

rooted in healthy forest management sapwood

fall 2015 Newsletter

Working Together for Forest Health Sappi Lake States Private Forestry Program



Services Offered

Sappi's Forestry Program provides a team of experienced and licensed forest professionals who can develop and execute a forest management plan to help you achieve your property ownership objectives. They can also answer questions for you – Why are the needles on my tree brown? What type of oak is this tree? How do I improve the health of my forest stand? How can I promote wildlife?

If you are looking to conduct a harvest, we are well versed in the regulatory process associated with harvesting forestland and work directly with some of the best logging contractors in the region.

Our program offers a variety of forestry services to help small woodlot owners. Whether you are seeking forest management advice, need to develop a forest plan or are looking to conduct a harvest, give us a call.

Landowner Goals

Landowner interests vary. The National Woodland Owners Survey conducted by the US Forest Service identified the following reasons for owning forest lands:

- Beauty/scenery
- Privacy
- Biodiversity
- Hunting/Wildlife habitat
- Recreation
- Timber production, including firewood
- Land investment

These goals need not be exclusive. A well-managed forest can provide food and cover for songbirds, deer, and other species while generating income and providing recreational opportunities.

Many forest landowners are concerned about the health of their forest. Our professional forestry team can provide you with information and advise you about forest management tools which can help ensure that your property remains healthy and productive for future generations.

What is Sapwood?

Sapwood is the outer layer of recently formed wood between the heartwood and the bark of a tree where active conduction of water occurs. Sapwood is also the name of Sappi North America's Forestry Program newsletter.

This newsletter will provide information on forest health, explore environmental benefits of sustainable forest management, and highlight case studies of the Sappi Lake States Private Forestry Program. We will also introduce some of the Sappi forest professionals dedicated to working with forest landowners.

**Welcome to the first
edition of [sapwood](#)!**



local community action

Chris Martland serves as Board Chair for the Minnesota Log-A-Load, helping to raise money to support the Gillette Children's Specialty Healthcare.

Brett Peterson serves on the Wisconsin and Michigan State Implementation Committees for the Sustainable Forestry Initiative (SFI).

Patrick Galdonick has the same role in the Minnesota SFI. SFI Implementation Committees promote responsible forestry practices and share best practices to improve forest management.

Craig Ferguson and Mark Halvorson serve on their local volunteer fire departments—Craig in Barnum, MN and Mark in Spooner, WI.

Meet the Sappi Lake States Forestry Team



From Left to Right: Keith Graham, Tom Cunningham, Ray Kirchmeyer, Patrick Galdonick, Mike Blomquist, Ross Korpela, Brett Peterson, Mark Halvorson, Chris Martland, and Damon Polus. (Craig Ferguson and Gary Erickson are not pictured)

Keith Graham has worked as a procurement forester for 15 years; and has been with Sappi for five of them. Outside of work he is plays soprano bugle in Marty's Goldenaires Senior Drum and Bugle Corps, performing parades/concerts each summer across Northern Wisconsin, Minnesota, and Michigan.

Tom Cunningham, a procurement forester with Sappi for 10 years, lives with two daughters, one son, his mother, a German shepherd, and four cats. When not helping landowners Tom is usually doing something with his kids, cooking, or working in the garden.

Ray Kirchmeyer, a life member of the Wisconsin Woodland Owners Association, held wood procurement positions in the hardwood sawmill industry for 30 years before joining Sappi seven years ago. Ray has seven children, 13 grandchildren, and three great grandchildren—with more on the way.

Patrick Galdonick worked for the Cloquet Mill when Sappi purchased it in 2002. Patrick has been procuring wood for the mill for 25 years.

Mike Blomquist has been with Sappi for eight years. He had been a log buyer and a consulting forester for approximately 30 years prior to that.

Ross Korpela, now the Minnesota Procurement Manager, has been at the Cloquet Mill since 1996, joining Sappi in 2002. When not working, you may find Ross fishing Musky tournaments or managing his own land for timber & wildlife.

Brett Peterson has been with Sappi for 12 years. He is responsible for open market wood purchases in Michigan and Wisconsin along with management of the stumpage program for the two states.

Mark Halvorson joined Sappi's forestry team seven years ago. Mark started his career as an Airfield Fire Fighter for the 148th Fighter Wing in Duluth, MN where he continues to serve. He enjoys hockey in the winter, and adventure races in the summer.

Chris Martland cruised timber in every state south of the Mason-Dixie line during the winter, and spent summers doing timber sale setup in northern Michigan prior to joining Sappi 12 years ago. In the summer Chris spends a lot of time on his bicycles and motorcycles.

Damon Polus was hired out of college (University of Wisconsin Stevens Point) by Sappi ten years ago. He is now a procurement forester in northeastern Minnesota.

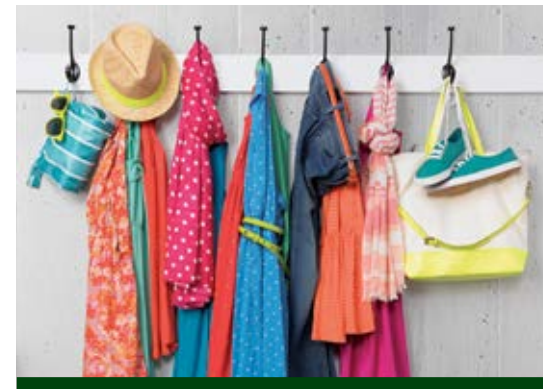
Craig Ferguson was hired by Sappi 11 years ago, and serves as a procurement forester in Carlton, Pine, and parts of Aitkin Counties in Minnesota. Craig likes to hunt, fish, and camp.

Gary Erickson has worked in wood procurement for Sappi's Cloquet Mill for seven years after spending 30 years working in the timber industry further west. When not working, you might find Gary fishing or hunting in Minnesota, Wyoming, or Alaska.

The shirt off... my back forty Sappi's Cloquet, MN Mill is Turning Wood Pulp into Rayon

Sappi invested over \$150 million in 2013 to modify the Cloquet Mill's wood yard and pulping operations to enable the mill to produce dissolving wood pulp (known as Specialised Cellulose), a unique product that serves as feedstock to textile and consumer goods.

Most of Sappi's Specialised Cellulose is used to make fashion and decorating textiles, primarily rayon, but dissolving wood pulp is also cast into a film to make cellophane wrap or used as a filler or binder in the production of; lipstick, cigarette filters, fat-free yogurt, and



washing powders.

Fabrics made from Specialised Cellulose have a soft, natural feel, excellent breathing properties, and are comfortable to wear. They also come from a renewable and sustainable resource—northern forests.

The Cloquet Mill uses mixed northern hardwoods: Aspen (approximately 65%) and Maple (35%) to produce rayon.

Go ahead, slip on that rayon shirt, and head to the woods to see where it came from.

Forest Management for Wildlife



Gary Erickson

Many private landowners are unsure how best to manage their land as wildlife habitat. Sappi's Forestry Program Team can help. "We educate landowners on forestry issues and the benefits of harvesting in terms of maintaining or attracting diverse wildlife," says Gary Erickson, regional manager of wood fiber and fuel procurement in Cloquet, Minnesota.

A key element for sustainable land management for wildlife is knowing the local and state wildlife regulations and working with administrators to protect sensitive species.

Sappi also works with wildlife conservation groups to spread the message that proper forest management can both preserve and improve wildlife habitat and make economic sense.

Many songbirds benefit from living in areas where forests are well-managed and trees are thoughtfully harvested. Grouse need diverse forests, including mature stands and recently cut areas.

The Golden-Winged Warbler is being considered for protection under the Endangered Species Act because our forests are getting older and less diverse. On the other hand, species like the Red-Shouldered Hawk require a mature riparian forest.

Sappi can help landowners develop a management plan that protects areas of mature trees, while opening up the canopy in other areas to improve the habitat for bird and animal species that prefer young growth. Sustainable management techniques save forests and allow them to flourish, while serving to protect and increase animal populations.

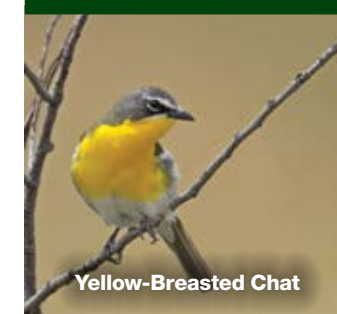
young forest wildlife songbirds



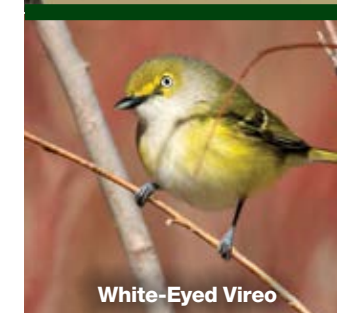
Golden-Winged Warbler



Blue-Winged Warbler



Yellow-Breasted Chat



White-Eyed Vireo

field guide: aspen

Aspen trees typically grow to a mature height of 40-60 feet. They are pioneer species and regenerate the best in large openings with a lot of sun.

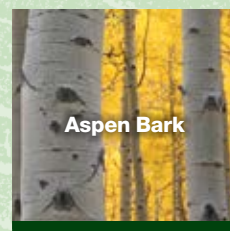


Quaking Aspen Leaf

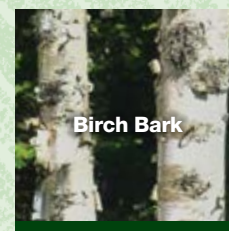


Saw Tooth Aspen Leaf

Lake States' Aspen is a mixture of Quaking Aspen, Big Tooth Aspen, and Balsam Poplar. Quaking Aspen got its name from the noise its leaves make when the wind blows. Big Tooth Aspen was named for its large serrated leaves.



Aspen Bark



Birch Bark

Aspen trees are most commonly mistaken for Birch trees. The easiest way to determine if the tree is an Aspen – look at the bark. Aspen bark is tight against the sapwood, while the Birch bark is loose and looks like it is flaking off the tree.

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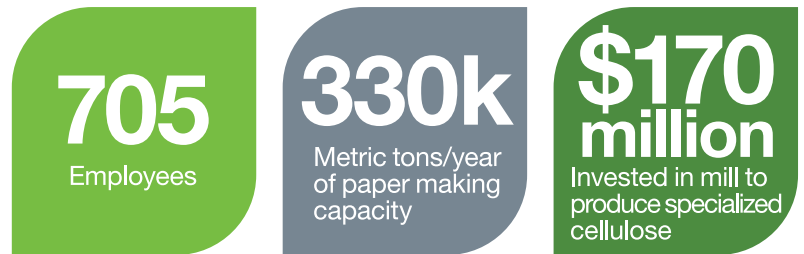
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Sappi's Cloquet, Minnesota Pulp & Paper Mill

Sappi's integrated pulp and paper mill in Cloquet, Minnesota was established on the banks of the St. Louis River in 1898. Thanks to recent investments the Cloquet pulp mill is the most modern mill operating in the United States. The mill can make either dissolving wood pulp (for the textile market) or bleached kraft pulp for papermaking. Today, Cloquet is home to the production of Sappi's premium publication papers.



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