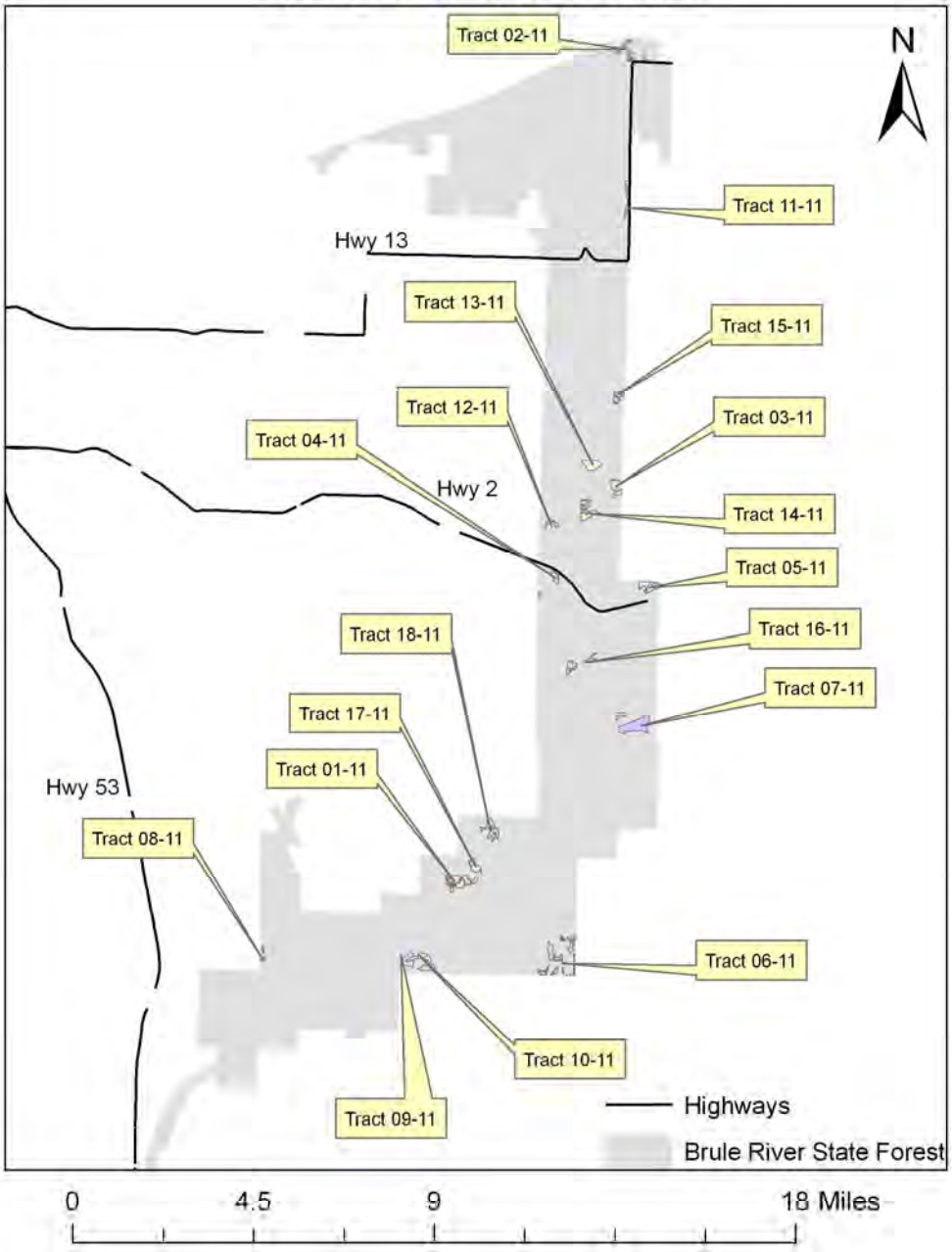
Brule River State Forest

2011 Timber Sale Proposals

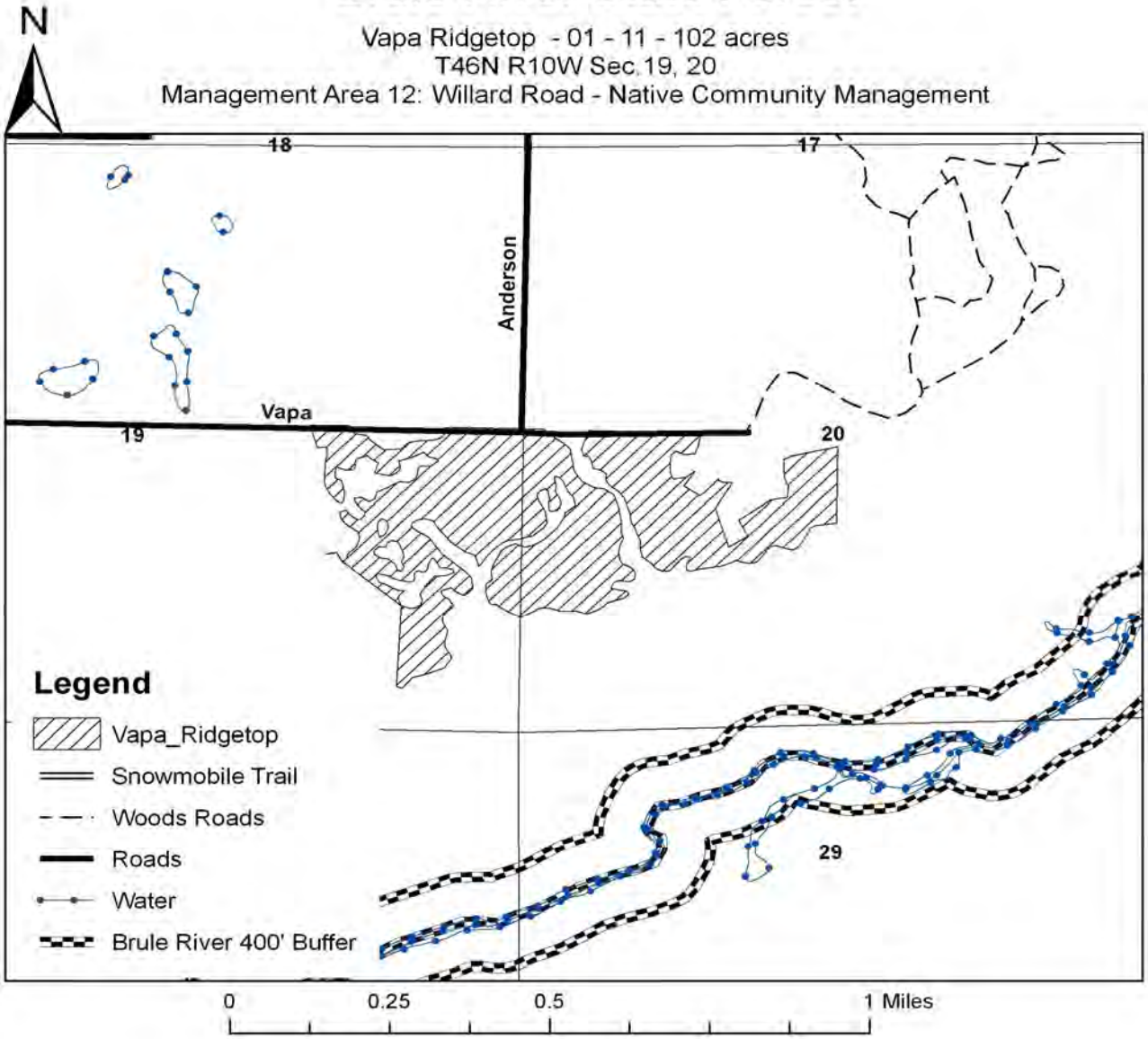
Tract	Sale	Species	Acres
1/11	Vapa Ridgetop	A/BW/O	102
2/11	Bracketts Gaps	A/BW/FB	30
3/11	Black Popple	A	46
4/11	Afterhours Special	A/NH/SB	28
5/11	Sewage Treatment	NH	52
6/11	Jigsaw Pine	PJ	107
7/11	County Line Pine	PJ	121
8/11	Uphill Pine	PR	10
9/11	Town Dump Pine	PR	81
10/11	Big Twine Pine	PR	28
11/11	Lowland Pine	PR	43
12/11	Patch Work Popple	A	19
13/11	Miller/CCC Corner	A/FB/MR	55
14/11	Aspen Leftovers	A	54
15/11	Oak Removal	O/A	28
16/11	Congdon Roadside	O/A	47
17/11	Hunter's Trail Popple	A/O	50
18/11	Big Red Thinning	PR/OR	62

Brule River State Forest



Brule River State Forest

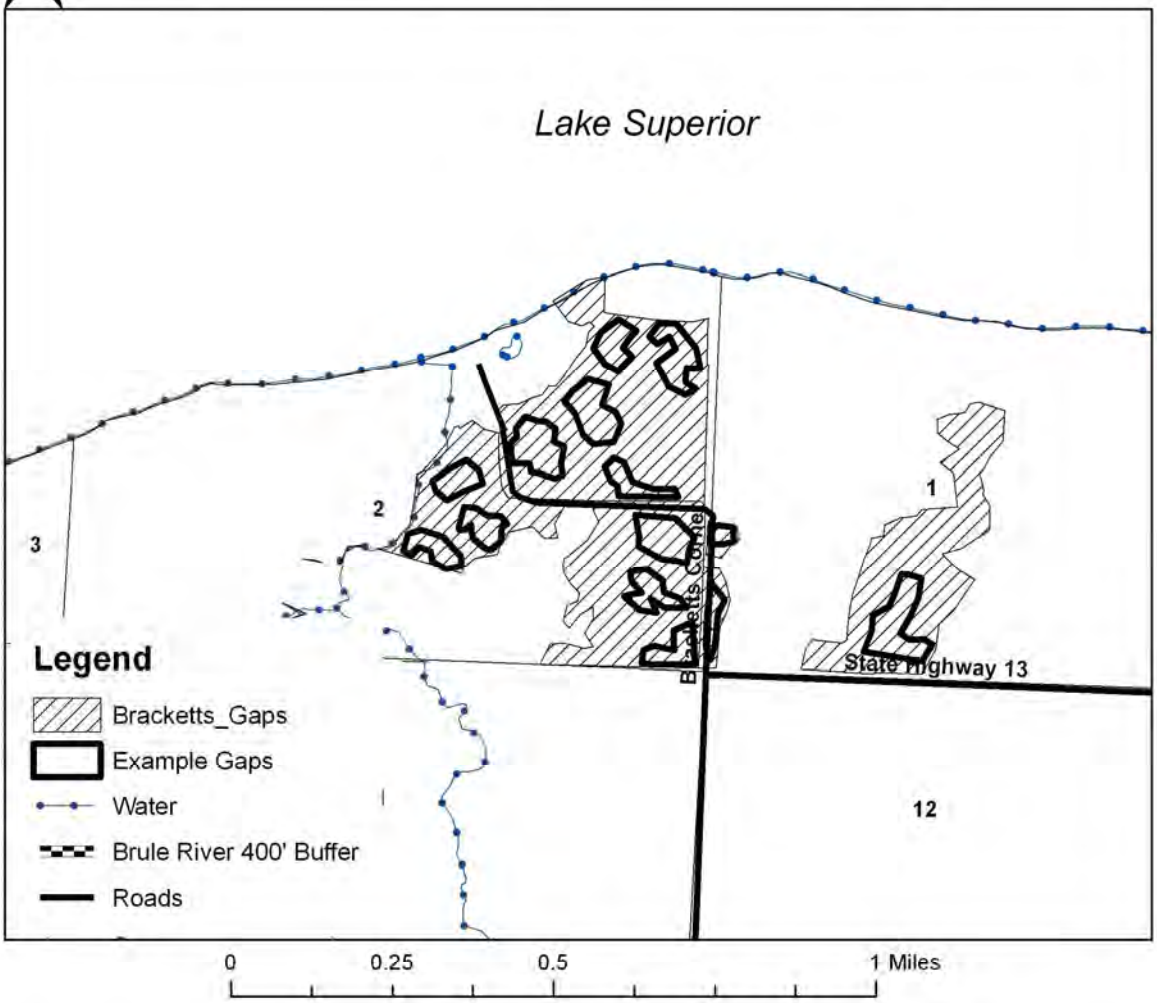
Vapa Ridgetop - 01 - 11 - 102 acres
T46N R10W Sec.19, 20
Management Area 12: Willard Road - Native Community Management



This stand lies south of Vapa RD off CR-S in Management Area 12 of the Brule River State Forest. Objectives in this area are to decrease aspen acres and increase northern hardwood acres. This stand is listed as being 86 years old and is currently a mix of mature aspen, declining white birch, and oak. The proposal for this stand is to remove all merchantable aspen and implement a combined white birch/ red oak shelterwood harvest. Trees of poor quality would be removed and healthy ones retained. Overall about 40 - 50% of the canopy will be retained. Harvest will be restricted to dry ground, preferable before snowfall to scarify the soil and promote regeneration. Slope is an issue on this site and may limit the operability of machines in some areas.

Brule River State Forest

Bracketts Gaps - 02 - 11 - 30 acres
T49N R10W Sec. 2
Management Area 1: Superior Clay Plain - Native Community Management



These stands are located around Bracketts Corner RD in Management Area 1 of the Brule River State Forest. The objectives for this area are to manage for a dominance of white spruce, white birch, and balsam fir. This stand has a year of origin of 1914 and is currently dominated by large, over-mature aspen. The aspen is rapidly declining and being replaced by tag alder. The proposal for this site is to use small gaps (2-5 acres) to remove the aspen but retain the conifers and white birch. The area of the gaps will total no more than 30 acres as to meet management plan guidelines. The gaps will create new growing space which will aid in the colonization of the disturbed area by white birch and spruce. Harvest will be restricted to dry or frozen ground. No harvest will take place within 400' of Lake Superior.

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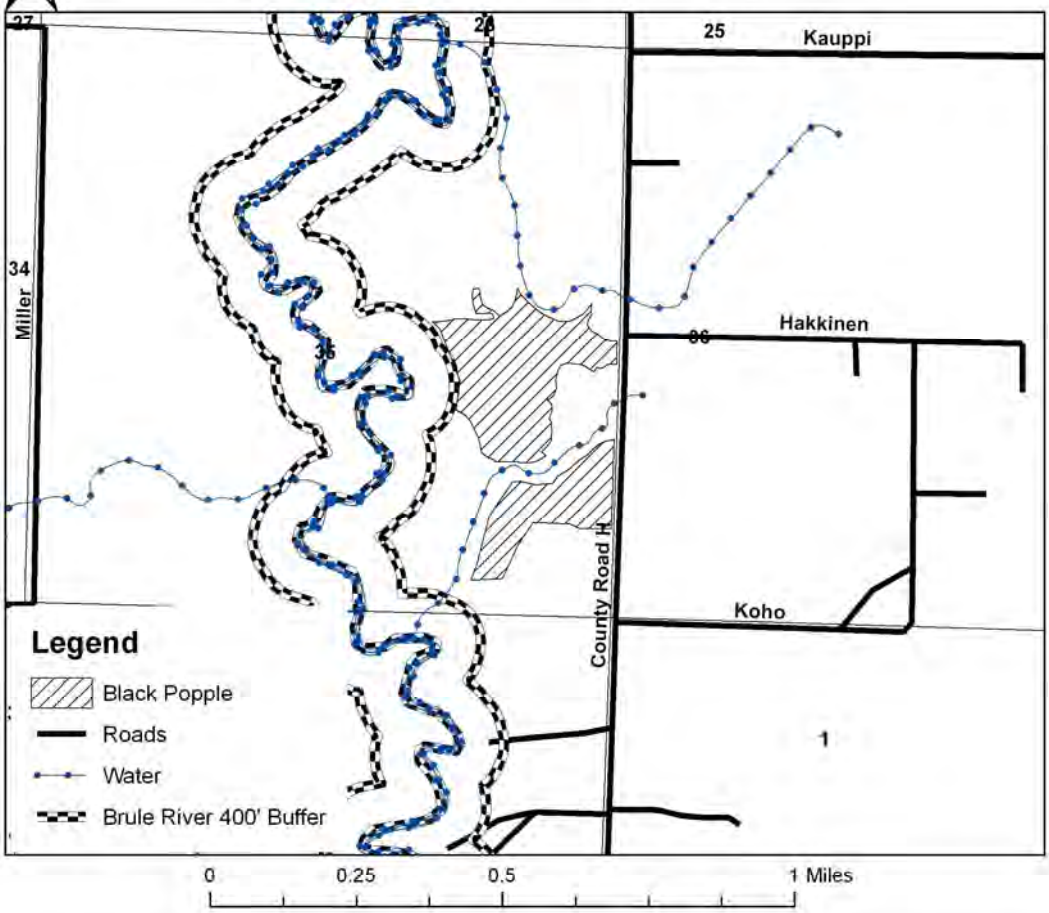
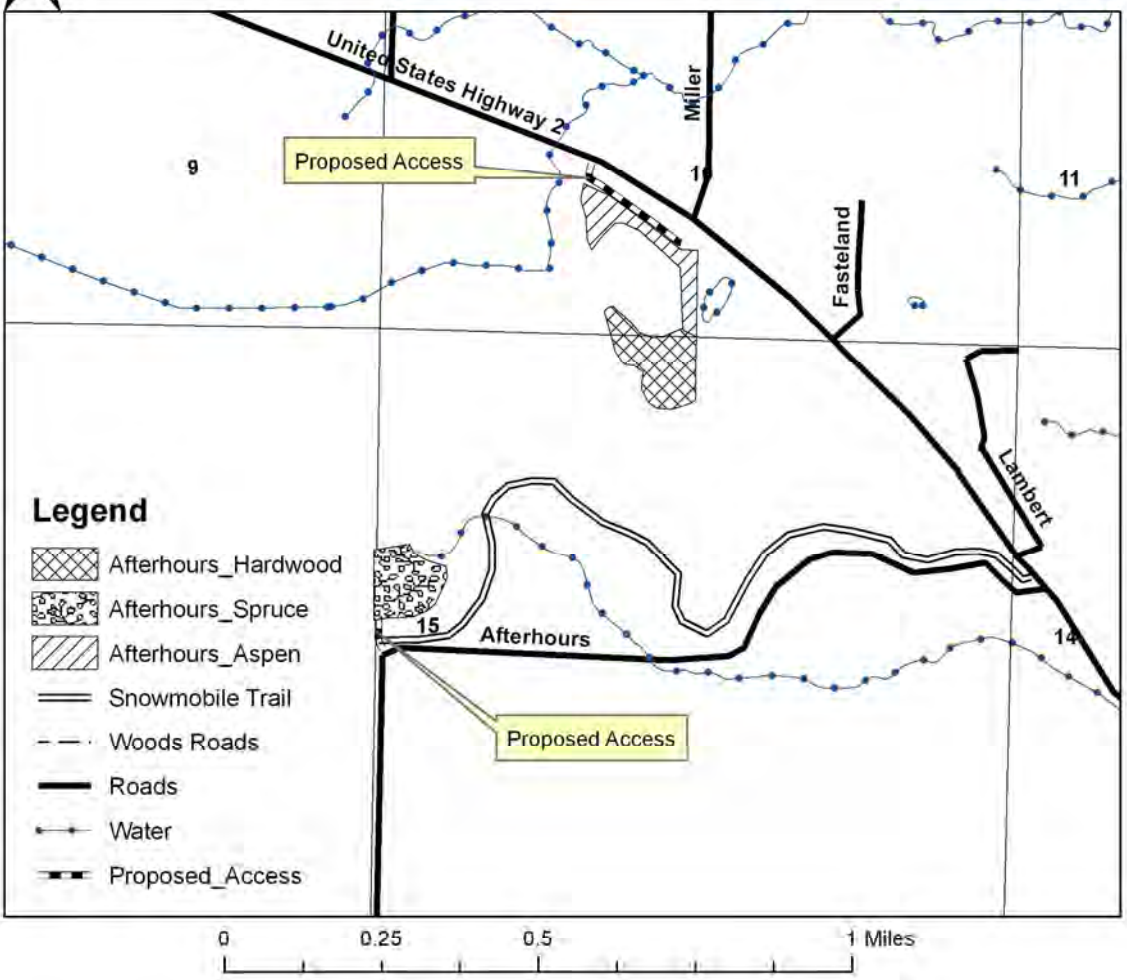
Black Popple - 03 - 11 - 46 acres
T49N R10W Sec. 35
Management Area 4: Bois Brule River - Scenic Management Area



These stands are located west of CR-H 3 miles north of the town of Brule in Management Area 4 of the Brule River State Forest. The goals of the area are to maintain the natural scenic quality of the river and also develop a forest of longer lived conifer species. These two stands are currently between 70 and 80 years old. They are composed of over-mature aspen with balsam fir and white spruce in the understory. The proposal for this site is to harvest all merchantable aspen, leaving balsam fir and white spruce in the stand. The openings created from the harvest will facilitate conifer species to develop into the understory. Harvest will be limited to frozen ground. Access can be gained via Black's Landing angler parking lot.

Brule River State Forest

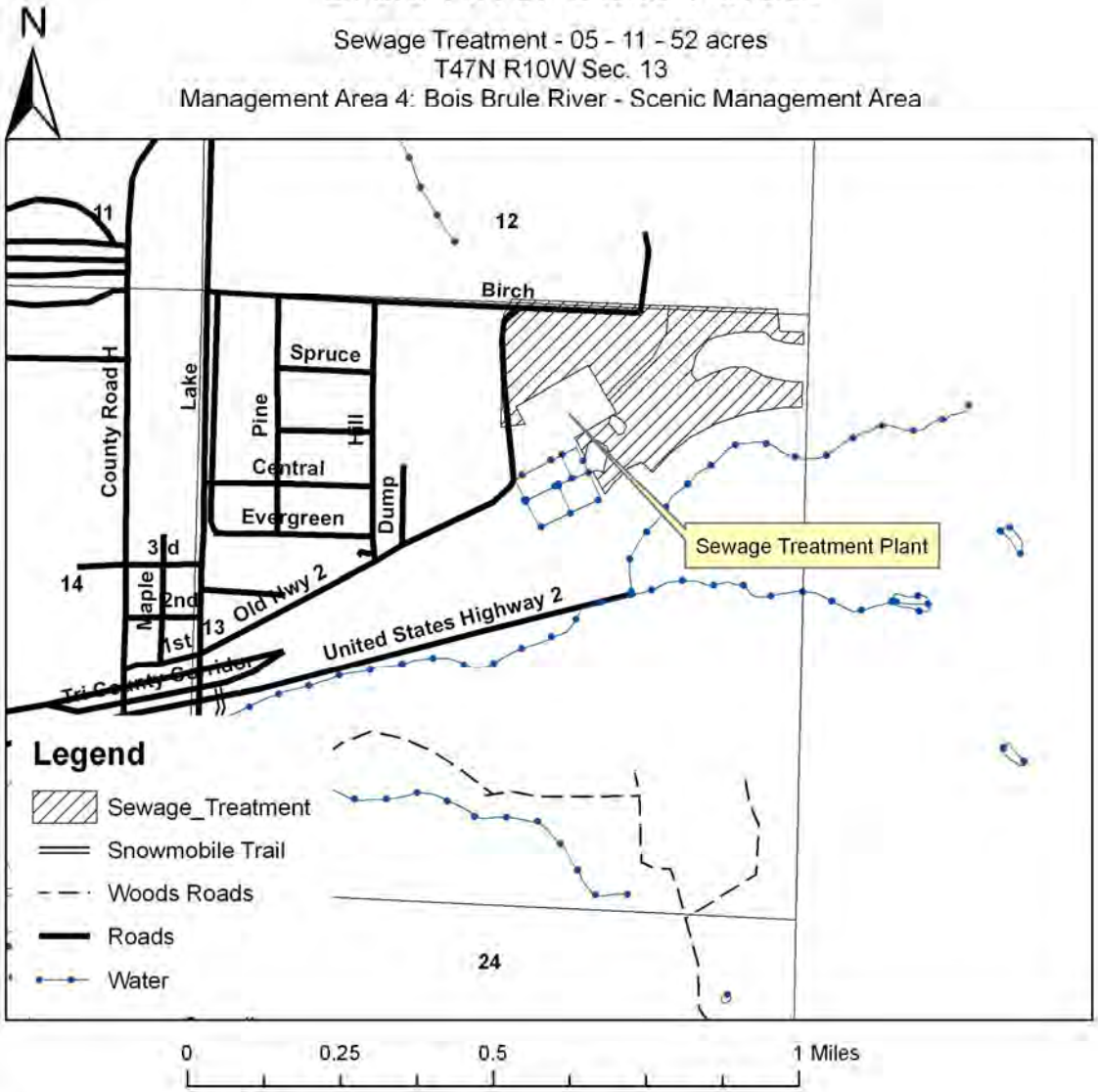
Afterhours Special - 04 - 11 - 28 acres
T47N R10W Sec. 15
Management Area 6: Afterhours - Recreation Management Area



These stands lie between U.S. HWY-2 and Afterhours RD in Management Area 6 of the Brule River State Forest. The objectives for this area are to maintain a scenic and diverse forest of conifers and hardwoods with an emphasis on older northern hardwoods, red pine, and white pine. This proposal contains 3 distinct stands, a 13 acre aspen, 8 acre northern hardwood, and 7 acre spruce. The aspen stand is about 60 years old and will be clearcut removing all aspen and retaining a few conifer species to suppress some of the aspen regeneration and allow longer lived species to seed in. The northern hardwood stand will under go a selection thinning to remove poor-quality hardwoods and retain larger, long-lived trees to improve aesthetics and comply with management objectives. Access to the aspen and hardwood stand will be via a cleared powerline right of way that connects to US-2. The black spruce stand is about 80 years old and will be set up for a seed tree harvest where clumps of 10-12 trees will be retained and spaced adequately apart to allow for seed dispersal. The clumps will provide wind firmness to remaining trees as well as provide structural diversity in the stand. The remaining trees will not undergo a final harvest in the future like a typical seed tree cut. Access to this block will be from Afterhours RD. The access road should only cross the snowmobile trail, signs will be needed but it should not affect snowmobilers. Harvest will be restricted to frozen ground.

Brule River State Forest

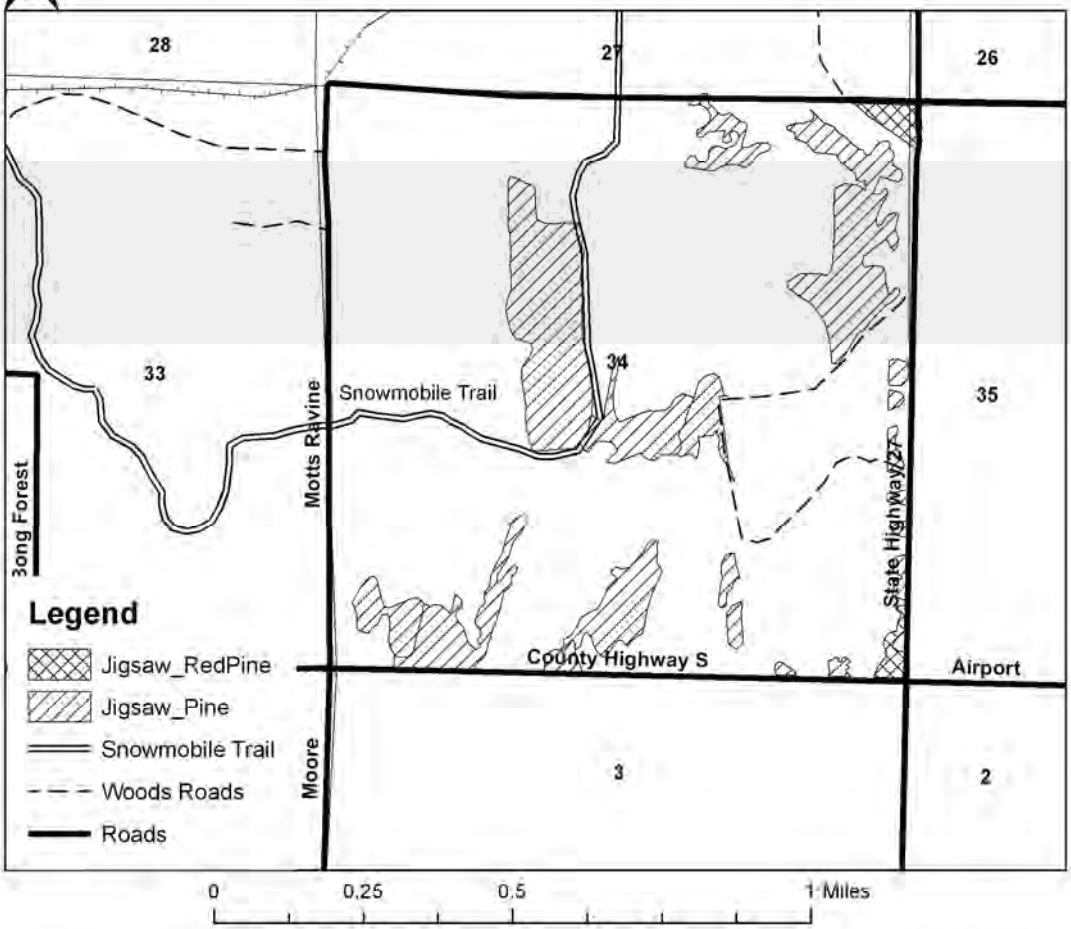
Sewage Treatment - 05 - 11 - 52 acres
T47N R10W Sec. 13
Management Area 4: Bois Brule River - Scenic Management Area



This stand is east of the waste water treatment plant in the town of Brule. It lies within Management Area 4 of the Brule River State Forest. The goals for this area are to maintain the natural and scenic quality of the river and also develop a forest of longer lived conifer species. Currently the stand is between 60 and 80 years old and has stagnated with over-mature aspen and suppressed, poor-quality red maple. The last management to happen in the stand was in 1991 when a portion of the stand was thinned. The proposal for this stand is to do a selection thinning concentrating on removing mature and poor-quality trees and leaving conifers and high-quality, long-lived hardwoods. This stand is a good site to promote white pine regeneration either by scarifying around existing seed sources or through underplanting following the harvest. Harvest will be restricted to dry or frozen ground. Soil types are suitable for biomass harvesting.

Brule River State Forest

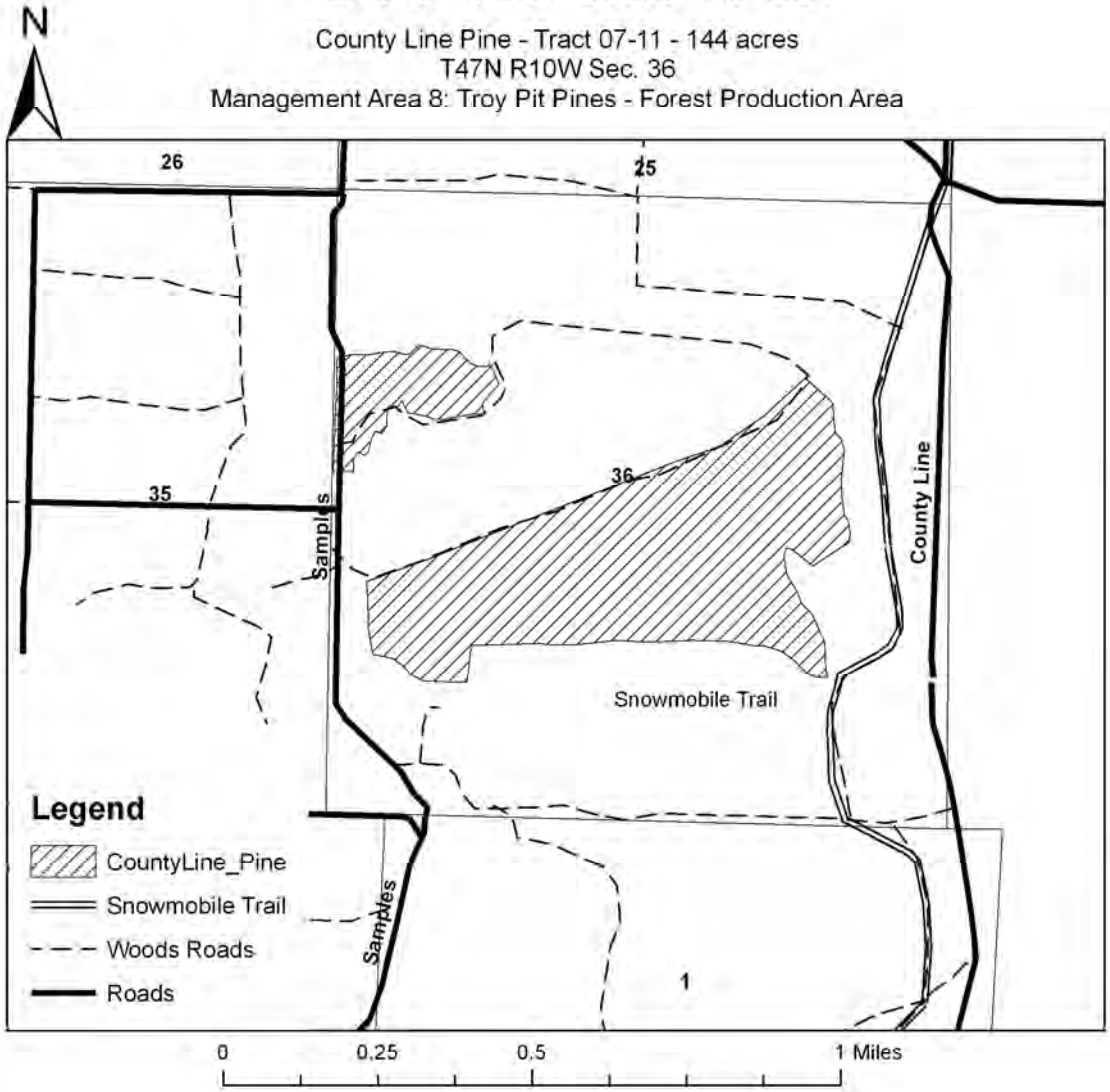
Jigsaw Pine - Tract 06-11 - 107 acres
T46N R10W Sec. 34
Management Area 10: Pine Forest and Barrens - Native Community Management



These stands are located at the corner of HWY-27 and CR-S in Management Area 10 in the Brule River State Forest. Objectives for this area are to maintain native natural communities and increase the acreage of jack pine. The jack pine stands proposed for harvest all contain over-mature trees between 50 and 80 years old that are beginning to shows signs of decline. A clearcut followed by anchor chain scarification to promote natural regeneration is proposed. The red pine stands on the northeast and southeast corners combine for about 6 acres of this sale and are about 60 years old. The stands were previously thinned in 1993 and will undergo a marked thinning to promote better growth on residual trees. There will be no seasonal site restrictions.

Brule River State Forest

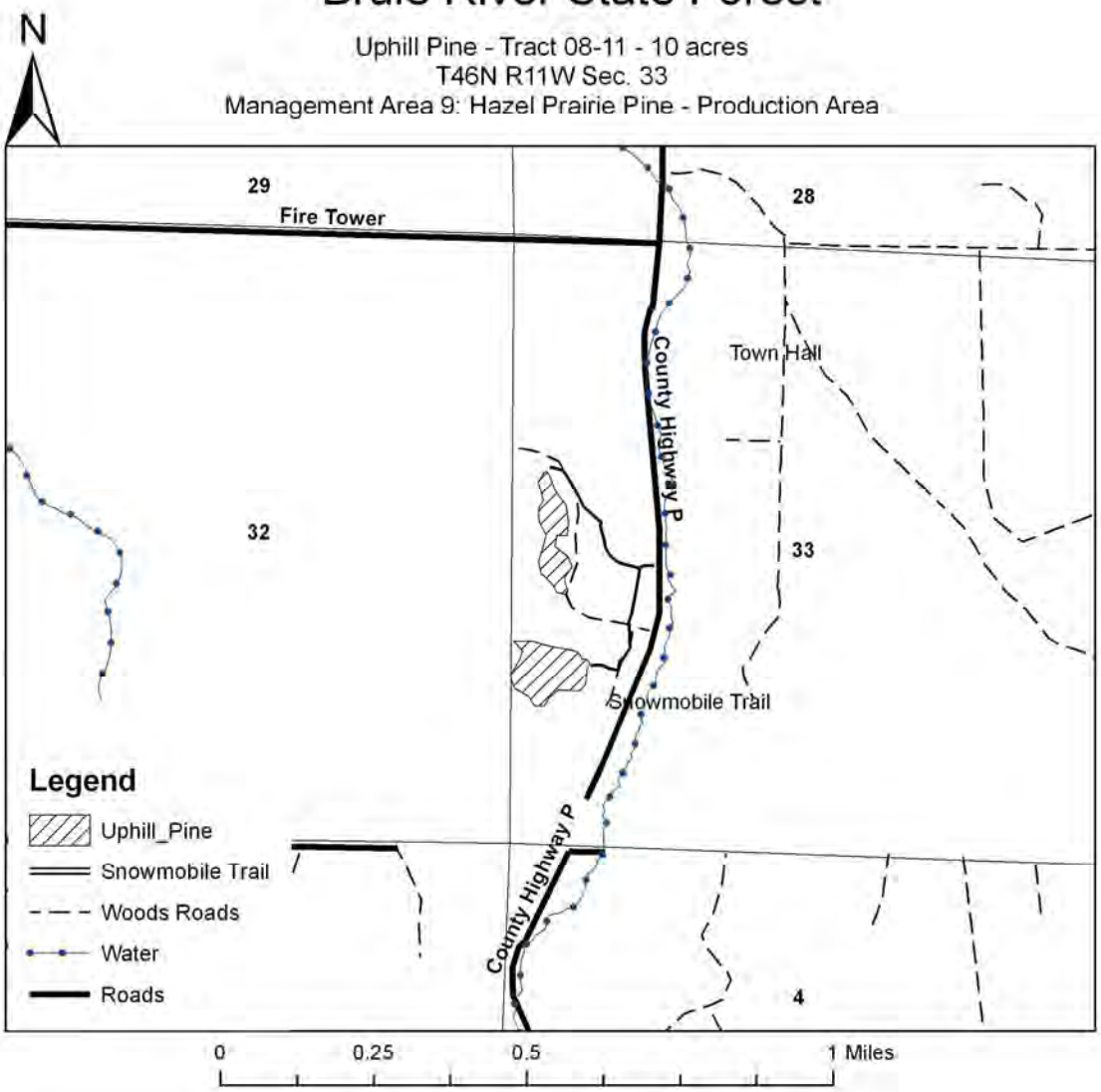
County Line Pine - Tract 07-11 - 144 acres
T47N R10W Sec. 36
Management Area 8: Troy Pit Pines - Forest Production Area



These stands are located west of County Line Road in the Troy Pit Pine Management Area in the Brule River State Forest. The goal for this area is to restore and maintain dry pine forest communities with an emphasis on jack pine covertypes. These stands are about 75 years old combine for a total of 144 acres of mature jack pine. The proposal for this stand is to clearcut the northwestern block and clearcut about half of the eastern. By only cutting half it will create diversity in the age classes as well as habitats. The remaining portion of the eastern stand will be cut 2-3 years after. Following harvest the site will be scarified using an anchor chain to promote natural regeneration. If natural regeneration fails planting or seeding will be done to perpetuate the jack pine covertype. There are no seasonal restrictions on this sale.

Brule River State Forest

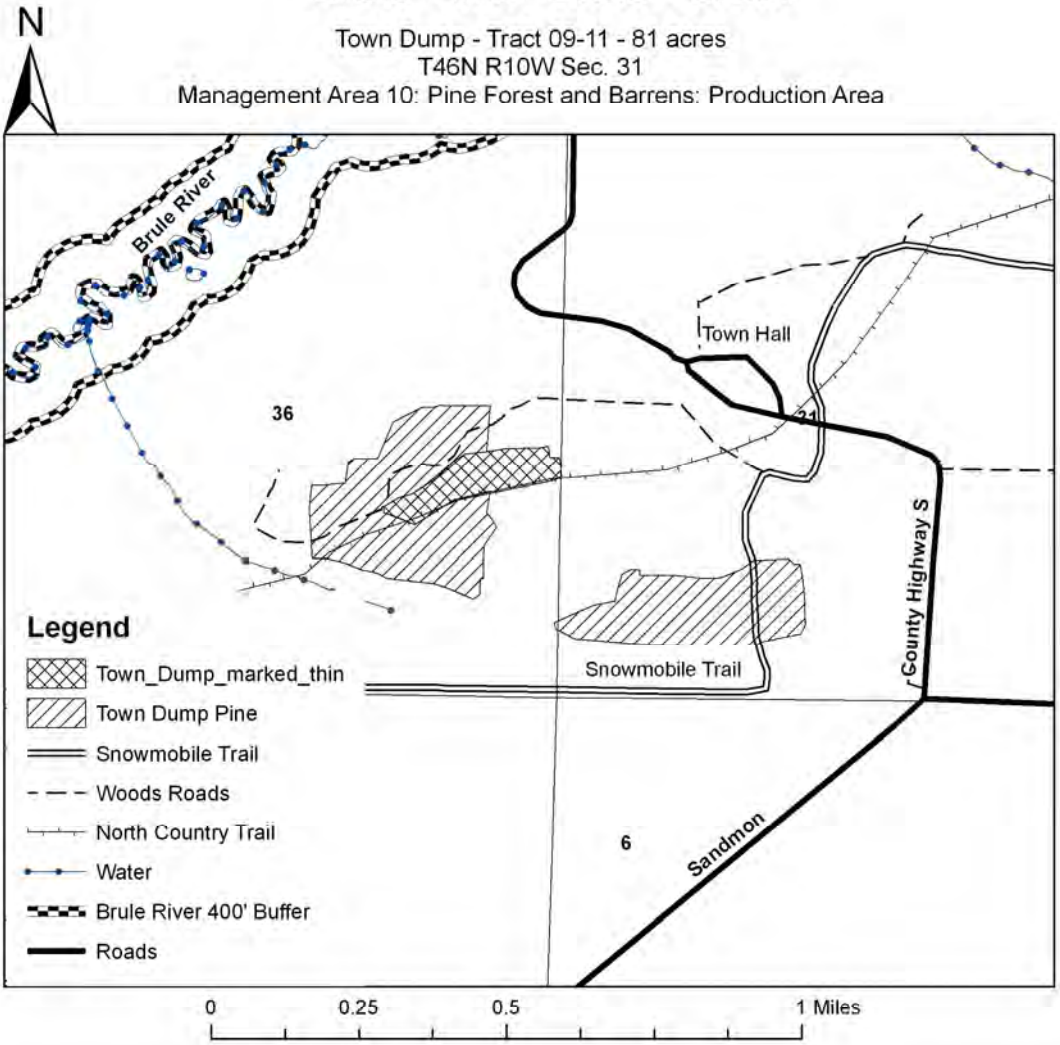
Uphill Pine - Tract 08-11 - 10 acres
T46N R11W Sec. 33
Management Area 9: Hazel Prairie Pine - Production Area



This stand is a 10 acre red pine plantation located off CR-P and Stone Chimney RD. It is found in Management Area 9 of the Brule River State Forest. The objectives of this area are to maintain current levels of red pine. This red pine stand was planted in 1967 and is due for a 2nd thinning. It was previously thinned in 2000. The current basal area is about 180 sq. ft./ ac. A marked thinning is proposed to reduce the basal area to about 100 sq. ft./ac. There will be no seasonal restrictions on this sale.

Brule River State Forest

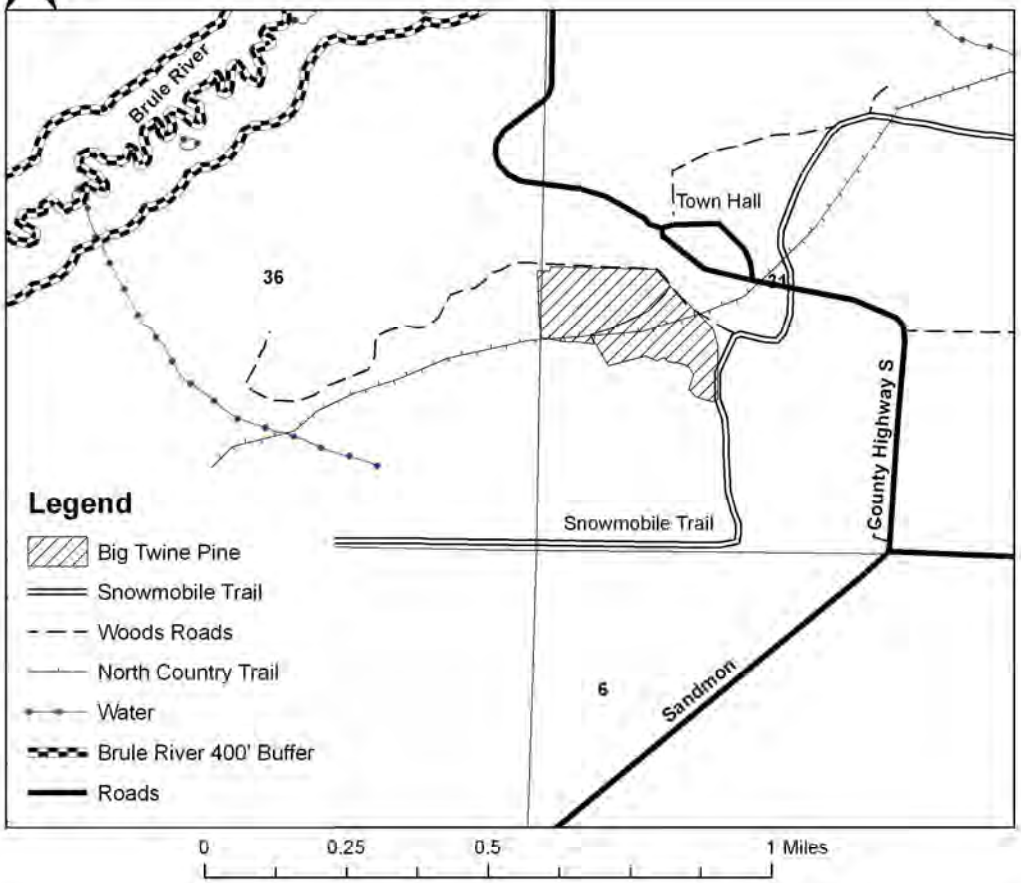
Town Dump - Tract 09-11 - 81 acres
T46N R10W Sec. 31
Management Area 10: Pine Forest and Barrens: Production Area



These pine stands are located on CR-S in Highland Township within Management Area 10. The objectives for this area are to restore and maintain native, natural communities which include thinning red pine plantations and converting stands to jack pine at rotation. The first stand was planted in 1980 and will undergo its first thinning which will remove every third row in the plantation. The second stand was planted in 1959 and will undergo a marked 2nd thinning that will reduce the basal area to about 100 sq. ft./ ac. there are no seasonal restrictions on this site, however access via the snowmobile trail will be closed when it is in use. Timing of harvest may be affected by neighboring sales to avoid confusion.

Brule River State Forest

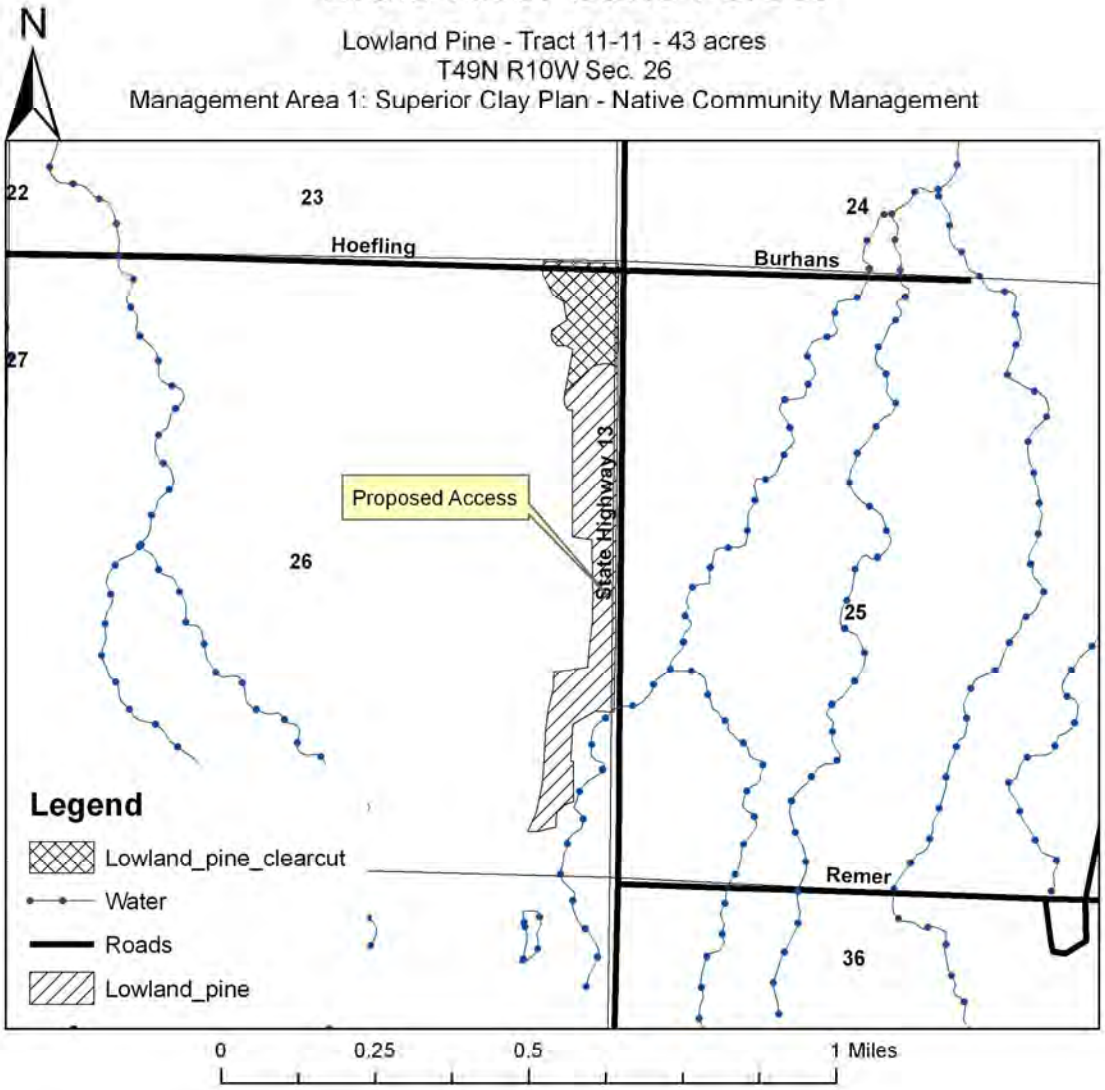
Big Twine Pine - Tract 10-11 - 28 acres
T46N R10W Sec. 31
Management Area 10: Pine Forest and Barrens: Production Area



These pine stands are located on CR-S in Highland Township within Management Area 10. The objectives for this area are to restore and maintain native, natural communities which include thinning red pine plantations and converting stands to jack pine at rotation. These stands were planted in 1955 and 1971. The first is undergoing its 3rd thinning, the other its 2nd. Both stand's basal areas average about 190 sq. ft./ ac and will undergo a marked tree thinning reducing the basal area to about 100 sq. ft./ac. Suppressed and defect trees will be discriminated against when marking. There are no seasonal restrictions on this site, however access via the snowmobile trail will be closed when it is in use. Timing of harvest may be affected by neighboring sales to avoid confusion.

Brule River State Forest

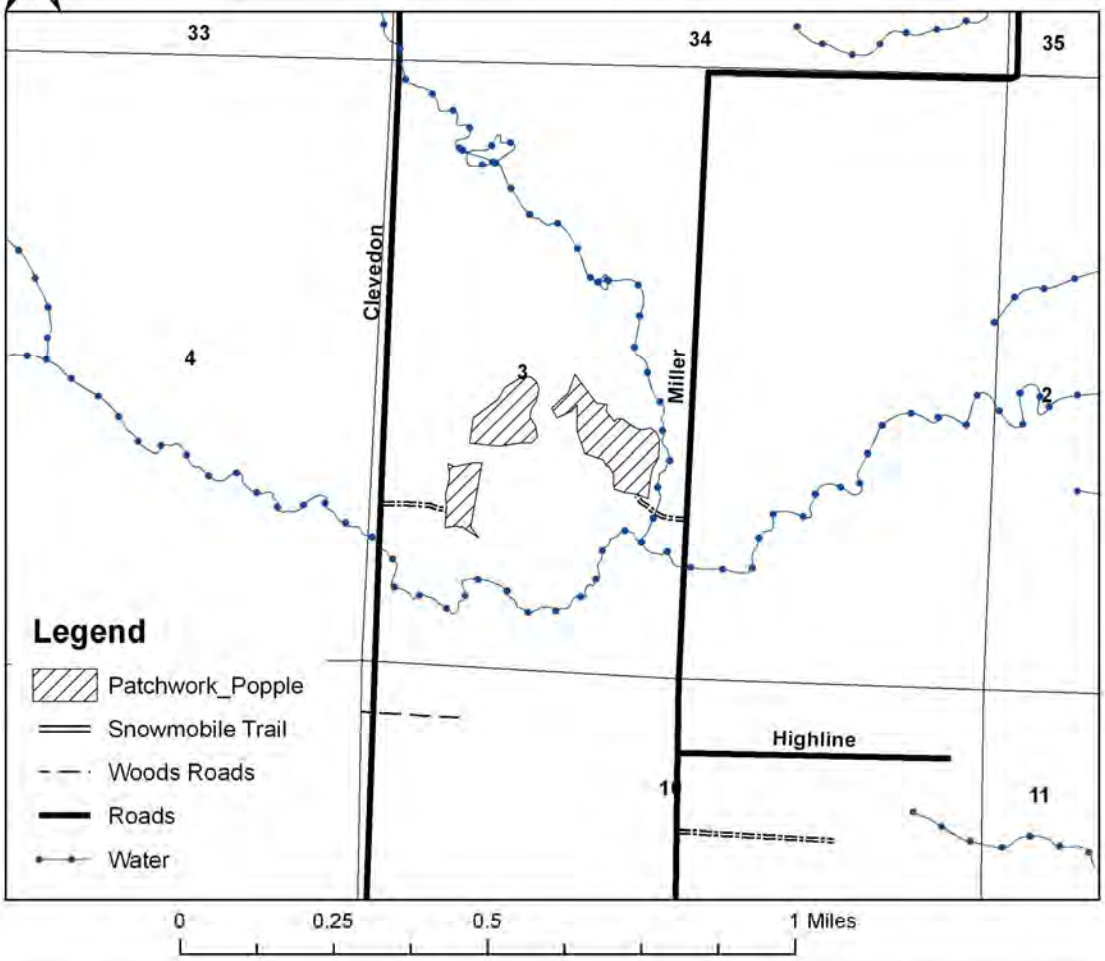
Lowland Pine - Tract 11-11 - 43 acres
T49N R10W Sec. 26
Management Area 1: Superior Clay Plan - Native Community Management



This red pine plantation was planted in 1971 and is located off of CR-H north of Remer RD. It lies within Management Area 1 on the Brule River State Forest. The objectives in this area are to manage toward a forest with a greater white spruce and white pine component. It is proposed that this stand undergo a row thinning to create more growing space for the remaining trees. This is the first thinning it will undergo and will remove every other row and leave the outside rows for aesthetic purposes. The northern portion of this stand (12 ac) will be clearcut due to the poor quality red pine. The area will then be planted with a mixture of white spruce and white pine which will help meet management area objectives. Harvest will be restricted to dry or frozen ground. Soil types on this site will permit biomass harvesting.

Brule River State Forest

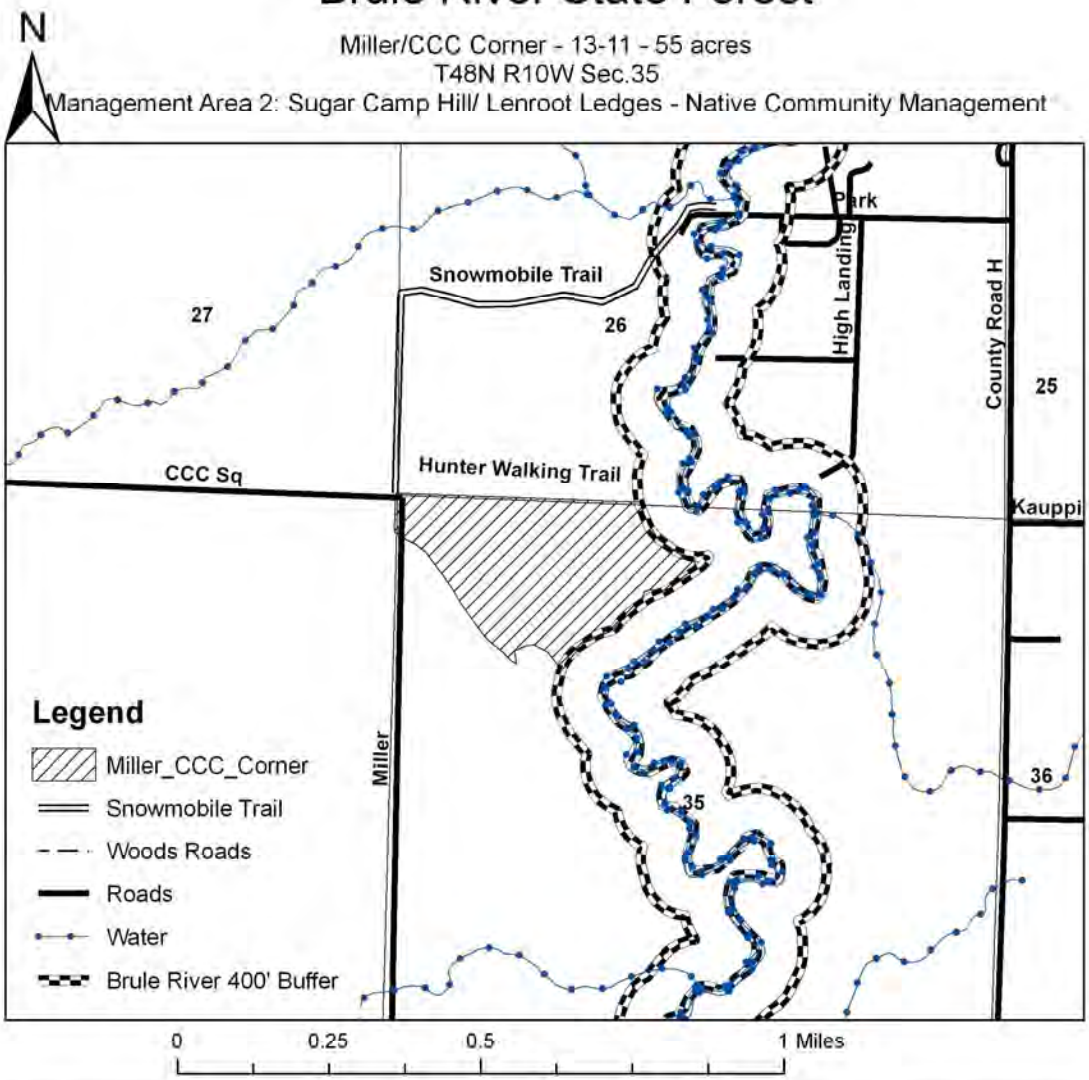
Patchwork Popple - 12-11 - 9 acres
T47N R10W Sec.10
Management Area 3: Miller RD/ CCC Square - Habitat Management



These aspen stands lie between Miller and Clevedon Road in Management Area 3 of the Brule River State Forest. Objectives for this area are to maintain aspen as the dominant forest covertype and increase the diversity of conifers as secondary convertypes. These stands are about 65 years old and are currently composed of mature aspen with an understory of balsam fir. The proposal for these three stands is to harvest all merchantable aspen and all balsam fir with two or more 100" sticks in them. The aspen will regenerate by root suckers and the created openings from the harvest will promote balsam fir and white spruce growth and regeneration. Following the harvest areas used for landings will be planted with conifers such as white pine and white spruce to meet management area objectives and also to eventually serve as a seed source in the future. Access from Miller RD may require a stream crossing permit. Site is suitable for biomass harvesting. Harvest will be limited to frozen ground only.

Brule River State Forest

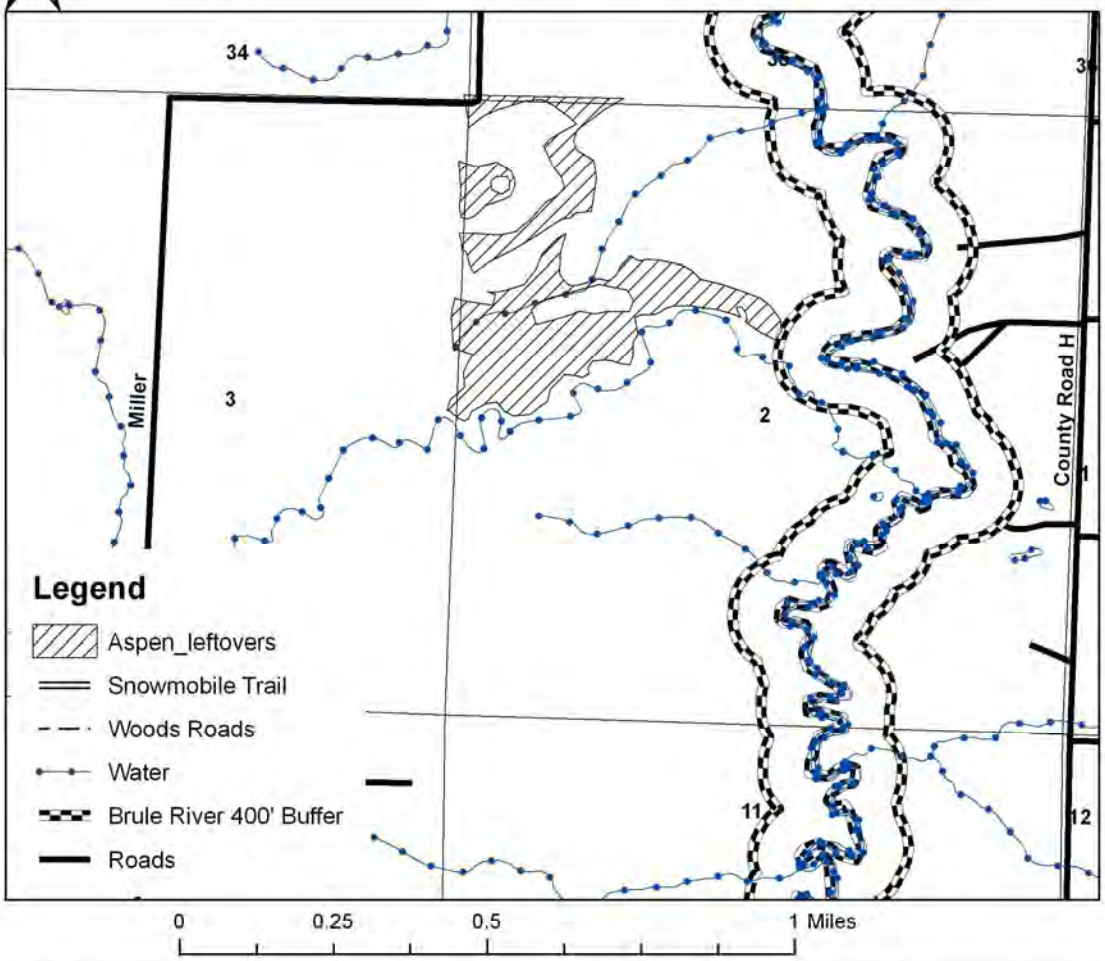
Miller/CCC Corner - 13-11 - 55 acres
T48N R10W Sec.35
Management Area 2: Sugar Camp Hill/ Lenroot Ledges - Native Community Management



This stand is located at the corner of Miller Road and CCC Square within Management Area 2 of the Brule River State Forest. The objectives for this area are to decrease the aspen covertype and develop a closed canopy composed of northern hardwoods and conifer species. Currently this stand is about 85 years old and composed of large over mature aspen, balsam fir, and red maple. The proposal for this site is to remove all merchantable aspen and any balsam fir with two or more 100" sticks. Also, all red maple under 6" in diameter will be removed. By leaving the larger red maple the canopy will develop more quickly and the trees forming the canopy will be of better quality since they were not previously suppressed in the understory. All white birch and white spruce will be left on site. Harvest will be limited to dry or frozen ground and will not take place within 400 feet of the Bois Brule River.

Brule River State Forest

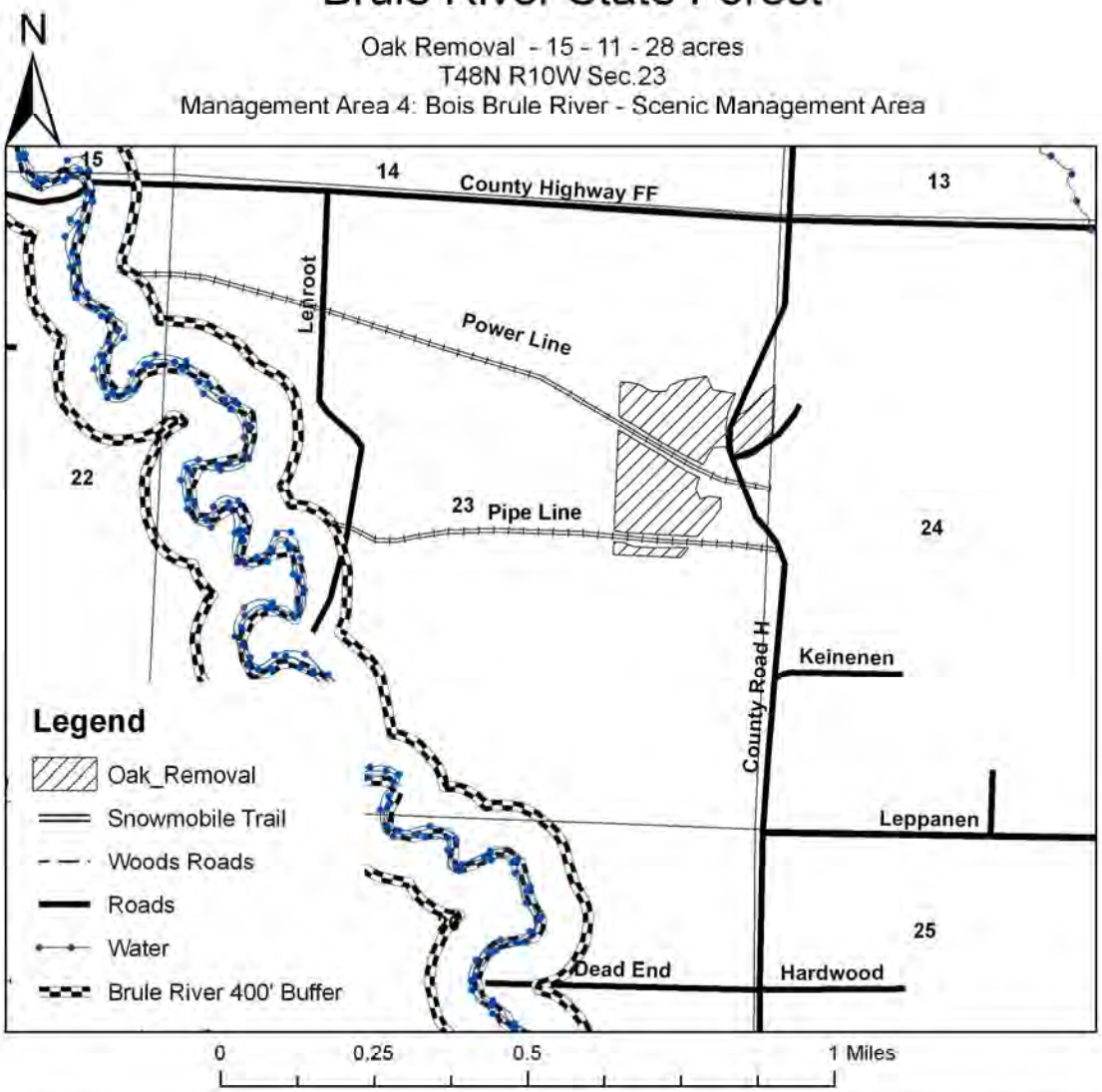
Aspen Leftovers - 14-11 - 54 acres
T47N R10W Sec.2
Management Area 3: Miller Road/CCC Square - Habitat Management



This stand is located off of Miller RD about 2 miles north of U.S HWY-2 in Management Area 3 of the Brule River State Forest. One objective of this area is to manage for the regeneration of aspen as the dominant covertype, another is to increase the conifer diversity as a secondary covertype. Currently this stand is about 65 years old and composed of mature aspen with a basal area of about 160 sq. ft./ acre. This stand is part of a larger stand that was cut in 1999. The proposal for this site is to remove all merchantable aspen and any red maple. All conifers will be retained. The previously cut portion of this stand currently has dense aspen regeneration with some balsam fir, regeneration in this stand will likely follow suit. Harvest will be limited to dry or frozen ground and will not take place within 400 feet of the Bois Brule River. Access may be possible via the Miller RD trail network.

Brule River State Forest

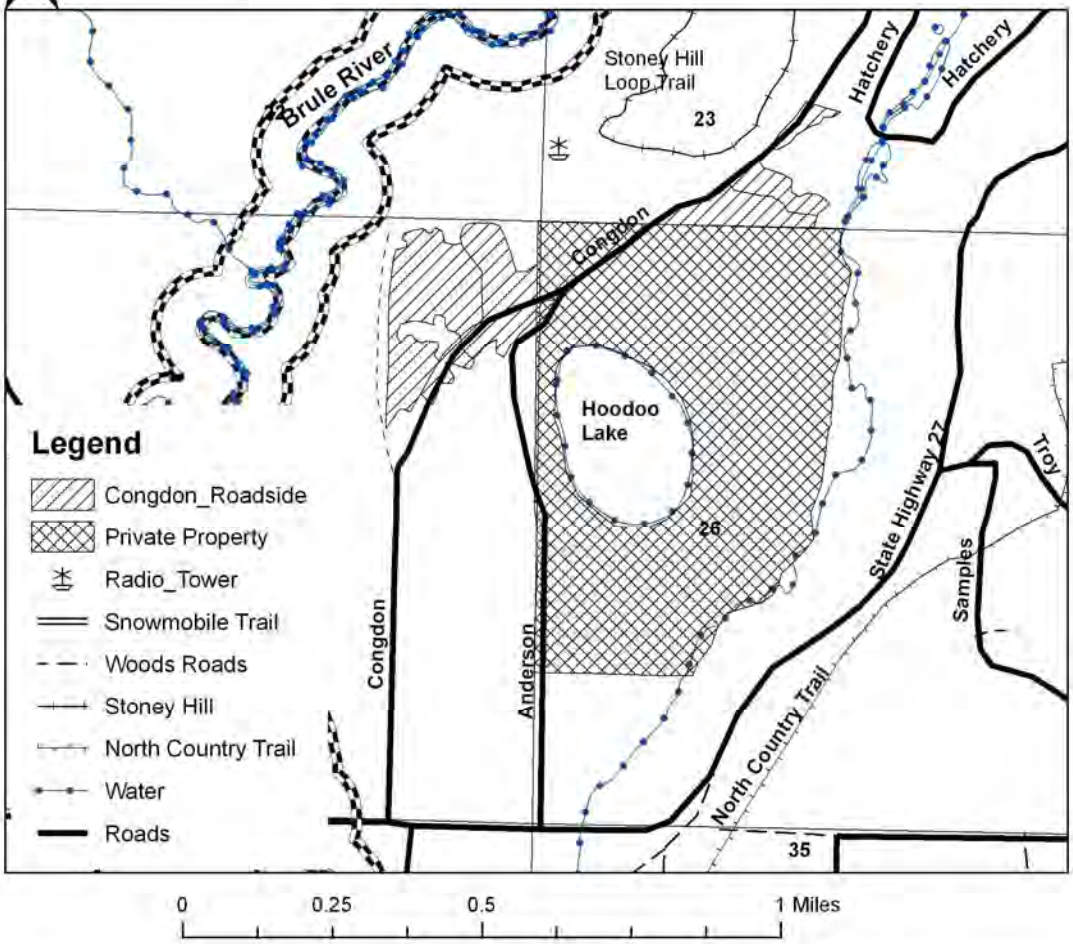
Oak Removal - 15 - 11 - 28 acres
T48N R10W Sec.23
Management Area 4: Bois Brule River - Scenic Management Area



This stand is located off of CR-H about 5 miles north of the town of Brule in Management Area 4 of the Brule River State Forest. The objectives for this area are to develop a forest of older trees as well as increase or establish white pine and fir-spruce covertypes. This stand is currently composed of red oak with some pockets of aspen scattered throughout the stand, white pine and balsam fir also make up a small component of this stand. This stand is about 80 years old and has no prior management recorded for it. Currently much of the overstory oak is dead as it was infested by two-line chestnut borer. The proposal for this stand is to remove all merchantable hardwoods from the site with the exception of some healthy oaks that will be retained as a seed source. All conifers will also be retained. Northern hardwood regeneration is present as well as balsam fir. Adjacent stands of white pine and fir-spruce covertypes will act as seed sources as well. Harvest will be limited to dry or frozen soil.

Brule River State Forest

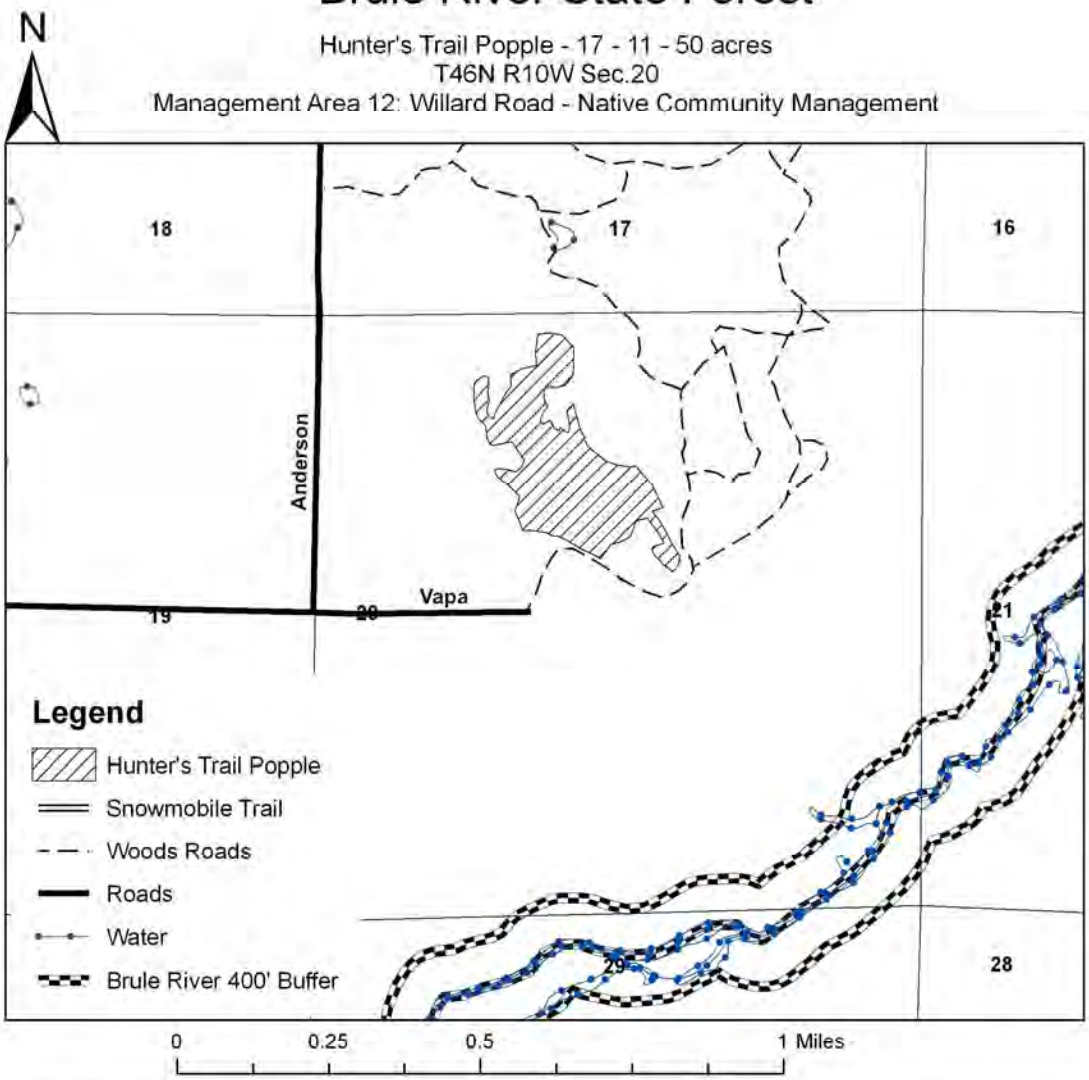
Congdon Roadside - 16 - 11 - 47 acres
T47N R10W Sec. 23, 27
Management Area 4: Bois Brule River - Scenic Management Area



These stands are located along Congdon RD about 1 mile south of the town of Brule in Management Area 4 of the Brule River State Forest. The objectives for this area are to develop a forest dominated by conifer species, particularly white pine and white spruce. This stand is about 90 years old with some areas of it younger having been thinned in 1977. Currently the stand is composed of scrub oak with scattered aspen and unthinned pockets of red pine interspersed, while the understory contains a good amount of white pine saplings. The proposal for this stand is to remove all the aspen and oak with the exception of possibly a few higher quality oaks to serve as a future seed source as well as a remnant of the old stand. The pockets of red pine will be thinned during the harvest as well. This treatment would open up the stand releasing the understory white pine and eventually creating a conifer dominated stand. No harvest will be seen from the Brule River. There will be no seasonal harvest restrictions. Soil type is not suitable for biomass harvest.

Brule River State Forest

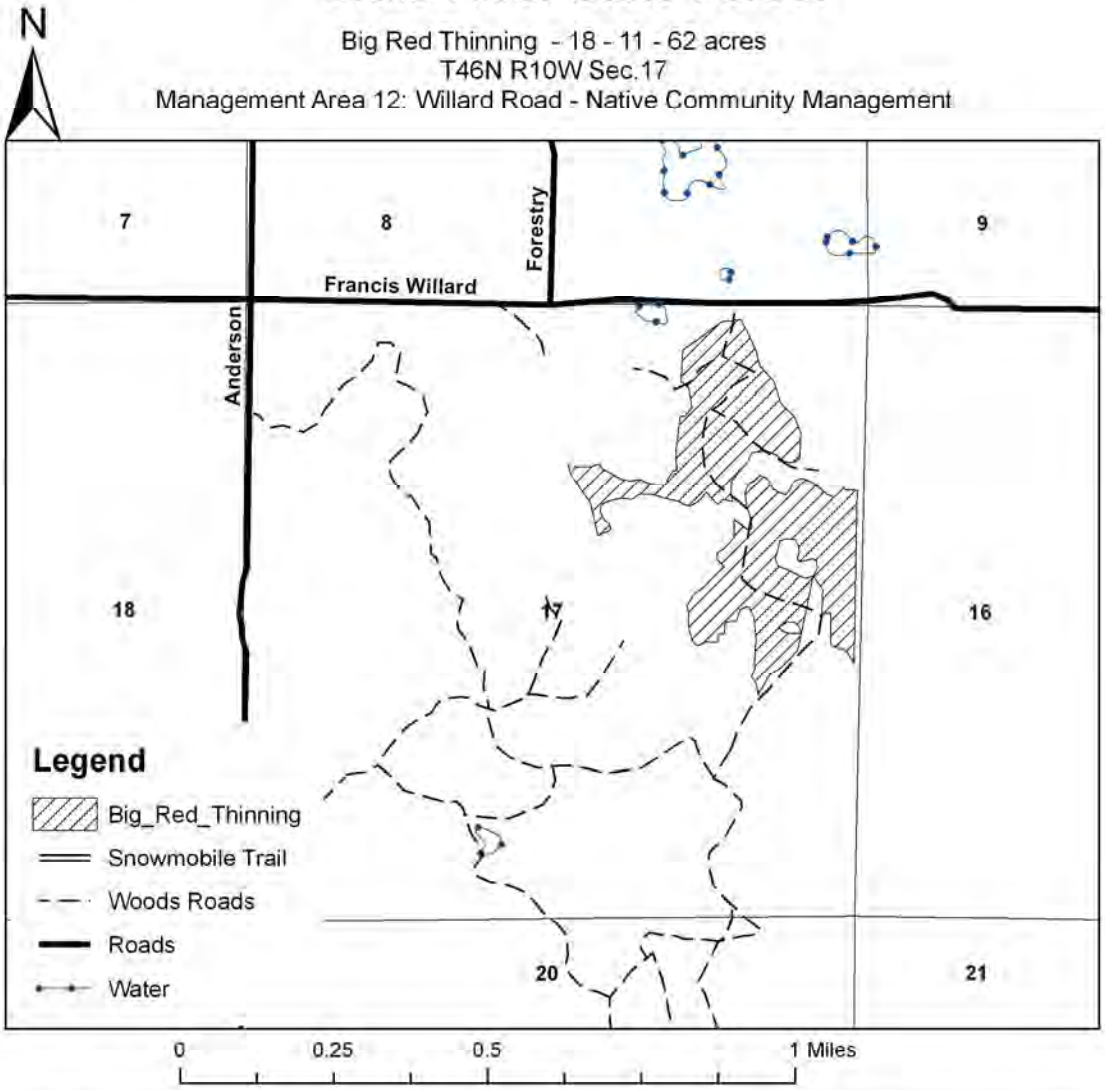
Hunter's Trail Popple - 17 - 11 - 50 acres
T46N R10W Sec.20
Management Area 12: Willard Road - Native Community Management



This stand is located off the corner of Vapa and Anderson RD in Management Area 12 of the Brule River State Forest. One of the objectives in this area is to increase the age diversity of the forest. This stand is listed as being about 80 years old and is currently composed of large diameter aspen and red oak. The proposal for this stand is to prescribe regeneration harvests in irregular shaped patches that would simulate natural disturbances. The patches would average about 10 acres in size and combine for a total of 50 acres for the timber sale; about half of the total stand acreage. This will create a residual stand with some age and structural diversity. All merchantable aspen and red oak will be removed along with scattered mature jack pine. This will facilitate sprouting by both species and create openings for white and red pine to seed in, both of which are found scattered throughout and in adjacent stands. The uncut portion of the stand will be left alone for about 10 years before being considered for harvest. There are no seasonal harvest restrictions.

Brule River State Forest

Big Red Thinning - 18 - 11 - 62 acres
T46N R10W Sec.17
Management Area 12: Willard Road - Native Community Management



This stand is located across from the comer of Forestry and Francis Willard RD in Management Area 12 of the Brule River State Forest. The objectives for this area are to restore and maintain a mixed hardwood and pine forest. This stand is currently composed of large diameter red pine that has a year of origin of 1850 and large red oak which had all trees smaller than 15" removed in 1996. The basal area of this stand is currently around 200 sq. ft./ac. The proposal for this stand is to do a canopy thinning to create more growing space for residual trees. The basal area will be reduce to between 100 - 110 sq. ft./ac which will also encourage red pine and red oak regeneration. Marking will be done to create canopy space around high quality trees that show signs of good health and vigor, poor quality trees will be discriminated against. Scarification should be done following harvest to promote regeneration. Soil types will not restrict year round harvest. The actual acreage of this stand will likely be less as some areas in the stand will not require a thinning.