Brule River State Forest

2009 Proposed Timber Sales

Tract 01-09: Clevedon Rd./Hwy. 13 – Aspen Regeneration Harvest – 71 acres

Tract 02-09: Troy Pit Rd. – Aspen/Jack Pine Regeneration Harvest – 25 acres
Scrub Oak Regeneration Harvest – 31 acres

Tract 03-09: Congdon Rd./Fish Hatchery Rd. – Red Pine Thinning – 18 acres

Tract 04-09: Hwy. H/Carlson Rd. – Spruce Thinning – 29 acres
Aspen Regeneration – 20 acres

Tract 05-09: Hilltop/CCC Rd. – Hardwoods Regeneration – 50 acres
Pine Thinning – 53 acres

Tract 06-09: Turkey Farm Rd. – Red Pine Thinning (1^{st}) – 63 acres

Tract 07-09: Troy Pit Rd. – Red Pine Thinning (2^{nd}) – 50 acres

Tract 08-09: Bong Forest Rd. – Red Pine Thinning (1^{st}) – 63 acres

Tract 09-09: Hwy. P/Fire Tower Rd. – Red Pine Thinning ($2^{nd}/3^{rd}$) – 32 acres

Tract 10-09: Francis Willard Rd. – Oak/Aspen Regeneration Harvest – 81 acres

Tract 11-09: Hwy. 27 – Aspen Regeneration Harvest – 22 acres

Tract 12-09: Rush Lake Rd. – Aspen/Jack Pine Regeneration Harvest – 47 acres
Red Pine Thinning – 3 acres

Tract 13-09: Jersett Rd. – Hardwoods Regeneration Harvest – 31 acres
Jack Pine Regeneration Harvest – 28 acres

Tract 14-09: Rush Lake Rd. – Red Pine Thinning ($1^{st}/2^{nd}$) – 60 acres

Tract 15-09: Rush Lake Rd. – Hardwoods Regeneration – 53 acres

Tract 16-09: Hwy. 27/Snowmobile Trail – Hardwoods Regeneration – 34 acres

Total Acres Proposed: 864

Acres by Species/Cover Type:

- Aspen – 185
- Red Pine – 342
- Mixed Hardwoods – 199
- Spruce - 29
- Oak - 81
- Jack Pine – 28

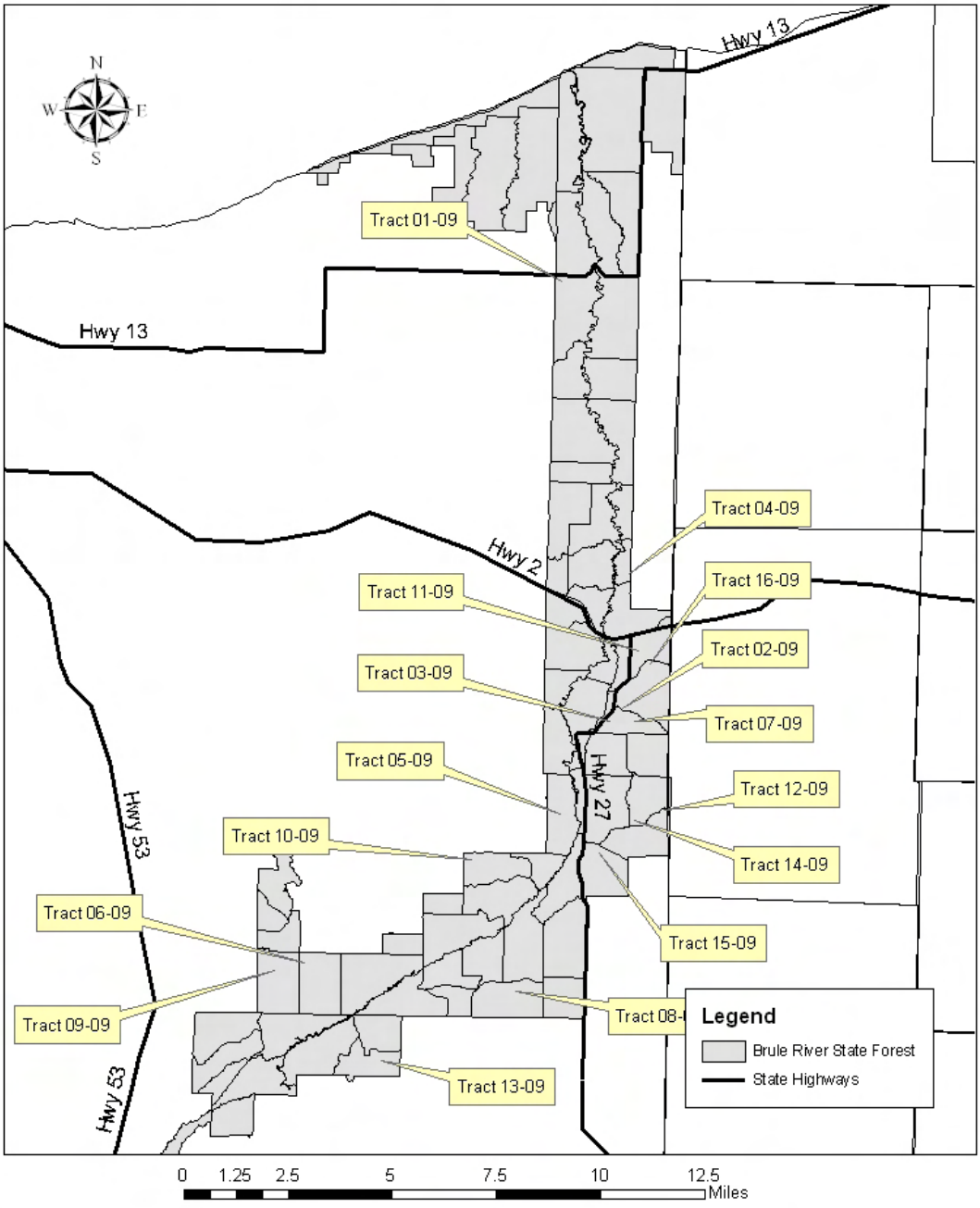
Average Proposal Acreage: 50.8 acres

Largest Proposal Acreage: 103 acres

Smallest Proposal Acreage: 18 acres

Brule River State Forest

2009 Timber Sale Location Map

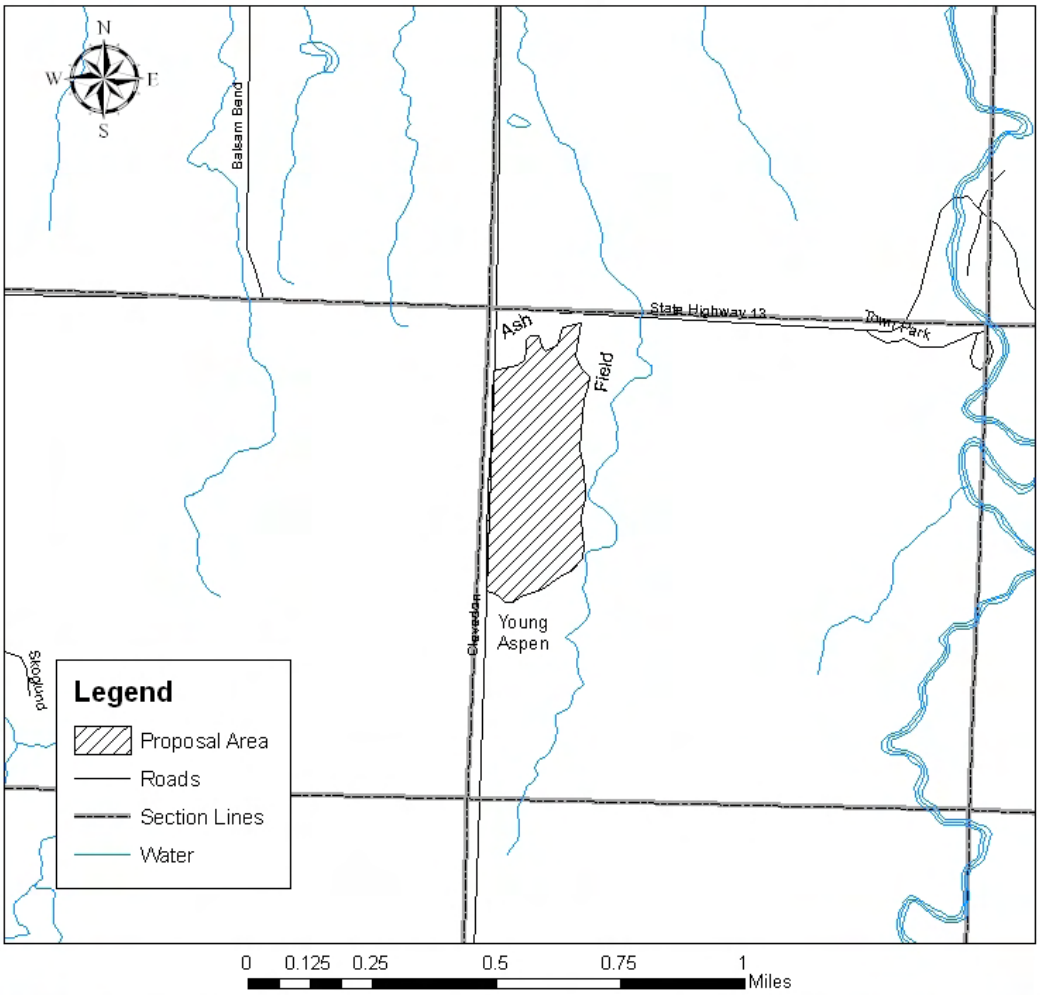


Brule River State Forest

The Clevedon 13 - Tract 01-09 - 71 acre Aspen Regeneration Harvest

T48N R10W Sec. 3

Management Area 1 BRSF Master Plan: Native Community Management



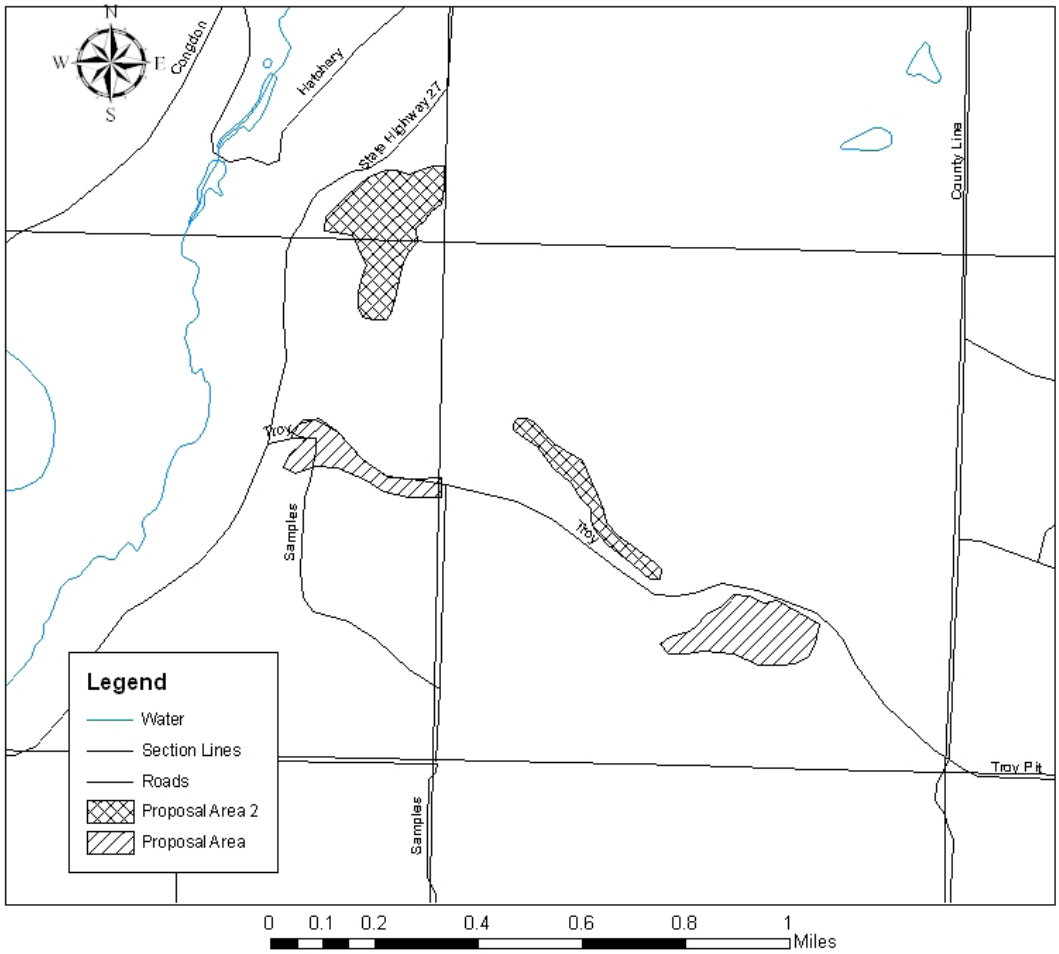
This stand of mature aspen is part of a much larger stand in this compartment which has reached rotation age. This area may have once been used as pasture which may explain the wide variation in ages within this part of the stand. The goals listed in the Brule River State Forest Master Plan are to reduce aspen acrage while increasing the percentage of white spruce, white birch, and white pine cover types. The management technique for this area will be clearcut with reserve patches of younger aspen. Regeneration of the site will rely on root sucker sprouts for the aspen and natural seeding for the hardwoods and conifers. Planting white spruce and white pine will be considered in areas or pockets of poor or insufficient stocking.

Brule River State Forest

Troy Pit Roadside - Tract 02-09 - 25 acre Aspen Regeneration Harvest
31 acre Jack Pine and Hardwoods Regeneration Harvest

T47N R10W Sec. 25, 26

Management Area 8 BRSF Master Plan: Forest Production Area



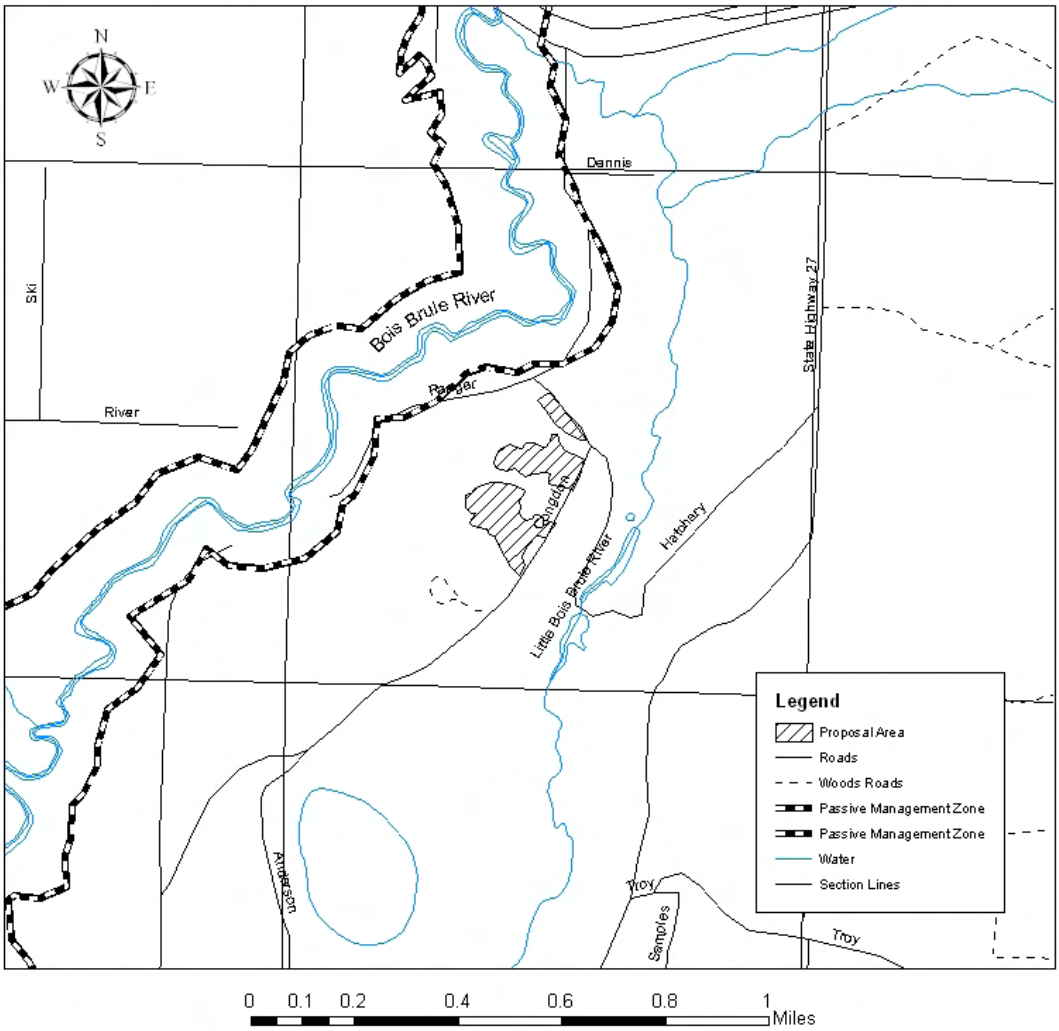
These stands consist of mature aspen, jack pine, and scrub oak which are starting to show signs of decline. Mixed hardwoods and white birch will also be included in this sale. The quality of these materials is expected to be poor and the most likely utilization method will be chipping. The recommended treatment will be clearcut with some hardwood seed trees and red and white pine as retention. Regeneration will be through root suckers for the aspen, slash dispersal and seeding for the pines, and stump sprouts and seeding for the hardwoods. Some areas will likely be treated through scarification and then seeded with jack pine.

Brule River State Forest

Stoney Hill Pine - Tract 03-09 - 18 acre Red Pine Thinning

T47N R10W Sec. 23

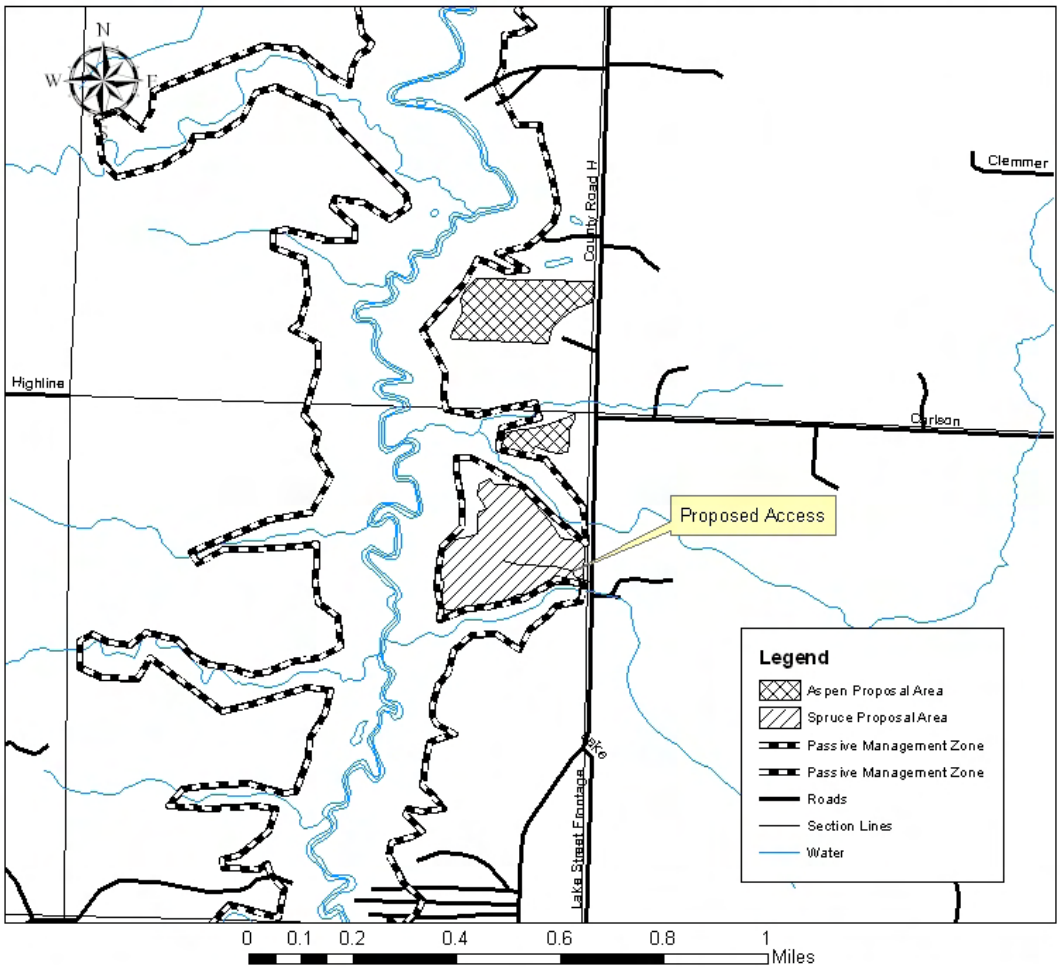
Management Area 7 BRSF Master Plan: Special Management



This proposal is for the thinning of a red pine plantation and a natural red pine stand on Stoney Hill near the Brule River State Forest Ranger Station. The average basal area for the natural red pine stands is 180 sq. ft. including the hardwoods growing within the stand. A marked thinning of the red pine and removal of the hardwoods will reduce the basal area to 100-120 sq. ft. as well as open pockets within the stands for natural red pine regeneration. The Stoney Hill Hiking Trails runs through this sale and precautions will be taken to prevent damage to the trail.

Brule River State Forest

Rocky Run - Tract 04-09 - 20 acre Aspen Regeneration Harvest
29 acre Spruce Thinning
T47N R10W Sec. 2, 11
Management Area 4 BRSF Master Plan: Scenic Management Area



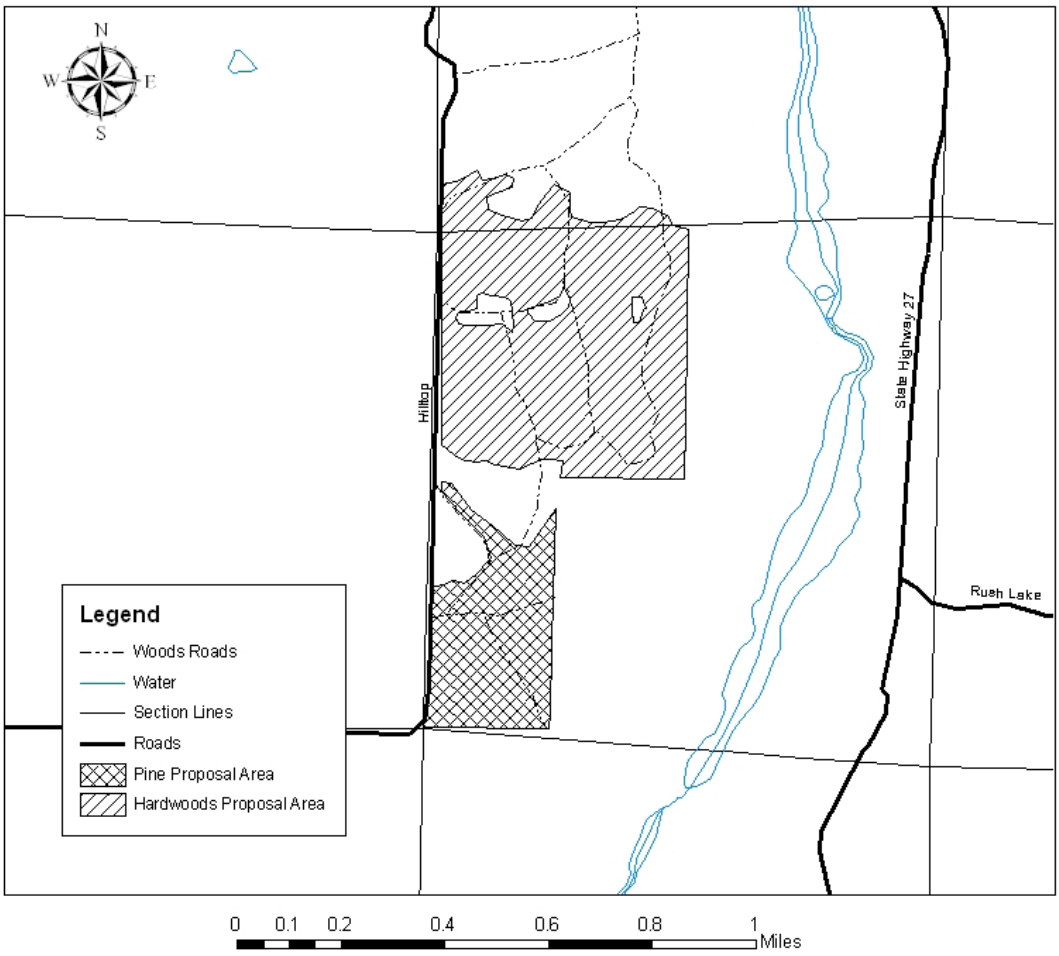
These stands consist of two areas of aspen which have reached rotation age and a spruce plantation which has not yet been thinned. This management zone of the forest calls for small 5-10 acre harvests and promoting older forest types with high components of conifers. This sale will focus on promoting conifer domination in these aspen stands as well as manage existing conifer plantations for stand health. The aspen will have clearcut patches where conifers will be able to seed into. Conifers will not be harvested in these areas. The spruce plantation has an average basal area of 140 and will be thinned to an average basal area of 90-100 sq. ft. An access road will be established within the spruce plantation and will end in a grassy opening. This road will be closed off once harvest operations have finished.

Brule River State Forest

Hilltop Hardwoods - Tract 05-09 - 50 acre Hardwoods Regeneration Harvest and 53 acre Pine Thinning

T46N R10W Sec. 3, 10

Management Area 12 BRSF Master Plan: Native Community Management



This proposal is located on CCC Rd. in the township of Highland. Of the acreage proposed for the hardwoods only about 1/3 of the area will actually be harvested through small (5-15 acres), irregularly shaped patch clearcuts. The goal of this sale will be to regenerate hardwoods such as oak, birch, and maple. Rolling topography will be a challenge in establishment and harvest. Harvest will be limited to dry or frozen ground only. Regeneration for this area will rely on stump sprouts and natural seeding. Prescribed burning may also accompany these harvests to promote regeneration.

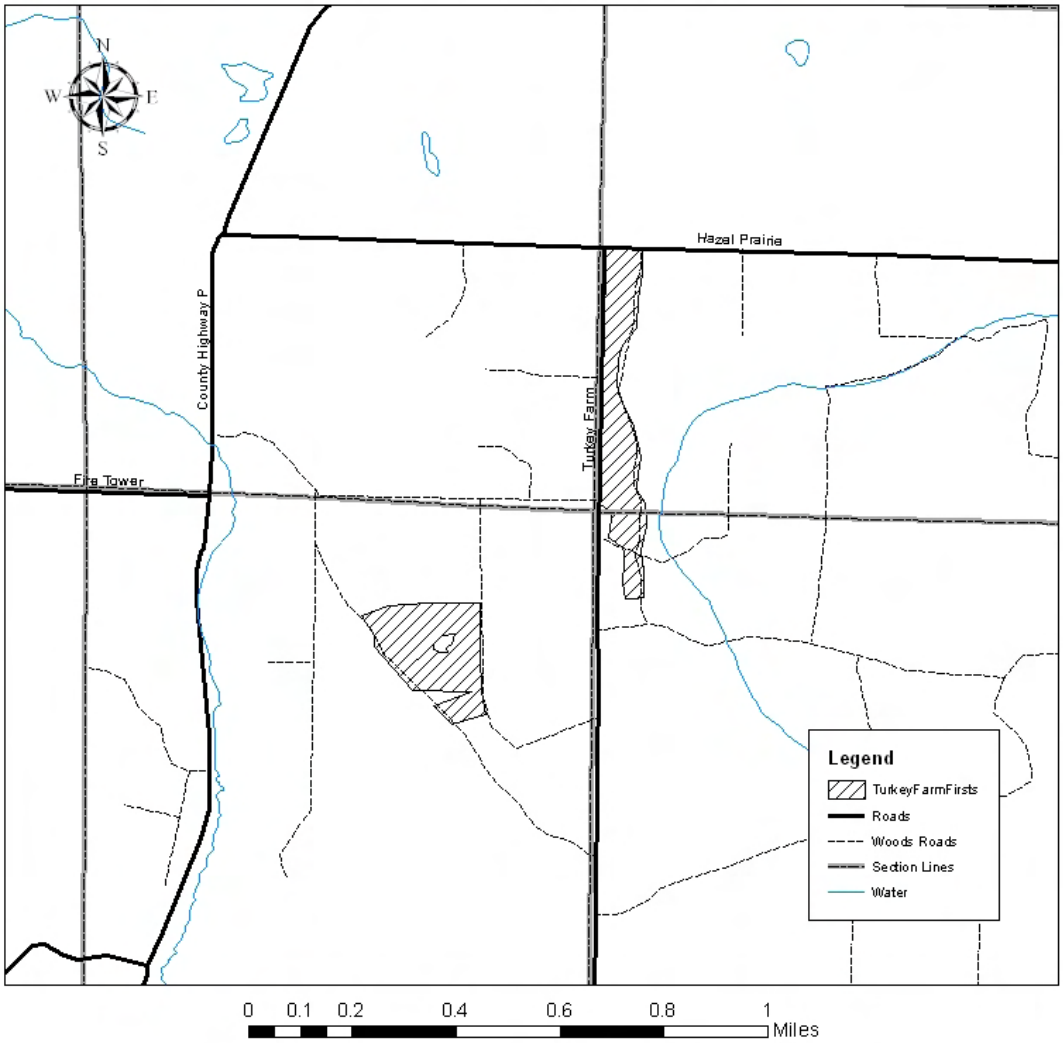
A marked thinning in a natural red pine stand will accompany the hardwoods cut. Overstocked areas will be thinned to a basal area between 100-120 sq. ft. Within this stand there is a small patch of jack pine which will be presale scarified and clearcut.

Brule River State Forest

First Turkey Pines - Tract 06-09 - 63 acre Red Pine Thinning

T46N R11W Sec. 27, 33, 34

Management Area 9 BRSF Master Plan: Forest Production Area



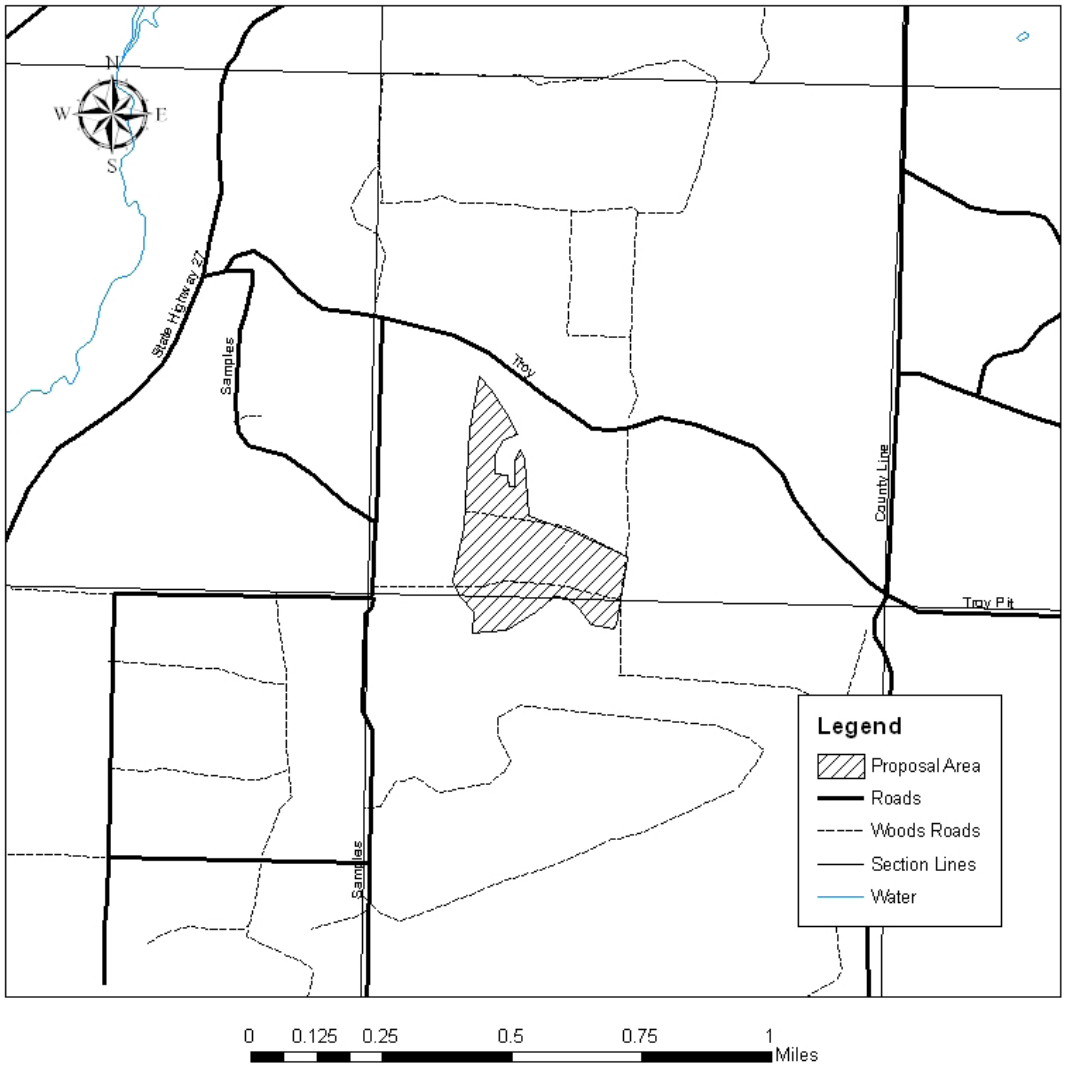
This proposal consists of two red pine plantations which were planted in 1978 and 1979 and have not been previously thinned. The average basal area in these stands is at or above 190 sq. ft. with an average dbh of 7.1 inches. The recommended management for these stands is a commercial thinning to an average basal area between 100 and 120 sq. ft.

Brule River State Forest

Gravy Pine - Tract 07-09 - 50 acre Red Pine Thinning

T47N R10W Sec. 25, 36

Management Area 8 BRSF Master Plan: Forest Production Area



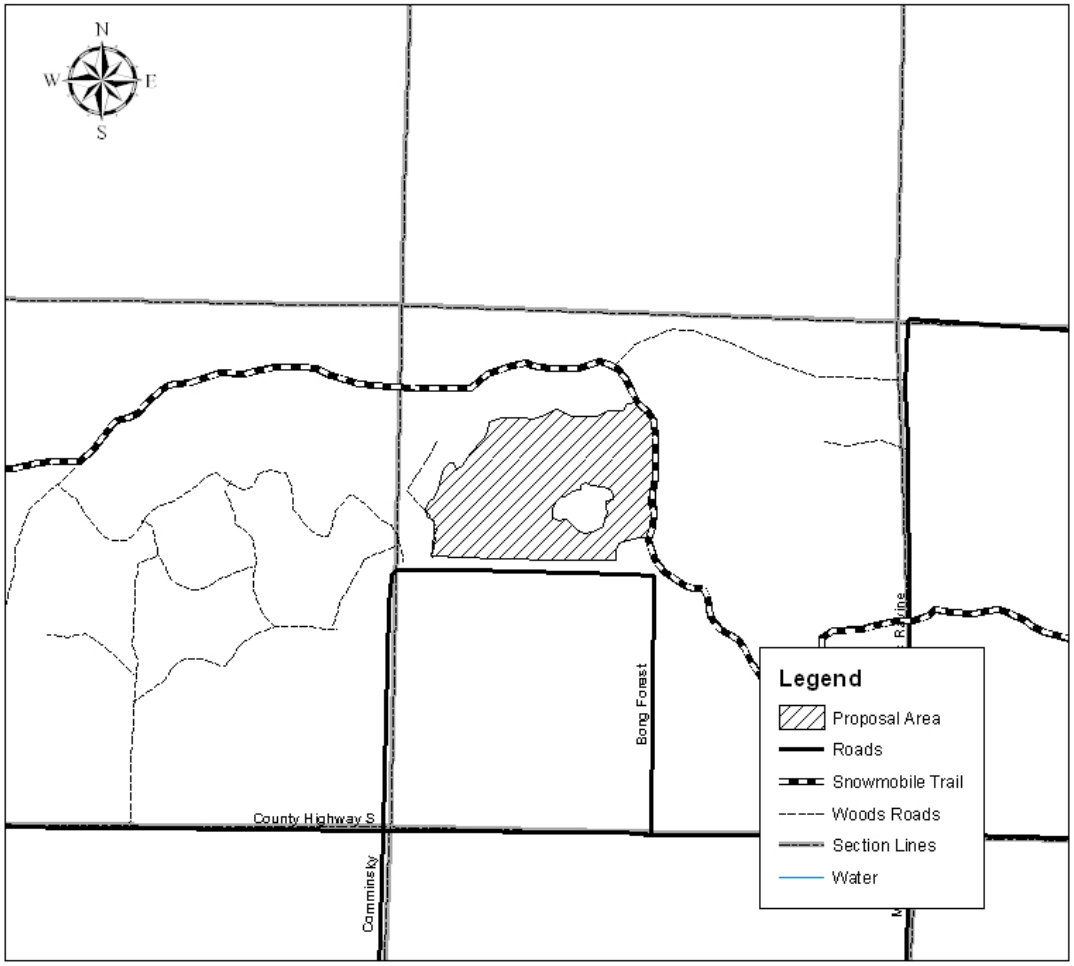
This proposal is for thinning a pine plantation which was planted in 1973 and commercially thinned in 1997. The average basal area is 163 sq. ft. and average dbh is 8.2. This sale will be a marked thinning to reduce the basal area to between 100 and 120 sq. ft.

Brule River State Forest

Out Back of the School - Tract 08-09 - 63 acre Red Pine Thinning

T46N R10W Sec. 33

Management Area 10 BRSF Master Plan: Native Community Management



0 0.125 0.25 0.5 0.75 1 Miles

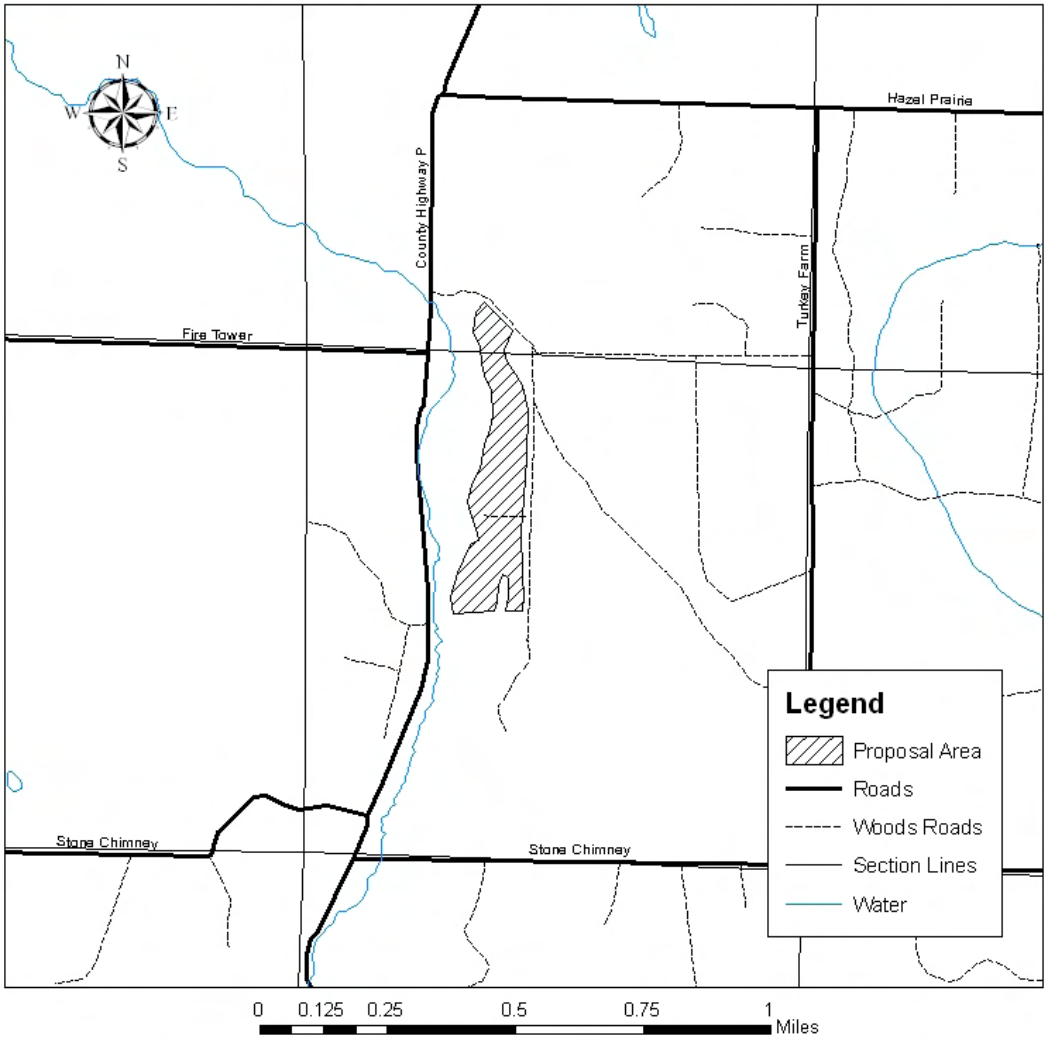
This stand of red pine was planted in 1965 and has not been thinned to date. A considerable amount of jack pine has grown up with the stand and has taken over small pockets within the stands boundaries. This proposal is for a marked thinning which will reduce the basal area to between 100-120 sq. ft. The average basal area across the site is 155 sq. ft., but some pockets of red pine have over 200 sq. ft. Interior pockets of jack pine will not be harvested at this time.

Brule River State Forest

"P" Pines - Tract 09-09 - 32 acre Red Pine Thinning

T46N R11W Sec. 28, 33

Management Area 9 BRSF Master Plan: Forest Production Area



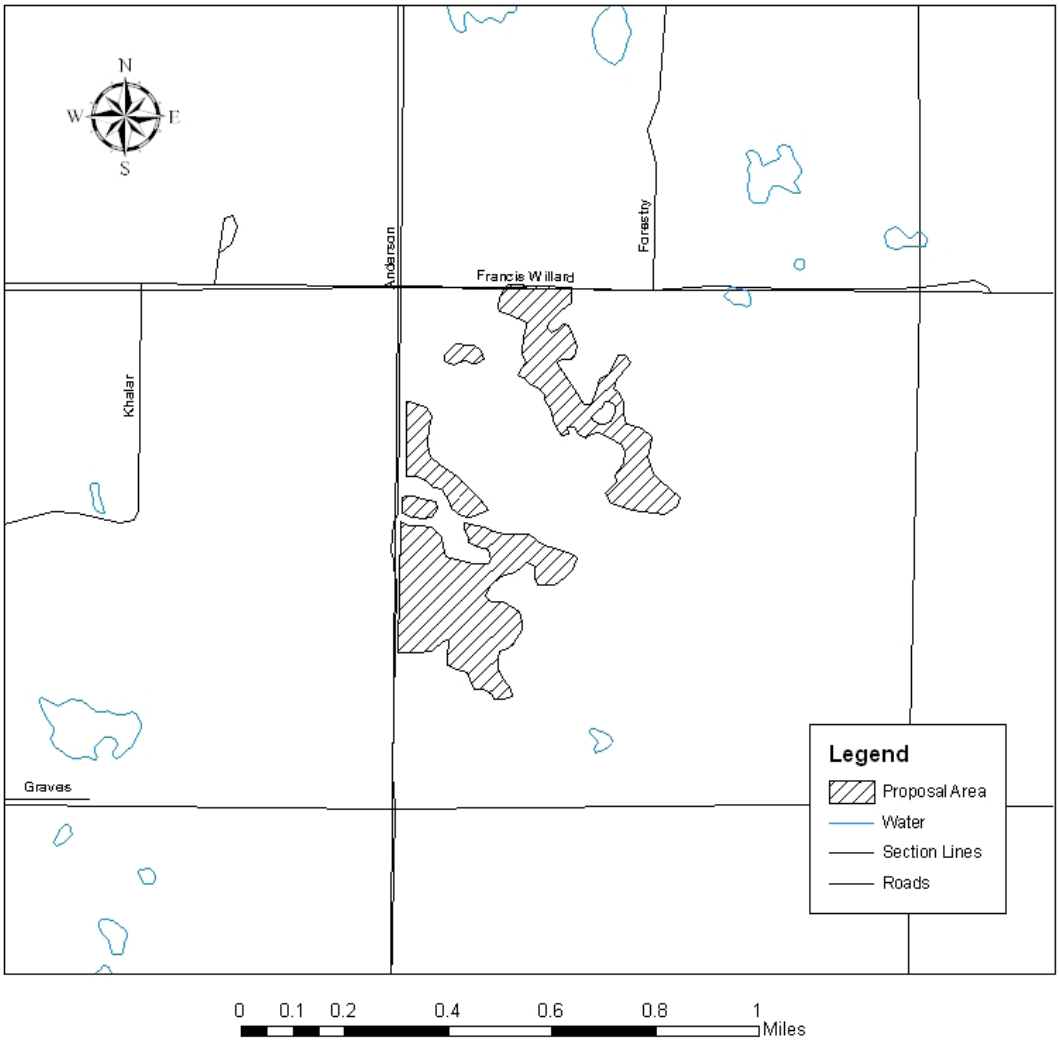
This red pine plantation was established in 1967 and parts were commercially thinned in 1991 and 1997. This proposal is for a marked thinning to reduce the basal area to 100-120 sq. ft. and to release crop trees so they are free to grow, edges will be left more intact to prevent windthrow. There are no seasonal harvest restrictions for this sale.

Brule River State Forest

Francis Willard Oak and Aspen - Tract 10-09 - 81 acre Regeneration Harvest

T46N R10W Sec. 17

Management Area 12 BRSF Master Plan: Native Community Management



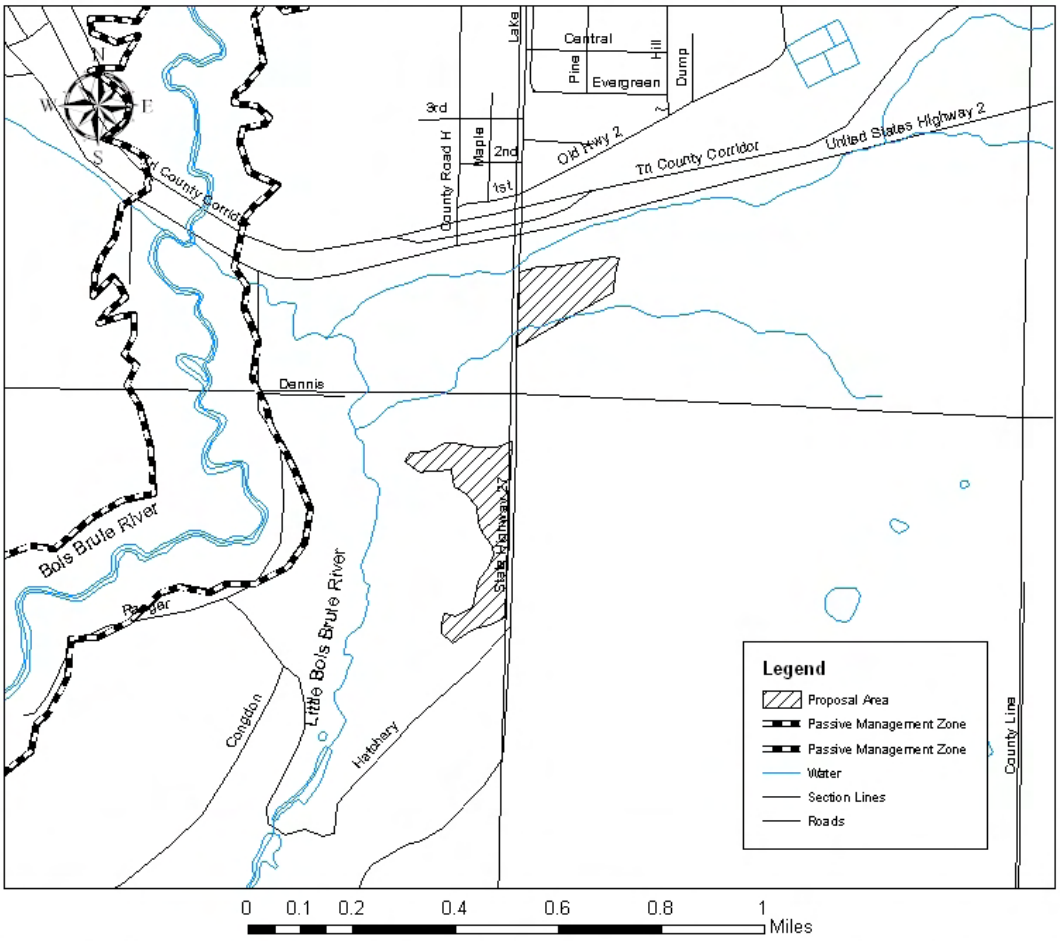
This proposal is for an area which contains large big-toothed aspen, oak, maple, and birch. Much of the area in this proposal is the retention strips from a previous timber sale where patch clearcuts were harvested. These strips are in declining health and should be removed to regenerate the site. The aspen will be regenerated through clearcutting and root suckering. All harvest options will be considered in order to regenerate oak and birch on this site, but the likely method will be patch clearcut.

Brule River State Forest

27 Classics Aspen - Tract 11-09 - 22 acre Aspen Regeneration and Stand Improvement

T47N R10W Sec. 13, 23

Mangement Area 4, 7, 8 BRSF Master Plan: Scenic Management, Special Management, Forest Production.



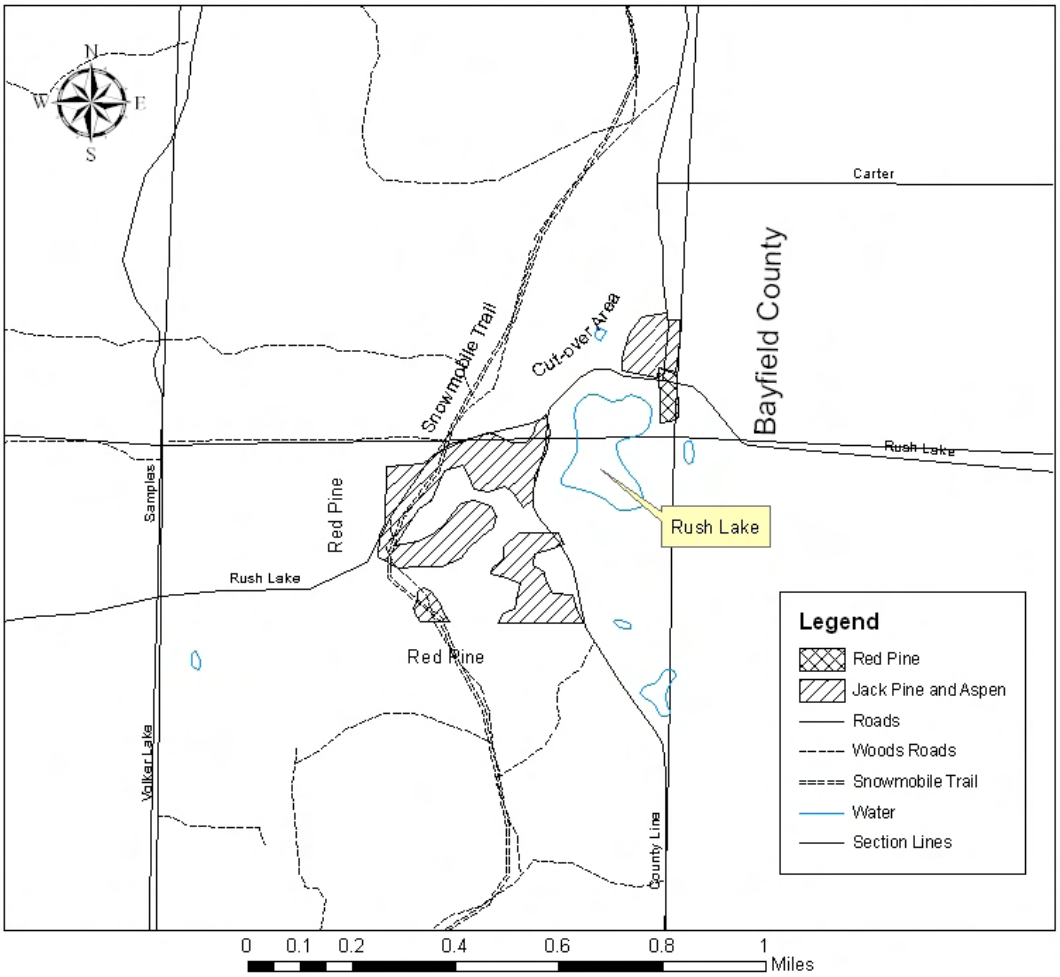
These two areas consist of a large diameter white pine stand with codominant aspen and an aspen stand with fir and spruce in the understory. This proposal is for removing the aspen from the stand of white pine and regenerating the aspen in the stand west of Hwy 27. The goal for removing the aspen from among the white pine is to allow room for the establishment of white pine, spruce and other conifer seedlings in this stand. Some mature balsam fir may be taken to prevent windthrow. The goal for the aspen on the west site is to release some of the fir and spruce in the understory to promote diversity as well as regenerate the stand. These stands are in high traffic areas of the forest and aesthetic considerations will be applied.

Brule River State Forest

County Line Clean-up - Tract 12-09 - 47 acre Jack Pine and Aspen Regeneration Harvest and 3 acre Red Pine Thinning.

T46N R10W Sec. 1, 12

Management Area 8 BRSF Master Plan: Forest Production Area



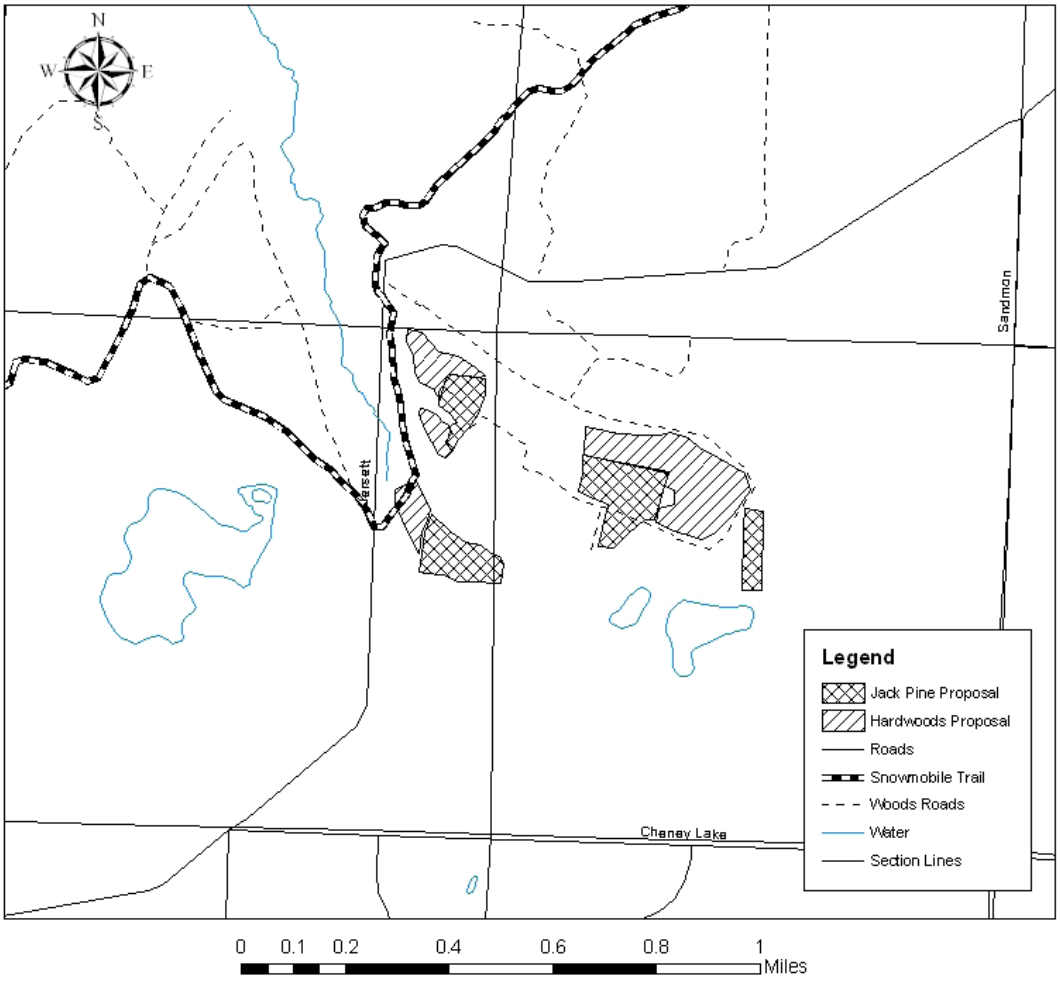
This area lies mainly outside the roadways that border Rush Lake and consists of mature aspen, a small red pine plantation that has not been commercially thinned, and pockets of jack pine that have experienced damage and mortality from recent insect outbreaks. The planned course of action is to clearcut and regenerate the areas of aspen and jack pine and thin the red pine to a healthier stocking level. Scarification and seeding will also be considered to regenerate jack pine in areas of this sale. The areas surrounding much of this proposal received a similar treatment in 1994, and pockets of jack pine are growing among the aspen.

Brule River State Forest

Jersett Rd. Clean Up - Tract 13-09 - 31 acre Scrub Oak and Hardwoods Regeneration Harvest, 28 acre Jack Pine Regeneration Harvest

T45N R11W Sec. 11, 12

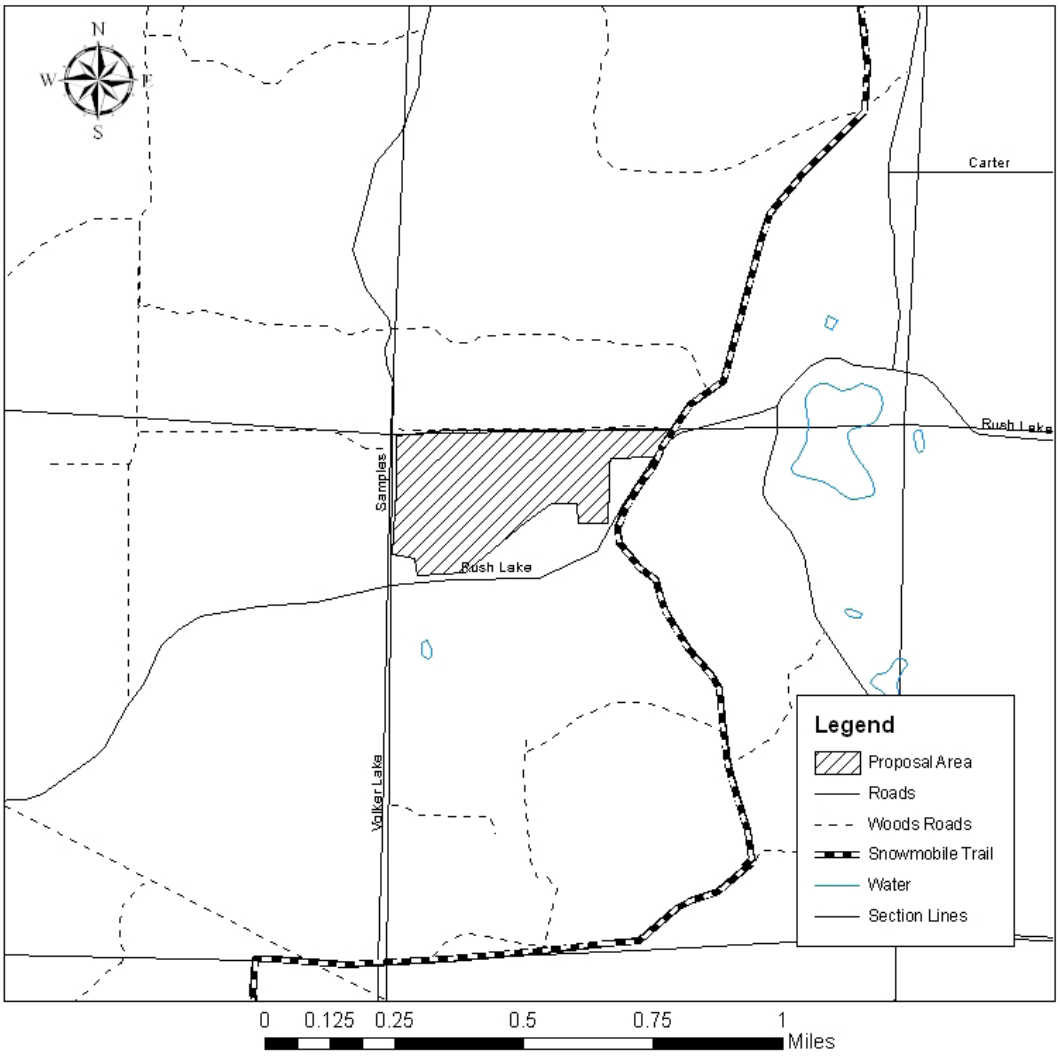
Management Area 10 BRSF Master Plan: Native Community Management



This proposal is located on Jersett Rd. east of Solon Springs and consists of small patches of jack pine plantations that were heavily damaged by recent budworm activity and patches of mature scrub oak, red maple, and some aspen. The jack pine will be a part of next years schedule but due to stand conditions it is being harvested early and will require scarification (pre or post sale) to regenerate. Dense brush and oak saplings will be removed with the jack pine. There is significant scrub oak regeneration in the understory of the hardwoods stands and stump sprouts and seeding will add to this number.

Brule River State Forest

Clear View Pines - Tract 14-09 - 60 acre Red Pine Plantation Thinning
T46N R10W Sec. 12
Management Area 8 BRSF Master Plan: Forest Production Area



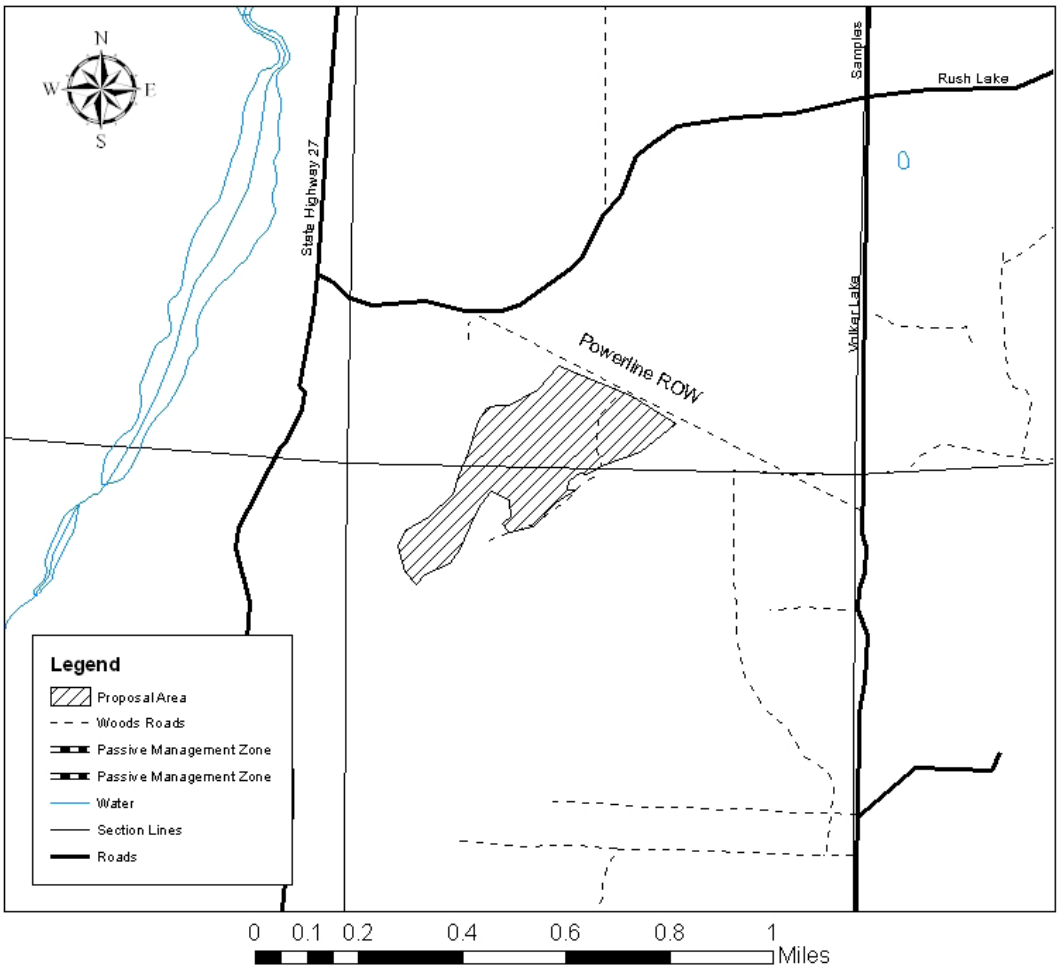
This area is near the corner of Rush Lake Rd. and Volker Rd. in the township of Highland. This stand was planted in 1963 and commercially thinned in 1995. This will be a marked thinning where all marked trees will be removed. The residual basal area goal for this harvest is between 100 and 120 sq. ft. Special concern should be taken around the edges due to the open conditions to the north and south of this stand.

Brule River State Forest

Powerline Oaks - Tract 15-09 - 53 acre Hardwoods Regeneration

T46N R10W Sec. 11, 14

Management Area 8 BRSF Master Plan: Forest Production Area



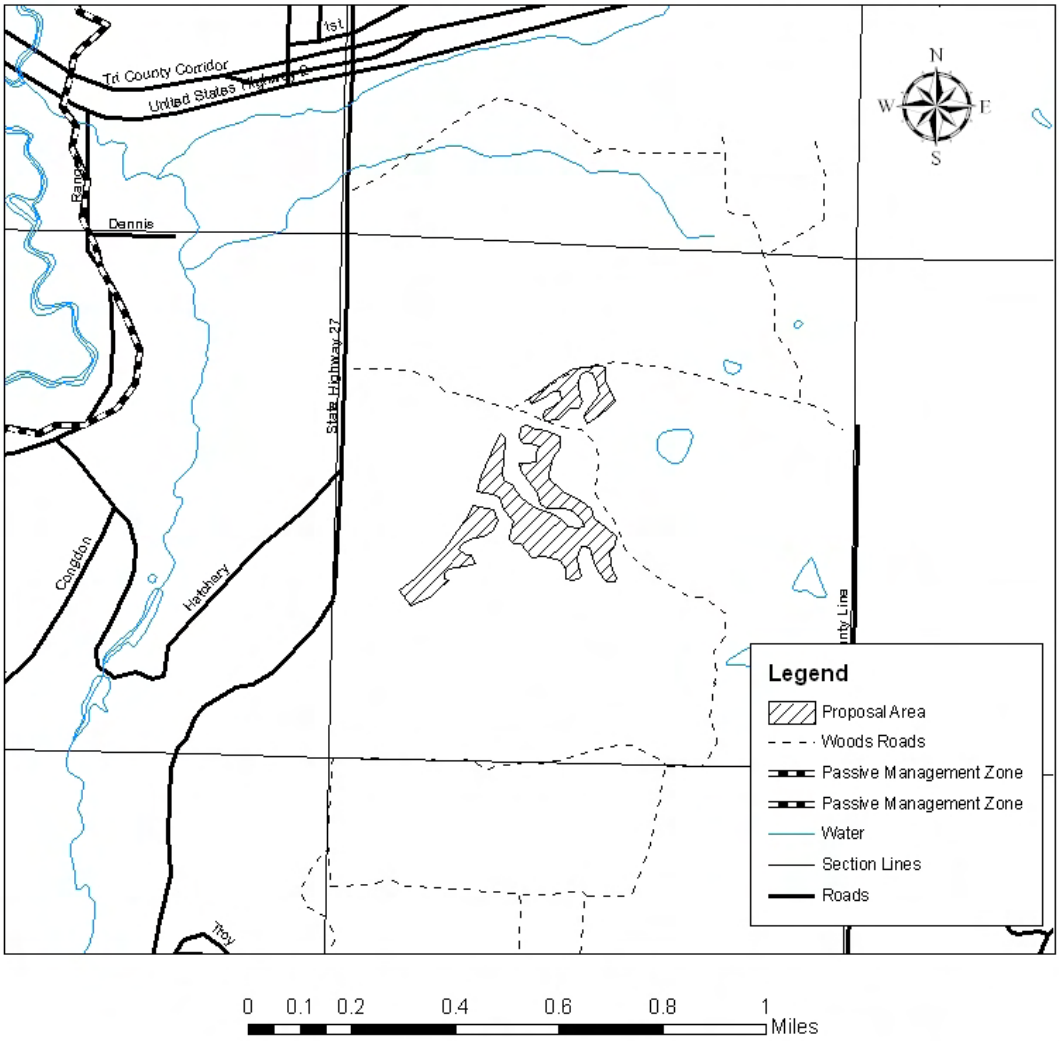
This area of hardwoods includes oaks, maple, birch, and aspen. Red, white, and jack pine are also inculded in this area but are not dominant in the composition of the site. A clear-cut was performed adjacently to the south to harvest oak, maple, and birch which was in declining health. Many of the trees in the proposal area are also showing sings of poor vigor and mortality. This proposal is for a regeneration harvest for oaks, maple, birch, and mature aspen. Regeneration of the site will be through stump sprouts and natural seeding. If there is insufficient regeneration this area may be converted to a dry pine cover type. Some of this area is already being harvested as firewood through BRSF firewood permits. Once the sale is established firewood cutting will not be allowed until harvest operations have ceased.

Brule River State Forest

Trailside Clean-up - Tract 16-09 - 34 acre Hardwoods Regeneration

T47N R10W Sec. 24

Management Area 8 BRSF Master Plan: Forest Production Area



This proposal is for a regeneration harvest of retention strips around patch clearcuts which had been established to regenerate hardwoods. A mixture of oak, maple, birch, and aspen saplings are now present within the clearcuts and the remaining trees can be removed from the surrounding areas. Some of the trees in the proposal are showing signs of poor health and vigor as well as some mortality. All harvest methods will be considered in order to regenerate hardwoods on this site.