Sault Forest Management Unit
Compartment Review Presentation

Compartment #48 **Entry Year: 2012**
Compartment Acreage: 2,625 **County: Chippewa**

Revision Date: 06/22/2010

Stand Examiner: Jeff Wise

Legal Description: T45N R3W Secs11-14, 23, 24

Identified Planning Goals ('Management Area' or 'RMU', if applicable): North Rudyard

Management Goals: Management this entry will be the selective harvesting of the one large hardwood stand in the compartment. The transition zone from hardwood to cedar swamp consists of several aspen, red maple, birch types and those that are mature, will be managed for even age regeneration. See map for details. There are several stands to be treated bordering the hardwood, however, an old wildlife strip cut in the 1980's will provide a nice buffer/corridor between the hardwood and the new clear cuts.

Soil and Topography: Pickford Silty Clay in the north portion where no treatments will take place. Markey Carbondale Muck underlies the western and southern cedar swamps. Pense Loamy sand is under the northern hardwoods. The compartment in general is flat with some sloping in the transition stands bordering the hardwood.

Ownership Patterns, Development, and Land Use in and Around the Compartment: All State land to the north and north east. There is National Forest to the west called the Delirium Wilderness. There is private on the southeast and east. Rudyard Schools own 160 acres in the interior, as well as 240 acres bordering the southeast corner.
There are two other private landholdings in the interior with hunting camps. The ownership on the east side is a Sugar Bush operation. Land use is hunting, dispersed camping, trail riding on forest roads, and snowmobiling. There are no ORV trails.

Unique, Natural Features: None known at this time. Compartment adjoins the National Forest designated Delirium Wilderness.

Archeological, Historical, and Cultural Features: Four foundations and debris can be found within the compartment. There are no indications of homesteads or logging camps. MNFI has been referenced for any concerned species related to treatments.

Special Management Designations or Considerations: None at this time.

Watershed and Fisheries Considerations: Fisheries Values Minimal. There are no permanent streams in the compartment. There is, however, a small intermittent stream flowing west from Section 11 and also one flowing north from section 12. Those should be protected to ensure occasional invertebrate drift downstream into larger waters and to minimize erosion. This compartment contains an unnamed tributary to the North Branch Pine River, a cold-transitional trout stream. The prescribed treatments are appropriate for the protection of the stream.

Wildlife Habitat Considerations: Compartment 48 is located west of Tilson Road approximately 3 ½ miles north of Rudyard. It is influenced by a sandy ridge beginning near the center of the compartment and continuing east. Northern hardwoods dominate the ridge, while lowland conifers and other lowland types dominate west of it. The northeast contains a mix of lowland hardwoods and other wetland types. Wildlife management will include thinning northern hardwoods to enhance age class and structural diversity, harvesting lowland hardwoods and birch stands along the edge of the sand ridge to maintain young early successional habitat, and protecting lowland cedar stands as well as other marsh areas. Oak, yellow birch, any conifers, and most basswood will be left in hardwood stands. Some large wolfy trees will also be left for nesting and den trees, and a component of beech will be left if present. Wildlife species benefitting from this management include northern goshawk, ruffed grouse, American woodcock, snowshoe hare, white-tailed deer, and bobcat.

Mineral Resource and Development Concerns and/or Restrictions: Surface sediments consist of coarse textured glacial till, peat and muck and lacustrine (lake) clay and silt. There is insufficient data to determine the glacial drift thickness. The Ordovician Trenton and Black River Formations subcrop below the glacial drift. These formations are quarried for stone/dolomite elsewhere in the UP. Gravel pits are located to the east of the compartment. There should be good gravel potential on the upland areas. There is no economic oil and gas production in the UP, currently.

Vehicle Access: The east side has access on reasonably good forest roads mostly in the large hardwood stand. This is also the snowmobile trail. The north side is bounded by the Spile Dam Road and is also a snowmobile trial. There are no other interior roads and the south and west side are inaccessible, even from the Forest Service roads to the west.

Survey Needs: Sec.'s 12, 13, and 14 all need some survey corners. See map for treatment details.

Recreational Facilities and Opportunities: The snowmobile trails are the only designated trails in the compartment. The extensive forest road system in the hardwood allows for ORV riding. Good hunting access to the west and north sides but walk in only into the cedar swamps for the interior. There is not much else to do here unless firewood cutting can be recreational.

Fire Protection: Good roads in the hardwoods and along the north boundary, but the compartment is mostly swamp and lowland brush. There is no water nearby unless the swamps were full. Some ponds may be found here and there.

Additional Compartment Information: None.

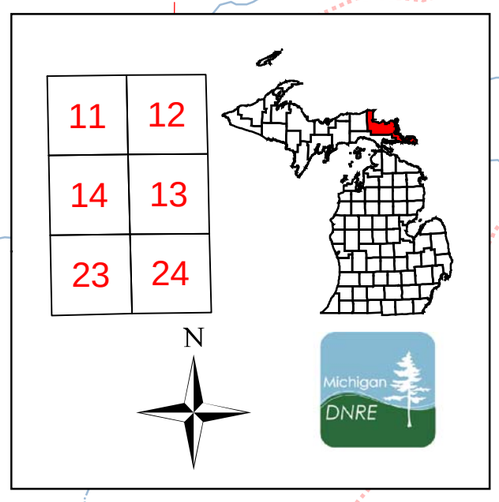
- **The following reports from the Inventory are attached:**
  - **Total Acres by Cover Type and Age Class**
  - **Proposed Treatment Summary**
  - **Proposed Treatments – No Limiting Factors**
  - **Proposed Treatments – With Limiting Factors**
  - **Stand Details (Forested and Nonforested)**
  - **Dedicated and Proposed Special Conservation Areas**

- **The following information is displayed, where pertinent, on the attached compartment maps:**
  - **Base feature information, stand boundaries, cover types, and numbers**
  - **Proposed treatments**
  - **Details on the road access system**

Cover Type & Treatment Map

Compartment 048
T45N, R03W, Sec. 11 - 14, 23, 24
County: Chippewa
Unit: Sault Ste. Marie
YOE: 2012
Acres: 2,625 GIS Calculated
Stand Examiner: Jeffrey Wise
Map Revised: 8/13/2010
Map Phase: Pre-Review

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



Legend
- Miris Corners
- RLS Corners
- Remonumented Section Corners
- Gates
- Berms
- Bridges
- Structures
- <all other values>
- Cable
- Pipe
- Power
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Snowmobile Trails
- Intermittent Stream/Drain
- Stream
- Lakes and Rivers

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

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
- 419 - Mixed Upland Deciduous
- 611 - Lowland Deciduous Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 310 - Herbaceous Openland
- 622 - Lowland Shrub
- 623 - Emergent Wetland

1 0.5 0 1 Miles

84°40'0"W 84°39'0"W 84°38'0"W 84°37'0"W
46°20'0"N 46°19'0"N 46°18'0"N 46°17'0"N 46°16'0"N

Stand Boundary Map

Compartment 048
T45N, R03W, Sec. 11 - 14, 23, 24
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Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
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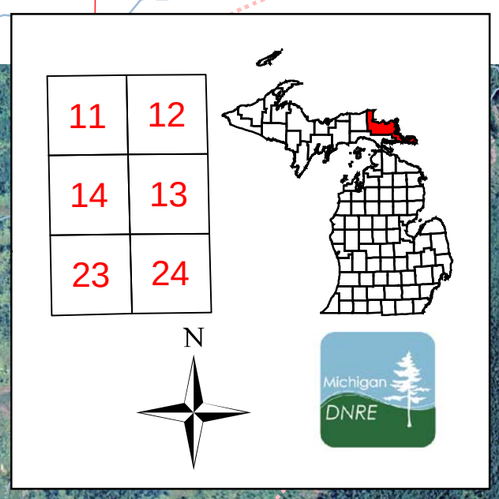


Legend

- Miris Corners
- Remonumented Section Corners
- RLS Corners
- Structures
- Berms
- Gates
- Structures
- Bridges
- Cable
- Pipe
- Power
- Paved Roads
- Gravel Roads
- Poor Dirt Roads
- Closed Roads
- Trails
- Snowmobile Trails
- Stand Boundaries

Forest Stands

Level 3

411 - Northern Hardwood
413 - Aspen Types
414 - Other Upland Deciduous
419 - Mixed Upland Deciduous
611 - Lowland Deciduous Forest
612 - Lowland Coniferous Forest
613 - Lowland Mixed Forest

Non-Forest Stands

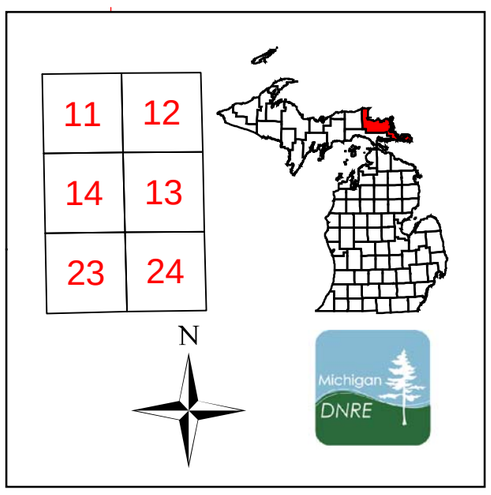
Level 3

310 - Herbaceous Openland
622 - Lowland Shrub
623 - Emergent Wetland

Dedicated & Proposed Special Conservation Area Map

Compartment 048
T45N, R03W, Sec. 11 - 14, 23, 24
County: Chippewa
Unit: Sault Ste. Marie
YOE: 2012
Acres: 2,625 GIS Calculated
Stand Examiner: Jeffrey Wise
Map Revised: 8/13/2010
Map Phase: Pre-Review

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



1 6112-P5
2 6129-Q6
3 6111-P6
4 6139-LM6
5 6129-Q6
6 6111-P5
7 622-L0
8 6117-E6
9 6129-Q6
10 6120-C9
11 6116-B6
12 6119-E6
13 6130-E2
14 6117-E6
15 623-N0
16 6117-E6
17 310-G0
18 6113-E2
19 6112-P6
20 6112-P3
21 6120-C9
22 4199-MD3
23 6120-C6
24 4137-A3
25 4111-M9
26 310-G0
27 622-L0
28 6120-C5
29 6117-E6
30 6116-B6
31 6112-P2
32 622-L0
33 6112-P5

11 12 14 13 23 24

Legend

- Miris Corners
- Remonumented Section Corners
- Stand Boundaries

Proposed Special Conservation Areas

- SCA - Special Conservation Area
- SCA Removal

Deer Wintering Areas

- Deer Wintering Areas
- Cold Water Streams

Forest Stands

Level 3

- 411 - Northern Hardwood
- 413 - Aspen Types
- 414 - Other Upland Deciduous
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Non-Forest Stands

Level 3

- 310 - Herbaceous Openland
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1 0.5 0 1 Miles

84°40'0"W 84°39'0"W 84°38'0"W 84°37'0"W 84°36'0"W
46°20'0"N 46°19'0"N 46°18'0"N 46°17'0"N 46°16'0"N

Table 1 – Total Acres by Cover Type and Age Class

Sault Ste. Marie Mgt. Unit **Compartment 048 Year of Entry 2012**

Data updated before 2:00 PM

Age Class

	Non-Forested	1-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120 +	Uneven Age	Total
Aspen	0	0	0	0	18	0	0	0	0	0	0	0	0	0	0	**18**
Cedar	0	0	0	0	0	0	0	0	0	0	58	0	442	0	0	**500**
Herbaceous Openland	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**7**
Lowland Aspen/Balsam Poplar	0	0	27	39	0	0	0	28	154	0	0	0	0	0	0	**248**
Lowland Conifers	0	0	0	0	0	0	0	0	0	64	0	0	5	0	0	**69**
Lowland Deciduous	0	21	0	0	0	0	0	0	15	143	0	0	0	0	0	**178**
Lowland Mixed Forest	0	50	0	0	0	0	0	0	0	0	0	0	6	0	0	**55**
Lowland Shrub	770	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**770**
Marsh	153	0	0	0	0	0	0	0	0	0	0	0	0	0	0	**153**
Mixed Upland Deciduous	0	0	0	0	27	0	0	0	0	0	0	0	0	0	0	**27**
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	540	0	0	0	**540**
Paper Birch	0	0	0	0	0	0	0	0	25	35	0	0	0	0	0	**59**
Total	**930**	**70**	**27**	**39**	**45**	**0**	**0**	**28**	**194**	**241**	**58**	**540**	**452**	**0**	**0**	**2625**

Table 2 – Proposed Treatment Summaries

Data updated before 2:00 PM

Sault Ste. Marie Mgt. Unit
Year of Entry 2012

Compartment 048
Total Compartment Acres: 2625

Acres by Treatment Type

Commercial Harvest - 1009	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
Lowland Aspen/Balsam Poplar	182	0	0	0	0	0	**182**
Lowland Conifers	64	0	0	0	0	0	**64**
Lowland Deciduous	158	0	0	0	0	0	**158**
Lowland Mixed Forest	6	0	0	0	0	0	**6**
Northern Hardwood	0	540	0	0	0	0	**540**
Paper Birch	59	0	0	0	0	0	**59**
Total	**469**	**540**	**0**	**0**	**0**	**0**	**1009**

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
11	45048011-Cut	24.9	4140 - Other Upland Deciduous	High Density Pole	75	Harvest	Clearcut with Reserves	Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present.

Other Comments: survey needed.

Next Steps: Follwo up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

12	45048012-Cut	35.9	6119 - Mixed Lowland Deciduous Forest	High Density Pole	80	Harvest	Clearcut with Reserves	Mixed Lowland Deciduous Forest	Cmpt. Review Proposal

Prescription Specs: Harvest all species except cedar, oak, hemlock, pine, and yellow birch if present, buffer wetlands by 100 feet.

Other Comments: Survey needed.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.

14	45048014-Cut	70.3	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	84	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except cedar, oak, hemlock, pine, and yellow birch if present.

Other Comments: Survey needed.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable

25	45048025-Cut	539.7	4111 - S.Maple, Hard Mast Association	High Density Log	100	Harvest	Single Tree Selection	S.Maple, Hard Mast Association	Cmpt. Review Proposal

Prescription Specs: Mark half the stand to 80 BA, the other half to 100 BA, will determine where to split stand at time of slae prep. Do not mark yellow birch, oak, or basswood unless neccessary. Dead or dying hardwoods within 100 ft for any road should be marked/cut for firewood to prevent theft which has been occuring in the area.

Other Comments: Survey needed, fence line on south side has always been used as the line?? maybe its good.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.

29	45048029-Cut	14.4	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	80	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present.

Other Comments:

Next Steps: Follow up treatment with regenreration survey as per work instructions. Regeneration of present species acceptable.

Table 3 -- Treatments Prescribed with No Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30	**45048030-Cut**	34.5	6116 - Lowland Birch	High Density Pole	80	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present.

Other Comments:

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Total Treatment Acreage Proposed: **719.7**

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
1	**45048001-Cut**	28.3	6112 - Lowland Aspen	Medium Density Pole	68	Harvest	Clearcut with Reserves	Lowland Aspen	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present.

Other Comment: needs survey

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2F: Too wet
needs survey also

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
3	**45048003-Cut**	7.0	6111 - Lowland Balsam Poplar	High Density Pole	75	Harvest	Clearcut with Reserves	Lowland Balsam Poplar	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present.

Other Comment: low priority

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable

Limiting Factor and No Treatment Reason: 2G: Blocked by physical obstacle
Island in the marsh - no access

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
4	**45048004-Cut**	5.6	6139 - Mixed Lowland Forest	High Density Pole	117	Harvest	Clearcut with Reserves	Mixed Lowland Forest	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, pine, cedar, hemlock, and yellow birch if present.

Other Comment: low priority

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2G: Blocked by physical obstacle
Island in the swamp - no access

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
5	**45048005-Cut**	30.9	6129 - Mixed Coniferous Lowland Forest	High Density Pole	80	Harvest	Clearcut with Reserves	Other Mixed Upland Deciduous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except cedar, pine, oak, hemlock, and yellow birch if present.

Other Comment: Survey needed. Hold ten years and manage with stand 8.

Next Steps: Follow-up treatment with a regeneration survey as per the work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 5E: Age / size class diversity
hold ten years , manage with 8

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
6	**45048006-Cut**	52.4	6111 - Lowland Balsam Poplar	Medium Density Pole	75	Harvest	Clearcut with Reserves	Lowland Balsam Poplar	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, pine, cedar, hemlock, and yellow birch if present

Other Comment: Low priority, larger island in the marsh, would have to freeze in a road, across the swamp, very dry or very frozen conditions, very dry or very frozen conditions.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2G: Blocked by physical obstacle
Low priority, larger isalnd in the marsh, would have to feeze in a road across the swamp.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
8	**45048008-Cut**	15.0	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	78	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, hemlock, pine, and yellow birch if present.

Other Comment: LF manage in ten years with stand 5.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 5E: Age / size class diversity
hold ten years, manage with 5.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
9	**45048009-Cut**	33.1	6129 - Mixed Coniferous Lowland Forest	High Density Pole	80	Harvest	Clearcut with Reserves	Mixed Coniferous Lowland Forest	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present

Other Comment: hold ten years and check, manage with 5 and 8.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2F: Too wet
Not contiguous, boggy and sparse.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
16	**45048016-Cut**	22.0	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	86	Harvest	Clearcut with Reserves	Lowland Deciduous, Mixed Coniferous	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, pine, cedar, hemlock, and yellow birch if present

Other Comment: Low priority, hard to access, would need to feeze a road across the swamp, very dry or very frozen conditions.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2F: Too wet
hard to access- low priority

Table 4 -- Treatments Prescribed with a Limiting Factor

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	**45048019-Cut**	66.6	6112 - Lowland Aspen	High Density Pole	75	Harvest	Clearcut with Reserves	Lowland Aspen	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, pine, cedar, hemlock, and yellow birch if present.

Other Comment: Low priority, blocked by cedar swamp, too far to freeze a road into, probably too wet also.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2G: Blocked by physical obstacle
Low priority, blocked by a half a mile of cedar swamp, probably too wet also.

Stand	Treatment Name	Acres	Stage1 CoverType	Size Density	Stand Age	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
33	**45048033-Cut**	28.2	6112 - Lowland Aspen	Medium Density Pole	77	Harvest	Clearcut with Reserves	Lowland Aspen	Cmpt. Review Proposal

Prescription Specs: Harvest all species except oak, cedar, pine, hemlock, and yellow birch if present.

Other Comment: Very wet and survey needed but meets criteria. Consider optional unit for sales to the north, harvest in very dry or very frozen weather.

Next Steps: Follow up treatment with regeneration survey as per work instructions. Regeneration of present species acceptable.

Limiting Factor and No Treatment Reason: 2F: Too wet
Survey needed also

Total Treatment Acreage Proposed: **289.1**

Sault Ste. Marie Mgt. Unit

5 – Forested Stands

Data updated before 2:00 PM

Compartment: 048
Year of Entry: 2012

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	6112 - Lowland Aspen	Medium Density Pole	28.3	68		Low quality and wet, borders Spile Dam Rd- snow trail in winter.
2	6129 - Mixed Coniferous Lowland Forest	High Density Pole	4.7	117		Small stand of conifer type surrounded by marsh and private
3	6111 - Lowland Balsam Poplar	High Density Pole	7.0	75		Island in the marsh
4	6139 - Mixed Lowland Forest	High Density Pole	5.6	117		Island in the marsh
5	6129 - Mixed Coniferous Lowland Forest	High Density Pole	30.9	80		Snowmobile trail/Spile Dam Rd
6	6111 - Lowland Balsam Poplar	Medium Density Pole	52.4	75		Larger island of timber in the marsh, no access, OI shows 50 BA of balm, aspen, and fir.
8	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	15.0	78		Wet in places, but trees are in good shape
9	6129 - Mixed Coniferous Lowland Forest	High Density Pole	33.1	80		Wet and boggy low land conifers, with tag alder and other ground brush, north part is in better shape to manage than the south.
10	6120 - Lowland Cedar	High Density Log	96.2	117		Almost all cedar, many sawlog size, cedar regen on the north along the wetland border. Found some of the old strip cuts and they are pure balsam fir regen.
11	6116 - Lowland Birch	High Density Pole	24.9	75		Very nice stand, open and "park like" toward the western edge more of a mix toward the east, its not really "lowland" but not high and dry either. Found four log/earth foundations can't tell if its a logging camp or an old settlement, Lat N46' 18.317, Long W084' 38.109.
12	6119 - Mixed Lowland Deciduous Forest	High Density Pole	35.9	80		Stand is in good shape, looks as if it would convert to red maple and fir, if the aspen and birch die off.
13	6130 - Fir, Aspen, Maple	Medium Density	49.7	5		Cut in 2005
14	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	70.3	84		Typical mix of the "E" type, lots of red maple and birch, north end has more aspen. Illegal quad trail through stand.
16	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	22.0	86		No access, island in the lowland brush.
18	6113 - Lowland Maple	Medium Density	20.6	6		Cut in 2004

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
19	6112 - Lowland Aspen	High Density Pole	66.6	75		No access and wet
20	6112 - Lowland Aspen	High Density Sapling	39.2	25		Cut in 1984, has meadows and grassy areas, but wet.
21	6120 - Lowland Cedar	High Density Log	58.0	93		Huge cedar
22	4199 - Other Mixed Upland Deciduous	High Density Sapling	27.2	30		Wildlife cut strip (2-4 chains) between hardwood and cedar, looks good but not quite pulp stand yet, actually has some BI Cherry regen.
23	6120 - Lowland Cedar	High Density Pole	99.3	117		No access, maybe combine with 28, old notes say thick and brushy.
24	4137 - Aspen, Birch	High Density Sapling	18.2	30		Cut in 1978, approaching pole size but avg DBH is around 4"
25	4111 - S.Maple, Hard Mast Association	High Density Log	539.7	100	111-140	Very nice stand for "east end", approaching regulation, but missing 2-4 inch class in places, good regen in places, lots of crop trees and big trees. Some big oaks are dieing and locals are cutting them down and stealing them so we issued wood permits in 2010.
28	6120 - Lowland Cedar	Medium Density Pole	246.4	117		Largest stand in the south part
29	6117 - Lowland Deciduous, Mixed Coniferous	High Density Pole	14.4	80		Softwood is falling out, lots of blowdown.
30	6116 - Lowland Birch	High Density Pole	34.5	80		Nice birch, get it while its good.
31	6112 - Lowland Aspen	Medium Density	26.5	18		May look non forested because there are ponds in the middle.
33	6112 - Lowland Aspen	Medium Density Pole	28.2	77		Low and wet, a lot like stand 2, much of the stand is already regenerating thus canopy call on aspen, Rudyard school has done some cutting so lines are OK, south line will need a survey.

6 – Nonforested Stands

Data updated before 2:00 PM

Stand	Cover Type	Acres	Gen Cmts:
7	6229 - Mixed lowland shrub	578.5	
15	6239 - Mixed Emergent Wetland	153.4	
17	310 - Herbaceous Openland	4.8	
26	3105 - Mixed Upland Herbaceous	1.8	little opening that was 13 acres at one time, probably an ole landing or sugar bush, filling in with aspen, maple, cherry. Could use some set-back, still big enough to camp or "party", or dump trash.
27	6229 - Mixed lowland shrub	184.8	
32	6229 - Mixed lowland shrub	6.7	

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.

Data updated before 2:00 PM

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.

Data updated before 2:00 PM

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.