



Compartment Review Presentation

Crystal Falls Forest Management Unit

Compartment 12162

Entry Year 2015

Acreage: 1,129

County Iron

Management Area: Panola Plains

Revision Date: 2013-07-08

Stand Examiner:

Legal Description:

T42N-R32W sections 23-27, 35 and 36.

Identified Planning Goals:

Our management goals in this compartment are to develop age class distribution in aspen types, maintain health of conifer types and increase acreage where possible, and to develop the quality while maintaining diversity in hardwood types.

Soil and topography:

Land is nearly level to hilly with a mix of Karlin and Vilas soils that are excessively drained to well-drained, loamy and sandy soils on ground moraines, end moraines and outwash plains. Some areas contain rock outcrops up to 50 feet in height. Some narrow depressions contain Cathro soils that are poorly drained black muck.

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

Ownership patterns in and around this compartment consist mostly of State lands, County lands to include the Iron County Airport, some power company lands and a few private parcels. These lands are used mainly for hunting and managed for forest products.

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:

Watershed and Fisheries Considerations:

Paint River.

Wildlife Habitat Considerations:

This compartment includes portions of the Little Bull Deeryard. This area has a mixture of uplands and lowlands with large openings interspersed and an airport in the center. Upland plovers have nested in and utilized the area historically. The openings have been maintained by fire, in the past, and that option will likely be used in the future. The lowland conifer types need to be maintained for winter cover for a variety of species. The Paint Rivier corridor provides valuable riparian habitat for deer, bear, furbearers, reptiles and waterfowl.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of glacial outwash sand and gravel and postglacial alluvium and a minor end moraine of coarse-textured till. The glacial drift thickness varies between 50 and 100 feet. The Precambrian Badwater Greenstone and Michigamee Formations subcrop below the glacial drift. There is not a current economic use for these rocks. Abandoned iron mines are located four miles to the north. This general area was previously leased for metallic exploration and potential may still exist. The nearest gravel pit is two miles to the southwest and there may be some potential. There is no economic oil and gas production in the UP.

Vehicle Access:

Good.

Survey Needs:

Seven corners in section 35.

Recreational Facilities and Opportunities:

Kayak route on Paint River.

Fire Protection:

Additional Compartment Information:

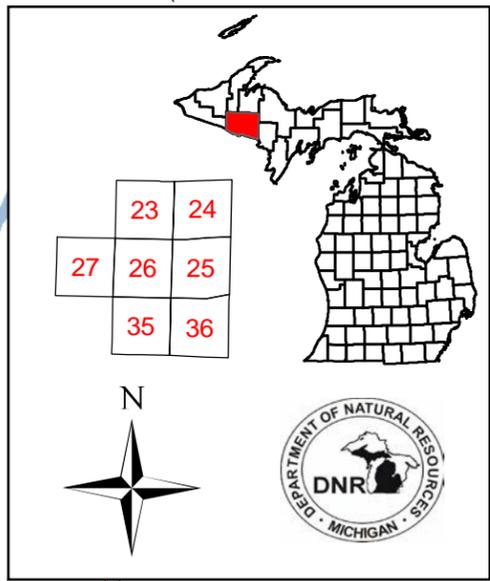
The following reports from the Inventory are attached:

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

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

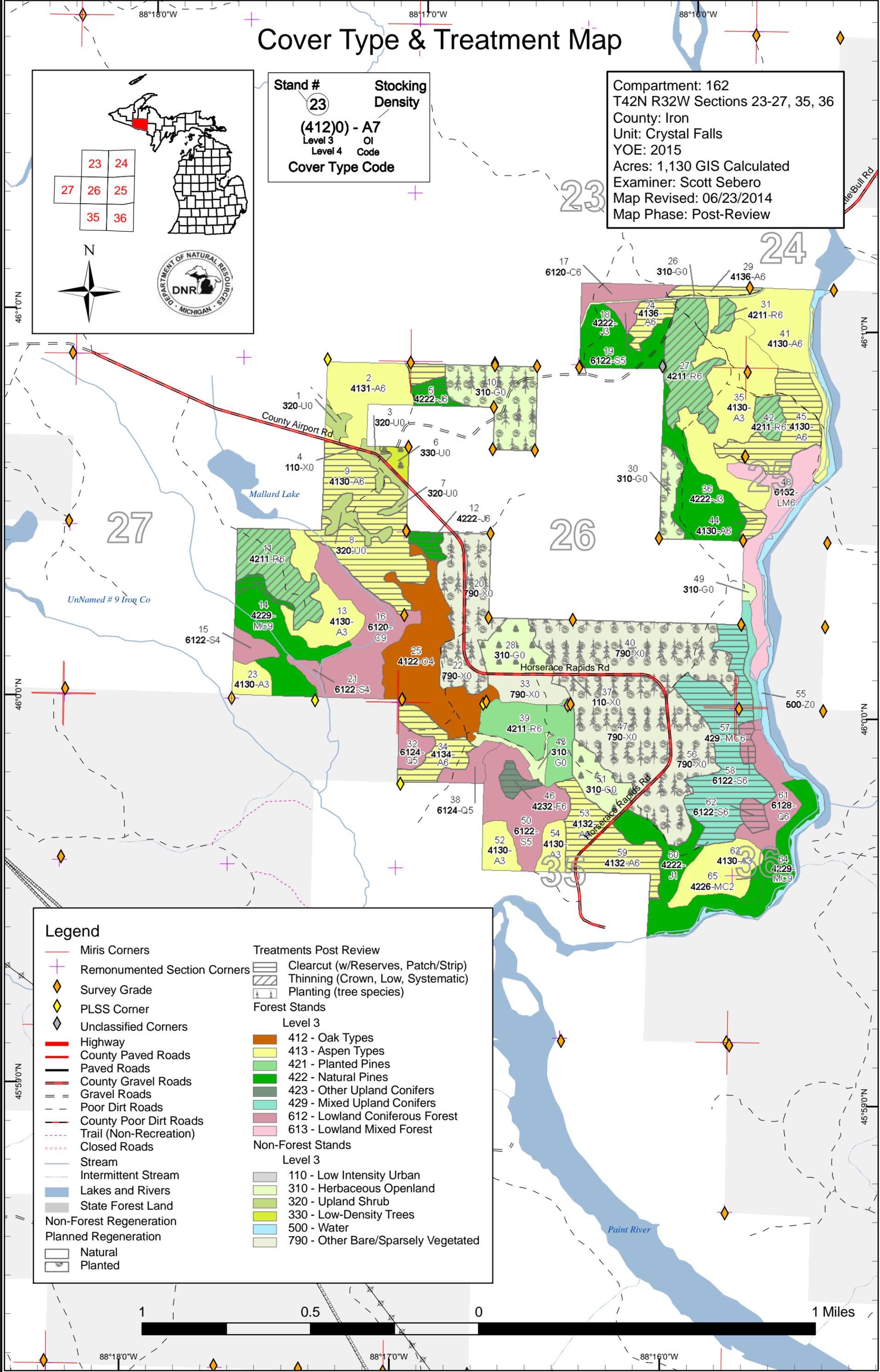
- Base feature information, stand boundaries, cover types, and numbers**
- Proposed treatments**
- Site condition boundaries**
- Details on the road access system**

Cover Type & Treatment Map



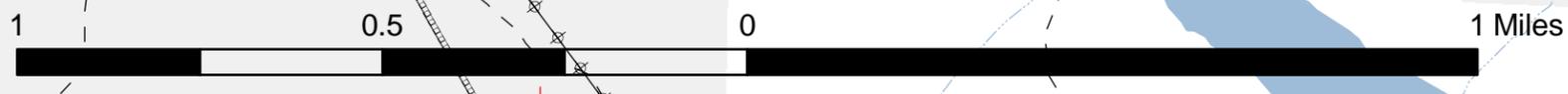
Stand #
23
(412)0 - A7
 Level 3 OI
 Level 4 Code
Cover Type Code

Compartment: 162
 T42N R32W Sections 23-27, 35, 36
 County: Iron
 Unit: Crystal Falls
 YOE: 2015
 Acres: 1,130 GIS Calculated
 Examiner: Scott Sebero
 Map Revised: 06/23/2014
 Map Phase: Post-Review

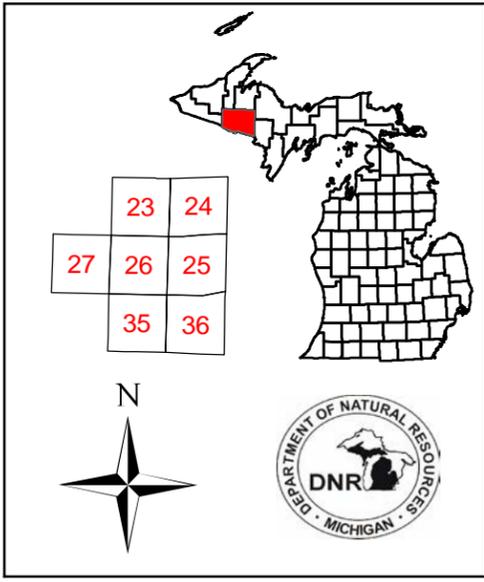


Legend

— Miris Corners	▨ Treatments Post Review
⊕ Remonumented Section Corners	▨ Clearcut (w/Reserves, Patch/Strip)
◆ Survey Grade	▨ Thinning (Crown, Low, Systematic)
◆ PLSS Corner	▨ Planting (tree species)
◆ Unclassified Corners	
— Highway	Forest Stands
— County Paved Roads	Level 3
— Paved Roads	412 - Oak Types
— County Gravel Roads	413 - Aspen Types
— Gravel Roads	421 - Planted Pines
— Poor Dirt Roads	422 - Natural Pines
— County Poor Dirt Roads	423 - Other Upland Conifers
— Trail (Non-Recreation)	429 - Mixed Upland Conifers
— Closed Roads	612 - Lowland Coniferous Forest
— Stream	613 - Lowland Mixed Forest
— Intermittent Stream	Non-Forest Stands
— Lakes and Rivers	Level 3
— State Forest Land	110 - Low Intensity Urban
Non-Forest Regeneration	310 - Herbaceous Openland
Planned Regeneration	320 - Upland Shrub
▨ Natural	330 - Low-Density Trees
▨ Planted	500 - Water
	790 - Other Bare/Sparsely Vegetated

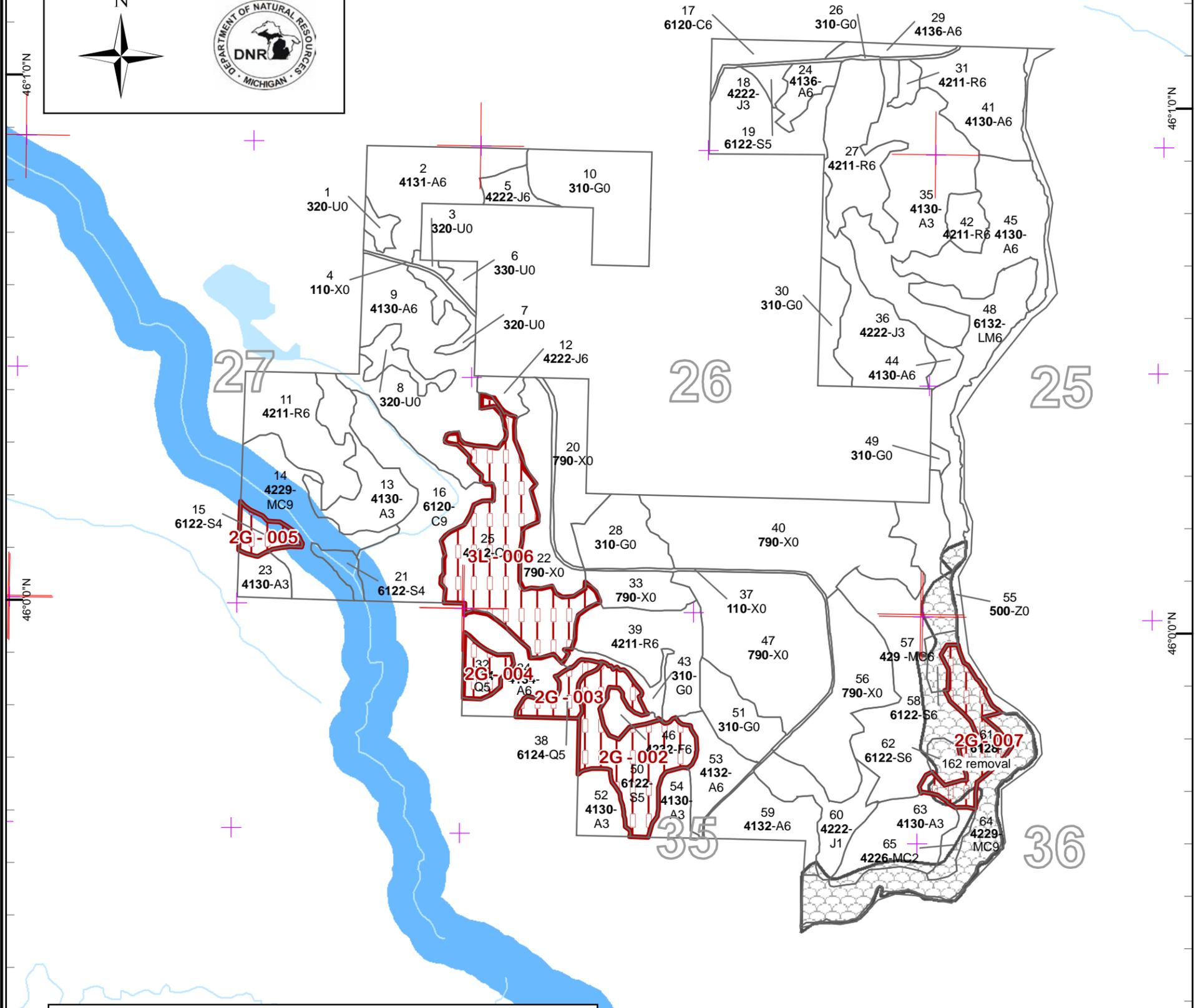


Special Conservation Areas & Site Conditions Map



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

Compartment: 162
 T42N R32W Sections 23-27, 35, 36
 County: Iron
 Unit: Crystal Falls
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 Map Phase: Post-Review



Legend

- Miris Corners
- + Remonumented Section Corners
- Stand Boundaries
- Site Condition Available
- Available w/ Constraints (Factor - Number)
- Unavailable (Factor - Number)
- Site Condition Type
- Unavailable Factors
 - 2G: Too wet (sensitive soils, does not include access issues)
 - 3L: Other wildlife concerns
- Reviewable SCAs
 - Proposed SCA
 - SCA Removal
- Dedicated Special Conservation Areas
 - Cold Water Streams
 - Cold Water Lakes
 - High Priority Trout Stream Buffer

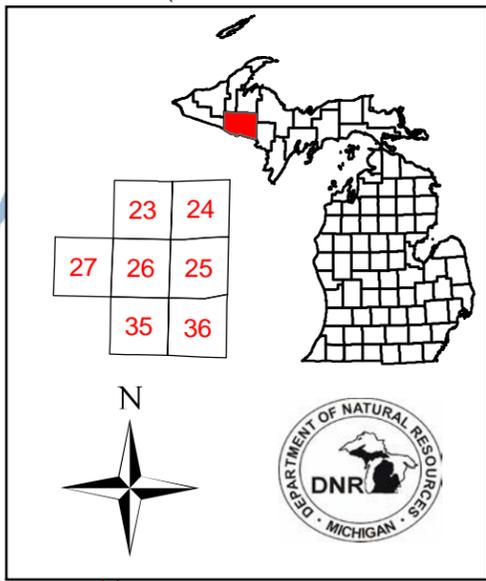


88°18'0"W 88°17'0"W 88°16'0"W 88°15'0"W

46°10'0"N 46°10'0"N 46°10'0"N 46°10'0"N

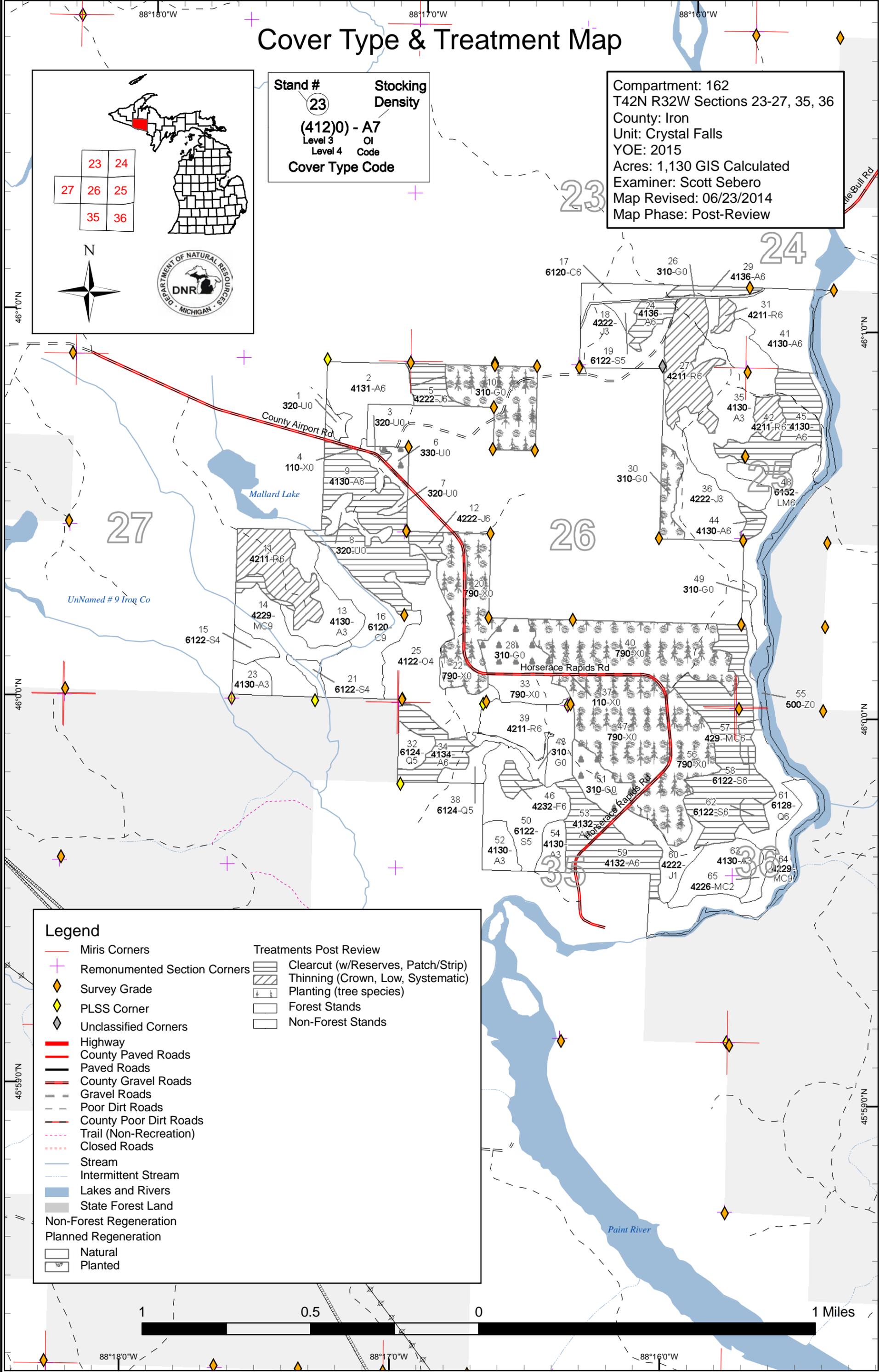
45°59'0"N 45°59'0"N 45°59'0"N 45°59'0"N

Cover Type & Treatment Map



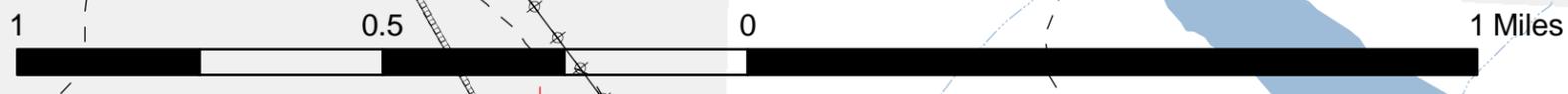
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 Map Phase: Post-Review



Legend

—+— Miris Corners	▨ Treatments Post Review
—+— Remonumented Section Corners	▨ Clearcut (w/Reserves, Patch/Strip)
◆ Survey Grade	▨ Thinning (Crown, Low, Systematic)
◆ PLSS Corner	▨ Planting (tree species)
◆ Unclassified Corners	▨ Forest Stands
— Highway	▨ Non-Forest Stands
— 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	
— Lakes and Rivers	
— State Forest Land	
— Non-Forest Regeneration	
— Planned Regeneration	
▨ Natural	
▨ Planted	



Report 1 – Total Acres by Cover Type and Age Class



Age Class

	Non-Forest	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150+	Uneven-Aged	Total
Aspen	0	54	0	95	0	27	94	0	0	0	51	0	0	0	0	0	0	0	321
Bare/Sparsely Vegetated	191	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	191
Cedar	0	0	0	0	0	0	0	0	0	0	46	0	0	0	0	0	0	0	46
Herbaceous Openland	78	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78
Jack Pine	0	0	0	65	0	0	5	0	0	4	0	0	0	0	0	0	0	0	74
Low-Density Trees	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Lowland Conifers	0	0	0	0	0	0	0	0	0	0	29	0	0	0	0	0	0	0	29
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	30	0	0	0	0	0	0	0	30
Lowland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	50	0	0	0	0	0	0	0	50
Natural Mixed Pines	0	0	0	4	0	0	0	0	0	0	58	0	0	0	0	0	0	0	62
Oak	0	0	0	0	0	0	0	0	0	0	49	0	0	0	0	0	0	0	49
Red Pine	0	0	0	0	27	0	62	0	0	0	0	0	0	0	0	0	0	0	89
Upland Conifers	0	0	0	0	0	0	58	0	0	0	0	0	0	0	0	0	0	0	58
Upland Shrub	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16
Upland Spruce/Fir	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4
Urban	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
Water	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20
Total	315	54	0	164	27	27	219	0	0	4	317	0	1127						



Report 2 – Treatment Summary

Crystal Falls Mgt. Unit
Year of Entry: 2015

Acres of Harvest

Compartment 162
Total Compartment Acres: 1,129

Commercial Harvest - 283
Harvests with Site Condition - 0
Next Step Harvest - 0
Habitat Cut - 221

Cover Type by Harvest Method

	Clearcut	Selection	Patch Clearcut	Seed Tree	Shelterwood	Thinning	Overstory Removal	Salvage	Other	Total Acres
Aspen	144	0	0	0	0	0	0	0	0	144
Jack Pine	9	0	0	0	0	0	0	0	0	9
Lowland Spruce/Fir	7	0	0	0	0	0	0	0	0	7
Natural Mixed Pines	3	0	0	0	0	0	0	0	0	3
Red Pine	0	0	0	0	0	62	0	0	0	62
Upland Conifers	53	0	0	0	0	0	0	0	0	53
Upland Spruce/Fir	4	0	0	0	0	0	0	0	0	4
Total	221	0	0	0	0	62	0	0	0	283

Proposed and Next Step Treatments by Harvest Method

	Harvest	Site Prep	Planting	Seeding	Burning	Pesticide	Monitoring	Other	Non-Forest Mgt.	Total Acres
Current	283	0	221	0	0	0	0	0	0	504
Total	283	0	221	0	0	0	0	0	0	504



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
2	12162002-Cut	3.6	4131 - Aspen, Oak	Poletimber Well	29	51-80	Harvest	Clearcut with Retention	4131 - Aspen, Oak	Even-Aged	Draft Field Boundary

Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and
Specs: hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other To increase aspen regen, don't cut in July or August. Old next step comments: Regen survey per work constructions.
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

5	12162005-Cut	5.4	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	53	51-80	Harvest	Clearcut with Retention	42221 - Natural Jack Pine, Mixed Deciduous	Even-Aged	Draft Field Boundary
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Prescription Cut all aspen and mixed hardwood, except oak and cherry, that are 2" or greater DBH. Cut all mixed softwood, except white pine, that have one
Specs: or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other Plant jack pine when adjacent stand is planted. Old next step comments: Plant jack pine, herbicide if needed.
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

9	12162009-Cut	52.6	4130 - Aspen	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary
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Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and
Specs: hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other To increase aspen regen, don't cut in July or August. 100 foot buffer on creek. Old next step comments: Regen survey per work constructions.
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

11	12162011-Cut	25.2	42110 - Planted Red Pine	Poletimber Well	53	111- 140	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Prescription Cut every third row of red pine. Cut all jack pine, aspen, maple and paper birch with one or more pulpwood sticks.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
12	12162012-Cut	4.1	42220 - Natural Jack Pine	Poletimber Well	80	81-110	Harvest	Clearcut with Retention	42220 - Natural Jack Pine	Even-Aged	Draft Field Boundary

Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and
Specs: hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other Plant jack pine when adjacent stand is planted or scarify if not cut by time adjacent stand is planted. Old next step comments: Plant jack pine or
Comment: scarify.

Proposed Start Date: 10/1 /2014

Site Condition: None

14	12162014-Cut	3.0	42290 - Natural Mixed Pine	Sawtimber Well	90	111- 140	Harvest	Clearcut with Retention	42290 - Natural Mixed Pine	Even-Aged	Draft Field Boundary
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Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and
Specs: hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other Cut small portion at north end of compartment next to stand 11. Old next step comments: Regen survey per work constructions.
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

24	12162024-Cut	7.1	4136 - Aspen, Mixed Conifer	Poletimber Well	54	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary
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Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and
Specs: hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other To promote aspen regen, don't cut in July and August. Old next step comments: Regen survey per work constructions.
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

27	12162027-Cut	27.6	42110 - Planted Red Pine	Poletimber Well	53	141- 170	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Prescription Cut every third row of red pine. Cut all jack pine, aspen, maple and paper birch with one or more pulpwood sticks.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
29	12162029-Cut	4.5	4136 - Aspen, Mixed Conifer	Poletimber Well	54	81-110	Harvest	Clearcut with Retention	4136 - Aspen, Mixed Conifer	Even-Aged	Draft Field Boundary

Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other To promote regen, don't cut in July or August. Old next step comments: Regen survey per work constructions
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

31	12162031-Cut	2.9	42110 - Planted Red Pine	Poletimber Well	53	141- 170	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Prescription Cut every third row of red pine. Cut all jack pine, aspen, maple and paper birch with one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

34	12162034-Cut	15.7	4134 - Aspen, Spruce/Fir	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	4134 - Aspen, Spruce/Fir	Even-Aged	Draft Field Boundary
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Prescription Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and hemlock, that have one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other To promote regen, don't cut in July or August. Old next step comments: Regen survey per work constructions.
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None

42	12162042-Cut	6.2	42110 - Planted Red Pine	Poletimber Well	53	141- 170	Harvest	Systematic Thinning	42110 - Planted Red Pine	Even-Aged	Draft Field Boundary
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Prescription Cut every third row of red pine. Cut all jack pine, aspen, maple and paper birch with one or more pulpwood sticks.

Next Step
Treatments:

Acceptable
Regen:

Other
Comment:

Proposed Start Date: 10/1 /2014

Site Condition: None



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
44	12162044-Cut	3.5	4130 - Aspen	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Old next step comments: Regen survey per work constructions.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											
45	12162045-Cut	27.2	4130 - Aspen	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	4130 - Aspen	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Almost all the aspen has fallen out of SW part of stand. Consider planting red or jack pine in this area if aspen regen isn't adequate. To promote											
<u>Comment:</u> aspen regen, don't cut in July or August. 100 foot buffer on Paint River. Stay on top of hill along river, north of road. Old next step comments: Regen survey per work constructions.											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											
46	12162046-Cut	4.2	42320 - Upland Spruce	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	42320 - Upland Spruce	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Old next step comments: Regen survey per work constructions.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											
53	12162053-Cut	12.6	4132 - Aspen, Jack Pine	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Poor quality off site aspen. Jack pine site. To promote aspen regen, don't cut in July or August. Old next step comments: Scarify areas where											
<u>Comment:</u> clumps of jackpine are cut.											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
57	12162057-Cut	53.0	429 - Mixed Upland Conifers	Poletimber Well	53	81-110	Harvest	Clearcut with Retention	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> To promote aspen regen, don't cut in July and August. Poor quality off site aspen. Jack pine site. 100 foot buffer on Paint River. Stay on top of											
<u>Comment:</u> hill next to river in areas where bank is steep down to wet bottom. Old next step comments: Scarify areas where clumps of jackpine were cut.											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											
58	12162058-Cut	3.3	6122 - Black Spruce	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> 100 foot buffer on Paint River. Old next step comments: Regen survey per work constructions.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											
59	12162059-Cut	17.3	4132 - Aspen, Jack Pine	Poletimber Well	52	81-110	Harvest	Clearcut with Retention	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Off site, poor quality aspen. Jack pine site. To promote aspen regen, don't cut in July or August. Old next step comments: Scarify areas where											
<u>Comment:</u> clumps of jackpine were cut.											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											
62	12162062-Cut	4.1	6122 - Black Spruce	Poletimber Well	90	81-110	Harvest	Clearcut with Retention	6122 - Black Spruce	Even-Aged	Draft Field Boundary
<u>Prescription</u> Cut all aspen and mixed hardwood, except oak, that are 2" or greater DBH. Cut all mixed softwood, except red and white pine, cedar and											
<u>Specs:</u> hemlock, that have one or more pulpwood sticks.											
<u>Next Step</u>											
<u>Treatments:</u>											
<u>Acceptable</u>											
<u>Regen:</u>											
<u>Other</u> Old next step comments: Regen survey per work constructions.											
<u>Comment:</u>											
<u>Proposed Start Date:</u> 10/1 /2014											
Site Condition: None											



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
10	NF_12162010-Plant	30.9	3105 - Mixed Upland Herbaceous	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary

Prescription Mahine trench and hand plant jack pine. Herbicide cherry.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: Stocking check per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None

20	NF_12162020-Plant	18.2	790 - Other Bare/Sparsely Vegetated	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Prescription Cut pockets of merchantable jack pine and aspen. Cut pockets of residual red pine, leaving 3 to 5 trees per acre. Mahine trench and hand plant jack pine. Herbicide aspen and cherry.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: stocking check per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None

22	NF_12162022-Plant	19.9	790 - Other Bare/Sparsely Vegetated	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Prescription Cut pockets of merchantable jack pine and aspen. Cut pockets of residual red pine, leaving 3 to 5 trees per acre. Mahine trench and hand plant jack pine. Herbicide aspen and cherry.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: Stocking check per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None

30	NF_12162030-Plant	9.0	3105 - Mixed Upland Herbaceous	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Prescription Mahine trench and hand plant jack pine.

Specs:

Next Step

Treatments:

Acceptable

Regen:

Other Old next step comments: Stocking survey per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None



S t a n d	Treatment Name	Acres	Stand CoverType	Size Density	Stand Age	BA Range	Treatment Type	Treatment Method	Cover Type Objective	Age Structure	Approval Status
40	NF_12162040-Plant	58.7	790 - Other Bare/Sparsely Vegetated	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary

Prescription Cut pockets of residual red pine, leaving 3 to 5 trees per acre. Mahine trench and hand plant jack pine. Herbicide aspen and cherry. Leave
Specs: pockets of larger aspen and oak regen.

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments: Stocking survey per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None

47	NF_12162047-Plant	50.8	790 - Other Bare/Sparsely Vegetated	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Prescription Cut pockets of residual red pine, leaving 3 to 5 trees per acre. Mahine trench and hand plant jack pine. Herbicide aspen and cherry.
Specs:

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments: Stocking survey per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None

56	NF_12162056-Plant	33.1	790 - Other Bare/Sparsely Vegetated	Nonstocked			Planting	Initial Plant	42120 - Planted Jack Pine	Even-Aged	Draft Field Boundary
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Prescription Cut pockets of residual red pine, leaving 3 to 5 trees per acre. Mahine trench and hand plant jack pine. Herbicide aspen and cherry. Leave
Specs: pockets of larger aspen and oak regen.

Next Step
Treatments:

Acceptable
Regen:

Other Old next step comments: Stocking survey per work constructions.

Comment:

Proposed Start Date: 10/1 /2013

Site Condition: None

**Total Treatment
Acreage Proposed: 503.7**

Dominant Site Conditions

3L	
Aspen	0
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Conifers	
Lowland Mixed Forest	
Lowland Spruce/Fir	
Natural Mixed Pines	
Oak	48
Red Pine	0
Upland Conifers	
Upland Shrub	
Upland Spruce/Fir	
Urban	
Water	
Total Forested Acres	48
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	Dominant Site Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
2	Unavailable		2G: Too wet (sensitive soils, does not include access issues)	30	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Combination of small diameter low volume trees and wet conditions makes this stand undesirable for harvest.								

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 162

Year of Entry: 2015

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Small diameters, low volume and wet conditions make this stand undesirable for harvest.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
6	Unavailable	3L: Other wildlife concerns	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Opening growing in with multiple tree species.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	3H: Deer Wintering Areas	Unspecified	Unspecified
Comments: Lots of wet drainages and rock humps with trees. Lots of deer activity.							

Dominant Site Conditions

3L	
Aspen	0
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Conifers	
Lowland Mixed Forest	
Lowland Spruce/Fir	
Natural Mixed Pines	
Oak	48
Red Pine	0
Upland Conifers	
Upland Shrub	
Upland Spruce/Fir	
Urban	
Water	
Total Forested Acres	48
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
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Combination of small diameter low volume trees and wet conditions makes this stand undesirable for harvest.							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

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Compartment: 162

Year of Entry: 2015

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Small diameters, low volume and wet conditions make this stand undesirable for harvest.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
6	Unavailable	3L: Other wildlife concerns	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Opening growing in with multiple tree species.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	3H: Deer Wintering Areas	Unspecified	Unspecified
Comments: Lots of wet drainages and rock humps with trees. Lots of deer activity.							

Dominant Site Conditions

3L	
Aspen	0
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Conifers	
Lowland Mixed Forest	
Lowland Spruce/Fir	
Natural Mixed Pines	
Oak	48
Red Pine	0
Upland Conifers	
Upland Shrub	
Upland Spruce/Fir	
Urban	
Water	
Total Forested Acres	48
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
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Combination of small diameter low volume trees and wet conditions makes this stand undesirable for harvest.							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 162

Year of Entry: 2015

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Small diameters, low volume and wet conditions make this stand undesirable for harvest.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
6	Unavailable	3L: Other wildlife concerns	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Opening growing in with multiple tree species.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	3H: Deer Wintering Areas	Unspecified	Unspecified
Comments: Lots of wet drainages and rock humps with trees. Lots of deer activity.							

Dominant Site Conditions

3L	
Aspen	0
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Conifers	
Lowland Mixed Forest	
Lowland Spruce/Fir	
Natural Mixed Pines	
Oak	48
Red Pine	0
Upland Conifers	
Upland Shrub	
Upland Spruce/Fir	
Urban	
Water	
Total Forested Acres	48
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
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Combination of small diameter low volume trees and wet conditions makes this stand undesirable for harvest.							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 162

Year of Entry: 2015

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Small diameters, low volume and wet conditions make this stand undesirable for harvest.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
6	Unavailable	3L: Other wildlife concerns	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Opening growing in with multiple tree species.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	3H: Deer Wintering Areas	Unspecified	Unspecified
Comments: Lots of wet drainages and rock humps with trees. Lots of deer activity.							

Dominant Site Conditions

3L	
Aspen	0
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Conifers	
Lowland Mixed Forest	
Lowland Spruce/Fir	
Natural Mixed Pines	
Oak	48
Red Pine	0
Upland Conifers	
Upland Shrub	
Upland Spruce/Fir	
Urban	
Water	
Total Forested Acres	48
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
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Combination of small diameter low volume trees and wet conditions makes this stand undesirable for harvest.							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Compartment: 162

Scott Sebero : Examiner

Year of Entry: 2015

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Small diameters, low volume and wet conditions make this stand undesirable for harvest.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
6	Unavailable	3L: Other wildlife concerns	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Opening growing in with multiple tree species.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	3H: Deer Wintering Areas	Unspecified	Unspecified
Comments: Lots of wet drainages and rock humps with trees. Lots of deer activity.							

Dominant Site Conditions

3L	
Aspen	0
Bare/Sparsely Vegetated	
Cedar	
Herbaceous Openland	
Jack Pine	
Low-Density Trees	
Lowland Conifers	
Lowland Mixed Forest	
Lowland Spruce/Fir	
Natural Mixed Pines	
Oak	48
Red Pine	0
Upland Conifers	
Upland Shrub	
Upland Spruce/Fir	
Urban	
Water	
Total Forested Acres	48
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
2	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	30	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Combination of small diameter low volume trees and wet conditions makes this stand undesirable for harvest.							

Report 5 – Site Conditions

Crystal Falls Mgt. Unit

Scott Sebero : Examiner

Compartment: 162

Year of Entry: 2015

3	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: Small diameters, low volume and wet conditions make this stand undesirable for harvest.							
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
5	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	6	4A: No Markets Available for these Forest Products	Unspecified	Unspecified	Unspecified
Comments: small diameters, low volume and wet conditions make this stand undesirable for harvest.							
6	Unavailable	3L: Other wildlife concerns	49	Unspecified	Unspecified	Unspecified	Unspecified
Comments: Opening growing in with multiple tree species.							
7	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	16	3L: Other wildlife concerns	3H: Deer Wintering Areas	Unspecified	Unspecified
Comments: Lots of wet drainages and rock humps with trees. Lots of deer activity.							



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
162 removal	Other SCA		SCA Removal	71
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	Cold Water Lake	A coldwater lake has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species to persist from year to year. Suitable conditions for coldwater fishes may occur in Michigan lakes if they are relatively deep, have substantial groundwater inflows, or are located in colder (northern) areas of the state. Such lakes are established by Director's action and designated as trout resources by Fisheries Order 200.
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen conditions that allow naturally-reproduced or stocked trout populations and those of other coldwater fish species (e.g., slimy sculpin) to persist from year to year. Coldwater streams in Michigan typically provide these conditions due to substantial contributions of groundwater to their stream flows. Such streams are established by Director's action and designated as trout resources by Fisheries Order 210.
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in which the terrestrial ecosystem influences the aquatic ecosystem and vice-versa. Because of the unique conditions adjacent to lakes, streams and open water wetlands, riparian areas harbor a high diversity of plants and wildlife. Riparian communities are ecologically and socially significant in their effects on water quality and quantity, as well as aesthetics, habitat, bank stability, timber production, and their contribution to overall biodiversity.



Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	4131 - Aspen, Oak	Poletimber Well	29.8	29	51-80	Young pole aspen stand with large red oak left when cut the last time. Red maple stump sprouts.
5	42221 - Natural Jack Pine, Mixed Deciduous	Poletimber Well	5.4	53	51-80	PART OF STAND 6 THAT WASN'T CUT LAST TIME
9	4130 - Aspen	Poletimber Well	52.6	52	81-110	ASPEN IN ROUGH SHAPE
11	42110 - Planted Red Pine	Poletimber Well	25.2	53	111-140	
12	42220 - Natural Jack Pine	Poletimber Well	4.1	80	81-110	
13	4130 - Aspen	Sapling Well	21.4	27	Unspecified	
14	42290 - Natural Mixed Pine	Sawtimber Well	29.3	90	111-140	SOME POCKETS OF ASPEN THAT COULD BE CUT. VERY STEEP ROUGH TERRAIN.
15	6122 - Black Spruce	Poletimber Poor	5.9	90	1-50	CREEK RUNNING THROUGH STAND
16	6120 - Lowland Cedar	Sawtimber Well	37.5	90	81-110	CEDAR AND BLACK SPRUCE WITH HUMPS AND BUMPS OF PINE AND ASPEN. SOME POCKETS OF WET BLACK ASH. SMALL INTERMITTENT CREEK RUNNING THROUGH STAND.
17	6120 - Lowland Cedar	Poletimber Well	8.9	90	81-110	WET STAND. WEST PORTION IS MARSH.
18	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Well	22.0	23	Unspecified	
19	6122 - Black Spruce	Poletimber Medium	3.1	90	51-80	WET
21	6122 - Black Spruce	Poletimber Poor	3.6	90	Unspecified	CREEK RUNNING THROUGH STAND
23	4130 - Aspen	Sapling Well	6.6	27	Unspecified	
24	4136 - Aspen, Mixed Conifer	Poletimber Well	7.1	54	81-110	
25	4122 - Oak, Pine	Poletimber Poor	48.9	90	1-50	OLD OPENING GROWING IN WITH OAK, ASPEN AND PINE.
27	42110 - Planted Red Pine	Poletimber Well	27.6	53	141-170	
29	4136 - Aspen, Mixed Conifer	Poletimber Well	4.5	54	81-110	

S t a n d	Crystal Falls Mgt. Unit		Report 8 – Forested Stands			Compartment: 162	General Comments:
	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	Year of Entry: 2015	
31	42110 - Planted Red Pine	Poletimber Well	2.9	53	141-170		
32	6124 - Lowland Spruce-Fir	Poletimber Medium	6.6	90	1-50		WET
34	4134 - Aspen, Spruce/Fir	Poletimber Well	15.7	90	81-110		
35	4130 - Aspen	Sapling Well	54.0	4	Unspecified		CUT IN 2010
36	42220 - Natural Jack Pine	Sapling Well	26.5	23	Unspecified		
38	6124 - Lowland Spruce-Fir	Poletimber Medium	6.5	90	1-50		WET
39	42110 - Planted Red Pine	Poletimber Well	27.4	32	51-80		
41	4130 - Aspen	Poletimber Well	27.3	48	81-110		STAND STARTING TO BREAK UP. WILL LIKELY LOSE VOLUME IF LEFT 10 YEARS.
42	42110 - Planted Red Pine	Poletimber Well	6.2	53	141-170		
44	4130 - Aspen	Poletimber Well	3.5	90	81-110		NOT CUT WHEN STAND 29 WAS CUT.
45	4130 - Aspen	Poletimber Well	32.0	90	81-110		ASPEN FALLING OUT OF STAND. SOME PARTS OF STAND HAVE LOST ALL ASPEN.
46	42320 - Upland Spruce	Poletimber Well	4.2	90	81-110		sTAND GRADES DOWN TO LOWLAND ON SOUTHERN EDGE.
48	6132 - Mixed Lowland Forest with Cedar	Poletimber Well	29.9	90	81-110		WET
50	6122 - Black Spruce	Poletimber Medium	30.0	90	51-80		WET. CREEK RUNNING THROUGH STAND.
52	4130 - Aspen	Sapling Well	8.8	27	Unspecified		A3 WITH F1 UNDERSTORY
53	4132 - Aspen, Jack Pine	Poletimber Well	12.6	52	81-110		
54	4130 - Aspen	Sapling Well	7.1	27	Unspecified		A3 WITH F1 UNDERSTORY
57	429 - Mixed Upland Conifers	Poletimber Well	58.0	53	81-110		ASPEN OF POOR QUALITY. CONSIDER PLANTING JACK PINE. THIN AREAS OF RED PINE.





Stand	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
58	6122 - Black Spruce	Poletimber Well	3.8	90	81-110	
59	4132 - Aspen, Jack Pine	Poletimber Well	17.4	52	81-110	
60	42221 - Natural Jack Pine, Mixed Deciduous	Sapling Poor	16.2	27	Unspecified	
61	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	16.0	90	51-80	WET DRAINAGE WITH LOTS OF LITTLE HUMPS OF DRY GROUND
62	6122 - Black Spruce	Poletimber Well	4.1	90	81-110	
63	4130 - Aspen	Sapling Well	21.3	28	Unspecified	
64	42290 - Natural Mixed Pine	Sawtimber Well	28.2	90	111-140	STEEP ROCKY HILL DOWN TO PAINT RIVER
65	42260 - Natural Pine, Mixed Deciduous	Sapling Medium	4.2	28	Unspecified	



Stand	Cover Type	Acres	Managed Site	General Comments:
1	3205 - Mixed Upland Shrub	2.9	No	
3	3205 - Mixed Upland Shrub	1.2	No	
4	110 - Low Intensity Urban	1.2	No	
6	3302 - Low Density Conifer Trees	3.4		
7	3205 - Mixed Upland Shrub	5.1	No	
8	3205 - Mixed Upland Shrub	6.5	No	
10	3105 - Mixed Upland Herbaceous	30.9		Pocket of pole sized red pine on SE edge of stand. Jack pine stand cut in 2007. No regeneration present. Plant to jack pine.
20	790 - Other Bare/Sparsely Vegetate	18.2		CLEAN UP STAND BY CUTTING MERCHANTABLE JACK PINE AND ASPEN. PLANT TO JACK PINE.
22	790 - Other Bare/Sparsely Vegetate	19.9		CLEAN UP STAND BY CUTTING MERCHANTABLE JACK PINE AND ASPEN. PLANT JACK PINE.
26	3102 - Grass	2.4	No	
28	3105 - Mixed Upland Herbaceous	16.3		
30	3105 - Mixed Upland Herbaceous	9.0		Plant to jack pine.
33	790 - Other Bare/Sparsely Vegetate	10.7	No	
37	110 - Low Intensity Urban	5.9	No	
40	790 - Other Bare/Sparsely Vegetate	58.7		PLANT JACK PINE
43	3102 - Grass	5.0	Yes	GRASS OPENING
47	790 - Other Bare/Sparsely Vegetate	50.8		PLANT TO JACK PINE



Stand	Cover Type	Acres	Managed Site	General Comments:
49	3102 - Grass	1.3	Yes	
51	3102 - Grass	13.4		OPENING GROWING IN WITH JACK PINE
55	500 - Water	20.1	No	
56	790 - Other Bare/Sparsely Vegetate	33.1		PLANT TO JACK PINE