

Compartment Review Presentation

Sault Ste. Marie Forest Management Unit

Compartment 45169
Entry Year 2018
Acreage: 1,812
County Mackinac

Management Area: Mackinac Mix

Revision Date: 2016-07-29

Stand Examiner: Matt Edison

Legal Description:

T44N, R9W, Sections: 2, 11, & 14; Garfield Township

Identified Planning Goals:

This compartment is located northeast of Naubinway and is situated along the eastern boundary of the Hiawatha Sportsman's Club, and abuts Luce County, which lies to the North. The northern portion of the compartment is timbered, while the southern third is mainly bog. The upland areas are comprised of various types, including red pine plantation, northern hardwoods, aspen/mixed upland deciduous/upland mixed forest, mixed upland conifers and natural red pine. Lowlands are primarily lowland conifer, with bogs and ponds interspersed. This entry timber management will focus on thinning of a pair of red pine plantations, a selection cut of what is now a small northern hardwoods stand (was previously part of a larger stand that was included in the Graymont Land Transaction), and a final harvest of a aspen mix stand type. There is a carried over treatment for potential burning of the large portion of the Cranberry Lake Bog that covers virtually the entire southern third of the compartment and into large portions of adjacent compartments.

Soil and topography:

The northern upland portion of the compartment is dominated by Kalkaska sand, Rubicon sand and Wallace sand. These areas range from nearly level and undulating to gently rolling and rolling topography. There is a small inclusion of Menominee loamy sand. Pocketed within this high ground are several small lakes and ponds with Histosols and Aquents, ponded. The central portion is dominated by lowland coniferous forests which are growing on Markey and Carbondale mucks. The southern portion, dominated by the Cranberry Lake bog, consists of Dawson and Loxley peats. The high rolling to steep sand ridges alongside and within the bog are on Pullup fine sand.

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

The compartment is entirely in state ownership within the outer boundary. Hiawatha Sportsman's Club owns and manages approximately 35,000 acres adjacent to the west. State lands abut to the south, and north. Graymont, Inc. has purchased the land adjacent to the east of section 2 and have lease plans for section 12, which is currently part of adjacent compartment 167. The state lands to the north in Luce County are managed by the Newberry Management Unit.

Unique Natural Features:

The lower 1/3 of the compartment is part of the larger Cranberry Lake bog, which was once a noted blueberry area. Potential exists for other rare, threatened and endangered species and communities to exist in the area.

Archeological, Historical, and Cultural Features:

The Cranberry Lake bog was once a site of commercial blueberry picking. A mini town would form during blueberry picking time and the blueberries would be shipped out by the railroad. Graymont, Inc. now owns the Hendricks quarry and has acquired much of the surrounding land (previously State).

Special Management Designations or Considerations:

A prescribed burn plan has historically been in place for maintenance and enhancement of the blueberry bog. Harvesting activities in some areas may be restricted due to the snowmobile trail.

Watershed and Fisheries Considerations:

Fisheries Values: Minimal

Fisheries Concerns: The northern half of this compartment is located in ELSMU. Nelson Lake surveyed in 1995, appears prone to winter-kill. Its fish community consisted of bullheads and pumpkinseed sunfish. Fisheries considered the idea of a complete rotenone reclamation and subsequent stocking with black crappies, which could possibly do very well there. Drought conditions since then, however, have dropped water levels enough that we no longer feel that it could support a viable fishery. Grass and Tee Lakes did not appear to have a manageable fishery.

Wildlife Habitat Considerations:

This compartment is part of the Mackinac Mix Management Area where featured wildlife species include black bear, pileated woodpecker, ruffed grouse, snowshoe hare, and white-tailed deer. The northern portion of this compartment contains three small inland lakes and a mosaic of forest types. The southern portion is part of the Cranberry bog, and most of it is classified as muskeg. Areas in the bog will be left untreated with the possible exception of prescribed fire to protect the muskeg and remaining portions of the bog which will benefit a number of wildlife species including black bear and sharp-tailed grouse. Prescribed fire may be used to maintain some of the open bog habitat. Some aspen will be harvested from northern areas to maintain this cover type, promote young early successional habitat, and enhance age class diversity between stands for ruffed grouse and snowshoe hare. Some larger (>15 inch) trees and/or snags should be left if present and incorporated into retention patches to encourage use by pileated woodpeckers. Lakes and wetlands, including vernal wetlands, should be buffered appropriately to protect these systems. This will benefit species ranging from migratory waterfowl to amphibians.

Mineral Resource and Development Concerns and/or Restrictions

Surface sediments consist of lacustrine (lake) sand and gravel and peat and muck. There is insufficient data to determine the glacial drift thickness. The Silurian Burnt Bluff Group subcrops below the glacial drift. The Burnt Bluff is quarried for stone/limestone in Section 1 at Hendricks quarry. Sand pits are located two miles to the east. Gravel pits are not located in the compartment and potential may be limited. There is no current economic oil and gas production in the UP.

Vehicle Access:

Cranberry Lake Road and McCleod Truck Trail bisect the compartment. These are DNR sand roads which receive minimal maintenance. Cranberry Lake Road runs from H-40 (approx. 6 miles to the south) to Borgstrom Road (approx. 2 miles to the east). McCleod Truck Trail runs westerly from Cranberry Lake Road to Co. Rd. 403 (approx. 4 miles) in Luce County. There are a few two-track roads in the northern portion of the compartment, with one in need of road work before logging can occur.

Survey Needs:

Survey will be needed to establish ownership lines between state and Graymont for current and future treatments.

Recreational Facilities and Opportunities:

Snowmobile Trails 9 uses the Cranberry Lake Road and McCleod Truck Trail within the compartment. The Newberry-Rexton ORV trail skirts northward from the Cranberry Lake Road/ Hemlock Ridge Road intersection. Other recreational opportunities include blueberry and mushroom picking, bird watching, photography, trapping, small game hunting, duck hunting and big game hunting.

Fire Protection:

The upland portions do have potential for wildfires, but historically it's been the bog which has seen wildfire activity. Access can be a problem here. The right equipment is needed to cross the bog. Fires could linger in the ground in these lower areas which would create mop-up problems. Some access could be gained through the Hiawatha Sportsman's Club if needed, but even this is limited in this area.

Additional Compartment Information:

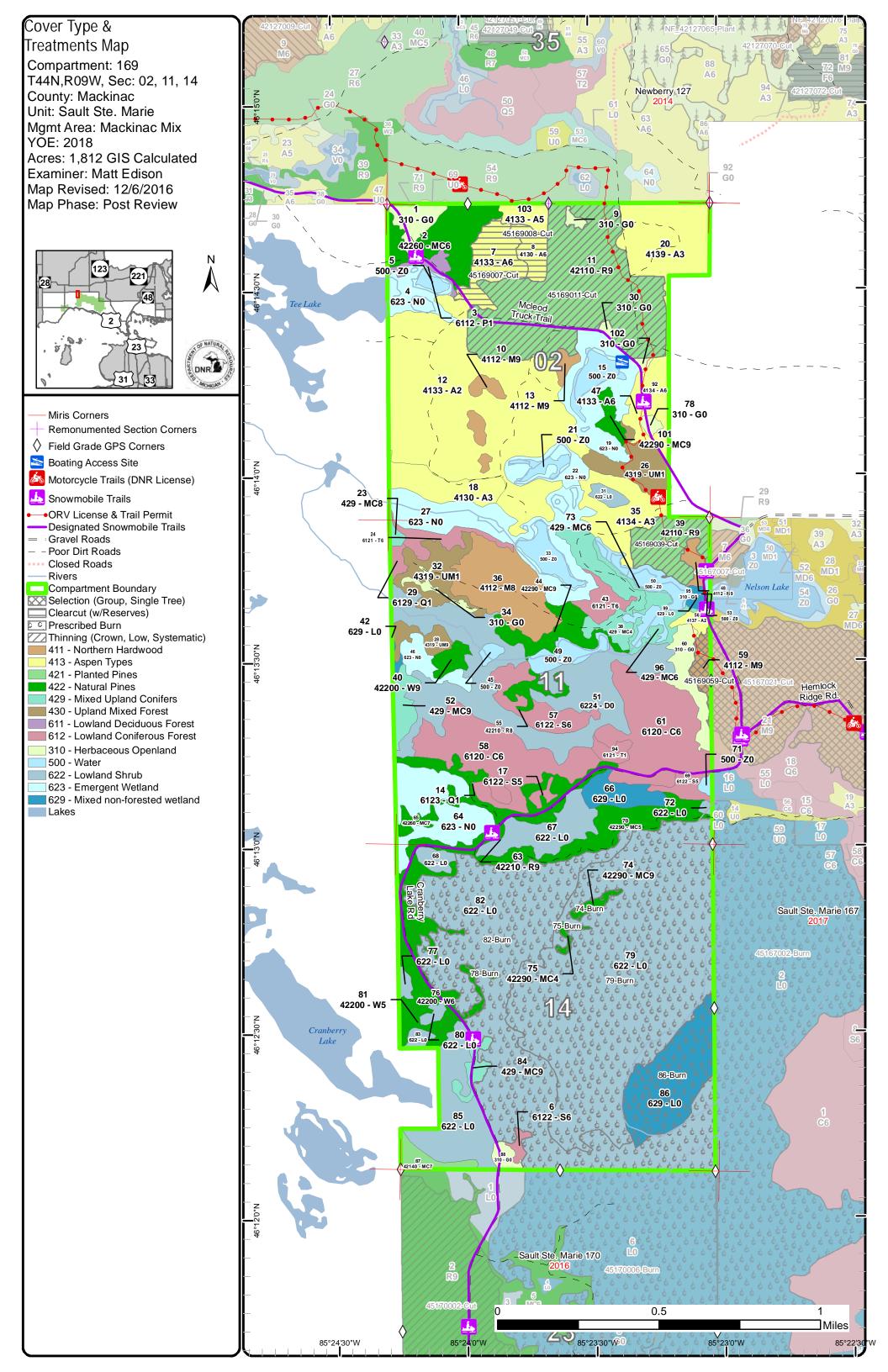
The following reports from the Inventory are attached:

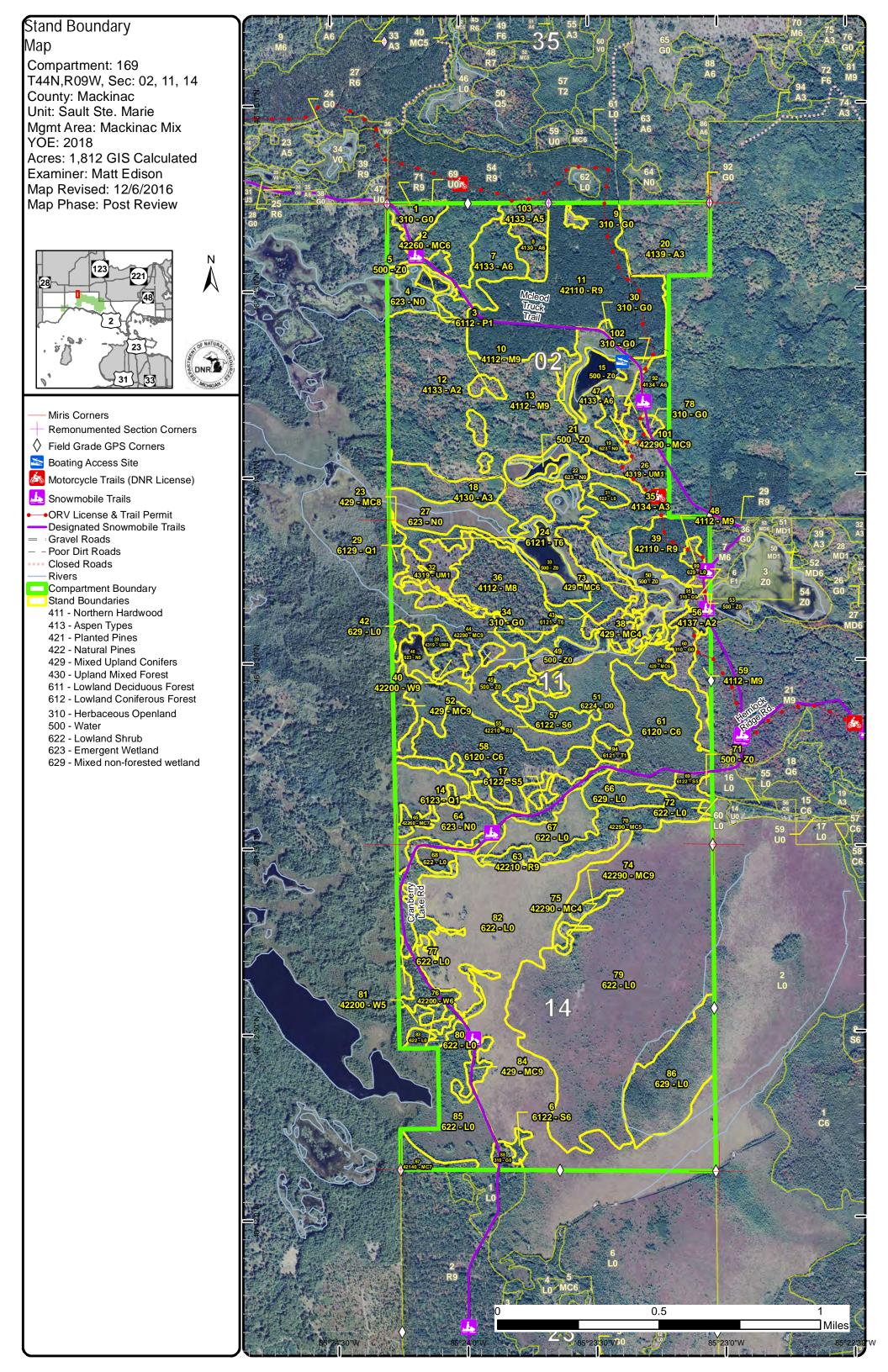
Total Acres by Cover Type and Age Class
Cover Type by Harvest Method
Proposed Treatments – No Limiting Factors
Proposed Treatments – With Limiting Factors
Stand Details (Forested and Nonforested)
Dedicated and Proposed Special Conservation Areas
Site Condition Details

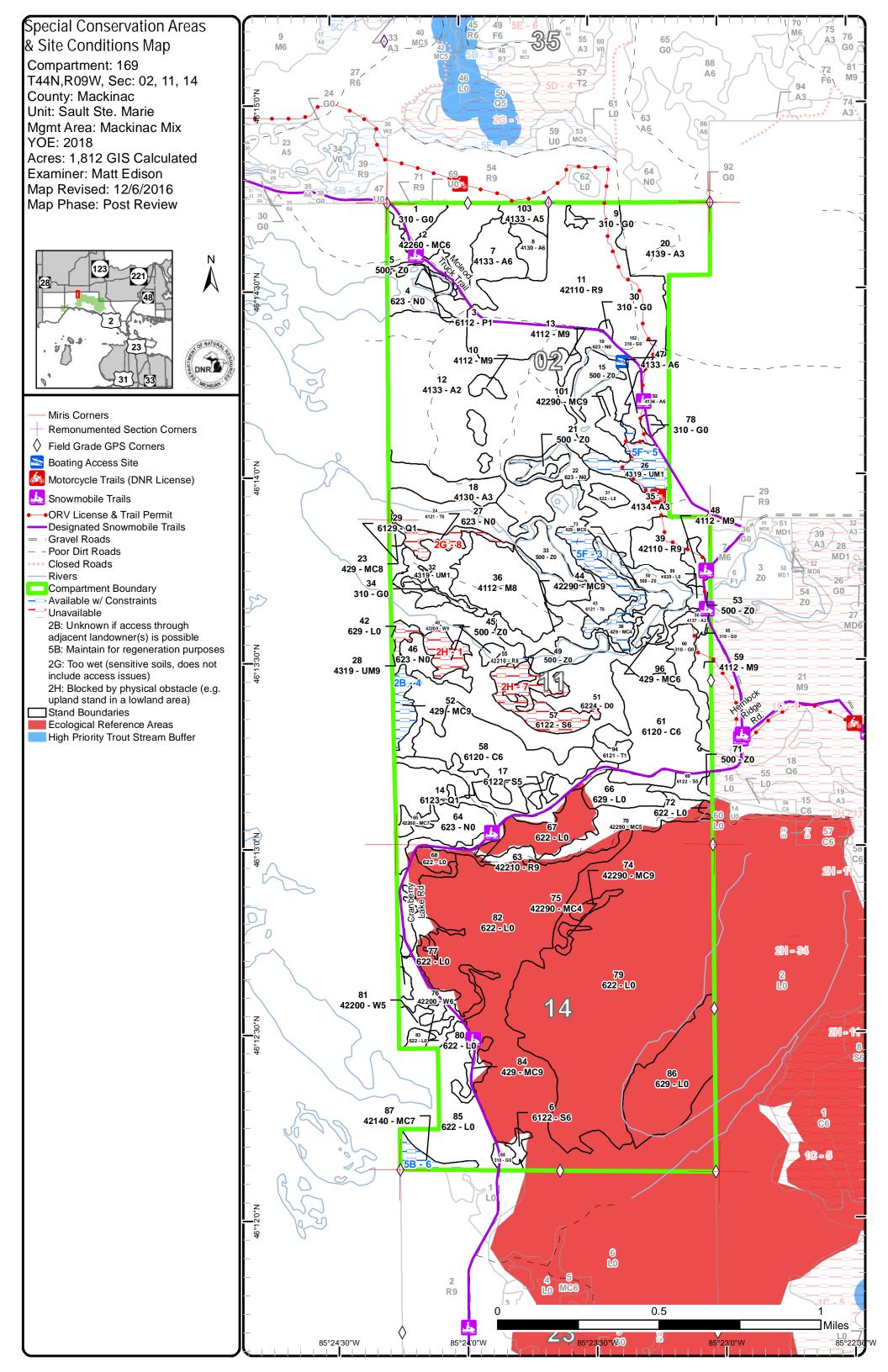
The following information is displayed, where pertinent, on the attached compartment maps:

Base feature information, stand boundaries, cover types, and numbers Proposed treatments
Site condition boundaries

Details on the road access system







Compartment 169 Year of Entry 2018

Sault Ste. Marie Mgt. Unit

Matt Edison: Examiner



Age Class

	Hon	kage /		82 /02	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	8 /4	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	§ / %	\$ \ \$ \	R. &	80,00	\$ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	20,700	, 2°, 2°, 2°, 2°, 2°, 2°, 2°, 2°, 2°, 2°	\$\$ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \	8. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	D. S.	g* Jres	No. of London
Aspen	0	4	0	232	7	18	28	0	0	0	0	0	0	0	0	0	0	0	289
Cedar	0	0	0	0	0	0	0	0	0	0	0	53	0	46	0	0	0	0	99
Herbaceous Openland	35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35
Lowland Aspen/Balsam Poplar	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Lowland Conifers	0	5	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	8
Lowland Shrub	585	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	585
Lowland Spruce/Fir	0	0	0	0	2	0	2	6	0	0	0	17	0	0	0	0	0	0	27
Marsh	140	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	140
Natural Mixed Pines	0	0	0	0	0	5	19	28	47	0	0	0	0	0	0	0	0	0	99
Northern Hardwood	0	0	0	0	0	0	0	7	5	0	0	0	0	0	0	0	0	48	60
Planted Mixed Pines	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	7
Red Pine	0	0	0	0	0	0	26	140	6	0	0	0	0	0	0	0	0	0	172
Tamarack	0	0	0	0	0	0	8	8	0	4	0	0	0	0	0	0	0	0	20
Treed Bog	96	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96
Upland Conifers	0	0	0	0	19	0	0	0	0	4	14	0	0	2	0	0	0	6	45
Upland Mixed Forest	0	34	0	0	0	0	0	0	0	7	0	0	0	0	0	0	0	0	41
Water	54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54
White Pine	0	0	0	0	6	0	21	0	0	5	0	0	0	0	0	0	0	0	32
Total	910	43	5	232	34	23	104	189	58	30	14	70	0	48	0	0	0	54	1813



Report 2 – Treatment Summary

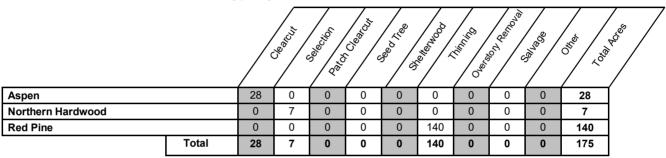
Sault Ste. Marie Mgt. Unit Year of Entry: 2018

Acres of Harvest

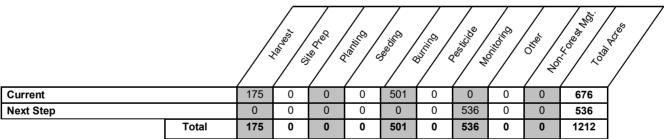
Compartment 169
Total Compartment Acres: 1,812

Commercial Harvest - 175 Harvests with Site Condition - 0 Next Step Harvest - 0 Habitat Cut - 0

Cover Type by Harvest Method



Proposed and Next Step Treatments by Method



Sault Ste. Marie Mgt. Unit Report 3 -- Treatments Compartment: 169 s Year of Entry: 2018 t а **Treatment** Acres Stand Size Stand BA **Treatment Treatment Cover Type Approval** n Age CoverType Method Objective Status Name Structure d Density Age Range Type 45169007-Cut Clearcut with 19.7 4133 - Aspen, Mixed Poletimber 56 141-Harvest 413 - Aspen Even-Aged Draft Field Pine Well 170 Retention Boundary **Habitat Cut: No Site Condition:** Prescription Harvest Aspen and leave white pine, cherry, and representative birch and red maple. Where practical, pile some slash during processing and Specs: consider hinging some trees to encourage hare use. Next Step Monitoring, Natural Regen (Intermediate) Treatments: Acceptable Acceptable regeneration will be any mix of aspen, birch, maple, cherry, balsam fir, spruce, white pine, or hemlock Regen: Other Comment: Proposed Start Date: 10/01/2017 45169008-Cut 4130 - Aspen 141-8.6 Poletimber Harvest Clearcut with 413 - Aspen Even-Aged Draft Field Well 170 Retention Boundary **Habitat Cut: No Site Condition:** <u>Prescription</u> Harvest Aspen and leave white pine and representative maple, birch, and balsam. Specs: Next Step Monitoring, Natural Regen (Intermediate) Treatments: Acceptable Acceptable regeneration will be any mix of aspen, birch, maple, cherry, balsam fir, spruce, white pine, or hemlock Regen: Other Comment: **Proposed Start Date:** 10/01/2017 Even-Aged Draft Field

45169011-Cut 118.1 42110 - Planted Sawtimber 63 171-Harvest Crown Thinning 4211 - Planted Red Pine Red Pine Well 200

Site Condition: **Habitat Cut: No** Prescription Thin red pine to approximately 120 basal area.

Specs:

Next Step Treatments:

<u>Acceptable</u> Regen:

Other Comment:

Proposed Start Date: 10/01/2017

45169039-Cut 22.3 42110 - Planted Sawtimber 63 171-Harvest Crown Thinning 4211 - Planted Even-Aged Draft Field 200 Red Pine Red Pine Well Boundary

Habitat Cut: No Site Condition:

Prescription Thin Red Pine to approximately 120 basal area.

Specs:

Next Step **Treatments:**

<u>Acceptable</u> Regen: Other

Comment:

Proposed Start Date: 10/01/2017 Boundary

S

Compartment: 169

Year of Entry: 2018

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
59	45169059-Cut	6.7	4112 - Maple, Beech, Cherry	Sawtimber Well	60	81-110	Harvest	Single Tree Selection	411 - Northern Hardwood	Uneven- Aged	Draft Field Boundary

Habitat Cut: No Site Condition:

Prescription Thin to basal area of approximately 80. Promote Yellow Birch and cherry.

Specs:

Next Step Monitoring, Natural Regen (Intermediate)

Treatments:

Acceptable Acceptable regeneration will be any mix of maple, birch, cherry, aspen, pine, hemlock, or balsam/spruce

Regen:

Other Comment:

Proposed Start Date: 10/05/2016

74 74-Burn 3.2 42290 - Natural Sawtimber 40 51-80 Burn Other 42290 - Natural Even-Aged Draft Field Mixed Pine Well Mixed Pine Boundary

Habitat Cut: No **Site Condition:**

Prescription Burn with bog to maintain/enhance semi-open upland in middle of bog.

Specs:

Next Step Monitoring, Natural Regen (Re-Inventory)

<u>Treatments:</u>

Acceptable Regen:

Other Small upland island in middle of large blueberry bog. Could have been a traditional sharptail lek. Old next step comments: Review and maintain burn

Comment: schedule of blueberry bog. This stand does not need to be considered for regeneration purposes. It can be treed or kept in a semi-open to open state.

Proposed Start Date: 10/01/2015

75 75-Burn 22 42290 - Natural Poletimber 1-50 Burn Other 42290 - Natural Even-Aged Draft Field Mixed Pine Poor Mixed Pine Boundary

Habitat Cut: No Site Condition:

Prescription Burn with bog to maintain/enhance semi-open upland in middle of bog.

Specs

Next Step Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable

Regen:

Other Small upland island in middle of large blueberry bog. Could have been a traditional sharptail lek. Old next step comments: Review and maintain burn schedule of blueberry bog. This stand does not need to be considered for regeneration purposes. It can be treed or kept in a semi-open to open state. Comment:

Proposed Start Date: 10/01/2014

251.4 622 - Lowland Shrub Nonstocked Other 6229 - Mixed Draft Field 79 79-Burn Burn lowland shrub Boundary

Habitat Cut: No Site Condition:

Prescription Prescribed burn periodically to maintain/enhance bog features following the prescribed burn plan for the bog currently in place. Recommended to Specs:

burn in thirds. This stand would include the northern third and most of the middle third (north of the dike).

Next Step Treatments:

Monitoring, Other - Specify

Acceptable

Regen:

Other Comment: Part of the Blueberry Bog that has been burned periodically to help produce blueberries. You can see the burn from 2000 viewing the UP Landsat (in a couple different forms). This area has been burned (or proposed to be burned) for many years. A wildfire burned the entire bog in 1955. By 1961 a plan was in place to burn the bog (in 3 different pieces, every 2 years) to maintain blueberries. 100 acres were burned with limited success in 1963. Wildfires in 1966 (E1/2 north of the dike) provided glimpses into how hot a burn should be. The dike was built in 1968. FTP's to burn the bog in thirds by a rotating schedule have been in place in 1961, 1973, 1988 and 1998. Peziometers were installed in 1998 to monitor the water table. This has helped in determining the right time of year to burn. The middle portion of the bog (305 acres north of the dike) was burned in October 2000. Old next step comments: Review and monitor effects after burning.

Proposed Start Date: 08/04/2015 Sault Ste. Marie Mgt. Unit

Report 3 -- Treatments

Boundary

Compartment: 169

Year of Entry: 2018

s а n

Treatment Acres Stand Size Stand BA **Treatment Treatment Cover Type** Age Approval Method Objective Name Structure **Status** d CoverType Density Age Range Type 82 82-Burn 198.5 622 - Lowland Shrub Nonstocked Burn Other 6229 - Mixed Draft Field

Habitat Cut: No Site Condition:

Specs:

Prescription Prescribed burn periodically to maintain/enhance bog features following the prescribed burn plan for the bog currently in place. Recommended to burn in thirds. This stand would include the northern third and most of the middle third (north of the dike).

Next Step Treatments: Monitoring, Other - Specify

Acceptable

Regen:

Other Comment: Part of the Blueberry Bog that has been burned periodically to help produce blueberries. You can see the burn from 2000 viewing the UP Landsat (in a couple different forms). This area has been burned (or proposed to be burned) for many years. A wildfire burned the entire bog in 1955. By 1961 a plan was in place to burn the bog (in 3 different pieces, every 2 years) to maintain blueberries. 100 acres were burned with limited success in 1963. Wildfires in 1966 (E1/2 north of the dike) provided glimpses into how hot a burn should be. The dike was built in 1968. FTP's to burn the bog in thirds by a rotating schedule have been in place in 1961, 1973, 1988 and 1998. Peziometers were installed in 1998 to monitor the water table. This has helped in determining the right time of year to burn. The middle portion of the bog (305 acres north of the dike) was burned in October 2000. Old next step comments: Review and monitor effects after burning.

Proposed Start Date:

08/04/2015

86 86-Burn

45.5 629 - Mixed nonforested wetland

Unspec ified

Nonstocked

Burn

Other

6229 - Mixed lowland shrub

lowland shrub

Draft Field Boundary

Habitat Cut: No

Site Condition:

Prescription Prescribed burn periodically to maintain/enhance bog features following the prescribed burn plan for the bog currently in place. Recommended to burn in thirds. This stand would include the northern third and most of the middle third (north of the dike). Specs:

Next Step

Monitoring, Natural Regen (Re-Inventory)

Treatments:

Acceptable Regen:

Other Comment: Part of the Blueberry Bog that has been burned periodically to help produce blueberries. You can see the burn from 2000 viewing the UP Landsat (in a couple different forms). This area has been burned (or proposed to be burned) for many years. A wildfire burned the entire bog in 1955. By 1961 a plan was in place to burn the bog (in 3 different pieces, every 2 years) to maintain blueberries. 100 acres were burned with limited success in 1963. Wildfires in 1966 (E1/2 north of the dike) provided glimpses into how hot a burn should be. The dike was built in 1968. FTP's to burn the bog in thirds by a rotating schedule have been in place in 1961, 1973, 1988 and 1998. Peziometers were installed in 1998 to monitor the water table. This has helped in determining the right time of year to burn. The middle portion of the bog (305 acres north of the dike) was burned in October 2000. Old next step comments: Review and monitor effects after burning.

Proposed Start Date:

08/04/2015

Total Treatment Acreage Proposed:

676.2

Sault Ste. Marie Mgt. Unit

Matt Edison : Examiner

Compartment: 169
Year of Entry: 2018

Availa	ability for	Managemer	nt						
Total	Acres	Acres Avail	Acres	De	omina	nt Site	e Con	dition	s
Acres	Available	With Condition	Not Available		2B	5B	5F	2G	2H
288	288	0	0	Aspen					
99	99	0	0	Cedar					
35	35	0	0	Herbaceous Openland					
4	4	0	0	Lowland Aspen/Balsam Poplar					
8	8	0	0	Lowland Conifers					
585	585	0	0	Lowland Shrub					
27	10	0	17	Lowland Spruce/Fir					17
140	140	0	0	Marsh					
99	99	0	0	Natural Mixed Pines					
60	60	0	0	Northern Hardwood					
7	0	7	0	Planted Mixed Pines		7			
172	166	0	6	Red Pine					6
20	12	0	8	Tamarack				8	
96	96	0	0	Treed Bog					0
45	18	28	0	Upland Conifers	8		19		
41	18	16	7	Upland Mixed Forest			16		7
54	54	0	0	Water					
32	27	0	5	White Pine					5
1,812	1,719	50	43	Total Forested Acres	8	7	35	8	35
	95%	3%	2%	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.

1 Unavailable 2H: Blocked by physical 13 Unspecified Unspecified Unspecified Unspecified Unspecified Unspecified Comments:	obstacle (e.g. upland stand in a lowland area)		Dominant Site Condition	Acres	Other Site Condition	Other Site Condition	Other Site Condition	Other Site Condition
Comments:	Comments:	Unavailable	obstacle (e.g. upland	13	Unspecified	Unspecified	Unspecified	Unspecified
		comments:						
		(Cond Availability Unavailable	Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Cond Availability Dominant Site Condition Acres Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	Cond Availability Dominant Site Condition Acres Other Site Condition Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) Other Site Condition Unspecified	Cond Availability Dominant Site Condition Acres Other Site Condition Other Site Condition Unavailable 2H: Blocked by physical obstacle (e.g. upland stand in a lowland area) 13 Unspecified Unspecified Unspecified	Cond Availability Dominant Site Condition Acres Other Site Condition Other Site Condition

Report 4 – Site Conditions

Sault Ste. Marie Mgt. Unit

Compartment: 169 Year of Entry: 2018 Matt Edison : Examiner

3	Available	5F: Evaluated for Forest Health Considerations	19	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Monitor for SBW.						
4	Available	2B: Unknown if access through adjacent landowner(s) is possible	8	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Hiawatha Sportsme	en's Club would be only access	s possibili	ty.			
5	Available	5F: Evaluated for Forest Health Considerations	16	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
6	Available	5B: Maintain for regeneration purposes	7	Unspecified	Unspecified	Unspecified	Unspecified
	Comments: Stand has low basa	al area and should be left until	large adja	acent stand is final harve	sted and replanted.		
7	Unavailable	2H: Blocked by physical obstacle (e.g. upland stand in a lowland area)	22	Unspecified	Unspecified	Unspecified	Unspecified
	Comments:						
8	Unavailable	2G: Too wet (sensitive soils, does not include access issues)	8	Unspecified	Unspecified	Unspecified	Unspecified
	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: 169
Year of Entry 2018



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	on Type	Description	ERA = Ecological Reference Area HCVA = High Conservation Value Area SCA = Special Conservation Area
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 of communities are ecologically and socially significant in their effect 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
ERA	Ecological Reference Areas	Ecological Reference Areas (ERAs) are high quality examples of identified as Element Occurrences (EOs) by the Michigan Natura context of their natural community classification system. Element (Excellent) or B (Good) and a Global (G) or State (S) element (rathreatened (2), or rare (3) serve as an initial base of ERAs. They the State. The system is comprised of individual or associations managed for restoration and maintenance of natural ecological p submit recommendations for lands as ERAs using the DNR Constitution.	Il Features Inventory (MNFI) within the toccurrences with viability ranks of A urity) ranking of endangered (1), may be located upon any ownership in of natural community types that are processes and values. The public may

s t	Sault Ste. Mari	e Mgt. Unit		Report 7	– Forested S	Stands Compartment: 169 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
2	42260 - Natural Pine, Mixed Deciduous	Poletimber Well	27.8	65	81-110	Some decent natural white pine in places. Still room to add diameter to aspen. Check in 10 years for harvest of aspen and thin white pine
3	6112 - Lowland Aspen	Sapling Poor	4.5	15	Immature	
6	6122 - Black Spruce	Poletimber Well	2.3	55	51-80	Wetland spruce with some aspen/pine in high places
7	4133 - Aspen, Mixed Pine	Poletimber Well	19.7	56	141-170	Nice aspen pole stand with mix of white pine in areas. Harvest this stand this entry and leave white pine.
8	4130 - Aspen	Poletimber Well	8.6	56	141-170	More maple mixed in than adjacent stand, some opening along east edge.
10	4112 - Maple, Beech, Cherry Association	Sawtimber Well	7.2	75	51-80	
11	42110 - Planted Red Pine	Sawtimber Well	118.1	63	171-200	Planted in F'53 and interplanted in S'60.
12	4133 - Aspen, Mixed Pine	Sapling Medium	148.3	27	51-80	Large variable stand complex of timbered patches within grass opening. The stands of timber vary from aspen to white pine/aspen mix and jack pine in some places. Areas were cut in 1989. Continue to monitor in future entry cycles for merchantability/size for future patch cuts.
13	4112 - Maple, Beech, Cherry Association	Sawtimber Well	3.1	75	51-80	Overlooks Grass Lake.
14	6123 - Lowland Fir	Sapling Poor	5.3	4		Relatively narrow sliver of black spruce between RP ridge and cedar swamp. Stand was cut in 2012 as part of B.S. Pine Mix and has some advanced regeneration present.
17	6122 - Black Spruce	Poletimber Medium	1.9	30	51-80	Relatively narrow sliver of black spruce between RP ridge and cedar swamp. Stand was cut in 2012 as part of B.S. Pine Mix and has some advanced regeneration present.
18	4130 - Aspen	Sapling Well	18.0	27		Mixed regeneration and opening.
20	4139 - Aspen, Mixed Deciduous	Sapling Well	40.6	27	Unspecified	Large, very mixed and variable stand of regeneration. Some residual aspen left from previous cutting. Grass opening throughout. Check in future for any areas that may be independently ready for harvest. For reference; Previous inventory comments stated that oak leaves were found in the stand, but no trees located.

429 - Mixed Upland

Conifers

6121 - Tamarack

23

24

Sawtimber

Medium

Poletimber

Well

1.8

8.4

122

65

51-80

Unspecified

Mixed white pine with lowland conifers around edge of stand, some birch and red maple on upland.

Low wet Tamarack stand abutting an emergent wetland.

s t	Sault Ste. Marie	Mgt. Unit		Report 7	- Forested	Stands Compartment: 169 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
26	4319 - Mixed Upland Forest	Sapling Poor	15.9	6	Immature	Cut in 2010. 45-113-08-01.
28	4319 - Mixed Upland Forest	Sawtimber Well	7.0	84	111-140	
29	6129 - Mixed Coniferous Lowland Forest	Sapling Poor	2.8	86	Unspecified	
32	4319 - Mixed Upland Forest	Sapling Poor	18.1	6	Immature	Overstory white pine left with aspen mixed with balsam/fir regeneration. Harvested in 2010.
35	4134 - Aspen, Spruce/Fir	Sapling Well	25.0	24	1-50	Very mixed stand of upland conifer and some aspen. Open areas scattered all through stand. ORV Trail runs thru stand
36	4112 - Maple, Beech, Cherry Association	Sawtimber Medium	38.2	77	51-80	Harvested in 2010. 45-113-08-01. Ring around the Rosie. Heavy red maple regeneration. Good amount of deer browse evident.
38	429 - Mixed Upland Conifers	Poletimber Poor	19.1	31	1-50	Harvested in 2010. 45-113-08-01. Mix of paper birch, white pine, red pine, maple, and spruce left after harvest. Mixed underscore of regeneration following harvest.
39	42110 - Planted Red Pine	Sawtimber Well	22.3	63	171-200	Planted in F'53 and inter-planted in S'60. RP and WP seeding in in spots. ORV Trail runs thru stand. Thinned in 2000.
40	42200 - Natural White Pine	Sawtimber Well	5.4	84	51-80	Stand stand surrounded by wetland. Nice White Pine overstory.
43	6121 - Tamarack	Poletimber Well	7.9	55	111-140	
44	42290 - Natural Mixed Pine	Sawtimber Well	15.0	55	81-110	Mixed pine stand with white birch and red maple. Check in 10 years to harvest birch, maple and thin to promote white pine
47	4133 - Aspen, Mixed Pine	Poletimber Well	5.9	45	111-140	Aspen mixed stand with some good sized white pine. Leave this stand for now as buffer between previous harvest and future harvest on opposite side of road.
48	4112 - Maple, Beech, Cherry Association	Sawtimber Well	4.7	75	81-110	
52	429 - Mixed Upland Conifers	Sawtimber Well	8.4	92	81-110	Only access is thru Hiawatha Club, and this is questionable.
55	42210 - Natural Red Pine	Sawtimber Medium	5.6	73	51-80	Upland island/ridge in swamp.
56	4137 - Aspen, Birch	Sapling Medium	3.5	6	1-50	Mixed regeneration following harvest.

S t	Sault Ste. Marie	Mgt. Unit		Report 7	- Forested	Stands Compartment: 169 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
57	6122 - Black Spruce	Poletimber Well	16.8	105	Unspecified	This stand has no access unless crossing tag alder or emergent wetlands and their associated drainages.
58	6120 - Lowland Cedar	Poletimber Well	46.1	124		Variable cedar stand with some low ridges and pockets of lower stocking.
59	4112 - Maple, Beech, Cherry Association	Sawtimber Well	6.7	60	81-110	Nice looking hardwood. Thin to meet 80-90ba objective.
61	6120 - Lowland Cedar	Poletimber Well	52.6	102	81-110	Very wet, dense cedar stand. Small heights and diameters. A area with some hemlock along road. Cedar regeneration in understory in some places.
63	42210 - Natural Red Pine	Sawtimber Well	25.7	56	81-110	Variable RP stand that runs along narrow sandy ridge along Cranberry Lake Road. Stand was thinned in 2012 as part of B.S. Pine Mix.
65	42260 - Natural Pine, Mixed Deciduous	Sawtimber Poor	4.0	55	1-50	Ridge opening with pine, aspen mix. Virtually no good access.
69	6122 - Black Spruce	Poletimber Medium	5.7	63	51-80	
70	42290 - Natural Mixed Pine	Poletimber Medium	41.7	79	1-50	Narrow ridge along road and bog. Half sand opening and half timbered. Conifer mix. White pine, jack pine, black spruce on edge. Scarred red pine and a stragglers aspen and birch.

s t	Sault Ste. Marie	Sault Ste. Marie Mgt. Unit			- Forested	Stands Compartment: 169 Year of Entry: 2018
a n d	Level 4 Cover Type	Size Density	Acres	Stand Age	BA Range	General Comments:
92	4134 - Aspen, Spruce/Fir	Poletimber Well	11.9	45	Unspecified	Nice pole stand of aspen mix. Hold for 10 years to add size and for age class considerations with recently harvested stand across the road.
94	6121 - Tamarack	Sapling Poor	4.0	86		Very mixed treed tag alder swamp!
96	429 - Mixed Upland Conifers	Poletimber Well	5.5	90	1-50	Buffer stand along wetland. Intermittent upland and lowland, with black spruce, tamarack, and tag alder in wet areas.
101	42290 - Natural Mixed Pine	Sawtimber Well	5.0	70	81-110	Nice peninsula stand of mixed pine. Will be nice to mark in the future when basal area increases.

1-50

Stand is aspen, mix with a lot of open area with white pine and cherry saplings. Save for future.

4133 - Aspen, Mixed Pine

103

Poletimber Medium

6.9

35

Compartment: 169 Year of Entry: 2018



Stand	Cover Type	Acres	Managed Site	General Comments:
1	310 - Herbaceous Openland	9.2	No	
4	623 - Emergent Wetland	13.4	No	
5	500 - Water	2.6	No	
9	310 - Herbaceous Openland	1.6	No	
15	500 - Water	9.1	No	
19	623 - Emergent Wetland	27.5	No	
21	500 - Water	3.7	No	
22	623 - Emergent Wetland	11.1	No	
27	623 - Emergent Wetland	46.0	No	
30	310 - Herbaceous Openland	0.9	No	
31	622 - Lowland Shrub	3.5	No	
33	500 - Water	9.7	No	
34	310 - Herbaceous Openland	3.0	No	Narrow grass opening within larger mixed conifer stand
42	629 - Mixed non-forested wetland	1.1	No	
45	500 - Water	2.1	No	
46	623 - Emergent Wetland	8.7	No	
49	500 - Water	8.8	No	
50	500 - Water	16.2	No	

Compartment: 169 Year of Entry: 2018



Stand	Cover Type	Acres	Managed Site	General Comments:
51	6224 - Treed Bog	96.0	No	Age may be misnomer. Very mixed treed tag alder swamp!
53	500 - Water	1.0	No	
60	310 - Herbaceous Openland	13.4	No	ORV Trail along edge near northern portion.
64	623 - Emergent Wetland	32.9	No	
66	629 - Mixed non-forested wetland	11.9	No	
67	622 - Lowland Shrub	21.7	No	
68	622 - Lowland Shrub	4.4	No	
71	500 - Water	1.4	No	
72	622 - Lowland Shrub	1.0	No	
77	622 - Lowland Shrub	2.3	No	
78	310 - Herbaceous Openland	2.0	No	
79	622 - Lowland Shrub	251.4	No	
80	622 - Lowland Shrub	2.1	No	
82	622 - Lowland Shrub	198.8	No	
83	622 - Lowland Shrub	2.6	No	
85	622 - Lowland Shrub	36.2	No	
86	629 - Mixed non-forested wetland	45.5	No	
88	310 - Herbaceous Openland	3.5	No	
1				

Report 8 - Nonforested Stands

Compartment: 169 Year of Entry: 2018



Stand	Cover Type	Acres	Managed Site	General Comments:
95	310 - Herbaceous Openland	0.2	No	
99	629 - Mixed non-forested wetland	2.1	No	
102	310 - Herbaceous Openland	1.0	No	