

## Little bit of History....

Before European settlement, the woody vegetation present in the Turtle Mountain region was indicative of a forest system that was adapted to disturbances that maintained a vigorous forest system. These disturbances created new growth resulting in a diversity of age classes which helped reduce the spread of pests and diseases that typically attack overly mature stands. Early settlers logged the forest for fuel and building materials, which helped create small disturbance events.

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Over time, there has been a major decrease in the amount of wood harvested for timber or firewood and almost complete suppression of wildfire. The last major wildfire was in 1886 and burned almost the whole Turtle Mountain region. Lack of disturbance has resulted in a forest stand that is over mature and in decline.





Today, mechanical equipment can be used to mimic natural disturbances. A skid steer with a hydraulic saw (left) is used to clear dead or dying trees and shrub undergrowth leaving mature healthy trees (above.)

Following treatment (below) a flush of new aspen outcompetes the less desirable species. As the aspen mature, they will naturally thin themselves out.



The Mission of the NDSU-North Dakota Forest Service is to care for, protect, and improve forest and natural resources to enhance the quality of life for present and future generations.

Working in cooperation with rural landowners, urban residents, communities, rural fire districts, schools, and other governmental entities, NDFS provides technical assistance relating to the management of private forest lands, state forest lands, urban and community forests, tree planting and wildfire protection.

The agency also operates a forest tree nursery and manages its own state forest lands.

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Rising 800 feet above the surrounding drift prairie and characterized by hundreds of lakes and wetlands, the North Dakota portion of the Turtle Mountain plateau encompasses approximately 90,000 acres and supports a cover of deciduous forest - the largest concentration of native forest in the state. The region has been identified as a Priority Forest Area in



