Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 130
Entry Year 2016
Acreage: 1,608
County Iron
Management Area: Net River

Revision Date: 07/23/2014

Stand Examiner: Linda Lindberg

Legal Description:

T45N, R34W, Sec. 4, 5, 9; T46N, R34W, Sec. 18-22, 27, 28, 32 & 33

Identified Planning Goals:

This is not contiguous ownership but mostly surrounded by industrial land so is accessible. It is a deeryard and highly used by deer and hunters. It has a large component of hardwood and a mixture of swamp and conifer (spruce and balsam) stands. Most parcels are accessible due to harvesting both by us and others. A continuous harvest of hardwood mixed with occasional aspen or conifer stands is the goal.

Soil and topography:

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

As mentioned above, this is broken ownership but is accessible and harvestable. We do have some easements and good relationships with industry in this area. This is a fairly remote area but during deer hunting season has much activity. Cable lake has a fishing access and is used a fair amount.

Unique Natural Features:

No Unique Natural Features known.

Archeological, Historical, and Cultural Features:

No Archeological, Historical, or Cultural Features known.

Special Management Designations or Considerations:

The Compartment is a deer yard.

Watershed and Fisheries Considerations:

Wildlife Habitat Considerations:

This compartment lies in the heart of the Cable Lake-Porter Lake Deer wintering complex. Much of this compartment has been harvested in the last 35 years and much of the thernal cover was removed. It is critical to keep the conifer in the upland and lowlands and to offer some relief in transition zones from snowfall. Hemlock and Cedar are the most valuable tree species for providing excellent winter cover for deer. Hardwood stands that have a pine or hemlock componenet should be protected.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of an end moraine of coarse-textured till. There is insufficient data to determine the glacial drift thickneess. The Precambrian Michigamme Formation subcrops below the glacial drift. The Michigamme does not have a current economic use. Abandoned iron mines are located ten miles to the southeast. This compartment was not previously leased for metallic exploration, but potential may exist. Gravel pits are located in this aea and there is good potential. There is no economic oil and gas production in the UP.

Vehicle Access:

As mentioned, we have easements to some areas and there is a road system in this compartment largely due to industry but gives access to our land also. Fair gravel roads go throughout, and fair to good dirt roads give access also.

Survey Needs:

Because of the scattered parcels there will probably be a need for some survey use.

Recreational Facilities and Opportunities:

The Cable Lake Boat landing is in this compartment.

Fire Protection:

Eventhough these parcels are scattered the road systems that are due to others, mostly, present good access should there be a fire.

Additional Compartment Information:

Moose and wolves have been seen in this compartment along with deer etc.

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 & Treatment Map

Compartment: 130
T45N R34W Sections 4, 5, 8, 9
T46N R34W Sections 18-22, 27-29, 32, 33
County: Iron
Unit: Crystal Falls
Management Area: Net River
YOE: 2016
Acres: 1,608 GIS Calculated
Examiner: Linda Lindberg
Map Revised: 08/27/2014
Map Phase: Pre-Review

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

Legend
- Miris Corners
- Remonumented Section Corners
- PLSS Corner
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
- County Gravel Roads
- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Snowmobile Trail
- Stream
- Intermittent Stream
- Lakes and Rivers
- State Forest Land

Treatments
- Clearcut (w/Reserves, Patch/Strip)
- Thinning (Crown, Low, Systematic)
- Selection (Group, Single Tree)
- Treatments w/ Site Condition

Forest Stands
Level 3
- 411 - Northern Hardwood
- 413 - Aspen Types
- 419 - Mixed Upland Deciduous
- 423 - Other Upland Conifers
- 429 - Mixed Upland Conifers
- 431 - Upland Mixed Forest
- 612 - Lowland Coniferous Forest
- 613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
- 500 - Water
- 622 - Lowland Shrub
- 710 - Sand, Soil

0.5 0 1 Miles

Stand Boundary Map

Compartment: 130
T45N R34W Sections 4, 5, 8, 9
T46N R34W Sections 18-22, 27-29, 32, 33
County: Iron
Unit: Crystal Falls
Management Area: Net River
YOE: 2016
Acres: 1,608 GIS Calculated
Examiner: Linda Lindberg
Map Revised: 08/21/2014
Map Phase: Pre-Review

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

Legend
- Miris Corners
- Remonumented Section Corners
- PLSS Corner
- Snowmobile Trails
- Highway
- County Paved Roads
- Paved Roads
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- Gravel Roads
- Poor Dirt Roads
- County Poor Dirt Roads
- Trail (Non-Recreation)
- Snowmobile Trail
- Stream
- Intermittent Stream
- Stand Boundaries

Forest Stands
Level 3
411 - Northern Hardwood
413 - Aspen Types
419 - Mixed Upland Deciduous
423 - Other Upland Conifers
429 - Mixed Upland Conifers
431 - Upland Mixed Forest
612 - Lowland Coniferous Forest
613 - Lowland Mixed Forest

Non-Forest Stands
Level 3
500 - Water
622 - Lowland Shrub
710 - Sand, Soil

1 0.5 0 1 Miles

Special Conservation Areas & Site Conditions Map

88°37'0"W 88°36'0"W 88°35'0"W 88°34'0"W 88°33'0"W 88°32'0"W

46°23'0"N 46°22'0"N 46°21'0"N 46°20'0"N 46°19'0"N

18 19 20 21 22 29 28 27 32 33 5 4 8 9

1 **622**-L0
2 **4110**-M6
3 **4115**-M6
4 6128-Q6
5 **4112**-M6
6 **4239**-MC6
7 **4191**-MD6
8 **622**-L0
9 **6120**-C9
10 **4119**-M6
11 **6120**-C6
12 **4112**-M6
13 **4319**-UM6
14 **622**-L0
15 **6128**-Q5
16 **710**-Y0
17 **4234**-F6
18 **4319**-UM6
19 **4319**-UM6
20 **622**-L0
21 **6122**-S6
22 **4239**-MC9
23 **622**-L0
24 **4191**-MD9
25 **6120**-C6
26 **6132**-LM6
27 **4119**-M6
28 **4115**-M6
29 **4191**-MD6
30 **4115**-M6
31 **622**-L0
32 **6120**-C6
33 **6124**-Q6
34 Q6
35 **4119**-M6
36 **4115**-M6
37 **4119**-M6
38 **6132**-LM6
39 **6120**-C9
40 **4115**-M9
41 **4115**-M9
42 **6129**-Q6
43 **4110**-M6
44 **4115**-M9
45 **4112**-M9
46 **4119**-M9
47 **6129**-Q9
48 **6129**-Q6
49 **4115**-M9
50 **4110**-M6
51 **4110**-M9
52 **4130**-A3
53 **6124**-Q6
54 **6120**-C6
55 **4112**-M6
56 **4130**-A3
57 **6122**-S6
58 **4119**-M9
59 **4110**-M6
60 **4235**-H9
61 **4112**-M6
62 **6120**-C6
63 **4112**-M9
64 **4119**-M6
65 **6129**-Q6
66 **4112**-M9
67 **4115**-M6
68 **4119**-M6
69 **6124**-Q6
70 **500**-Z0
71 **6128**-Q6
72 **4110**-M6

3L - 017
1D - 9024
1D - 025
3G - 026
3H - 027
3J - 019
3H - 020
3H - 021
3J - 023
3H - 022

Compartment: 130
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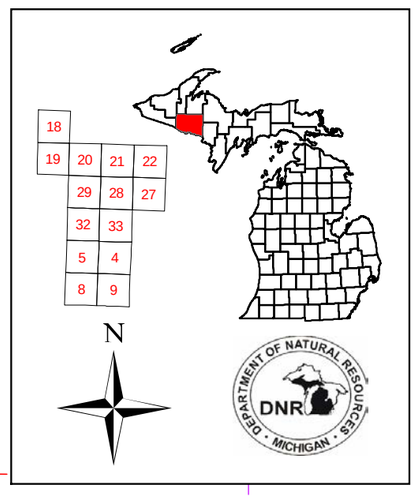

Stand # 23
Stocking Density
(412)0) - A7
Level 3 Level 4 OI Code
Cover Type Code

Legend
- Miris Corners
- Remonumented Section Corners
- Stand Boundaries

Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)

Site Condition Type
- Unavailable Factors
  - 1D: Interest Group / Neighbor
  - 3G: Other Influence zones - See comments
  - 3H: Deer Wintering Areas
  - 3J: Water quality / BMPs (stream, river, or lake)
  - 3L: Other wildlife concerns

Dedicated Special Conservation Areas
- Cold Water Streams
- Cold Water Lakes
- High Priority Trout Stream Buffer

1 0.5 0 1 Miles

Report 1 – Total Acres by Cover Type and Age Class

Crystal Falls Mgt. Unit **Compartment 130 Year of Entry 2016**

Linda Lindberg : 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	34	0	0	0	0	0	0	0	0	0	0	0	0	0	**34**
Cedar	0	0	0	0	0	0	0	115	124	0	0	0	0	0	**239**
Hemlock	0	0	0	0	0	0	0	0	0	0	5	0	0	0	**5**
Lowland Conifers	0	0	0	0	0	0	14	78	94	0	0	0	0	0	**186**
Lowland Mixed Forest	0	0	0	0	0	0	0	0	19	3	0	0	0	0	**22**
Lowland Shrub	106	0	0	0	0	0	0	0	0	0	0	0	0	0	**106**
Lowland Spruce/Fir	0	0	0	0	0	0	19	0	0	0	0	0	0	0	**19**
Mixed Upland Deciduous	0	0	0	0	0	0	0	0	16	0	0	0	0	0	**16**
Northern Hardwood	0	0	0	0	0	0	0	165	578	0	0	0	0	119	**862**
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	**2**
Tamarack	0	0	0	0	0	0	0	11	0	0	0	0	0	0	**11**
Upland Conifers	0	0	0	0	0	0	0	10	2	0	0	0	0	0	**13**
Upland Mixed Forest	0	0	0	9	0	0	0	14	0	0	0	0	0	53	**76**
Upland Spruce/Fir	0	0	0	0	0	0	9	0	0	0	0	0	0	0	**9**
Water	10	0	0	0	0	0	0	0	0	0	0	0	0	0	**10**
Total	**152**	**0**	**0**	**9**	**0**	**0**	**42**	**393**	**832**	**3**	**5**	**0**	**0**	**172**	**1608**

Report 2 – Proposed Treatment Summaries

Crystal Falls Mgt. Unit
Year of Entry 2016

Compartment 130
Total Compartment Acres: 1,608

Acres by Treatment Type

Commercial Harvest - 385	Tree Planting - 0	Other - 0
Habitat Cut - 0	Opening Maintenance - 0	

Cover Type by Harvest Method

	Clearcut	Selection	Seed Tree	Shelterwood	Thinning	Other - Specify	Total Acres
Lowland Coniferous Forest	2	0	0	0	0	0	**2**
Mixed Upland Conifers	10	0	0	0	0	0	**10**
Mixed Upland Deciduous	9	0	0	0	6	0	**16**
Northern Hardwood	0	203	0	0	100	0	**304**
Upland Mixed Forest	53	0	0	0	0	0	**53**
Total	**75**	**203**	**0**	**0**	**107**	**0**	**385**

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
2	12130002-Cut	24.2	4110 - Sugar Maple Association	High Density Pole	80	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Thin stand to 80 BA . Do not cut hemlock, ceder, red and white pine, oak and elm. Note crop trees , thinning all around the crowns of the < 8"DBHand the two biggest competitors of the > than 9"DBH crop trees.

Other Comments: This is private access

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
7	12130007-Cut	6.3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	85	111-140	Harvest	Crown Thinning	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Thin to 80 BA taking out high risk, damaged or trees inpacted by stress or disease. Do not cut cedar, hemlock, red and white pine, elm or oak. Note crop trees thinning all around the crowns of the <8" dbh trees and the two biggest competitors of the >9 " dbh trees.

Other Comments: Private access to get to this stand

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
10	12130010-Cut	8.3	4119 - Mixed Northern Hardwoods	High Density Pole	85	111-140	Harvest	Crown Thinning	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: This stand has a lot of spruce and balsam and some aspen also that can be descriminated against but then thin to 70-90 BA taking out high risk, damaged or trees impacted by stress or disease. Do not cut cedar, hemlock, red and white pine, elm or oak. Note crop trees, thinning all around the <8"dbh and the two biggest competitors of the >9"dbh trees.

Other Comments: private access to get to this stand

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
12	12130012-Cut	1.1	4112 - Maple, Beech, Cherry Association	High Density Pole	85	111-140	Harvest	Crown Thinning	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Thin to 80 BA, leaving best tree in place. Do not cut hemlock, cedar, red and white pine, oak or elm. Note crop trees thinning all around the crowns of the < 8"DBH and the two biggest competitors of the >than 9"DBH trees.

Other Comments: Private access to get to this stand.

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
19	12130019-Cut	52.8	4319 - Mixed Upland Forest	High Density Pole	75	1-50	Harvest	Clearcut with Reserves	4319 - Mixed Upland Forest	Cmpt. Review Proposal

Prescription Specs: Cut all trees 2 inches or more in DBH except do not cut oak, elm, cherry, hemlock, cedar and red and white pine. Do not cut spruce and balsam that is 6 inches in diameter at a 4 inch stump or smaller. Leave all cedar, hemlock, oak, elm, cherry or red and white pine if present in the stand.

Other Comments:

Next Steps: If the regen check fails and spruce and balsam do not regenerate, a red and white pine mix will be planted in the stand instead.

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
24	12130024-Cut	3.1	4191 - Mixed Upland Deciduous with Conifer	High Density Log	85	81-110	Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Cut all aspen and white birch greater than 2 inches DBH and all spruce and balsam that is greater than 6 inches at a 4 inch stump. Do Not Cut oak, elm, cherry, hemlock, cedar and red and white pine. Leave all other hardwood species.

Other Comments: This stand should be winter cut because of access through the swamp.

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
29	12130029-Cut	6.3	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	85		Harvest	Clearcut with Reserves	4191 - Mixed Upland Deciduous with Conifer	Cmpt. Review Proposal

Prescription Specs: Cut all aspen and white birch that is 2 inches or greater DBH. Cut all spruce and balsam that is greater than 6 inches at a 4 inch stump.. Do not cut cedar, hemlock, oak, elm, cherry, red and white pine and red and sugar maple, and yellow birch.

Other Comments:

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
30	12130030-Cut	8.6	4115 - Y.Birch, Hemlock NH	High Density Pole	85	111-140	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Thin to 60-90 BA ltaking out high risk, damaged or trees inpacted by stress or disease. Do not cut hemlock, cedar, oak, elm and red or white pine. Leave an occsional aspen tree for soft snags for wildlife purposes.. Note crop trees thinning around entire crown when crop tree is < 8 inches, and take two greatest competitors when crop tree is > 9 inches.

Other Comments:

Next Steps: Regen survey per certification

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
43	12130043-Cut	27.0	4110 - Sugar Maple Association	High Density Pole	70	111-140	Harvest	Crown Thinning	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Mark stand to 60-90 BA taking out high risk, damaged or trees impacted by stress or disease. Do not cut hemlock, cedar, red and white pine, oak and elm. For crop trees < 8", thin around entire crown. For crop trees > 9" take the two top competitors.

Other Comments: Wet areas will be taken out of the stand before marking

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
46	12130046-Cut	61.7	4119 - Mixed Northern Hardwoods	High Density Log	85	81-110	Harvest	Single Tree Selection	4119 - Mixed Northern Hardwoods	Cmpt. Review Proposal

Prescription Specs: Thin stand to 60-90 BA taking out high risk, damaged or tees impacted by stress or disease. Do not cut cedar, hemlock, red and white pine, elm or oak if present. Thin around entire crop tree < 8" dbh and take the greatest two competitors for crop trees > 9" dbh.

Other Comments: There are wet areas in this stand that will be taken out before it is marked.

Next Steps:

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
51	12130051-Cut	70.3	4110 - Sugar Maple Association	High Density Log	80	111-140	Harvest	Single Tree Selection	4110 - Sugar Maple Association	Cmpt. Review Proposal

Prescription Specs: Thin stand down to 60-90 BA taking out high risk, damaged or trees impacted by stress or disease. Do not cut cedar, hemlock, red and white pine, oak or elm,. Note crop trees, thinning all around the crowns of the <8"dbh and take the two biggest competitors when the tree is > 9" dbh.

Other Comments:

Next Steps: Regen check per certification

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
53	12130053-Cut	2.2	6124 - Lowland Spruce-Fir	High Density Pole	66		Harvest	Clearcut with Reserves	6124 - Lowland Spruce-Fir	Cmpt. Review Proposal

Prescription Specs: Cut all species of trees > 2 inches in diameter leaving all cedar, hemlock, red and white pine, oak, cherry and elm if present. Leave patches of black spruce for seed production and replenishment and to help keep the stand from drying out.

Other Comments:

Next Steps: Regen check per certification.

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
63	12130063-Cut	56.7	4112 - Maple, Beech, Cherry Association	High Density Log	70	111-140	Harvest	Single Tree Selection	4112 - Maple, Beech, Cherry Association	Cmpt. Review Proposal

Prescription Specs: Thin to 60-90 BA. taking out high risk, damaged or trees impacted by stress or disease. Do not cut hemlock, cedar, red and white pine, oak or elm. Note crop trees thinning all around the crowns of the < 8"DBH trees and take the two biggest competitors of the > than 9" DBH trees.

Other Comments:

Next Steps: Regen check per certification

Proposed Start Date: 10/01/2015

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
67	12130067-Cut	39.6	4115 - Y.Birch, Hemlock NH	High Density Pole	85	111-140	Harvest	Crown Thinning	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Thin stand to 60 -90 BA. Do not cut hemlock, cedar, red and white pine, oak or elm. Note crop trees thinning all around the crowns of the < 8" dbh crop trees and taking the two biggest competitors of the > 9" dbh crop trees.

Other Comments: private access to get to this 40.

Next Steps: Regen check per certification.

Proposed Start Date: 10/01/2015

Total Treatment Acreage Proposed: 368.3

Report 4 -- Treatments Prescribed with a Site Condition

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
22	12130022-Cut	10.4	429 - Mixed Upland Conifers	High Density Log	76	1-50	Harvest	Clearcut with Reserves	429 - Mixed Upland Conifers	Cmpt. Review Proposal

Prescription Specs: Cut all trees 2 inches or greater in DBH except oak, elm, cherry, hemlock, cedar, red and white pine if present. Cut all spruce and balsam greater than 6 inches at a 4 inch stump.

Other Comment: This stand has access through private and it is very steep

Next Steps: Regen survey per certification

Proposed Start Date: 10/01/2015

Limiting Factor: 1D: Interest Group / Neighbor

Stand	Treatment Name	Acres	CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Approval Status
28	12130028-Cut	6.0	4115 - Y.Birch, Hemlock NH	High Density Pole	85	111-140	Harvest	Single Tree Selection	4115 - Y.Birch, Hemlock NH	Cmpt. Review Proposal

Prescription Specs: Thin stand to 60-90 BA. taking out high risk, damaged or trees impacted by stress or disease. Do not cut hemlock, cedar, red and white pine, oak and elm. Note crop trees and thin all around the crowns of the <8"dbh trees and take the two biggest competitors of the > than 9" dbh trees.

Other Comment: This stand has best access through private land

Next Steps: Regen chack per certification

Proposed Start Date: 10/01/2015

Limiting Factor: 1D: Interest Group / Neighbor

Total Treatment Acreage Proposed: 16.4

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Linda Lindberg : Examiner

Compartment 130

Year of Entry 2016

Availability for Management

Total Acres	Acres Available	Acres Not Available		Dominant Site Conditions Un	No	3L	3J	3H	3G	1D
34	34		**Aspen**		34					
239	239		**Cedar**		239					
5	5		**Hemlock**		5					
184	47	137	**Lowland Conifers**		47	28	18	91		
22	22		**Lowland Mixed Forest**		22					
19	19		**Lowland Spruce/Fir**		19					
16	16		**Mixed Upland Deciduous**		16					
861	852	9	**Northern Hardwood**		852	0		2	2	6
11		11	**Tamarack**					11		
13	2	10	**Upland Conifers**	0	2					10
76	76		**Upland Mixed Forest**		76					
9		9	**Upland Spruce/Fir**				9			
1,488	1,312	176	Total Forested Acres	0	1,312	28	27	104	2	15
	88%	12%	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
017	**Not Available**	**3L: Other wildlife concerns**	28	3J: Water quality / BMPs (stream, river, or lake)			
	Comments:						
018	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	9				
	Comments:						

019	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	9	3H: Deer Wintering Areas	

Comments:

020	**Not Available**	**3H: Deer Wintering Areas**	12		

Comments:

021	**Not Available**	**3H: Deer Wintering Areas**	22		

Comments:

022	**Not Available**	**3H: Deer Wintering Areas**	38	3J: Water quality / BMPs (stream, river, or lake)	

Comments:

023	**Not Available**	**3J: Water quality / BMPs (stream, river, or lake)**	9	3H: Deer Wintering Areas	

Comments:

024	**Not Available**	**1D: Interest Group / Neighbor**	10		

Comments:

We can probably cut this but must go rhrough private/non industrial land so will put condition to justify if we cannot cut it

025	**Not Available**	**1D: Interest Group / Neighbor**	6		

Comments:

Access through private non industrial land

026	**Not Available**	**3G: Other Influence zones - See comments**	2

Comments:

This has access from the lake but not known access through the private.

027	**Not Available**	**3H: Deer Wintering Areas**	34

Comments:

Report 6 – PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres

Comments

Report 7 – 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	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.

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4110 - Sugar Maple Association	High Density Pole	24.2	80	111-140	There are low areas in here and regen
3	4115 - Y.Birch, Hemlock NH	High Density Pole	28.7	80	81-110	This was cut 10 years ago and some things did die after that.
4	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	28.1	86	81-110	
5	4112 - Maple, Beech, Cherry Association	High Density Pole	18.2	85	81-110	Rocky ground. Comes up out of the swamp
6	42390 - Mixed Non-Pine Upland Conifers	High Density Pole	2.3	88	111-140	This stand is beautiful and is along Porter Lake and Porter Creek.
7	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	6.3	85	111-140	
9	6120 - Lowland Cedar	High Density Log	8.9	86		
10	4119 - Mixed Northern Hardwoods	High Density Pole	8.3	85	111-140	
11	6120 - Lowland Cedar	High Density Pole	7.3	86		
12	4112 - Maple, Beech, Cherry Association	High Density Pole	1.1	85	111-140	
13	4319 - Mixed Upland Forest	High Density Pole	13.8	75	51-80	
15	6128 - Lowland Coniferous, Mixed Deciduous	Medium Density Pole	8.4	74	51-80	
17	42340 - Upland Spruce/Fir	High Density Pole	8.9	67		
18	4319 - Mixed Upland Forest	High Density Pole	9.4	38		
19	4319 - Mixed Upland Forest	High Density Pole	52.8	Uneven Age	1-50	This stand has 28 year old aspen here and there. The birch is older and the conifers are older although they are scattered. The stand seems unhealthy as is although cutting it would not be real productive.
21	6122 - Black Spruce	High Density Pole	1.8	66		
22	429 - Mixed Upland Conifers	High Density Log	10.4	76	1-50	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
24	4191 - Mixed Upland Deciduous with Conifer	High Density Log	3.1	85	81-110	
25	6120 - Lowland Cedar	High Density Pole	12.9	75	81-110	
26	6132 - Mixed Lowland Forest with Cedar	High Density Pole	2.9	95	51-80	
27	4119 - Mixed Northern Hardwoods	High Density Pole	1.9	85	81-110	
28	4115 - Y.Birch, Hemlock NH	High Density Pole	6.0	85	111-140	
29	4191 - Mixed Upland Deciduous with Conifer	High Density Pole	6.3	85		
30	4115 - Y.Birch, Hemlock NH	High Density Pole	8.6	85	111-140	Hard to get to but cuttable and some of the swamp type area is higher land and can be cut also which is right next door.
32	6120 - Lowland Cedar	High Density Pole	43.5	86		
33	6124 - Lowland Spruce-Fir	High Density Pole	11.9	68		
34	6124 - Lowland Spruce-Fir	High Density Pole	9.3	80		
35	4119 - Mixed Northern Hardwoods	High Density Pole	12.1	78	81-110	
36	4115 - Y.Birch, Hemlock NH	High Density Pole	2.0	85	81-110	
37	4119 - Mixed Northern Hardwoods	High Density Pole	16.6	85	81-110	This is a real hilly steep with gullies at the bottom
38	6132 - Mixed Lowland Forest with Cedar	High Density Pole	19.1	85	81-110	
39	6120 - Lowland Cedar	High Density Log	91.9	77		
40	4115 - Y.Birch, Hemlock NH	High Density Log	43.9	85	81-110	Lots of wet swales
41	4115 - Y.Birch, Hemlock NH	High Density Log	119.4	Uneven Age	81-110	
42	6129 - Mixed Coniferous Lowland Forest	High Density Pole	6.7	70	81-110	Nice little swamp ave size 6-8 inch dbh

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
43	4110 - Sugar Maple Association	High Density Pole	27.0	70	111-140	Cedar and Hemlock in stand and hemlock inclusion by the lake which is steep going down to the lake . The inlusion includes hemlock, yellow birch, red maple and cedar
44	4115 - Y.Birch, Hemlock NH	High Density Log	54.4	80	51-80	
45	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	34.0	85	51-80	
46	4119 - Mixed Northern Hardwoods	High Density Log	61.7	85	81-110	
47	6129 - Mixed Coniferous Lowland Forest	High Density Log	11.7	75	81-110	
48	6129 - Mixed Coniferous Lowland Forest	High Density Pole	3.0	78		
49	4115 - Y.Birch, Hemlock NH	High Density Log	36.7	80	81-110	This was cut fairly hard last time. There is regen that is broused.
50	4110 - Sugar Maple Association	High Density Pole	19.8	85	81-110	
51	4110 - Sugar Maple Association	High Density Log	70.3	80	111-140	
52	4130 - Aspen	High Density Sapling	30.2	6		Some of the wetland was cut through and there are a lot of cattails now and the opening seems to have grown, but there is some nice regen in areas.
53	6124 - Lowland Spruce-Fir	High Density Pole	2.2	66		
54	6120 - Lowland Cedar	High Density Pole	10.3	77		
55	4112 - Maple, Beech, Cherry Association	High Density Pole	5.5	85	51-80	
56	4130 - Aspen	High Density Sapling	4.2	6		
57	6122 - Black Spruce	High Density Pole	17.3	66		
58	4119 - Mixed Northern Hardwoods	High Density Log	50.4	85	81-110	
59	4110 - Sugar Maple Association	High Density Pole	2.6	85	51-80	

Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	42350 - Upland Hemlock	High Density Log	4.8	100	51-80	This is along Porter Lake and should be left as is.
61	6121 - Tamarack	High Density Pole	10.9	70		This is a nice swamp that gets smaller as it goes toward the center.
62	6120 - Lowland Cedar	High Density Pole	63.8	86	51-80	Much deer use. This also goes out to a smaller diameter stand.
63	4112 - Maple, Beech, Cherry Association	High Density Log	56.7	70	111-140	
64	4119 - Mixed Northern Hardwoods	High Density Pole	45.8	85	81-110	
65	6129 - Mixed Coniferous Lowland Forest	High Density Pole	22.3	80	81-110	
66	4112 - Maple, Beech, Cherry Association	High Density Log	68.8	70	81-110	
67	4115 - Y.Birch, Hemlock NH	High Density Pole	39.6	85	111-140	There are some hemlock inclusions and vernal ponds
68	4119 - Mixed Northern Hardwoods	High Density Pole	19.8	87	51-80	Hemlock swale on the way into the stand.
69	6124 - Lowland Spruce-Fir	High Density Pole	38.6	79	111-140	There are areas of regeneration where trees have fallen down. This is the buffer for Porter Creek. Hemlock Inclusions
71	6128 - Lowland Coniferous, Mixed Deciduous	High Density Pole	9.5	79	81-110	This is a nice swamp with lots of white pines and is a buffer to Porter Creek.
72	4110 - Sugar Maple Association	High Density Pole	12.1	80	81-110	This is very steep along the bllue line from the private sale. There is white pine throughout the stand.

Report 9 – Nonforested Stands

Stand	Cover Type	Acres	Managed Site	Management Priority (Objective)	General Comments:
1	6229 - Mixed lowland shrub	12.2	No	Unspecified	Farley Creek
8	6229 - Mixed lowland shrub	5.6	No	Unspecified	
14	622 - Lowland Shrub	22.9	Unspecified	Unspecified	
16	710 - Sand, Soil	1.5	No	Unspecified	Gravel pit/camp site
20	6229 - Mixed lowland shrub	2.1	No	Unspecified	
23	6229 - Mixed lowland shrub	27.7	No	Unspecified	
31	6229 - Mixed lowland shrub	35.1	No	Unspecified	
70	50 - Water	10.0	No	Unspecified	Porter Creek