Sault Ste Marie Forest Management Unit
Compartment Review Presentation
Compartment # 36 Entry Year: 2014
Compartment Acreage: 2,239 County: Chippewa

Revision Date: 6-19-2012

Stand Examiner: Jason Caron

Legal Description: T44N-1W Sections 14 thru 23 Pickford Township

RMU (if applicable):

Management Goals: Previous and future management will focus on creating more age class diversity by way of timber sale harvests.

Soil and Topography: This compartment is generally wet with rises in the Markey-Dawson mucks comprised of Pence-Kalkaska sand. A few of the areas within the compartment, especially in the East, consist of hills with a mixture of pine, spruce and balsam.

Ownership Patterns, Development, and Land Use in and Around the Compartment: Except for the Northwest this compartment is entirely surrounded by private land.

Unique, Natural Features (include only non-site specific and non-sensitive information): The black spruce bog complex in the Northwest part of the stand is very unique to this area.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information): None known at this time.

Special Management Designations or Considerations: None anticipated at this time.

Watershed and Fisheries Considerations: This compartment contains Parker Creek, a designated trout stream in the Munuscong River watershed. A 300' no clear-cut buffer should be maintained adjacent to Parker Creek.

Wildlife Habitat Considerations: This compartment is located on the southern extent of the Kinross Bog Management Area in the transition between a sandy outwash plain to the north and clay lake plain to the south. It contains a mix of types ranging from bog to upland pine. Lowland stands currently contain a mix of species ranging from black spruce, tamarack, and jack pine to red maple and other lowland deciduous species. Aspen, spruce, pine, and maple are common in uplands. Past management activities have increased age class diversity across the compartment, particularly on the western side, and encouraged young growth that provides habitat for white-tailed deer, ruffed grouse, snowshoe hare, American woodcock, and others. Ponds and stream corridors as well as bog and marshy areas provide habitat for numerous wetland wildlife including beaver; a number of beaver ponds are scattered around the compartment.
Wildlife objectives in this compartment will continue to focus on providing age class and structural diversity between forest stands, and maintaining the integrity of wetlands and waterbodies. Wetlands and waterbodies will be buffered when harvesting nearby to protect these areas. Additional species benefitting from management include black bear, bobcat, gray wolf, and numerous neotropical migratory birds.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of lacustrine (lake) sand, gravel, clay and silt. The glacial drift thickness varies between 100 and 200 feet. The Ordovician Stonington Formation subcrops below the glacial drift. The Stonington could be used for stone. Gravel pits are located in Section 29, but gravel potential is uncertain. There is no economic oil and gas production in the UP.

Vehicle Access: Access is limited within this compartment due to the private holdings and wet ground. No new permanent roads are recommended at this time.

Survey Needs: None at this time.

Recreational Facilities and Opportunities: Hunting and gathering are the two main activities within this compartment. The younger forest types provide good deer, grouse and hare populations.

Fire Protection: Fire protection access would be difficult in the remote areas of this compartment due to no roads and wet soils.

Additional Compartment Information:

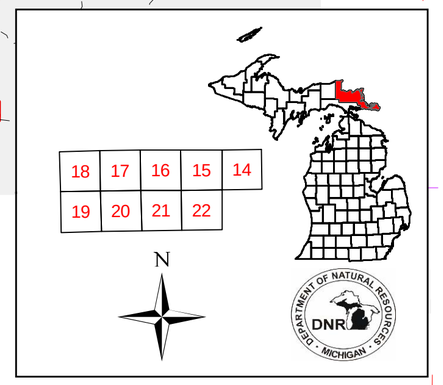
- **Cover Type details, Proposed Treatments, and Stand listings are listed in the attached reports:**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**
  - **Stand Listing – Forested**
  - **Stand Listing – Non Forested**
  - **Special Conservation Area (SCA) Details**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand numbers, cover types**
  - **Proposed treatments**
  - **Proposed road access system**
  - **SCA – Special Conservation Areas**

Cover Type & Treatment Map

Compartment: 036
T44N R01W Sec. 14 - 22
County: Chippewa
Unit: Sault Ste. Marie
YOE: 2014
Acres: 2,239 GIS Calculated
Examiner: Jason Caron
Map Revised: 08/08/2012
Map Phase: Pre-Review

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



Legend

Remonumented Section Corners
- Remonumented Section Corners
- Miris Corners
- Gate
- PLSS Corner
- Structures
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Pipeline
- Powerline
- Motorcycle (DNR Sticker)
- Motorcycle (SOS License)
- ORV Trail
- ORV Route
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- Natural
- Planted

Treatments
- Clearcut (w/Reserves, Patch/Strip)

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland
- State Forest Land

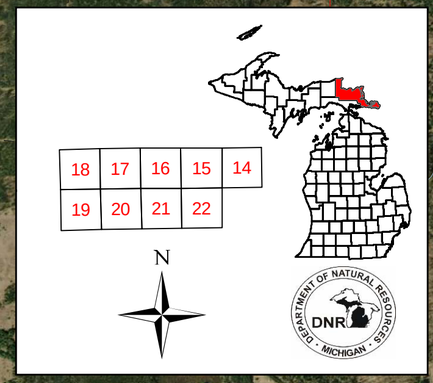
1 0.5 0 1 Miles

84°29'0"W 84°28'0"W 84°27'0"W 84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W
46°13'0"N 46°12'0"N 46°11'0"N

Stand Boundary Map

Compartment: 036
T44N R01W Sec. 14 - 22
County: Chippewa
Unit: Sault Ste. Marie
YOE: 2014
Acres: 2,239 GIS Calculated
Examiner: Jason Caron
Map Revised: 08/08/2012
Map Phase: Pre-Review

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



Sections 18 | 17 | 16 | 15 | 14 / 19 | 20 | 21 | 22

Legend

- Remonumented Section Corners
- Miris Corners
- Gate
- PLSS Corner
- Structures
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Closed Roads
- Stream
- Intermittent Stream
- Pipeline
- Powerline
- Motorcycle (DNR Sticker)
- Snowmobile Trail
- Stand Boundaries

Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
421 - Planted Pines
431 - Upland Mixed Forest
611 - Lowland Deciduous Forest
612 - Lowland Coniferous Forest
613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
330 - Low-Density Trees
500 - Water
622 - Lowland Shrub
629 - Mixed non-forested wetland

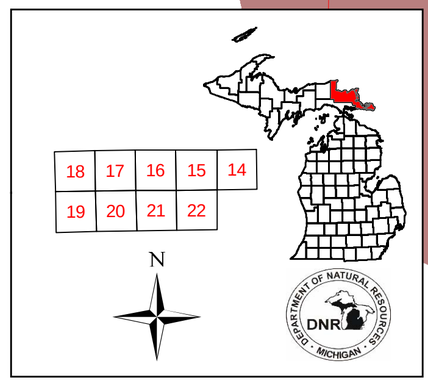
1 0.5 0 1 Miles

84°29'0"W 84°28'0"W 84°27'0"W 84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W
46°13'0"N 46°12'0"N
20 Mile Rd 21 Mile Rd 23 Mile Rd
Wilson Rd Roe Rd Hancock Rd Steele Rd Pealine Rd S Lookhart Rd Maxton Trail South

Dedicated & Proposed Special Conservation Area Map

Compartment: 036
T44N R01W Sec. 14 - 22
County: Chippewa
Unit: Sault Ste. Marie
YOE: 2014
Acres: 2,239 GIS Calculated
Examiner: Jason Caron
Map Revised: 08/08/2012
Map Phase: Pre-Review

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



84°29'0"W 84°28'0"W 84°27'0"W 84°26'0"W 84°25'0"W 84°24'0"W 84°23'0"W
46°13'0"N 46°12'0"N 46°11'0"N

18 17 16 15 14
19 20 21 22

1 6126-J2
2 4132-A3
3 622-L0
4 6126-J1
5 6129-Q1
6 622-L0
7 4212-J3
8 622-L0
9 4130-A3
10 6122-S6
11 4130-A3
12 6126-J1
13 6121-T1
14 6121-T2
15 6122-S6
16 6129-Q1
17 6125-Q6
18 6122-S6
19 6122-S6
20 6117-E6
21 500-Z0
22 622-L0
23 4130-A3
24 6121-T1
25 4130-A3
26 622-L0
27 6122-S3
28 629-L0
29 6130-LM4
30 622-L0
31 429 -MC6
32 330-U0
33 6121-T3
34 330-U0
35 6122-S6
36 6122-S6
37 6117-E6
38 6122-S6
39 622-L0
40 6129-Q1
41 4130-A3
42 6130-LM6
43 6117-E5
44 6119-E6
45 6121-T1
46 6117-E4
47 6139-LM5
48 6121-T1
49 6122-S4
50 622-L0
51 6124-Q2
52 622-L0
53 4319-UM3
54 6128-Q2
55 622-L0
56 622-L0
57 622-L0
58 4130-A3
59 622-L0
60 4130-A3
61 6121-T4
62 622-L0
63 6122-S6
64 6112-P8
65 6122-S1
66 6121-T7
67 6122-S6
68 6113-E6
69 622-L0
70 6130-LM3
71 6122-S6
72 6122-S5
73 4134-A6
74 500-Z0
75 622-L0
76 500-Z0
77 6121-T6
78 622-L0
79 6121-T6

Legend

- Remonumented Section Corners
- Miris Corners
- Stand Boundaries

Dedicated Special Conservation Areas
- Cold Water Streams
- Deer Wintering Areas

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 421 - Planted Pines
- 431 - Upland Mixed Forest
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 330 - Low-Density Trees
- 500 - Water
- 622 - Lowland Shrub
- 629 - Mixed non-forested wetland

1 0.5 0 1 Miles

Table 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit **Compartment 036 Year of Entry 2014**

Jason Caron : Examiner

Age Class

	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	Total
Aspen	40	24	217	0	0	6	0	0	0	0	0	0	0	0	**287**
Jack Pine	48	72	9	46	0	0	0	0	0	0	0	0	0	0	**175**
Low-Density Trees	44	0	0	0	0	0	0	0	0	0	0	0	0	0	**44**
Lowland Aspen/Balsam Poplar	0	0	0	0	0	0	0	10	0	0	0	0	0	0	**10**
Lowland Conifers	75	164	0	14	0	0	0	0	0	31	0	0	0	0	**285**
Lowland Deciduous	0	0	0	0	37	5	62	22	0	0	0	0	0	0	**126**
Lowland Mixed Forest	0	0	0	17	137	0	0	52	0	0	0	0	0	0	**205**
Lowland Shrub	535	0	0	0	0	0	0	0	0	0	0	0	0	0	**535**
Lowland Spruce/Fir	0	0	35	44	9	41	72	104	12	35	0	0	0	0	**352**
Tamarack	12	24	0	0	30	16	0	10	41	11	0	0	8	0	**152**
Upland Conifers	0	0	0	0	0	0	0	0	0	0	21	0	0	0	**21**
Upland Mixed Forest	0	0	19	0	0	0	0	0	0	0	0	0	0	0	**19**
Water	27	0	0	0	0	0	0	0	0	0	0	0	0	0	**27**
Total	**782**	**284**	**281**	**120**	**212**	**69**	**134**	**198**	**53**	**77**	**21**	**0**	**8**	**0**	**2239**

Table 2 – Proposed Treatment Summaries

Sault Ste. Marie Mgt. Unit
Year of Entry 2014

Compartment 036
Total Compartment Acres: 2239

Acres by Treatment Type

Commercial Harvest - 122	Site Prep - 0	Tree Planting - 0	Prescribed Burn - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	Tree Seeding - 0	Pesticide - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Aspen	6	0	0	0	0	0	**6**
Lowland Conifers	19	0	0	0	0	0	**19**
Lowland Spruce/Fir	47	0	0	0	0	0	**47**
Tamarack	41	0	0	0	0	0	**41**
Upland Conifers	9	0	0	0	0	0	**9**
Total	**122**	**0**	**0**	**0**	**0**	**0**	**122**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	45036010-Cut	35.2	6122 - Black Spruce	High Density Pole	90		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. Do not cut oak, hemlock, red and white pine, yellow birch and cedar if it exists within the sale.

Other Comments: Red line out wet areas and include some mature timber which will serve as retention.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
17	45036017-Cut	19.1	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	90		Harvest	Clearcut with Reserves	6125 - Lowland Black Spruce, Jack Pine	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. Do not cut oak, hemlock, red or white pine, cedar and yellow birch if it exists within the stand. Also leave some scattered mature trees representative of the stand. Buffer pond.

Other Comments: Red line out wet areas for retention purposes. Treatment boundary was adjusted which will serve as retention as well.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/01/2013

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
31	45036031-Cut	9.0	429 - Mixed Upland Conifers	High Density Pole	105		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. Do not cut oak, hemlock, red and white pine, cedar and yellow birch if it exists within the sale. Also leave some scattered mature aspen.

Other Comments: Red line out wet areas for retention purposes. Buffer wetland on NW part of stand. Treatment boundary was adjusted to exclude wet areas which will serve as retention also.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/01/2013

Total Treatment Acreage Proposed: 63.3

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
67	45036067-Cut	12.0	6122 - Black Spruce	High Density Pole	85		Harvest	Clearcut with Reserves	6122 - Black Spruce	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. Do not cut oak, hemlock, cedar, pine and yellow birch if it exists within the sale.

Other Comment: Red line out wet areas along the edge for retention purposes. A local consultant (Dean Reid) is suppose to set up a private timber sale adjacent to this stand. If he does I could sell this stand over the counter to the producer. I will write a Rx for the stand but add a LF incase the private sale does not go through.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/15/2012

Limiting Factor and No Treatment Reason: 2B: Unknown if access through adjacent landowner(s) is possible

Access through state land would be very difficult due to wet ground and drainages. A local consultant (Dean Reid) is putting up a timber sale on private land adjacent to this stand. Once the private timber sale is sold I would like to put this stand up as an over-the-counter and sell it to the producer who is cutting the private piece.

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
73	45036073-Cut	6.5	4134 - Aspen, Spruce/Fir	High Density Pole	56		Harvest	Clearcut with Reserves	4134 - Aspen, Spruce/Fir	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. Do not cut oak, hemlock, pine, yellow birch and cedar if it exists within the sale.

Other Comment: Red line out any wet areas along the edge. Reserve a couple of large aspen for retention purposes. I am putting a LF on this stand due to private access and small acreage.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/01/2013

Limiting Factor and No Treatment Reason: 2B: Unknown if access through adjacent landowner(s) is possible

Small acreage and unsure if landowner would allow us to use his road for a timber sale.

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
77	45036077-Cut	17.0	6121 - Tamarack	High Density Pole	80		Harvest	Clearcut with Reserves	6128 - Lowland Coniferous, Mixed Deciduous	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. When painting out the boundary exclude an area for retention purposes. Do not cut oak, hemlock, pine, cedar and yellow birch it it exists within the sale.

Other Comment:

Next Steps: Perform a regen survey according to work instructions. Acceptable regeneration includes spruce, aspen, birch, maple, balsam.

Proposed Start Date: 10/01/2013

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

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Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
79	45036079-Cut	23.7	6121 - Tamarack	High Density Pole	80		Harvest	Clearcut with Reserves	6117 - Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Clearcut with reserves. When painting out the boundary exclude an area for retention purposes. Do not cut oak, hemlock, pine, cedar and yellow birch if it exists within the sale.

Other Comment:

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cedar, yellow and paper birch, balsam fir, white spruce, black spruce and white pine.

Proposed Start Date: 10/01/2013

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

Total Treatment Acreage Proposed: 59.2

Data updated before 2:00 PM

Out of YOE -- Treatments
Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
45104_OutOfY OE-Cut	19.8					Harvest	Crown Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand were present.

Other Comments: This was a buffer left along the creek from a sale called Golden Eagle.

Next Steps:

Proposed Start Date: 10/01/2013

45152062-Cut	5.5	4115 - Y.Birch, Hemlock NH	High Density Log	76		Harvest	Clearcut with Reserves	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Clear Cut the stand leaving all white pine, hemlock, cedar and yellow birch. Also, leave one healthy, mature red maple, black cherry, spruce, fir, paper birch or sugar maple in order to retain a representation of the stand.

Other Comments: cut with adjacent compartment.

Next Steps: Check for regeneration in 4-5 years. Acceptable regeneration will include red maple, yellow birch, hemlock, white pine, black cherry, sugar maple, aspen, ash, beech, and balsam fir.

Proposed Start Date: 10/01/2011

45157_OutOfY OE-Cut	0.7					Harvest	Low Thinning	42110 - Planted Red Pine	Cmpt. Review Proposal

Prescription Specs: Thin to around 120 Basal Area. Leave species diversity within the stand where present.

Other Comments: cut with stand 1 in comp 158.

Next Steps:

Proposed Start Date: 10/01/2013

45195_OutOfY OE-Cut	27.3					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: Cut all of the beech in the stand. Mark 2-3 beech to leave when cruising.

Other Comments: Beech bark disease is affecting the beech within this stand.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.

Proposed Start Date: 10/01/2013

45202_OutOfY OE-Cut	449.6					Harvest	Single Tree Selection	4111 - S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: Cut all beech in the stand. While cruising mark 2-3 beech per acre to leave.

Other Comments: Beech bark disease is present in the stand.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Acceptable regeneration is aspen, maple, cherry, beech, yellow and paper birch, ironwood, balsam fir, white spruce and white pine.

Proposed Start Date: 10/01/2012

Out of YOE -- Treatments Prescribed with No Limiting Factor

Year of Entry: 2014

Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
Total Treatment Acreage Proposed:	**502.9**								

Data updated before 2:00 PM

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6126 - Lowland Jack Pine	Medium Density	71.9	16		A lot of non-forested marsh areas within the stand. jack pine and black spruce is filling in, regen looks good. A couple large white pine and red pine scattered within the stand.
2	4132 - Aspen, Jack Pine	High Density Sapling	18.8	26		Nice stand of mixed regeneration. Small patch of mature red pine along southern edge of stand.
4	6126 - Lowland Jack Pine	Low Density Sapling	45.9	36		Nice regeneration within the majority of stand. Jack pine regeneration is dense in some spots.
5	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	14.2	30		Stand is a bog but is filling in with black spruce, white pine and tamarack. Trees are stunted.
7	42120 - Planted Jack Pine	High Density Sapling	9.0	26		Nice jack pine plantation. It's hard to tell if it's natural or planted?
9	4130 - Aspen	High Density Sapling	18.0	26		Nice aspen regeneration within the stand.
10	6122 - Black Spruce	High Density Pole	35.2	90		Stand of black spruce that needs treatment, black spruce is falling apart.
11	4130 - Aspen	High Density Sapling	21.5	26		Nice aspen regeneration within the stand.
12	6126 - Lowland Jack Pine	Low Density Sapling	48.4	6		Jack pine and black spruce is filling in nicely with a few red maple and aspen as well. Regeneration is slow to come back but is filling in. Stand was cut in 2006.
13	6121 - Tamarack	Low Density Sapling	10.0	70		Bog like stand filled with sapling black spruce and tamarack, high water table. Stand is old and stagnant.
14	6121 - Tamarack	Medium Density	16.4	51		Stand of stagnant black spruce and tamarack, small diameter trees, high water table.
15	6122 - Black Spruce	High Density Pole	35.9	64		Younger stand of black spruce. Stand is healthy with smaller diameter black spruce throughout.
16	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	19.5	6		Stand is filling in nicely with a mix of black spruce and tamarack.
17	6125 - Lowland Black Spruce, Jack Pine	High Density Pole	31.3	90		Mature stand of jack pine and black spruce mixed with white pine and big tooth aspen. Stand is starting to fall apart. Adjust treatment boundary to reflect acreage change.
18	6122 - Black Spruce	High Density Pole	7.9	75		Stand of mature black spruce. Hold for 10 years and cut this stand along with stand to the West and Northwest.
19	6122 - Black Spruce	High Density Pole	12.7	75		Stand of black spruce of good quality. Hold for 10 years and cut with stand to the North and East.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
20	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	6.7	40		Stand is low with pole sized red maple and scattered tamarack and black spruce. Do not cut.
23	4130 - Aspen	High Density Sapling	7.4	20		Nice stand of regenerating aspen. Cut in 1992.
24	6121 - Tamarack	Low Density Sapling	11.6	6		Stand was cut in 2006. Clearcut is taking awhile to fill in but it is starting to. Red maple, tamarack, aspen and a few black spruce are starting to regenerate.
25	4130 - Aspen	High Density Sapling	37.1	24		Nice stand of young aspen regeneration.
27	6122 - Black Spruce	High Density Sapling	35.1	20		Stand was cut in 1992. Nice lowland regeneration within the stand. Good to see some white pine regeneration mixed in as well.
29	6130 - Fir, Aspen, Maple	Low Density Pole	29.1	72		Very poor quality stand of mostly balsam fir regeneration with a few scattered red maple, balsam fir and black spruce here and there. Red maple is multi-aged. Balsam fir regeneration appears to be on it's way out due to budworm defoliation.
31	429 - Mixed Upland Conifers	High Density Pole	20.9	105		Stand is old and in need of treatment. Adjust treatment boundary to exclude wet areas.
33	6121 - Tamarack	High Density Sapling	17.5	45		Stand has a very high water table and is bog like. Trees are small diameter due to water table.
35	6122 - Black Spruce	High Density Pole	40.8	76		Black spruce is decent quality but not quite ready. Hold for 10 years to let surrounding clearcuts green up.
36	6122 - Black Spruce	High Density Pole	13.0	62		Stand of pole sized black spruce of decent quality. Manage with stand to the North in 10 yrs.
37	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	16.1	64		North edge of stand contains a decent sized sand ridge. Stand is a mix of red maple, spruce, and aspen.
38	6122 - Black Spruce	High Density Pole	26.7	59		Stand of small diameter black spruce, tamarack and white pine of small diameter due to a high water table.
40	6129 - Mixed Coniferous Lowland Forest	Low Density Sapling	55.6	6		Cut in 2006. Black spruce, quaking aspen, tamarack, balsam fir and a few white pine. A couple 24" white pine within the stand as well..
41	4130 - Aspen	High Density Sapling	114.4	21		Nice aspen regeneration.
42	6130 - Fir, Aspen, Maple	High Density Pole	22.8	70		Small stand of aspen and tamarack combined. Aspen is poor quality, leave for age diversity.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	6117 - Lowland Deciduous, Mixed Coniferous	Medium Density Pole	29.9	42		Low ground with a mix of conifer and deciduous. Tag alder is thick underneath.
44	6119 - Mixed Lowland Deciduous Forest	High Density Pole	22.4	72		Stand was left from previous cut. Old white birch with a mix of conifer and deciduous remains. White birch is dense in spots, pretty unique. Do not manage, keep to age diversity.
45	6121 - Tamarack	Low Density Sapling	12.9	44		Lowland type with scattered pole sized tamarack. Tag alder is thick underneath. Stand could almost be non-forest.
46	6117 - Lowland Deciduous, Mixed Coniferous	Low Density Pole	45.7	68		Poorly stocked stand with a thick tag understory. Stand is very wet. Do not manage!
47	6139 - Mixed Lowland Forest	Medium Density Pole	136.5	43		Some parts of stand are very low with a few birch, tamarack and black spruce here and there with a heavy balsam fir understory. Other parts of stand have been cut with decent bam, tamarack and spruce/fir regeneration. I took age of the regeneration for the stand age.
48	6121 - Tamarack	Low Density Sapling	24.2	13		Stand was cut in 1999. A mix of spruce/fir and tamarack regeneration.
49	6122 - Black Spruce	Low Density Pole	23.3	64		A couple of patches of timber surrounded by lowland type. Thick tag alder and balsam fir in the lowland type. Impressive east/west ridge in the southwest corner of stand. Alot of budworm damage on sapling balsam fir within the stand.
51	6124 - Lowland Spruce-Fir	Medium Density	72.2	11		Stand was cut in 2001. Great lowland regeneration for an 11 yr old stand. A mix of balsam fir, black spruce, tamarack and aspen. Areas of tag alder exist, too small to delineate. A few scattered white pine and red pine saplings within the stand as well.
53	4319 - Mixed Upland Forest	High Density Sapling	19.5	26		Stand was cut in 1986 and has regenerated back to a balsam fir, red maple, aspen mix. Balsam fir is in very poor condition due to budworm. Balsam fir is thick with a few large red maple and aspen within the stand.
54	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density	92.0	12		Stand was cut in 2000. Stand is a mix of black spruce, tag alder, tamarack, balsam fir, aspen. Stand is filling in well.
58	4130 - Aspen	High Density Sapling	23.6	15		Very nice aspen regeneration, well stocked.
60	4130 - Aspen	High Density Sapling	39.6	8		Regeneration looks good, well stocked. Large red maple scattered within the stand, looks good.
61	6121 - Tamarack	Low Density Pole	10.6	95		Stand of tamarack of different ages. Poor quality stand with a lot of dead standing tamarack. Small tamarack regeneration underneath however. Do not cut due to wet, wet access.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
63	6122 - Black Spruce	High Density Pole	42.4	74		Nice stand of black spruce, mixed with a little red maple and quaking aspen.
64	6112 - Lowland Aspen	Medium Density Log	10.1	78		Stand with low stocking, scattered large aspen and red maple. Tag alder is thick in some areas. Southeast corner of stand is higher ground and is fully stocked with red maple and aspen.
65	6122 - Black Spruce	Low Density Sapling	43.9	35		Stand was highgraded years ago. Small pockets of mature black spruce and tamarack exist amongst thick regeneration of balsam fir and tag alder. A few supercanopy red pine and white pine exist within the stand. Balsam fir understory hit hard by budworm. Cutting the stand would do more harm than good with the amount of regeneration. Let regeneration become the mature stand.
66	6121 - Tamarack	Low Density Log	7.8	125		Poor quality stand of old tamarack. A lot of stems are dead standing. Water table is high with a thick understory of tag alder.
67	6122 - Black Spruce	High Density Pole	12.0	85		Island of black spruce with large white pine scattered within it. Black spruce is old and could be cut. Private land to the North is suppose to be cut soon. Put this stand on LF and set it up when private land is being harvested.
68	6113 - Lowland Maple	High Density Pole	5.5	50	51-80	
70	6130 - Fir, Aspen, Maple	High Density Sapling	16.5	30		Stand looks to have been cut 25 + years ago but nothing shows on old inventory notes. Stand contains a mix of about everything and has a very thick balsam understory.
71	6122 - Black Spruce	High Density Pole	14.3	52		Decent stand of young black spruce. A few remnant old stumps from a former cut exist. Thick balsam fir understory exist.
72	6122 - Black Spruce	Medium Density Pole	8.8	47		Stand was picked over years ago and patches were left. What remains is not enough for a cut. Let regeneration come back.
73	4134 - Aspen, Spruce/Fir	High Density Pole	6.5	56		Stand of old aspen with a thick balsam fir understory. Balsam fir is being defoliated from budworm. Access must be through the private landowner to the South.
77	6121 - Tamarack	High Density Pole	17.0	80		Stand of tamarack mixed with black spruce. Tamarack is dying out around the wet edges of the stand. A few large white birch w/in the stand as well. Stand was prescribed but never cut due to no access 003-04. Do not cut due to access and poor ground. Land may be up for disposal as well?
79	6121 - Tamarack	High Density Pole	23.7	80		A small strip of black spruce exists on the North and then turns into tamarack and bam to the South. Timber is poor quality. Stand was sold awhile back but let go due to no access 003-04. Do not harvest due to access and wet ground. Land may be up for disposal as well. Balsam understory in the North part of stand is being defoliated like crazy, I think it's spruce budworm damage? I don't expect it to last with the amount of defoliation.

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
3	622 - Lowland Shrub	10.5	N\A	Unspecified	
6	622 - Lowland Shrub	3.1	N\A	Unspecified	
8	622 - Lowland Shrub	34.7	N\A	Unspecified	Mostly non-forested with small islands of either jack pine or red pine. Some islands have mature timber but they are too small to delineate.
21	50 - Water	4.4	No	Unspecified	Small stream with an active beaver pond on it.
22	6220 - Alder/willow	101.1	N\A	Unspecified	
26	6220 - Alder/willow	11.1	N\A	Unspecified	
28	629 - Mixed non-forested wetland	17.8	N\A	Unspecified	
30	6220 - Alder/willow	30.5	N\A	Unspecified	
32	3303 - Mixed Low Density Trees	37.8	Natural Regen	Lowland Spruce/Fir	Cut in 2006 but has not regenerated very well as of yet. The low pockets within the stand have filled in with tamarack and a few black spruce. The higher portions of the stand have not regenerated. Get with TMS to do a field survey to see if stand should be planted.
34	330 - Low-Density Trees	6.6	N\A	Unspecified	
39	6220 - Alder/willow	40.3	N\A	Unspecified	
50	6220 - Alder/willow	56.7	N\A	Unspecified	
52	6220 - Alder/willow	12.5	N\A	Unspecified	
55	6220 - Alder/willow	86.6	N\A	Unspecified	
56	6220 - Alder/willow	6.7	N\A	Unspecified	
57	6220 - Alder/willow	12.0	N\A	Unspecified	

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
59	6220 - Alder/willow	3.5	N\A	Unspecified	
62	6220 - Alder/willow	14.1	N\A	Unspecified	
69	6220 - Alder/willow	31.4	N\A	Unspecified	
74	50 - Water	4.6	N\A	Unspecified	
75	6220 - Alder/willow	24.2	N\A	Unspecified	
76	50 - Water	18.5	N\A	Unspecified	
78	6220 - Alder/willow	38.6	N\A	Unspecified	Thick with tag alder!

7 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

* This is a partial list of SCAs for this compartment. Not included are those areas identified under other Department initiatives (Natural Rivers, Deer Wintering Areas, etc.). Those will be identified in separate, future map and report products.

Stand	SCA Type	SCA Name	Acres	Comments

8 – DEDICATED CONSERVATION AREA DETAILS

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

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

Conservation Area	Type	Description
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.