fir		Medium	Variable	Sapling	
Quaking Aspen		15	Pole/Log	9		Tag Alder		Medium	5 - 10 feet	Tall Shrub	
Balsam Poplar		10	Pole	8		Black Spruce		Low	Variable	Sapling	
Paper Birch		10	Pole	8							
Black Ash		5	Pole/Sapling	7							
Black Spruce		20	Pole	9	86						
Tamarack		5	Pole	7							
Balsam Fir		15	Pole	8							

70	6120 - Lowland Cedar	Sawtimber Well	34.2	121	171-200	N/A	Overall a cedar stand. Area within the stand are more of a mixed lowland conifer stand with higher components of black spruce, tamarack and white birch. Thicker balsam understory in areas with more open canopy or blowdown. Migration trails. Patches of tamarack. Areas of large diameter cedar. 2010 notes: No deer activity winter of 2010.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Northern White Cedar		50	Log/Pole	10	121	Balsam Fir		Medium	Variable	Sapling	
Black Spruce		20	Pole	8		Black Spruce		Low	5 - 10 feet	Sapling	
Tamarack		20	Pole	8		Tag Alder		Low	5 - 10 feet	Tall Shrub	
Paper Birch		5	Pole	9							
Balsam Poplar		5	Pole	9							

71	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	17.2	91	51-80	N/A	Tamarack over 1-2 stick cedar. T6/Q6/Q5/T4. Much of the tamarack is dead, lots of mortality since the inventory in 2010. Stand was nice tall tamarack over cedar. With the mortality, the stand is converting to more of a mixed stand of tamarack and cedar. Will likely convert to cedar over time. Sub canopy of thick tag alder with component of balsam and spruce. Northern 1/3 of the stand has more live tamarack but still only about 50% alive. Note: There is a yellow painted "4" on a cedar tree in the southeast portion of the stand.				
Canopy Species		% Cover	Size Class	DBH	Age	Sub-Canopy Species		Density	Avg. Height	Size	
Tamarack		45	Pole/Log	9	91	Tag Alder		High	5 - 10 feet	Tall Shrub	
Northern White Cedar		45	Log/Pole	10		Balsam Fir		Medium	Variable	Sapling	
Black Spruce		10	Pole	8		Black Spruce		Low	Variable	Sapling	



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																								
72	6124 - Lowland Spruce-Fir	Sapling Well	4.3	42	Unspecified	N/A	Stand was cut as Sale #1-79A. Regeneration is a good mix of species; primarily balsam with black spruce, balsam poplar, white birch and a component of tall tag alder. Scattered pole size cedar that were residual left from harvest. Very little cedar regeneration, very patchy, short. Some balsam and spruce transitioning into the 4 inch diameter class. Q4/Q3. Thick stand.																																								
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74	623 - Emergent Wetland	Nonstocked	7.3		Unspecified	No	Cloverland Electric Cooperative Powerline ROW. Marsh grasses and cattails.																																								
75	6124 - Lowland Spruce-Fir	Sapling Well	16.5	39	Unspecified	N/A	Black spruce and tamarack, with white birch and balsam. Good regeneration. Scattered cedar regeneration but not much. A few spruce and balsam moving into the pole size class. Majority of the stand is still sapling size (4 inch dbh or less).																																								
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76	6120 - Lowland Cedar	Sawtimber Well	64.6	111	171-200	N/A	Some blowdown in the portion near the highway. Areas of C6, but the majority of the stand has an average diameter of 10 inch or larger. Diameter ranges from 6-7 inch up to 18 inches. Areas of mostly pole size cedar. Overall the stand is a log size cedar stand. Nice cedar throughout. Component of spruce, tamarack and large white pine. Scattered white birch. Thick basal area throughout most of the stand. In areas of slightly open canopy, a thicker balsam understory is present. Some 10-20 ft tall cedar in the sub canopy. Higher component of tamarack north of the powerline along the McLeod Ditch.																																								
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77	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	12.1	89	81-110	N/A	Mixed stand of black spruce, tamarack and cedar. Component of balsam and white birch also. Tamarack is in bad shape, decline and mortality. Areas of more cedar (pockets). Stand is an extension of Stand 24 (previously cut) and stand 23 (under contract) in adjacent compartment to west.																																								
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79	6121 - Tamarack	Poletimber Medium	5.8	71	Unspecified	N/A	Open canopy, black spruce and tamarack. Moderate stocked stand. Very boggy ground. Roughly 50% crown closure currently. Small diameters, 30-50 BA. Sub canopy of tag alder with balsam and some spruce. Stand has been filling in and becoming more merchantable over time.																																								
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80	122 - Road/Parking Lot	Nonstocked	15.0		Unspecified	No	Highway M-28 and cleared right of way.																																	
81	6120 - Lowland Cedar	Sawtimber Well	52.3	121	171-200	N/A	Cedar stand. Diameter ranges from 7 inches up to 14-16 inches in the cedar. Deer yard. Some breaks in canopy with more balsam understory. Migration trails. Patches of tamarack. Majority of the stand is closed canopy cedar with high BA. Portion of the stand between the old grade and M28 has substantial mortality in the cedar and smaller diameters. Areas of large diameter cedar. 2010 notes: No deer activity winter of 2009-2010.																																	
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82	6123 - Lowland Fir	Sapling Well	4.3	45	Unspecified	N/A	Old strip cut. cut was placed where cedar was not as thick (based on imagery). Stand is a mix of regen including balsam, black spruce, white birch, tag alder, balsam poplar, aspen, tamarack, scattered willow and occasional red maple. Height of regen is 20+ ft tall. Stand is transitioning between a sapling and pole size stand. Most of the stand is still submerchantable diameters with some balsam, spruce and birch getting into the pole size class. Pockets of pole size white birch up to 40 BA of pole size trees. Some cedar regen as well, 1-3 ft tall, mostly along the edges of the cut strips and on dead and down cedar logs. Cedar regen is patchy, and mainly in the southern most strip (stand 96).																																	
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83	6124 - Lowland Spruce-Fir	Poletimber Well	8.4	45	1-50	N/A	Strip cuts from the early 1980's. Mainly spruce, tamarack, balsam and some white birch now. Occasional cedar regen near edges of the strips. Transitioning into the pole size class, with alot of the regen still sapling size 20 ft tall.																																	
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86	6112 - Lowland Aspen	Sawtimber Well	12.9	41	81-110	N/A	Sale #1-79A. Low ground aspen stand. Areas of pole size aspen and areas of log size aspen. Overall average diameter is 10-11 inch. Large diameter quaking aspen and balsam poplar (avg 14 inch) with a component of black spruce, balsam, tamarack. Areas of smaller diameter balsam poplar 8 inch average (thick clones along grade). Balsam poles 8 inch diameter. Fair amount of smaller pole size aspen throughout. Most of the aspen is 10 inch class on average. Occasional cedar in the stand. Stand extends 1-2 chains south of the old roadbed. Evidence of mortality/decline in some aspen, even in the smaller diameters. Sub canopy of balsam is thick throughout, 2-5 inches in diameter.																																	
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88	123 - Other High Intensity Urban	Nonstocked	1.3		Unspecified	No	Canadian National Railroad Right of Way.																																	
89	3102 - Grass	Nonstocked	2.4		Unspecified	No	Clear vision area at intersection of Canadian National Railroad ROW and Highway M-28. North half of stand is more brush and some young lowland aspen.																																	
91	6239 - Mixed Emergent Wetland	Nonstocked	0.9		Unspecified	No	Clear vision area at intersection of Canadian National Railroad ROW and Highway M-28.																																	



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92	6129 - Mixed Coniferous Lowland Forest	Poletimber Medium	45.8	93	81-110	N/A	Lowland conifer stand of tamarack, cedar and spruce. Small component of occasional white pine. Stand is showing substantial mortality and decline in tamarack and cedar. Very wet. Thick tag alder understory. Very low quality stand. Old ice road runs east/west through the stand.																																															
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93	6120 - Lowland Cedar	Sawtimber Well	146.4	99	141-170	N/A	Mature cedar. Good deer yard habitat. Closed canopy in most of the stand. Areas in stand with a mix of species - more of a Q6 (pockets). Northern edge transitions to more of a lowland mixed type.																																															
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94	6118 - Lowland Deciduous with Cedar	Sawtimber Well	13.6	95	111-140	N/A	Mature white birch (large dbh) with balsam poplar, large white spruce and some cedar. Open canopy. Mortality and blowdown. Maple and birch regen in spots. Stand is showing quite a bit of mortality. Recommendation would be to harvest now before we lose the aspen component and risk proper regeneration of a food stand in the DWC.																																															
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96	6124 - Lowland Spruce-Fir	Sapling Well	19.3	42	Unspecified	N/A	Old strip cut. cut was placed where cedar was not as thick (based on imagery). Stand is a mix of regen including balsam, black spruce, white birch, tag alder, balsam poplar, aspen, tamarack, scattered willow and occasional red maple. Height of regen is 20+ ft tall. Stand is transitioning between a sapling and pole size stand. Most of the stand is still submerchantable diameters with some balsam, spruce and birch getting into the pole size class. Pockets of pole size white birch up to 40 BA of pole size trees. Some cedar regen as well, 1-3 ft tall, mostly along the edges of the cut strips and on dead and down cedar logs. Cedar regen is patchy, and mainly in the southern most strip (stand 96).																																															
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97	6124 - Lowland Spruce-Fir	Sapling Well	3.7	42	Unspecified	N/A	Old strip cut. cut was placed where cedar was not as thick (based on imagery). Stand is a mix of regen including balsam, black spruce, white birch, tag alder, balsam poplar, aspen, tamarack, scattered willow and occasional red maple. Height of regen is 20+ ft tall. Stand is transitioning between a sapling and pole size stand. Most of the stand is still submerchantable diameters with some balsam, spruce and birch getting into the pole size class. Pockets of pole size white birch up to 40 BA of pole size trees. Some cedar regen as well, 1-3 ft tall, mostly along the edges of the cut strips and on dead and down cedar logs. Cedar regen is patchy, and mainly in the southern most strip (stand 96).																																															
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98	6121 - Tamarack	Sapling Medium	5.3	36	1-50	N/A	Stand was coded as a D0 (treed bog) last entry. Stunted tamarack and black spruce. Some cedar along the edges. Some poletimber 4-5 inch dbh, however most of the stand is sapling size diameters. Tag alder throughout and fairly thick. Some 5-10 ft tall black spruce in the sub canopy. Bog ground.																																										
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99	6120 - Lowland Cedar	Sawtimber Well	195.1	96	201+	N/A	Northern reaches of the stand are larger diameter cedar. Some blowdown in the narrow portion near the highway. Areas of C6, but the majority of the stand has an average diameter of 10 inch or larger. Diameter ranges from 8 inches up to 18 inches. Overall the stand is a log size cedar stand. Nice cedar throughout. Component of spruce, tamarack and large white pine. Scattered white birch. Thick basal area throughout most of the stand. In areas of slightly open canopy, a thicker balsam understory is present. Some deer use noted in 2010. 2020 inventory was done in summer due to teleworking restrictions in later winter and spring. West side of the stand along compartment boundary has a higher tamarack component than rest of the stand.																																										
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100	6120 - Lowland Cedar	Sawtimber Well	48.4	96	81-110	N/A	Open cedar stand. Fairly wet. Open areas throughout. Component of spruce, tamarack and large white pine.																																										
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101	4136 - Aspen, Mixed Conifer	Sapling Medium	63.3	3	Immature	N/A	2020: Remote call due to time limitation from COVID 19 and teleworking. 2018: Harvested via Clearcut in early 2018 as part of Portabridge Needed Mix, #018-12. TCR 3/27/18. All species cut except cedar, white pine and hemlock. Access was through Chuck Lavendar, to the west.																																										
102	4130 - Aspen	Sapling Well	31.1	25	Immature	N/A		Stand harvested in 1995-1996 as part of Grandmother Aspen sale. Nce aspen regeneration with some maple and balsam poplar. Balsam of various sizes. Stand is beginning to transition to pole size stand.																																									
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103	6121 - Tamarack	Poletimber Medium	44.0	101	51-80	N/A	Remote call due to time constraints from COVID 19 and teleworking. Tamarack and spruce with a component of cedar. Small diameters 7-8 inch. Pockets of more spruce. More of a cedar component than that in stand 104 prior to the harvest.																																										
104	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Medium	34.3	14	Immature	N/A		Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Harvested as "McLeod Ditch Tamarack", sale #017-02-01. Closed 7/19/07. Sparse regen at this time. Not much tamarack regen showing. Mostly spruce and balsam poplar. Cattails throughout.																																									



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																				
105	123 - Other High Intensity Urban	Nonstocked	3.1		Unspecified	No	Canadian National Railroad Right of Way.																																				
106	6122 - Black Spruce	Sapling Medium	7.0	51	Unspecified	N/A	Flooded S3/S2. High component of dead spruce.																																				
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107	622 - Lowland Shrub	Nonstocked	1.4		Unspecified	No																																					
108	6129 - Mixed Coniferous Lowland Forest	Sawtimber Well	20.0	96	81-110	N/A	Q6/C6. Cedar, tamarack, spruce and white birch. Pocket of tamarack in center. Very limited access through the adjacent private land (currently for sale).																																				
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109	622 - Lowland Shrub	Nonstocked	16.0		Unspecified	No	Lowland shrub																																				
110	123 - Other High Intensity Urban	Nonstocked	2.5		Unspecified	No	Canadian National Railroad Right of Way.																																				
111	6121 - Tamarack	Poletimber Medium	6.9	96	1-50	N/A	2010 notes: small diameter tamarack. Sub canopy of tag alder. Dead trees throughout.																																				
112	123 - Other High Intensity Urban	Nonstocked	1.7		Unspecified	No	Canadian National Railroad Right of Way.																																				
113	622 - Lowland Shrub	Nonstocked	6.0		Unspecified	No	Flooded small cedar.																																				
114	6121 - Tamarack	Poletimber Medium	11.9	96	1-50	N/A	2010 notes: small diameter tamarack. Sub canopy of tag alder. Dead trees throughout.																																				
115	6121 - Tamarack	Poletimber Medium	4.3	96	51-80	N/A	2010 notes: small diameter tamarack. Sub canopy of tag alder. Dead trees throughout.																																				
116	6139 - Mixed Lowland Forest	Sapling Well	78.0	47	Unspecified	N/A	2010 inventory: Q3/Q2/Q4. Mix of spruce, balsam, white birch, tamarack and cedar. Pockets of Q4. Open areas with tag alder.																																				
117	6121 - Tamarack	Poletimber Well	34.9	96	51-80	N/A	Virtually no access to the stand. Creek/river surrounding the stand. Tamarack with a spruce and cedar component. South end is primarily tamarack.																																				



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																																
118	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	251.5	90	81-110	N/A	Patchy stand. Lots of variability within the stand. Mix of cedar, spruce and tamarack. Occasional white birch and red maple.																																
119	612 - Lowland Coniferous Forest	Sapling Well	11.4	41	Unspecified	N/A	Bog area filling in with stunted spruce, cedar and tamarack. tag alder																																
120	6120 - Lowland Cedar	Poletimber Well	19.1	108	171-200	N/A	Old notes: good quality, dense cedar with small diameters.																																
122	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	2.7	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
123	42210 - Natural Red Pine	Sawtimber Well	3.5	129	141-170	N/A	Ridge of red pine with white pine. Large diameters. Was prescribed for a thinning in 2001 but was never set up. Access is questionable due to access through private.																																
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124	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	19.9	146	51-80	N/A	Tamrack and cedar mainly.																																
125	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	4.3	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
126	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	2.0	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
127	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	1.7	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
128	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	0.8	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
129	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	0.5	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
130	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	0.3	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																																
133	500 - Water	Nonstocked	0.6		Unspecified	No	Hendrie River																																



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Managed Site	General Comments																		
134	6122 - Black Spruce	Poletimber Poor	58.0	78	1-50	N/A	Small diameter black spruce. Wet ground.																		
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140	6128 - Lowland Coniferous, Mixed Deciduous	Sapling Well	1.0	46	Unspecified	N/A	Remote call due to time constraints from COVID 19 and teleworking. My notes from 2010: Old strip and patch cuts. Mix of regeneration (SP, Bal, WB, Tam, RM) . Some cedar regeneration present.																		
407	790 - Other Bare/Sparsely Vegetated	Nonstocked	0.8		Unspecified	No	Small cedar up to 3 ft tall and lowland brush. Surrounded by a lowland conifer stand, edge effect. Type as low ground because it holds water throughout the summer. Vehicle tracks heading south through the stand. Looks to be a borrow area from when highway was built up?																		
413	3102 - Grass	Nonstocked	1.9		Unspecified	No	small open ridge with spruce edges. Abandoned road. Fair amount of dumping and garbage (appliances, etc). Bear bait location at north end of ridge.																		