

Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45172
Entry Year 2019
Acreage: 1,867
County Mackinac

Management Area: Lake Michigan Shoreline

Revision Date: 2017-08-03

Stand Examiner: Matt Edison

Legal Description:

T43N-R9W Sections 15, 22, 23 & 26; Garfield Township

Identified Planning Goals:

There are several treatments within this compartment during this entry. There are four stands scheduled for clear-cut with reserve harvests to regenerate. Also, there is a large northern hardwoods stand to be select cut. There are some red pine plantations that have been planted and are to be monitored for regeneration concerns.

Soil and topography:

An escarpment running generally east and west essentially divides this compartment in half. The north half above the escarpment consist of gently rolling uplands. The area south and below the escarpment is cedar and lowland swamp. There are well drained sands and sandy loams in the uplands. There are poorly drained sands (Paquin-Spot & Wallace) and organic soils in the swamps (Leafriver-Croswell-Wainola).

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

Hiawatha Sportsmen's Club is adjacent to the west. There are small private ownerships with permanent and seasonal homes along U.S. highway 2 to the south. The north and east of the compartment is bordered by state owned land. There is a private 40 acre parcel in the NENE of section 23.

Unique Natural Features:

There is a potential for rare, threatened or endangered plant and animal species and natural communities within this compartment. Stands to be managed will be checked for species of concern. Management will be modified if species are found within those stands per management guidelines for that species.

Archeological, Historical, and Cultural Features:

There is one archaeological sit within this compartment. Proposed treatments present no concerns.

Special Management Designations or Considerations:

TransCanada and Enbridge Oil pipelines run east-west through this compartment. Canadian National Railroad runs through the compartment. Dune and Swale complex in large area below escarpment.

Watershed and Fisheries Considerations:

This compartment contains East Mile Creek which historically supported Brook Trout, Rainbow Trout, and Smelt runs. East Mile Creek is designated a Type 1 trout stream less than 50' width. A 300' buffer is recommended for East Mile Creek in areas susceptible to Aspen regeneration. For all other riparian areas, Best Management Practices should be followed.

Wildlife Habitat Considerations:

Compartment 172 is part of the Lake Michigan Management Area. Featured wildlife species include piping plover and white-tailed deer. The southern half of the compartment is part of deer wintering complex. Cedar and other lowland conifer cover dominate in the southern part of the compartment and provide wintering cover for deer. Cover will be maintained here to support wintering deer. Uplands further north primarily contain aspen, northern hardwoods, some mixed stands, and some red pine stands. Prescribed stands in deer wintering complex will be treated during the winter months (Dec. 1 - Mar. 31) so tops are available as browse for wintering deer. Aspen stands vary in age class, providing for the various habitat requirements of ruffed grouse, American woodcock, snowshoe hare, and other wildlife. Diversity will be promoted in northern hardwood stands.

Mineral Resource and Development Concerns and/or Restrictions

A sand/gravel pit is located just over one mile to the west, in Section 17. Gravel appears to be limited in the area. There may be some dolostone potential within the compartment. There is no current economic oil and gas production in the UP and there is no known metallic mineral potential in this region.

Vehicle Access:

Vehicle access in this compartment is good. U.S. highway 2 runs through the compartment in the south. Mackinac County Road H-40 passes east-west through the center of the compartment. Beach Road is a public poor dirt road and bisects the compartment north-south. Ridge Road and No name Road are public poor dirt roads that offer access to the central and eastern parts of the compartment. There are numerous two tracks and pipeline roads that offer good access to the interior portions of the compartment. During the winter, portions of the pipeline and two tracks in the north are part of the state snowmobile trail system.

Survey Needs:

None needed this entry.

Recreational Facilities and Opportunities:

Hunting of big and small game is very common in this compartment. Fishing is less common, but has been known to occur in this compartment. A state snowmobile trail and numerous two-tracks offer good opportunities for snowmobile and ORV enthusiasts. There is a sand pit on Beach Road that is frequently used as a non-designated shooting range.

Fire Protection:

This compartment is close to the Naubinway Field Office, which would allow for quick initial attack response. Heavy recreational use within this compartment increases the number of potential ignition sources. A concern for fire units would be safely dealing with the pipelines during suppression efforts. East Mile Creek and Lake Michigan could both be uses as water sources. Also, The Black River is just to the East of this compartment. Any fire below the escarpment in the cedar swamp areas would present access and mop-up concerns.

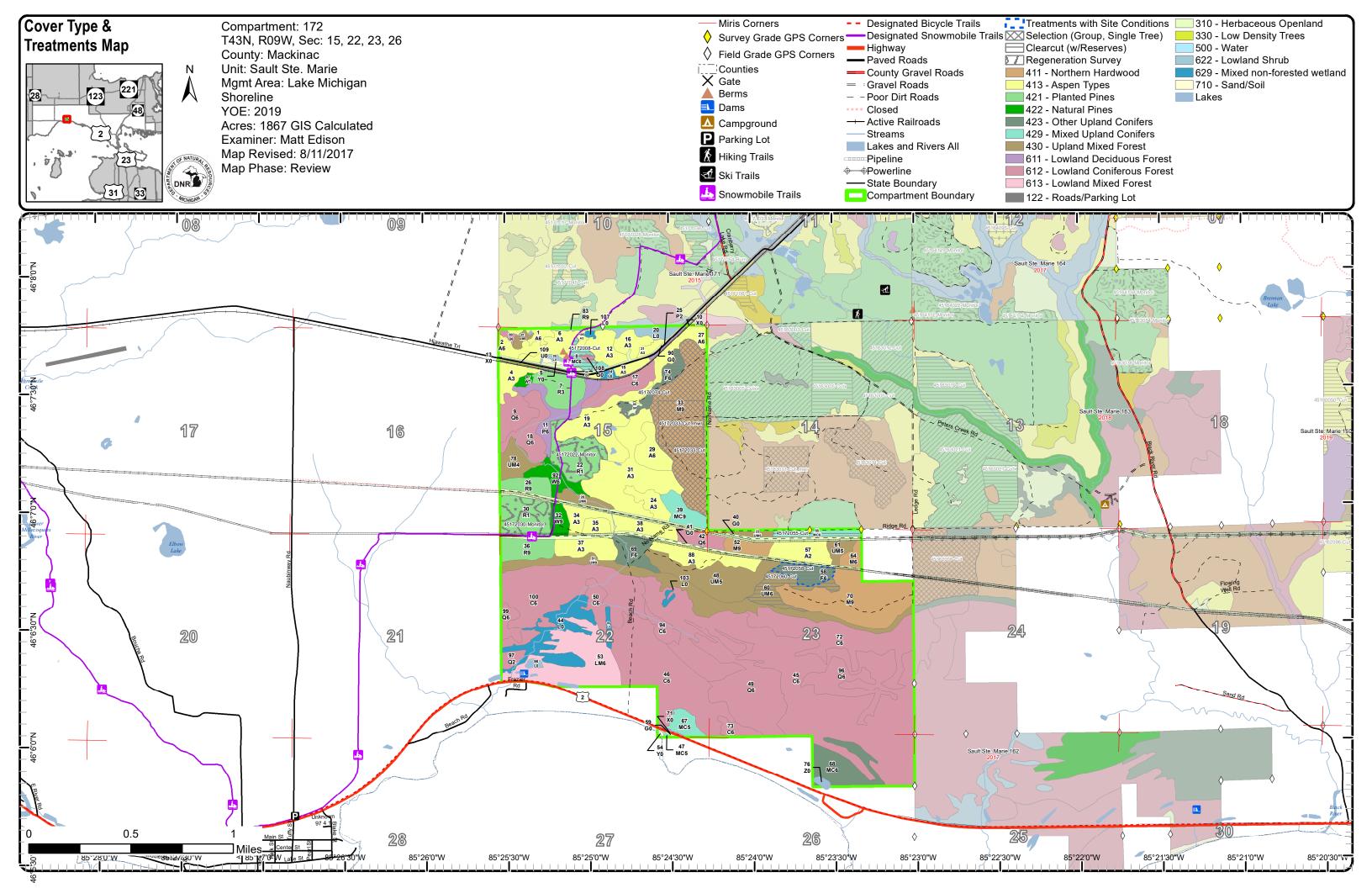
Additional Compartment Information:

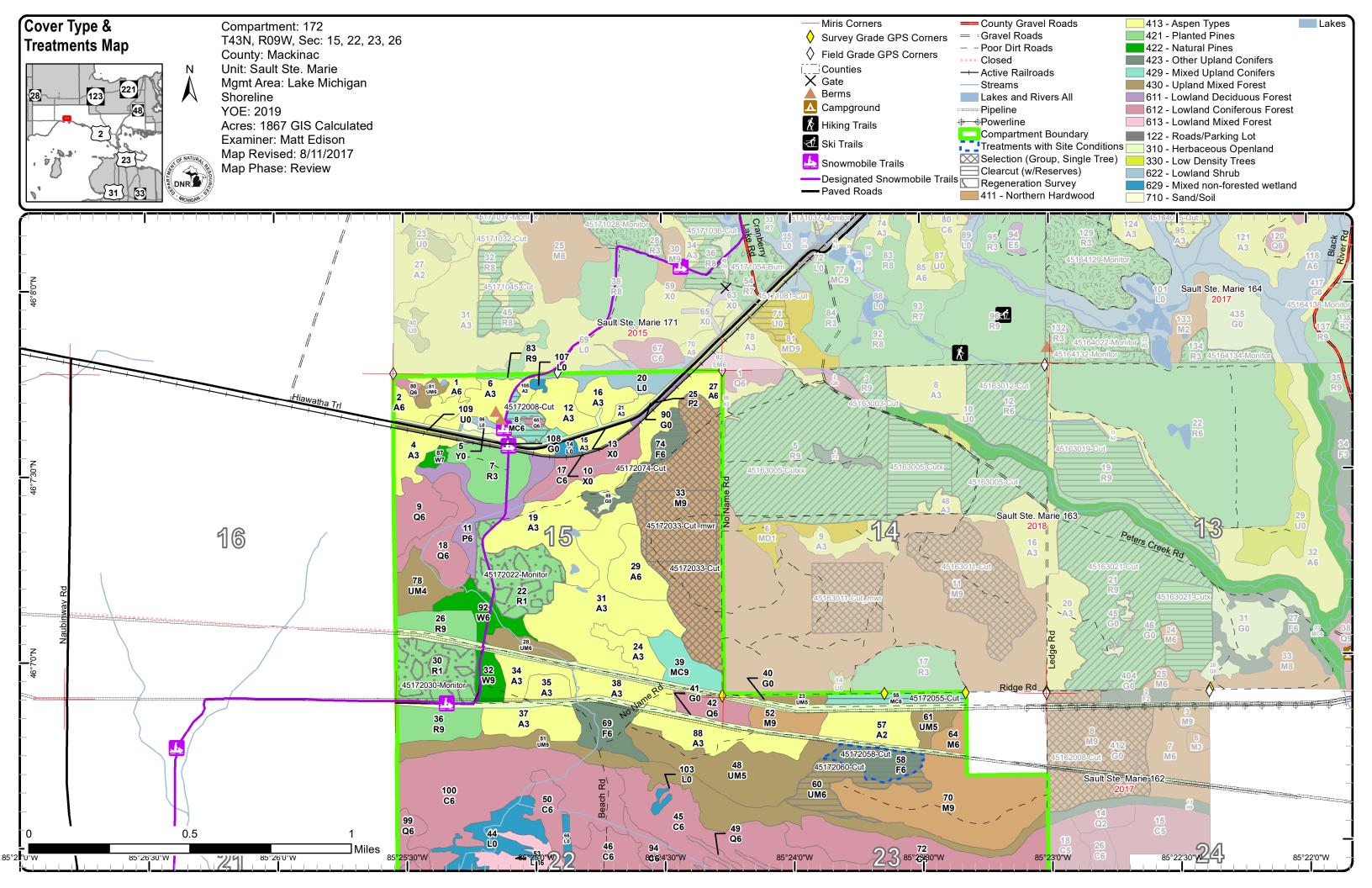
The following reports from the Inventory are attached:

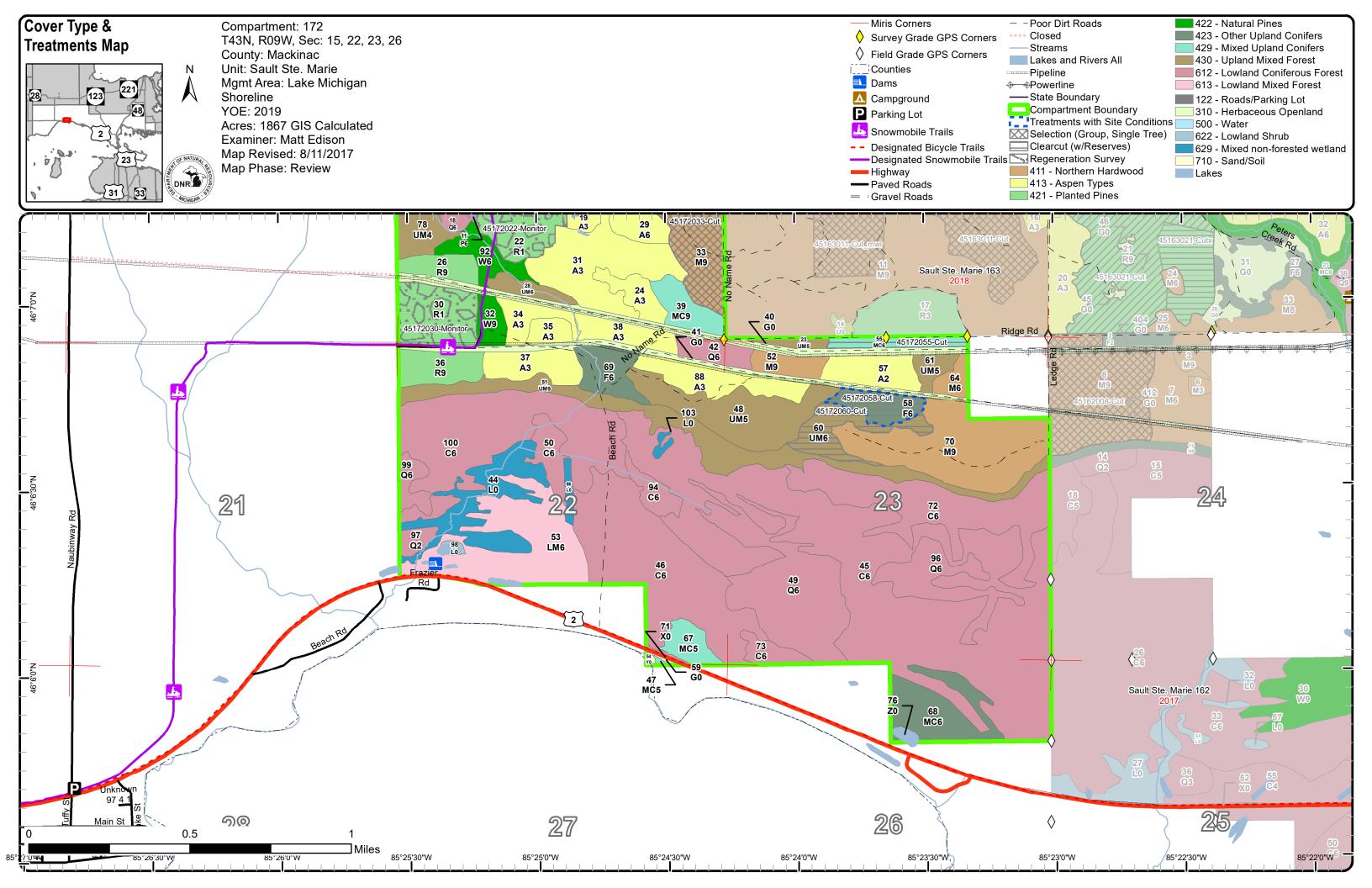
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

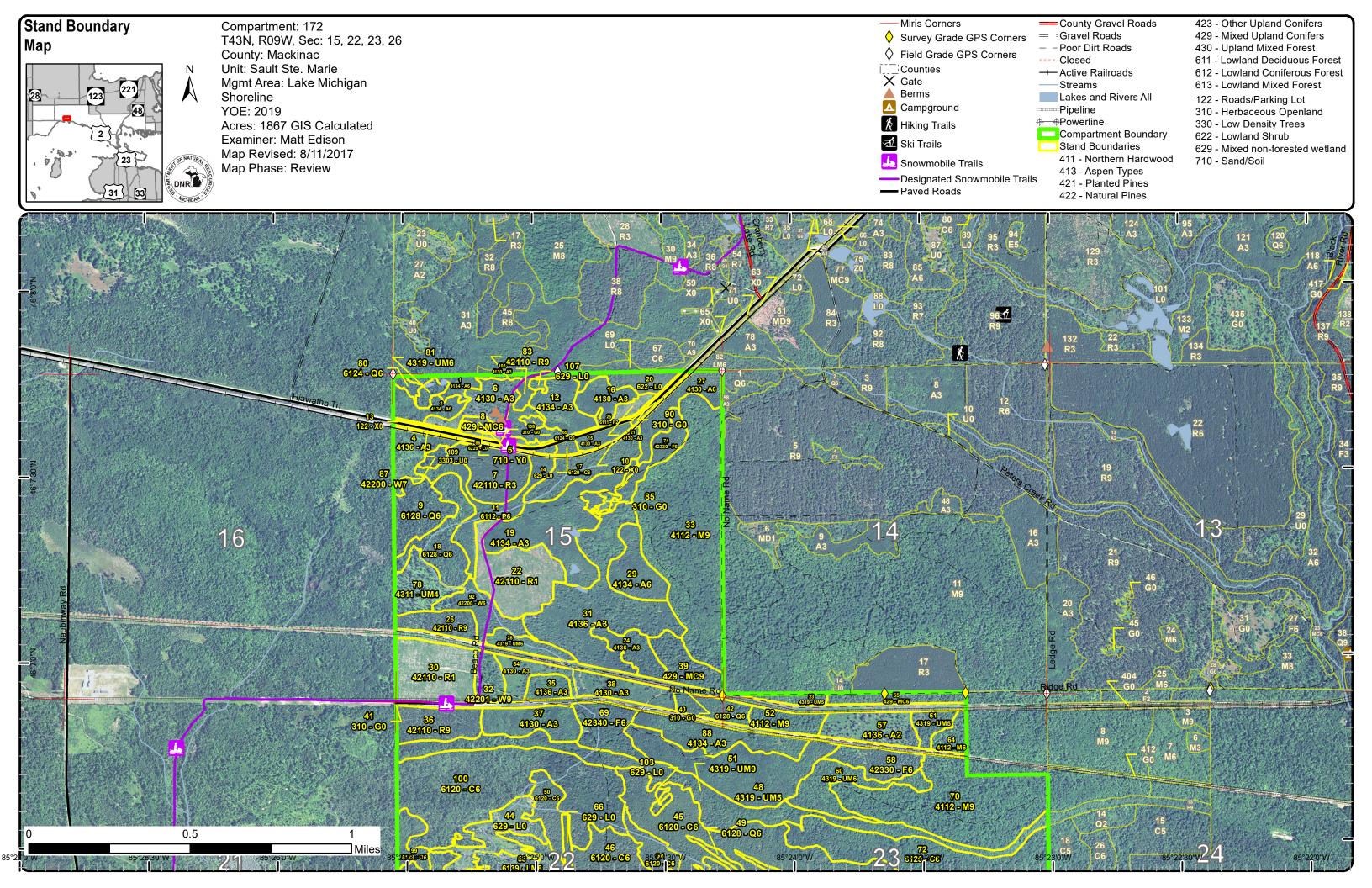
The following information is displayed, where pertinent, on the attached compartment maps:

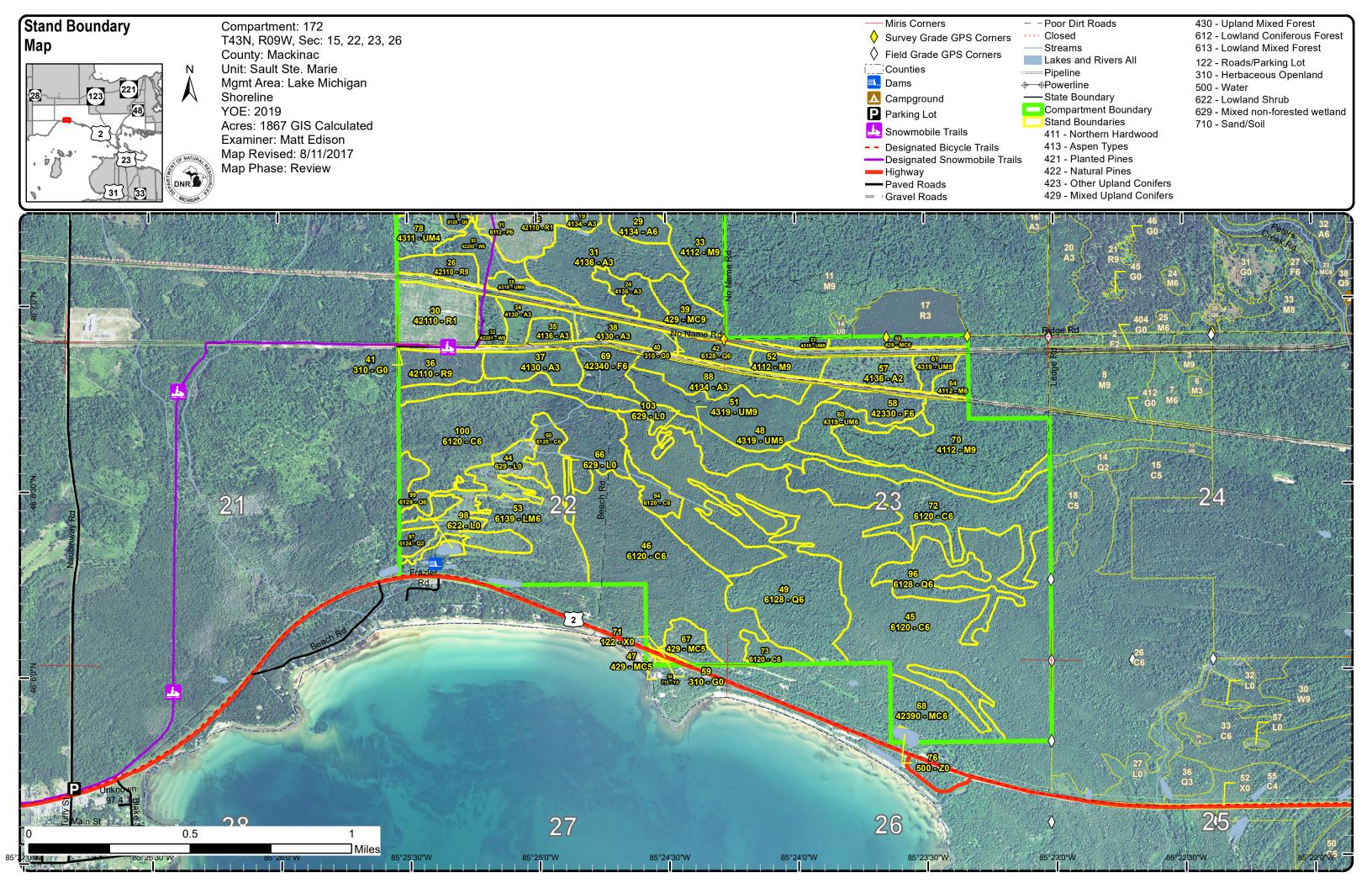
Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries
Details on the road access system

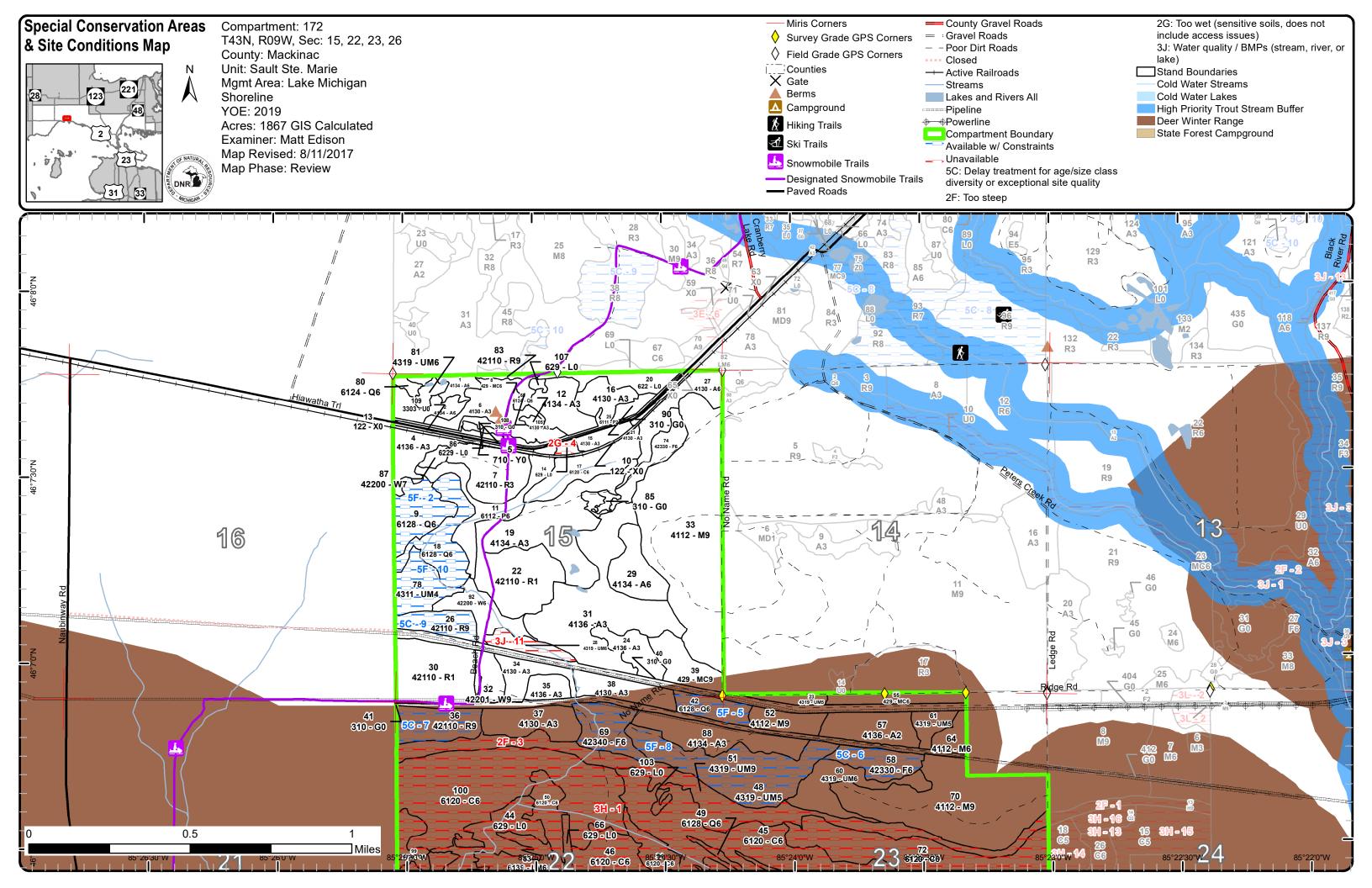


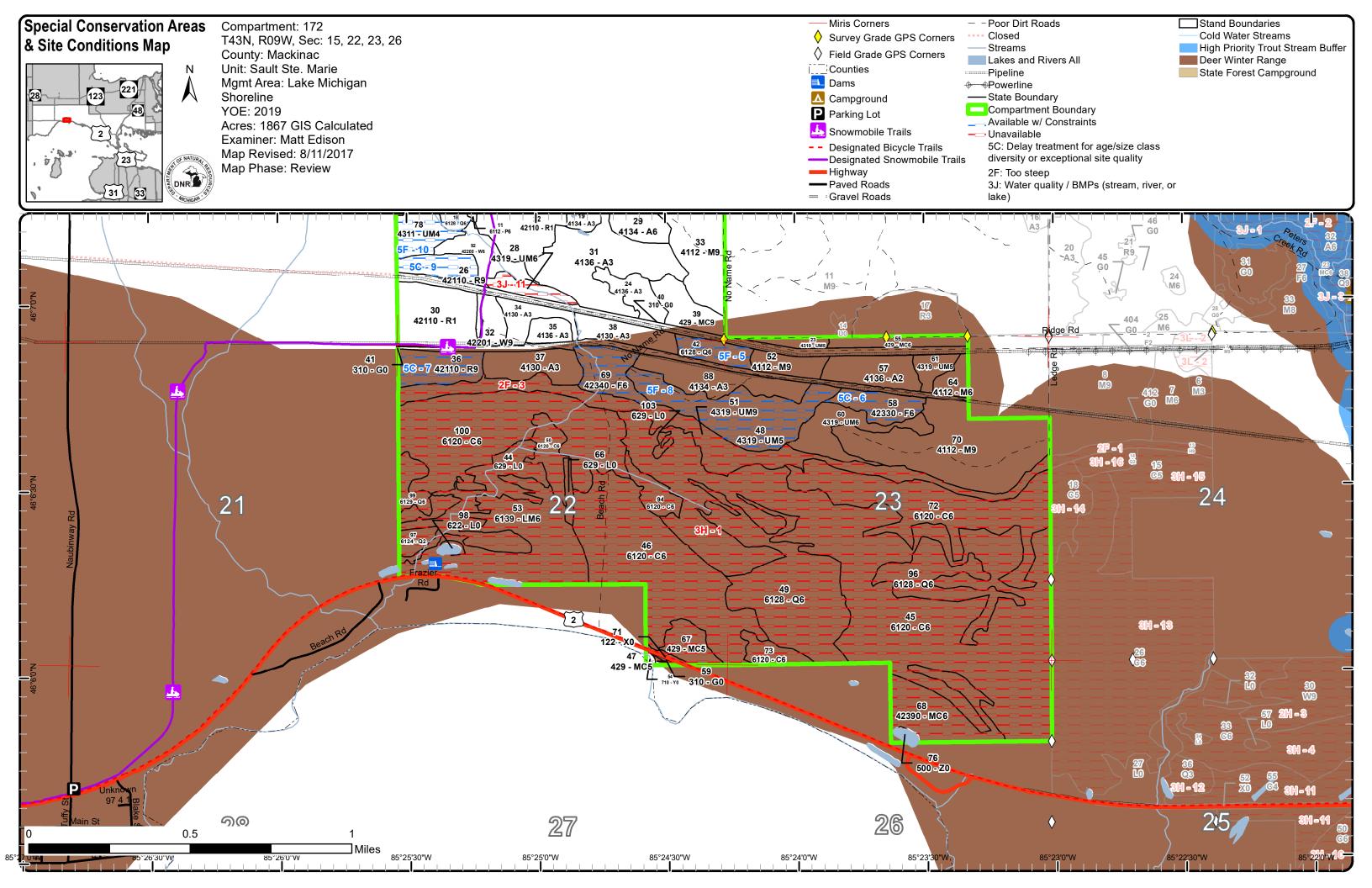












Compartment 172 Year of Entry 2019

Sault Ste. Marie Mgt. Unit

Matt Edison: Examiner



Age Class

	¥o ^c	LA S		\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	8 /4	\$ 20.00	3/8		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	70,	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	\$5.75 \ \$4.75	Z A Z	Ox July	No. No.
Aspen	0	57	117	102	15	16	0	0	0	0	0	0	0	0	0	0	0	0	307
Cedar	0	0	0	0	0	0	0	0	0	9	0	296	207	0	8	0	0	68	588
Herbaceous Openland	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55
Low-Density Trees	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Lowland Aspen/Balsam Poplar	0	0	0	0	21	0	0	0	0	0	0	0	0	0	0	0	0	0	21
Lowland Conifers	0	0	0	0	0	0	7	1	0	32	18	80	29	0	0	0	0	0	166
Lowland Mixed Forest	0	0	0	0	0	0	0	0	0	0	64	0	0	0	0	0	0	0	64
Lowland Shrub	57	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57
Northern Hardwood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	185
Red Pine	0	60	0	21	0	0	0	0	0	30	0	0	0	0	0	0	0	0	111
Sand, Soil	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Upland Conifers	0	0	0	0	0	11	0	8	0	0	0	0	33	0	0	0	0	24	76
Upland Mixed Forest	0	0	0	45	10	0	31	0	0	71	0	0	0	0	0	0	0	0	156
Upland Spruce/Fir	0	0	0	16	0	13	13	0	0	0	0	0	0	0	0	0	0	0	42
Urban	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Water	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
White Pine	0	0	0	0	0	0	0	0	3	14	0	0	0	0	0	0	0	8	24
Total	126	117	117	184	46	40	51	9	3	156	82	376	269	0	8	0	0	285	1866



Report 2 – Treatment Summary

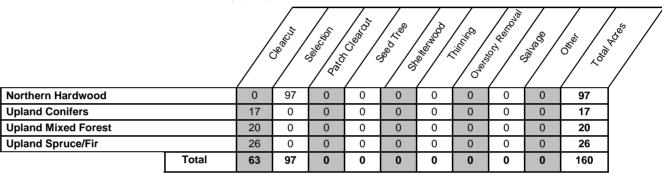
Sault Ste. Marie Mgt. Unit Year of Entry: 2019

Acres of Harvest

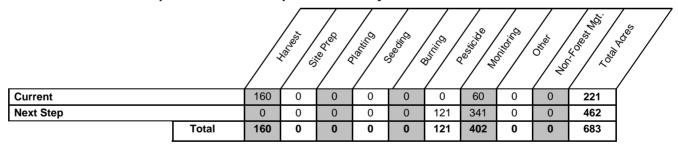
Compartment 172
Total Compartment Acres: 1,867

Commercial Harvest - 147 Harvests with Site Condition - 13 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Compartment: 172 Year of Entry: 2019

S
t
а

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
8	45172008-Cut	7.5 4	29 - Mixed Upland Conifers	Poletimber Well	63	111- 140	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal

Habitat Cut: No Site Condition:

Prescription Harvest leaving White Pine and Cedar. Leave representative trees of current species as appropriate.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of aspen, maple, balsam fir, birch, cedar, spruce, pine, or cherry.

Regen: Other

Comment:

10/01/2018

Proposed Start Date:

42110 - Planted 42110 - Planted 45172022-31.3 Sapling Immatu Monitoring Artificial Even-Aged Draft Field Monitor Red Pine Poor Regen(1yr) Red Pine Boundary re

Habitat Cut: No Site Condition:

Prescription Specs:

Next Step ; Monitoring, Herbicide Use; Pesticide, Aerial; Monitoring, Artificial Regen(3yr); Monitoring, Herbicide Use; Pesticide, Aerial

Treatments:

Acceptable RP

Regen:

Other Percent to Treat = 100%

Comment:

Proposed Start Date: 01/09/2017

45172030-29.0 42110 - Planted 42110 - Planted Draft Field Sapling Immatu Monitoring Artificial Even-Aged Red Pine Poor Regen(1yr) Red Pine Boundary Monitor re

Habitat Cut: No Site Condition:

Prescription Specs:

Next Step

; Monitoring, Herbicide Use; Pesticide, Aerial; Monitoring, Artificial Regen(3yr); Monitoring, Herbicide Use; Pesticide, Aerial **Treatments:**

Acceptable RP

Regen:

Percent to Treat = 100% Other

Comment:

Proposed Start Date: 01/09/2017

45172033-Cut 4112 - Maple, 66.8 Sawtimber 83 81-110 Single Tree 411 - Northern Harvest Uneven-Proposal Beech, Cherry Well Selection Hardwood Aged

Association **Site Condition:**

Prescription Thin lightly to approximately 80 ba. Focus on releasing existing poles and relatively smaller diameters.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Habitat Cut: No

Acceptable Maple, Birch, Yellow Birch, Cherry, Aspen, Hemlock, Aspen.

Regen:

Other

Comment:

Proposed Start Date: 10/01/2018

Compartment: 172 Year of Entry: 2019

s	
t	
а	
n	

Treatment Stand Size Stand BA **Treatment Treatment Cover Type** Acres Age **Approval** Method Objective d Name CoverType Density Age Range Type Structure Status 33 45172033-30.6 4112 - Maple, Sawtimber 83 81-110 Harvest Group Selection 411 - Northern Uneven-Field Boundary Beech, Cherry Well Hardwood Aged Cut_mwr Association

Habitat Cut: No Site Condition:

Prescription Group selection harvest conducted by Mike Walter's research team. This stand will be harvested leaving all tops greater than 8".

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable northern hardwoods

Regen: Other Comment:

Proposed Start Date: 10/01/2016

9.7 429 - Mixed Upland Poletimber 45172055-Cut 54 Clearcut with 4319 - Mixed 111-Harvest Even-Aged Proposal Conifers 140 Retention **Upland Forest**

Habitat Cut: No Site Condition:

Prescription Harvest stand while leaving white pine and representation of current species. Mark some maple to be reserved. Winter harvest.

Specs:

Monitoring, Natural Regen (Intermediate) Next Step

Treatments:

Acceptable Any mix of aspen, birch, balsam/spruce, pine, cherry, cedar, or maple.

Regen:

Other Comment:

10/01/2018 **Proposed Start Date:**

13.4 42330 - Upland Fir Poletimber 50 42340 - Upland 45172058-Cut 111-Harvest Clearcut with Even-Aged Proposal Retention Spruce/Fir

140

Site Condition: Age-Class or Site Quality

Prescription Harvest stand and leave all Hemlock. Also, retain a representation of current existing species by leaving a tree approximately every 80-100'.

Specs: Winter harvest.

Monitoring, Natural Regen (Re-Inventory) Next Step

Treatments:

Habitat Cut: No

Acceptable Any mix of aspen, birch, maple, cherry, balsam fir, spruce, hemlock, cedar, or pine.

Regen:

Other Comment:

10/01/2018 **Proposed Start Date:**

60 45172060-Cut 19.5 4319 - Mixed Poletimber 141-Harvest Clearcut with 4319 - Mixed Even-Aged Proposal

Upland Forest Well 170 **Upland Forest** Retention

Habitat Cut: No Site Condition:

Prescription Harvest stand and leave all Hemlock. Also, retain a representation of current existing species by leaving a tree approximately every 80-100'.

Specs: Winter harvest.

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Any mix of aspen, birch, maple, cherry, balsam fir, spruce, hemlock, cedar, or pine.

Regen:

Other Comment:

Proposed Start Date: 10/01/2018 Sault Ste. Marie Mgt. Unit

Report 3 -- Treatments

Compartment: 172 Year of Entry: 2019 DNR DNR

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
74	45172074-Cut	12.9	42330 - Upland Fir	Poletimber Well	48	141- 170	Harvest	Clearcut with Retention	4319 - Mixed Upland Forest	Even-Aged	Proposal

Habitat Cut: No Site Condition:

<u>Prescription</u> Harvest leaving representative trees of current species at appropriate spacing, approximately 1 tree every 80-100' <u>Specs:</u>

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

s

Acceptable Any mix of aspen, balsam/spruce, birch, maple, cherry, pine, cedar, or hemlock.

Regen:
Other
Comment:

Proposed Start Date: 10/01/2018

Total Treatment Acreage Proposed:

220.7

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

Compartment: 172
Year of Entry: 2019

Availa	ability for	Managemer	nt							
Total	Acres	Acres Avail	Acres	De	omina	nt Site	e Con	dition	s	
Acres	Available	With Condition	Not Available		5C	5F	2F	2G	3Н	3J
308	308	0	0	Aspen						
587	19	0	568	Cedar					568	
55	55	0	0	Herbaceous Openland					0	
1	1	0	0	Low-Density Trees						
21	21	0	0	Lowland Aspen/Balsam Poplar						
166	3	49	114	Lowland Conifers		49			114	
64	0	0	64	Lowland Mixed Forest					64	
57	13	0	44	Lowland Shrub				2	42	
185	185	0	0	Northern Hardwood						
111	83	28	0	Red Pine	28					
2	2	0	1	Sand, Soil					1	
75	31	0	44	Upland Conifers					44	
157	34	60	63	Upland Mixed Forest		60	56			8
43	13	30	0	Upland Spruce/Fir	13	16				
10	9	0	1	Urban					1	
1	0	0	1	Water					1	
25	25	0	0	White Pine						
1,867	800	167	900	Total Forested Acres	41	126	56	2	834	8
	43%	9%	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 Dominant Site No. Cond Availability	Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
1 Unavailable	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	835	3G: Other Influence zones - See comments	1C: Other dept or div proc/practices	Unspecified	Unspecified

Comments:

Large area site condition covering area below large escarpment. Lots of variable lowland with wet seeps and poor quality timber. Traditionally a hands off area with dune and swale environment mixed within a large portion of the area covered.

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

2	Available	Available 5F: Evaluated for Forest Health Considerations		Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
3	Unavailable	2F: Too steep	56	3H: Deer Wintering Area - habitat is incompatible with harvest at this time	Unspecified	Unspecified	Unspecified
	Comments:						
4	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	2	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
5	Available	5F: Evaluated for Forest Health Considerations	10	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	13	5F: Evaluated for Forest Health Considerations	Unspecified	Unspecified	Unspecified
	Comments:						

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

7	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	17	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
8	Available	5F: Evaluated for Forest Health Considerations	62	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						
9	Available	5C: Delay treatment for age/size class diversity or exceptional site quality	11	Unspecified	Unspecified	Unspecified	Unspecified
C	comments:						
10	Available	5F: Evaluated for Forest Health Considerations	36	5C: Delay treatment for age/size class diversity or exceptional site quality	Unspecified	Unspecified	Unspecified
C	Comments:						
11	Unavailable	3J: Water quality / BMPs (stream, river, or lake)	8	Unspecified	Unspecified	Unspecified	Unspecified
C	Comments:						

Mgt. Unit

Compartment: #Type! Year of Entry:



Report 5 - PROPOSED SPECIAL CONSERVATION AREA* (SCA) DETAILS

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

SCA Name	SCA Category	Detail Type	Recommendation	Acres
Comments				

Sault Ste. Marie Mgt. Unit Compartment: 172
Year of Entry 2019



Report 6 – EXISTING SPECIAL CONSERVATION AREA DETAILS

* This is a list of SCA's for this compartment along with a 1/4 mile buffer surrounding the compartment. Refer to the Special Conservation Area Map for locations of the below listed Conservation Areas.

Conservation Area	ı Туре	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
SCA	Cold Water Stream	A coldwater stream has temperature and dissolved oxygen cond stocked trout populations and those of other coldwater fish speci year to year. Coldwater streams in Michigan typically provide the contributions of groundwater to their stream flows. Such streams designated as trout resources by Fisheries Order 210.	es (e.g., slimy sculpin) to persist from se conditions due to substantial
SCA	Habitat Area	An area that provide some specific need for the life cycle of wildl and Waterfowl Production Areas, deer wintering complexes in lo openings and savannas. Habitat areas are distinct from critical h endangered or threatened species (such as Kirtland's warbler or general in nature, are not primarily associated with threatened or covered by species recovery plans that are developed in coopera	wland conifer communities, grassland abitat designated for recovery of piping plover areas) in that they are more endangered species, and are not
SCA	Riparian Area	A transitional area between aquatic and terrestrial ecosystems in influences the aquatic ecosystem and vice-versa. Because of the streams and open water wetlands, riparian areas harbor a high communities are ecologically and socially significant in their effects as aesthetics, habitat, bank stability, timber production, and their	e unique conditions adjacent to lakes, liversity of plants and wildlife. Riparian cts on water quality and quantity, as well

S t	Sault Ste. Marie	e Mgt. Unit		Report 7	- Forested	Stands Compartment: 172 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
1	4134 - Aspen, Spruce/Fir	Poletimber Well	5.6	33	111-140	Good looking mixed stand. Check in 10 years for potential harvest. Aspen still smaller pole size, some submerchantable.
2	4134 - Aspen, Spruce/Fir	Poletimber Well	9.1	33	51-80	Complete species mix of pole/sapling regeneration. Some areas of low wet ground with cedar.
4	4136 - Aspen, Mixed Conifer	Sapling Well	12.1	14	Immature	Stand of mixed regeneration following harvest. Cut in 2003. 45-111-00-01 "Swirled Stump Aspen". Good looking regeneration. Some areas of wet mixed in. Scattered residual White Pine.
6	4130 - Aspen	Sapling Well	13.1	3	Immature	Cut in 2014, 45-108-09-01 "Derek's Debut". Good lookin Aspen regen. Scattered Large WP left.
7	42110 - Planted Red Pine	Sapling Well	21.1	23	141-170	R3 that is about 6 inches, not quite 2 stick average heights. Check in 10years for 3rd row thin.
8	429 - Mixed Upland Conifers	Poletimber Well	7.5	63	111-140	Mature stand of aspen and mixed conifer. Scattered large white pine.
9	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	17.7	90	Unspecified	
11	6112 - Lowland Aspen	Poletimber Well	19.3	36	141-170	Immature Aspen with pockets of mixed lowland conifer in wetter areas.
12	4134 - Aspen, Spruce/Fir	Sapling Well	13.9	14	Immature	Stand of mixed regeneration following harvest. Cut in 2003. 45-111-00-01 "Swirled Stump Aspen". Good looking regeneration. Some areas of wet mixed in. Scattered residual White Pine.
15	4130 - Aspen	Sapling Well	6.0	14	Unspecified	Stand was cut in 2003. #45-111-00-01. "Swirled Stump Aspen".
16	4130 - Aspen	Sapling Well	10.1	14	Immature	Cut in 2003. 45-111-00-01 "Swirled Stump Aspen". Very good looking aspen regen.
17	6120 - Lowland Cedar	Poletimber Well	19.0	106	Unspecified	Low and cedar mix, tag alder in wettest places.
18	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	21.5	88	141-170	Smaller sized mixed conifer in cedar. Quite low in places with floor of sphagnum moss. Drainage runs through the stand.
19	4134 - Aspen, Spruce/Fir	Sapling Well	39.7	27	Immature	Mixed menagerie of upland species regeneration. Nice looking stand that is stocked nicely. Scattered white pines within small openings. Stand was cut in 1990. 45-016-89-01 "Beach Road Aspen Sale".
21	4130 - Aspen	Sapling Well	3.2	3	Immature	Cut in 2014, 45-108-09-01 "Derek's Debut". Nice Aspen mixed regen.

S t	Sault Ste. Marie		Report 7	' – Forested	Stands Compartment: 172 Year of Entry: 2019	
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
22	42110 - Planted Red Pine	Sapling Poor	31.3	2	Immature	Cut in 2011-12. 45-115-09-01 "Pinus Pipelineus". Planted in 2015.
23	4319 - Mixed Upland Forest	Poletimber Medium	4.4	54	81-110	
24	4136 - Aspen, Mixed Conifer	Sapling Well	10.7	15	111-140	
25	6111 - Lowland Balsam Poplar	Sapling Medium	1.6	39	Unspecified	
26	42110 - Planted Red Pine	Sawtimber Well	11.1	80	111-140	Thinned in 2011-12. 45-115-09-01. "Pinus Pipelineus"
27	4130 - Aspen	Poletimber Well	15.4	29	Immature	
28	4319 - Mixed Upland Forest	Poletimber Well	7.6	50	111-140	Buffers stream. small dia. Good stand to leave for buffer.
29	4134 - Aspen, Spruce/Fir	Poletimber Well	16.2	44	Unspecified	
30	42110 - Planted Red Pine	Sapling Poor	29.1	2	Immature	Cut in 2011-12. 45-115-09-01 "Pinus Pipelineus". Planted in 2015.
31	4136 - Aspen, Mixed Conifer	Sapling Well	61.9	15	111-140	
32	42201 - Natural White Pine, Mixed Deciduous	Sawtimber Well	8.3	54	111-140	
33	4112 - Maple, Beech, Cherry Association	Sawtimber Well	97.4	83	81-110	Stand has areas of predominantly large trees. Overall basal area is not extremely high, but a light thinning would be good, releasing some of the pole sized trees to promote a more uneven-aged system. Promote any Yellow Birch.
34	4130 - Aspen	Sapling Well	10.5	3	Immature	Cut in 2014. 45-108-09-01 "Derek's Debut". Mixed regeneration that looks good. Scattered White Pine.
35	4136 - Aspen, Mixed Conifer	Sapling Well	6.4	25	Immature	Aspen regeneration from cut in 1990. 45-004-90-01 "rifle Range Sale". Good looking aspen with usual mix. A few scattered large WP throughout.
36	42110 - Planted Red Pine	Sawtimber Well	17.0	80	111-140	Thinned in 2011-12. 45-115-09-01 "Pinus Pipelineus"
37	4130 - Aspen	Sapling Well	17.5	25	Immature	Aspen with balsam/ mixed deciduous mix. regeneration from cut in 1990. 45-004-90-01 "Rifle Range Sale".
38	4130 - Aspen	Sapling Well	13.6	3	Immature	Good looking Aspen regeneration from cut in 2014. 45-108-09- 01 "Derek's Debut".

S t	Sault Ste. Marie Mgt. Unit			Report 7	- Forested	Stands Compartment: 172 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
39	429 - Mixed Upland Conifers	Sawtimber Well	14.0	82	81-110	Mixed Conifer stand with some nice Hemlock. Was thinned last entry to promote Hemlock and WP regeneration. Representative deciduous species remain as well. There is some good regeneration coming in. Cut in 2002. #45-019-00-01 "Nameless Hardwoods".
42	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	10.0	81	Unspecified	
45	6120 - Lowland Cedar	Poletimber Well	276.9	100	Unspecified	Very low ground with areas of nothing but tag alder. Small size trees dominate with cedar and mix in slightly higher place and black spruce in low area. Not really merchantable.
46	6120 - Lowland Cedar	Poletimber Well	97.7	117	141-170	
47	429 - Mixed Upland Conifers	Poletimber Medium	0.5	45	51-80	Variable ground with mixed cover type. Some scattered large white pine.
48	4319 - Mixed Upland Forest	Poletimber Medium	45.2	27	Immature	
49	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	72.0	101	141-170	Stand has more variable ground than surrounding stand. There is a little more upland species where there is upland. Tag Alder in the lower areas.
50	6120 - Lowland Cedar	Poletimber Well	11.6	117	Unspecified	Dense cedar with scattered mix of spruce/balsam. There is a few White Pine scattered in the northern part of the stand.
51	4319 - Mixed Upland Forest	Sawtimber Well	55.7	80	111-140	Stand is the very steep ridge along the escarpment. Large Hemlock, White Pine, and Maple. Most of the Beech has died out.
52	4112 - Maple, Beech, Cherry Association	Sawtimber Well	9.4	75	81-110	Stand was thinned in 2002. #45-019-00-01 "Nameless Hardwoods" Still lower basal area, hold for next entry.
53	6139 - Mixed Lowland Forest	Poletimber Well	64.0	90	81-110	Large ridge and swale complex with mix of White pine, spruce/balsam and some deciduous. Very wet between ridges is dominated by black spruce with cedar on fringe areas.
55	429 - Mixed Upland Conifers	Poletimber Well	9.7	54	111-140	Mixed bag of balsam spruce and red maple, birch. Harvest this entry, leaving white pine and reps of maple and birch.
57	4136 - Aspen, Mixed Conifer	Sapling Medium	17.1	3	Immature	Cut in 2014. #45-108-09-01 Derek's Debut. Regeneration looks good.
58	42330 - Upland Fir	Poletimber Well	13.4	50	111-140	Pole stand of mixed balsam, spruce, and some mixed deciduous. Scattered WP and saw a few hemlock. Leave this stand for age class, adjacent being prescribed this entry.

s t	Sault Ste. Marie Mgt. Unit			Report 7	′ – Forested	Stands Compartment: 172 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
60	4319 - Mixed Upland Forest	Poletimber Well	19.5	55	141-170	Nice mixed stand. Some scattered Cedar. Harvest this entry leaving cedar and hemlock. Leave representative spaced accordingly in stand.
61	4319 - Mixed Upland Forest	Poletimber Medium	6.5	32	51-80	
64	4112 - Maple, Beech, Cherry Association	Poletimber Well	6.2	70	81-110	
65	6124 - Lowland Spruce- Fir	Poletimber Well	1.3	60	141-170	Stand of pole sized black spruce mix. Some scattered cedar. Lower ground than surrounding mixed stand.
67	429 - Mixed Upland Conifers	Poletimber Medium	10.3	45	51-80	Variable ground with mixed cover type. Some scattered large white pine.
68	42390 - Mixed Non- Pine Upland Conifers	Poletimber Well	32.9	110	111-140	Somewhat more upland, part of ridge and swale complex. Some nice White Pine on low, but steep ridges. Cedar and Balsam on fringes and black spruce and tag alder in wettest areas.
69	42340 - Upland Spruce/Fir	Poletimber Well	16.4	25	Immature	Stand of mixed fir with areas of aspen and maple. Just becoming a pole stand.
70	4112 - Maple, Beech, Cherry Association	Sawtimber Well	71.6	70	51-80	Stand has relatively low basal area 60-90. Beech has dropped out. Mostly red maple check next entry
72	6120 - Lowland Cedar	Poletimber Well	67.7	112	Unspecified	
73	6120 - Lowland Cedar	Poletimber Well	7.8	131	Unspecified	
74	42330 - Upland Fir	Poletimber Well	12.9	48	141-170	Stand of balsam/spruce with some decent sized aspen left in places. Harvest this entry and leave representative trees as appropriate.
78	4311 - Pine, Aspen Mix	Poletimber Poor	14.7	88	1-50	Stand was cut in 2011-2012. #45-115-09-01 Pinus Pipelinus.
80	6124 - Lowland Spruce- Fir	Poletimber Well	2.0	51	111-140	Lowland stand of mixed spruce and aspen. Wet in places with fair amount of tag alder. Scattered cedar throughout stand. Check n 10 yeas for growth and potential harvest I accessible areas with adjacent stand.
81	4319 - Mixed Upland Forest	Poletimber Well	3.2	33	111-140	
83	42110 - Planted Red Pine	Sawtimber Well	1.6	82	81-110	Large diameter Red Pine that is part of larger plantation in adjacent comp. 171 to the North. Understory is borderline pole sized mix of maple, aspen, and balsam. Harvest with comp. 171.

s t	Sault Ste. Marie Mgt. Unit			Report 7	- Forested	Stands Compartment: 172 Year of Entry: 2019
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
87	42200 - Natural White Pine	Sawtimber Poor	2.5	70	1-50	White Pine with a few scattered Red Pine residual from when adjacent RP plantation was harvested. Aspen regeneration under White Pine is looking good.
88	4134 - Aspen, Spruce/Fir	Sapling Well	22.8	25	Immature	
92	42200 - Natural White Pine	Poletimber Well	13.7	80	141-170	Most of the stand is within influence zone of large drainage. The operable part of stand consists of mostly smaller pole sized mix. Adjacent was harvested last entry. Leave for now and check it again in future entries
94	6120 - Lowland Cedar	Poletimber Well	8.9	80	141-170	Stand that is wet to very wet ground. Much smaller diameter trees than adjacent stands. Drainage in middle of stand. Plenty of tag alder where there are no trees. Cedar and spruce pretty much.
96	6128 - Lowland Coniferous, Mixed Deciduous	Poletimber Well	28.5	110	141-170	Smaller stand within a large cedar complex. This stand has a little more upland and deciduous along a ridge area. Access was not possible during inventory this time, relying on previous data.
97	6124 - Lowland Spruce- Fir	Sapling Medium	5.0	50	1-50	Wet ground with a few areas of upland. A few white pine where high enough ground. Lots of tag alder in wet areas.
99	6129 - Mixed Coniferous Lowland Forest	Poletimber Well	8.2	100	Unspecified	Stand of smaller diameter mixed cedar and spruce. Some deciduous in the areas of relatively higher ground. Wet stand overall with Tag alder in the wettest ground. Non-productive ground in some places.

6120 - Lowland Cedar

4130 - Aspen

100

105

Poletimber

Well

Sapling Well

97.5

2.6

117

14

Unspecified

Immature

More sparsely stocked stand than the neighboring stand. Very wet pockets throughout that are filled with Tag Alder.



Stand	Cover Type	Acres	Managed Site	General Comments:
5	710 - Sand, Soil	1.7	No	Exposed sand area.
10	122 - Road/Parking Lot	4.9	No	Railroad Tracks and r.o.w.
13	122 - Road/Parking Lot	4.5	No	
14	629 - Mixed non-forested wetland	1.9	No	
20	622 - Lowland Shrub	10.1	No	
40	310 - Herbaceous Openland	26.6	No	Grass Pipeline r.o.w. Enbridge Oil pipeline.
41	310 - Herbaceous Openland	18.8	No	Grass r.o.w TransCanada Gas pipeline. There is a two track road that parallels the pipeline .
44	629 - Mixed non-forested wetland	35.5	No	
54	710 - Sand, Soil	0.6	No	Beach/Lake Michigan shoreline.
59	310 - Herbaceous Openland	0.4	No	Grass R.O.W. along US Highway 2.
66	629 - Mixed non-forested wetland	3.1	No	Was a strip cut done decades ago and very low wet ground. Tag Alder dominating the wettest ground and some brushy spruce scattered around where slightly higher.
71	122 - Road/Parking Lot	0.8	No	US2
76	500 - Water	1.2	No	
85	310 - Herbaceous Openland	1.6	No	
86	6229 - Mixed lowland shrub	1.8	No	
90	310 - Herbaceous Openland	6.6	No	
98	622 - Lowland Shrub	1.7	No	
103	629 - Mixed non-forested wetland	1.6	No	

Report 8 - Nonforested Stands



Stand	Cover Type	Acres	Managed Site	General Comments:
107	629 - Mixed non-forested wetland	1.1	No	Wetland pocket with a few Large WP in mounds of higher ground.
108	310 - Herbaceous Openland	1.2	No	Right of way between Railrood Tracks and H-40
109	3303 - Mixed Low Density Trees	1.0	No	Narrow strip of lowland grass/shrubs between road and railroad tracks. Some mixed conifer on higher edge.