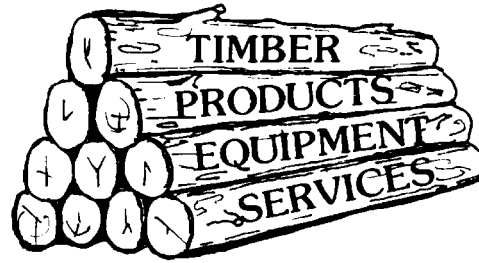




A Service to
Minnesota's
Forest Industry

The Market Place



Fall 2003

In This Issue: Our feature article is a brief report on the Governor's Task Force on Primary Forest Industry Competitiveness. Other articles include a look at Minnesota's pine and tamarack resources, a report on the first commercial hybrid poplar sale in the state, details of changing markets for hardwood pulp in southeastern Minnesota, and an article on the Job Opportunity Business Zone (JOBZ) Program, designed to give tax relief for new or expanding businesses in economically distressed areas. We conclude with our ever-popular ad listings. Hope you enjoy it!

Keith Jacobson

Governor's Task Force

The Advisory Task Force on the Competitiveness of Minnesota's Primary Forest Products Industry submitted their final report to the Governor on July 21. The full report can be viewed at: <http://files.dnr.state.mn.us/publications/forestry/govforestindustryreport2003.pdf>

As many of you are aware, in March 2003, Governor Pawlenty established a task force to assess the long-term competitiveness of Minnesota's primary forest products manufacturing sector. The nine-member task force included representatives from the Minnesota Departments of Employment and Economic Development and Natural Resources, primary forest products and logging industries, St. Louis County Land Department, and the University of Minnesota.

The Governor charged the task force to achieve two goals:

- 1) Describe the competitiveness of Minnesota as a site for primary forest-based industry

manufacturing, compared with a number of other states and nations; and

- 2) Identify potential policy and program changes to reduce barriers and constraints and to capitalize on opportunities for industry retention and expansion.

The task force identified 10 factors as most important to continued industry health. They were (listed in priority order):

- 1) Wood and fiber availability and price
- 2) Permitting and environmental review
- 3) Transportation
- 4) Energy costs
- 5) Wood and fiber quality (including third party certification)
- 6) Taxation
- 7) Labor and construction costs
- 8) Education and research
- 9) Forest land productivity
- 10) Technology

Findings

The task force found that for many important factors affecting

production cost, such as wood price, and time to complete environmental permitting and review processes, Minnesota was less competitive relative to our regional and global competition. There were a couple of bright spots: Our labor force is considered top shelf, and Minnesota tax rates were not considered, by most mill managers interviewed, to be an impediment to industry health relative to our competitors.

Task Force Recommendations

To address the areas that could be major barriers to continued health of the primary forest products sector within the state, the task force recommended the following (more specific recommendations can be seen in the report itself):

Increase wood and fiber availability, quality, and produc-

Continued on page 2

tion from public and private lands while continuing to protect the environment.

Previous studies (Generic Environmental Impact Statement) have concluded the state can support increased timber harvesting activity without compromising important ecological and amenity values provided by its forest resources, assuming adequate investments continue to be made in forest development that assures sustainability.

Improve the effectiveness of environmental review processes to make Minnesota more competitive while protecting the environment and providing public input. Streamlining processes to allow comprehensive but efficient permitting and review can reduce the time and cost to the requesting companies without reducing environmental protection.

Promote voluntary third-party certification of all federal, state, county and private forestlands in Minnesota. Third-party certification is a means of demonstrating that timber harvesting and forest management practices are being carried out in a manner that promotes the long-term ecological and economic sustainability of forest resources.

Improve the competitiveness of Minnesota's highway, rail, and intermodal transportation system. The state's primary forest products industry depends on a reliable and cost-competitive system for transporting raw materials and finished products.

Increase investments directed at improving state, county and private forest health and productivity. Additional investment in and emphasis on forest management will increase the supply of wood fiber used by the state's forest products industries while continuing to enhance other important forest resource values and uses such as wildlife habitat, tourism, water quality and aesthetics.

Create a business climate that encourages capital investment in Minnesota's forest products industry. The task force identified a number of ways the state can indicate its commitment to maintaining a competitive business climate for forest products manufacturing.

Create a follow-up team to work with the Governor's Office to formulate a comprehensive implementation strategy for task force recommendations. The task force strongly encourages the Governor to give priority attention to these recommendations and implement them as soon as possible.

The Future

Attention from the Governor's office has been welcome news. It has been a while since a Minnesota Governor spent much energy on forestry and forest industry. The real measure for success of the effort, however, will be follow-through on the recommendations. To that end, an implementation oversight group has been put

together to work on achieving task force goals. The oversight group consists of high level members from several state Agencies, including DNR and several other organizations.

Secondary Directory

The new, updated secondary manufacturers directory is finally complete and at the printer. Many thanks to the staff who have spent countless hours gathering and editing data, designing and improving our database, and editing the final directory. Thanks also to our partners in the US Forest Service, State & Private Forestry's "Rural Development Through Forestry" program, for the grant that allowed us to print and distribute the directory. The publication will be mailed free of charge to all companies that have chosen to be listed. You should have your copy by the beginning of October at the latest. Copies can be requested by contacting Sharon Schmitz by email at: sharon.schmitz@dnr.state.mn.us or by phone at: (651)-297-7298. Please do not request multiple copies, as the directories are expensive to print & mail and our budget is severely limited. You may feel free to make additional copies on your own, however.



HYBRID POPLAR SALE

Howard Mooney of our Detroit Lakes DNR office reports that the first commercial hybrid poplar harvest in the state took place this summer on a privately owned plantation near Ulen, in northwestern Minnesota. The site was harvested only 14 years after initial planting! The poplar averaged 3 to 4 sticks in height, and ranged from 5" to 10" Diameter at Breast Height (DBH). The 40 acre plantation was originally established in 1988 and 1989 under a 10 year Conservation Reserve Program (CRP) contract. It has been used as a research and trial site for the U of M (University of Minnesota) and AURI (Agriculture Utilization Research Institute) at Crookston.

Hybrid poplar is a fast-growing cottonwood hybrid, most often established on "marginal" agricultural lands. Three years of intensive culture is normally required in order to establish a good stand. There are currently around 20,000 acres of hybrid poplar plantation established in Minnesota, with International Paper owning about 13,000 acres and non-industrial landowners owning close to 7,000. Most of the plantations are in west-central and northwestern Minnesota.

Price for the stumpage from this first sale was \$20/cord and total sale volume was 278 cords, with an average clearcut harvested volume of 20 cords per acre. Average yield for the thinned portion was 8.5 cords/ acre. Approximately 10 acres were clearcut and 11 acres were row thinned. Although the trees were smaller than our native aspen, logging operability benefits were having 500 trees per acre on a level field with summer access. Knowledge and improvement of hybrid poplar genetics and culture has made big strides since the first "pioneering" plantations were established, so future growers can look forward to improved yields and faster rotation time. The wood from this sale will be utilized for OSB (Oriented Strand Board) at the Potlatch mill in Bemidji.

The first Minnesota commercial hybrid poplar harvest is a welcome development. Although hybrid poplar establishment on non-industrial private lands has been limited so far (it is no longer allowed as a cover option on CRP land, due mostly to wildlife habitat concerns) there is a potential for this fast growing crop to play a role in the timber supply picture in Minnesota.

Expansion of hybrid poplar's role in Minnesota's timber supply will require continued and expanded public and industry investment and support for research and also for technical and financial assistance for establishment on private lands.



Left to right: Lynn Stumbo, landowner, Scott Erickson and Wendell Johnson, U of M



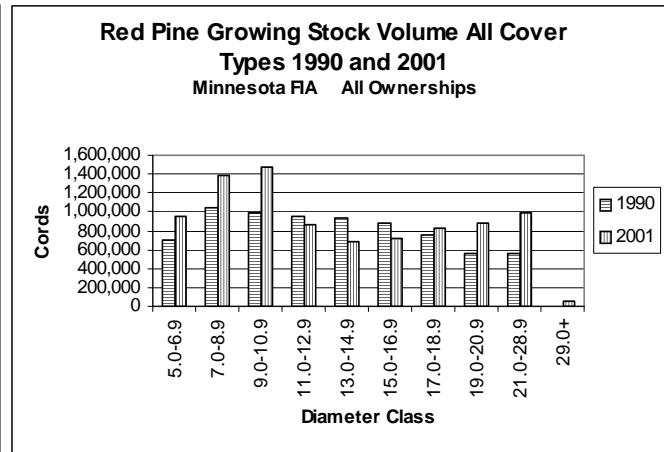
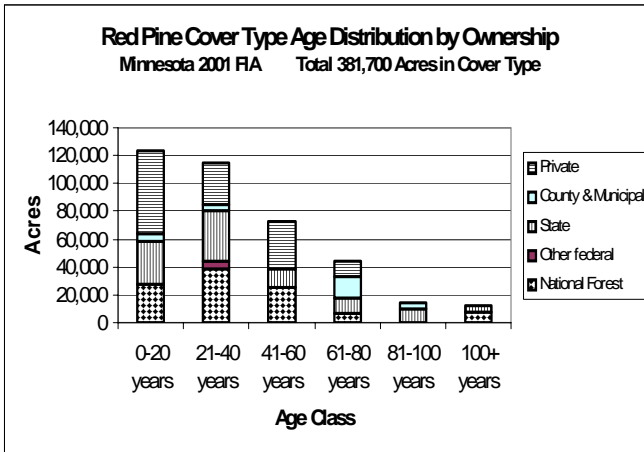
Hahn Harvester processing poplar trees. This machine made the tree limbing feasible.

Minnesota's Forest Resources Overview

We will continue our look at Minnesota's ever-changing forest resources. Last issue, we looked at the aspen and birch resource. Now, we will take a brief look at pine and tamarack resources. Again, people need to realize that we are using the FIA inventory data currently available. Two more years of data will be available next year, so some of these numbers will move a bit as the additional data comes online.

Red Pine

The red pine cover type is a relatively young resource. Much of it exists in plantation form. It is owned largely by the federal government and private landowners, with the state also a fairly significant owner.

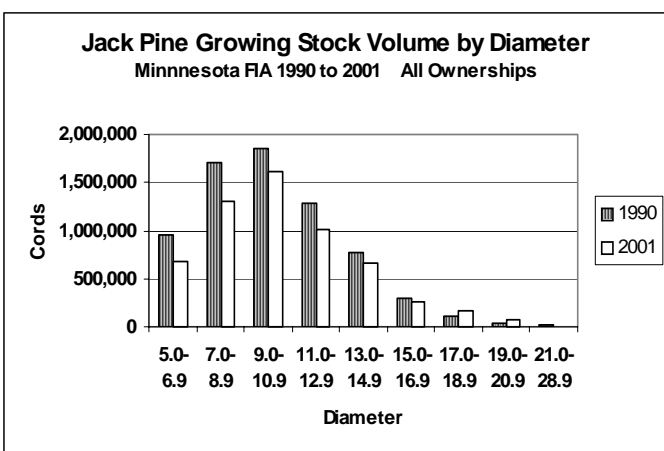
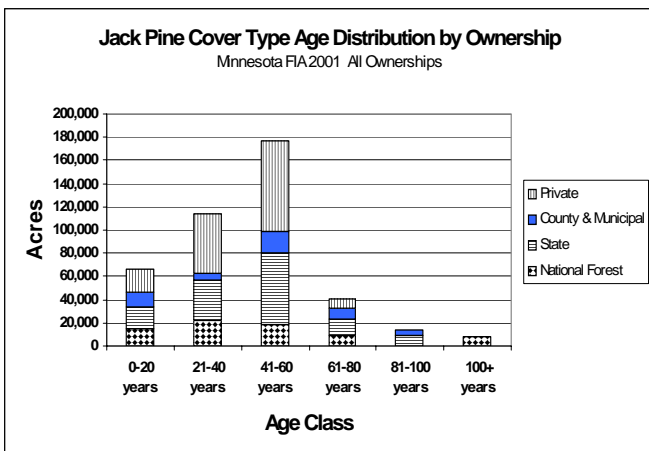


Total growing stock volume has increased by approximately 19% since 1990. Much of the resource is contained in smaller diameter classes, in plantations that need thinning.

Red pine total harvest has been relatively stable over the past ten years. Most red pine use in Minnesota is by sawmills.

Jack Pine

The jack pine cover type is a relatively old resource. This causes all kinds of forest health issues. Old jack pine stands can have severe rot and insect and disease problems. Jack pine budworm is currently causing heavy mortality on many old jack pine stands. Jack pine is owned largely by private landowners and by the state. The federal government and counties also own a significant portion of the resource.



Total growing stock volume has decreased by around 18% since 1990.

Jack pine harvest has seen an uptick in the last few years. This is likely to continue for a few more years, as landowners try to salvage and regenerate old jack pine stands.

The Future of Our Red and Jack Pine Resources

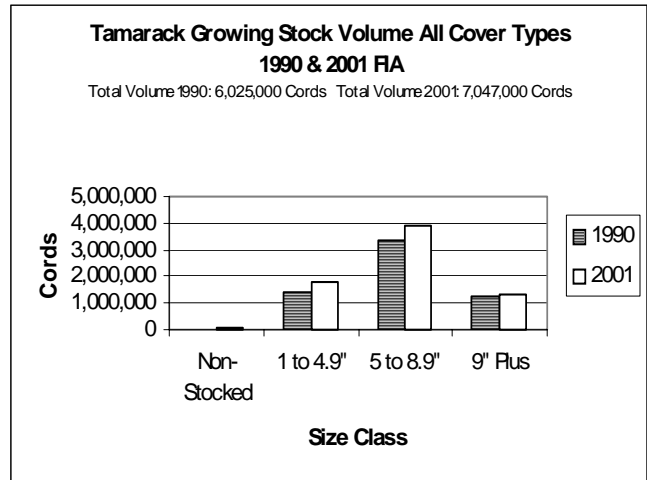
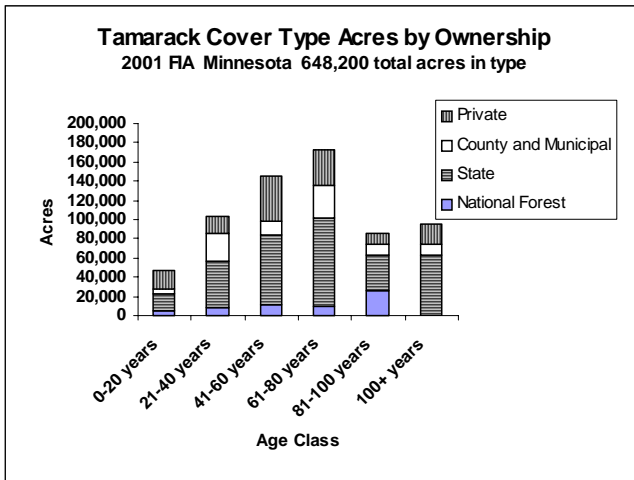
What does the changing pine resource mean for forestry and the wood business?

Jack pine availability is likely to begin dropping after the next few years, and then is likely to remain at levels below the current annual harvest for the foreseeable future.

Harvest of red pine is likely to go up in the next few years and then continue higher. This wood will be needed to fill in for what will become reduced jack pine supply. In forest management, this means more red pine thinning, less jack pine clearcut. This will raise challenges. Logging equipment and harvest techniques will need to increasingly be geared towards multiple-entry thinnings.

Tamarack

The tamarack cover type is made up of a mixture of species, including tamarack of course, and also fairly significant volumes of black spruce and white cedar. The tamarack cover type has most of its acreage in medium to old age classes. The state of Minnesota owns **over half** of total tamarack cover type acreage in the state.



2001 FIA data shows total growing stock volume of tamarack rising since 1990. Most volume, by far, is in the medium to small size classes. Tamarack harvest has been very low, with a recent upward trend.

Tamarack Markets

Sawmills: According to the DNR sawmill database, there are 14 sawmills that use a total of about 880 MBF (equivalent to about 1800 cords) annually in Minnesota. Much of this goes into pallets, but some mills make very nice paneling and other products from it.

Pulp Mills: Boise and SAPPI currently use some tamarack, and have plans to continue. The 3 Potlatch OSB mills have historically used no tamarack, but they have tested it in their board plants with acceptable results. Current plans call for them to begin purchasing significant amounts of tamarack this winter and beyond.

There are two paper mills in Wisconsin that buy tamarack from Minnesota. They have utilized the vast majority of tamarack harvested in Minnesota for the last several years. It will remain to be seen whether the Wisconsin mills continue using Minnesota tamarack as in-state mills, with their shorter haul distances, begin to utilize more.

Bottom line: Markets for tamarack should continue to improve. This is good news for forest managers!

JOBZ Minnesota – Job Opportunity Building Zones

Our friends at Department of Employment and Economic Development have a new program to stimulate capital investment in Minnesota through exemption from some state & local taxes called the Job Opportunity Building Zone (JOBZ) Program. They were good enough to send us this program information, which is of potential interest to new businesses, or to existing businesses with plans to expand in the next few years.

Program Goal: To stimulate economic development activity in distressed areas of Minnesota by providing local and state tax exemptions to startup businesses, or to existing businesses that are planning to expand.

How Does It Work?: If you have a site on your property or elsewhere on which you intend to expand your business on at some future point, contact a local unit of government (township, city or county) and they can apply to a regional economic development agency to have your site included in a regional JOB Zone. Business sites qualified as subzones within a regional JOB Zone, can be exempted for up to twelve years from the following state and local taxes:

Corporate franchise tax; income tax for operators or investors; sales tax on goods and services used in the zone if the goods and services were purchased during the duration of the zone; property tax on commercial and industrial improvements but not on land; wind energy production tax; and employment tax credit for high paying jobs. **Exemptions apply only to new activity in a new or previously unused facility, not to an existing operation.**

Exemption does not apply to the following property: Property subject to a general obligation bond levy; Property subject to a school operating referenda approved by the voters before designation of the JOBZ or APFZ; Land only (improvements to land are exempt); Property where neither the owner or lessee is a qualified business; Property within the 7-county metropolitan area.

What Businesses Are Eligible?: Businesses included in the JOB Zone at the time of designation; Business startups in the JOB Zone; Business relocations from other states; Business relocations within Minnesota if the business increases employment by 20% within the first year or makes a capital investment equal to 10% of gross revenues. **Property within the 7-county metropolitan area is not eligible for the program.**

Who Do I Contact With Questions?: Since the application to DEED is made by a local unit of government through a regional economic development agency, you should talk to your city, township or county first about including your site in JOBZ. **Applications by the local units have to be in by October 15, so there is not much time left.**

If you have further questions, you can call your regional DEED representative:

NE MN...Jim Wroblewski, 218-733-2100

NW MN.....Kari Howe, 218-755-4478

West Central MN..Helen Friedlieb, 651-297-2872

East Central MN..Steve Sussman, 651-297-1164

South Central & SW MN..Connie Ireland, 507-389-1896

SE MN..Dentley Haugesag, 651-297-1174

Deadlines:

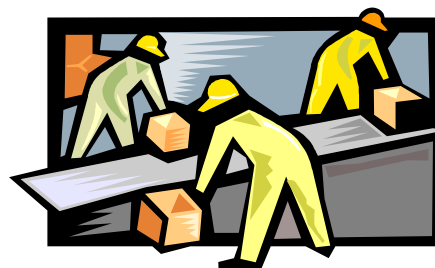
August 1, 2003 - Application/Content Requirements Published

October 15, 2003 - Applications Due

December 31, 2003 - Zones Designated

January 1, 2004 - Zone Designation in Effect

Department of Employment and Economic Development
500 Metro Square, 121 7th Place East • St. Paul, MN 55101-2146 • (651) 297-1291 or (800) 657-3858 • www.dted.state.mn.us



Boxelder - A Most Useful Tree???

Lance Sorensen, our DNR Utilization & Marketing Forester for southern Minnesota, sent us the following article on emerging markets for boxelder:

Boxelder is a common tree in parts of Minnesota, but it has historically been known to many in the “wood business” as little more than a nuisance. It has been used a bit to make pallets and crates, but it is most often left uncut on harvest sites, where it can rapidly colonize a cutover area due to its aggressive seed production and rapid juvenile growth.

This situation may be changing somewhat in southeastern Minnesota due to modifications to the Domtar mill in Wisconsin Rapids that allow the use of boxelder, elm and other hardwoods in making pulp for paper (if you have a child or grandchild that has read the popular books in the “Harry Potter” series, then you have purchased a finished boxelder pulp product. Domtar’s Wisconsin mills are producing the paper that these books are printed on).

Foresters have been attempting to capitalize on this new management opportunity by offering some formerly “junk” hardwood species for commercial harvest. Dave Svien, DNR forester at Lewiston and Jon Cole, DNR manager of the Whitewater Wildlife Management Area (WWMA) near Winona recently put up for sale 100 acres of bottomland hardwoods, containing approximately 1400 cords of wood. Their goal is to convert the site from boxelder to longer lived species such as oak, ash and walnut in order to improve diversity, wildlife habitat and eventual timber value.

No one is going to reap rich financial rewards on the sale of boxelder, as the stumpage price has typically been under 1 dollar per cord. The operating margin for this type of logging is slim, so small fluctuations in the mill delivered price can determine whether the harvest operation is profitable or not.

From a resource management point of view, however, the boxelder harvest is a winning decision. The wood is put to good use, and the landowner can more economically convert the area to a more diverse stand of species, well suited to the site. In this way, wildlife habitat and long term timber value can often be drastically improved.

Landowners need to keep in mind that if they were planning to convert the site to another species without harvest, their site preparation clearing cost alone would be well over \$100 per acre.

If all goes well, it now appears possible that even foresters and loggers can learn to appreciate boxelder!



Loading boxelder directly onto the forwarder



Forest Products Wanted

- WANTED Forest Products – 6/4 low grade hardwood lumber. Contact: Bob Montgomery; Phone: (610) 678-5703; Fax: (610) 678-5955; Email: ramco@juno.com
- WANTED (1) Hardwood cants 4x4 & 4x6-8' lengths. (2) Softwood cants 4x4 & 4x6 – 7', 8' or 10'. (3) Cutstock, 1.25x3.5x48" notched hardwood stringers, .625x4x40" softwood & .625x6x40" softwood deck boards. Contact: Len's Wood Products 22726 890th Ave, Oakland, MN; Phone: (507) 433-7807; Email: lenswood@smig.net.
- WANTED 3x3 & 3x4 rough unseasoned aspen, pine & spruce in 10', 12' & 14' lengths. Contact: Scot Talbot, Talbot Lumber, PO Box 700, Osseo, MN 55369; Phone: (763) 315-3131; Fax: (763) 315-3140; Email: stalbot@talbotlumber.com.



Forest Products For Sale

- FOR SALE (1) Northern white cedar components 3x3, 4x4, 2x6. (2) Northern white cedar full & half logs 6", 8" & 10" stack height. Contact: Clayton Huddleston, Indus Industrees, Inc, 2195 Co Rd 83W, Birchdale, MN 56629; Phone (218) 634-2270; Fax: (218) 634-2270; Email: industrees@wikel.com.
- FOR SALE (1) Northern white cedar house logs peeled & seasoned or fresh cut. All winter cut wood. (2) Newal posts, rails, inside & outside corner, benches, bars & fireplace mantles, character pieces. Contact Jim Parson, Parson Log, Box 412, Big Falls, MN 56627; Phone: (218) 276-2321; Email: jarson@citlink.net.
- FOR SALE 15,000 Colorado spruce trees, 10'-15' sheared 5 times. NW Hennepin County easy access. Contact: Jim Talbot, Pine Point Wood Products . Inc, PO Box 1900, Dayton, MN 55327; Phone: (763) 428-4301.
- FOR SALE Spalted hard maple boards, 5/4 air dried 2 years, 2,000 bd ft Contact: Jim Heaser, RR1, Box 231, Altura, MN 55910, Phone: (507) 534-2023; Fax: (763) 428-4304; Email: jimheaser@att.net
- FOR SALE (1) Fraser & balsam fir Christmas trees 8'-10'. (2) 100 Blue spruce "shiners" 5-'6' all sheared. Contact: Robert Gabriel, Gabriel Tree Farms, W2010 2 Irvin Coolee Rd, Whitehall, WI 54773; Phone (715) 538-2579/985-3342; Email: gabriel@trivest.net.
- FOR SALE Plywood, OSB, particleboard and/or MDF cut to size or shape according to your specification. Plywood blocks for pallets also available . Contact: Joe Campbell, Steel City Lumber Co, Box 36189, Birmingham, AL 35236; Phone: (800) 733-1907; Fax: (205) 733-1709; Email: joecampbel@aol.com.

- FOR SALE Red pine house logs to be cut this fall/winter. (2) Pine ties, cants, lumber rough & surfaced. Contact: Brad Maus, Maus Sales, Inc., 1163 Co Rd 6 NW, Baudette, MN 56623; Phone: (218) 634-2864; Fax: (218) 634-1600; Email: mausales@wiktel.com.
- FOR SALE 65 cords of 16" length dry mixed hardwood firewood. Contact: Roger Lakeberg, 2221 330 Ave, Mora, MN 55051; Phone (320) 679-2249; Email: rola@ncis.com.
- FOR SALE (1) Northern white cedar products. Log furniture material, round & sawn log home timbers, lumber, paneling, fence posts, wood chips, bark & sawdust – any quantity. Contact: Page & Hill Forest Products, Inc, 7556 Co Rd 31, Big Falls, MN 56627; Phone: (218) 276-2251; Fax: (218) 276-2352; Email: pagenhill@citlink.net.
- FOR SALE (1) Timber frame homes, trusses, or floor systems, built from re-sawn salvaged Douglas fir beams. (2) Salvaged Douglas fir or southern yellow pine timbers custom-sawed. (3) Douglas fir millwork, baseboards, etc. Contact: Ken Peter, Timber Ridge Custom Woodworking, 3703 Hautala Rd, Cloquet, MN 55720; Phone: (218) 879-6656; Email: kimbah4@msn.com.

Equipment For Sale

- FOR SALE (1) 2001 Fabtek FT133 harvester processor w/series 2000 4 roller head. (2) 2001 JD 648G III dual arch. (3) 1999 J D 648G II. (4) 1997 JD 648G. (5) 1997 JD 548G. (6) 1995 JD 548E. (7) 1990 JD 640D cable. (8) 1990 TJ 450C grapple. (9) 1985 TJ 230 cable. (10) 1998 Hydra-Ax 511EX w/ 20" Koehring saw head. (11) 1990 Bell w/30" bar saw head. (12) 1998 Prentice 180E w/buck saw. (13) 1997 Prentice 310E w/CTR delimeter. (14) 1989 Ford 9000 w/01 Prentice 120E. (15) Helle 2 head block auto modular hydraulic mill. (16) HMC debarker. (17) Morbark 48" chip-pac. Contact: Weber Forest Machinery; Phone: (615) 373-8809.
- FOR SALE 1993 Linkbelt 1600 CII felling machine, 3700 hrs, track type, 18,000 lbs, new Denis head 25" bar. Good for thinning & blow down \$35,000. Contact: Dan Haugen, 11472 Fairfield Rd, Minnetonka, MN 55305; Phone: (612) 868-9934; Fax: (952) 543-8465; Email: dkdmhaugen@mn.rr.com.
- FOR SALE (1) Used parts for skidders, small crawlers & excavators. Parts for CAT, JD, IHC, AC, MH, Athey Bantam/Koehring, Bobcat, Case, Clark, TJ, Drott, Franklin, Hein-Warner, Insley, Leiberr, Michigan, Mitsubishi, New Holland, New Process, Pettibone, Taylor, TF & Trojan. (2) Engines, transmissions & tires. Contact: Dick, Kevin or Rodney, Schaefer Enterprises of Wolf Lake, Inc., PO Box 136, 4535 State Rt 3 N, Wolf Lake, IL 62998; Phone: (800) 626-6046; Phone: (618) 833-5498; Fax: (618) 833-7765; Email: parts@sewlparts.com; Website: www.sewlparts.com.
- FOR SALE All steel circle sawmill 52" I.T. blade, ball or roller bearing throughout 3 head blocks. 6 71 Detroit Power unit, V-belt drive. BO. Contact: Thomas Sandeen, 79441 465 St, Hector, MN 55342; Phone: (320) 848-2820.
- FOR SALE (1) Large 4 sided old woods planer 4"x12" capacity. Sell with all ductworks, but not 60 hp power unit, \$4,000 or BO. (2) 420 JD collector farm tractor, good condition, \$4,000 or BO. Contact: Jack Thompson, Thompson Lumber, 9810 S Thompson Rd, Foxboro, WI, 54836; Phone: (715) 399-2783.
- FOR SALE One set new log or lumber forks, 6000 lb. w/2" mounting boss, could retro-fit skid loader or front end loader, \$500 or BO. Contact: Wallace Bartel, Bartel Enterprises, 9895 420th St, Harris, MN 55032; Phone: (651) 674-5892; Fax: (651) 674-5892; Email: wbartent@yahoo.com.

- FOR SALE Used pallet notcher with power. Contact: Scott Talbot, Talbot Lumber Co, PO Box 700, Osseo, MN 55369; Phone: (703) 315-3131; Fax: (763) 315-3140; Email: Stalbot@talbotlumber.com
- FOR SALE Steel & plastic banding, tools, carts, parts for all brands of banding equipment, lease equipment available. Stretch wrap, shrink film, tapes, poly cord. Contact: Industrial/Fairway Supply, St. Cloud, MN, Fargo, ND, Mpls, MN Chicago, IL; Phone: (800) 347-0061; Fax: (877) 347-0065; Web: www.indfairwaysupply.com
- FOR SALE 1972 Ford LN900 with Prentice loader. Contact: Levi Miller, Miller Hardwoods, 8760 W 1350 N, Nappanee, IN 46550; Phone: (574) 305-0150; Email: millerhardwoods@surfpure.com.
- FOR SALE Newman 200 knife grinder – excellent condition, \$5500. Contact: Bradley O. Maus, Maus Sales Inc, 1163 Co. Rd. 6 NW, Baudette, MN 56623; Phone: (218) 634-2864; Fax: (218) 634-1600; Email: maus.sales@wiktel.com.
- FOR SALE (1) Saws made to order. (2) Complete line of saw hammering supplies. (3) Atlas hand filers, grinders, spider gauges, stationary grinders, saw workers & hammering benches (4) Atlas saw maintenance tools. Contact: Casey Creamer, Seneca Saw Works, 3843 Main St, Burdett, NY 14818; Phone: (607) 546-5887; Email: casey@senecasaw.com.
- FOR SALE (1) 1997 322 BLC caterpillar w/4300 hrs, equipped w/quick attach 1 ½ cubic yd. excavating bucket, 2 ½ cubic yd ditching bucket w/wrist twist Promac 52 brusher and 5600 Quadco processor head. (2) 1995 1210 TJ forwarder 8 wheel drive, \$107,000. Contact: Dennis Kupiak, Dennis Kupiak Excavating Ltd, Box 40, Hadashville, MB. ROE OXO; Phone: (204) 426-5209, Fax: (204) 426-5209; Cell: (204) 326-7803.
- FOR SALE Belsaw M14 sawmill 40” IP blade PTO driven. Contact Gene Kiechen, 70785 500th St, Hector, MN 55342; Phone: (507) 426-7890.
- FOR SALE (1) 1996 Valley Machine Works portable junior edger, 24 HP Onan Performer gas engine. Pictures on Valley’s website. (2) Stationary horizontal bandsaw sawmill, 28” cutting width, 25’ logbed, 25” blade drive wheels, 30 hp electric sawhead, hydraulic raise/lower, drive & bed functions. Contact: Blooming Valley Lumber; Phone: (763) 717-9565; Website: www.valleymachine.com.
- FOR SALE Firewood business (26 years old) western suburbs of Minneapolis. Contact: Myron Moland; Phone: (652) 473-0570 (leave message); Email: birchman100@aol.com
- FOR SALE CKM M314 14” planer/moulder, extra heads & knives, good condition – 5years old. Contact: Chuck Lundin, Lundin’s Lumber, 2984 Hagen Rd, Duluth, MN 55804; Phone/Fax: (218) 525-4020.
- FOR SALE (1) Cleereman 2 block carriage w/40’ track, 3 bearing husk w/150hp motor & starter, off bearer belt & insulated cab. (2) Tyrone carriage feed w/75hp motor & starter. (3) HMC RH debarker w/cab, 18’ log deck, 22’ Patz bark conveyor, 30”x40’ truck loading conveyor. (3) Mellott #5 log turner w 10hp hydraulic power package. (4) Mellott 43’ dual purpose transfer w/slab kick off, 10’ chain transfer to edger. (5) Irvington Moore 10’ – 6 strand green chain. (6) Mellott 70’ vibrating conveyor sawdust drop out & 5’ fiberglass section w/metal detector. Contact: Terry Gross, JMB Pallet, PO Box 486, 11440 Johnson Ave, Plover, WI 54467; Phone (715) 344-5015/421-5950.

- FOR SALE (1) Crosby top arbor bull edger, 8"x22", 150hp arbor, 3hp feed, size 24U, \$15,000. (2) Beloit chipper 48", \$4,000. (3) Precision drop feed chipper 36", mounted on stand to run horizontal, \$3,000. (4) Morbark Constellation debarker w/cab & controls, 16' infeed, 16' outfeed w/60hp motor \$8000 w/motor, \$6000 w/out motor. Contact: Tim Walters, Walters Brothers Lumber Marketing Inc, 10489 W St Hwy 27/70, Roudasson, WI 54867; Phone: (715) 595-4896; Fax: (715) 945-2878.
- FOR SALE (1) One 2 head block carriage all steel with ball bearings or set shaft. (2) One cable drum. (3) Two arbors heavy duty w/ball bearings. (4) Two 4" railroad rails for track 30' long. (5) One flat belt 8" wide, 60' endless. (6) One clutch for 4 cyl Waukeshaw. (7) Miscellaneous shafts and chains & various other parts. Contact: Howard E. Davis, Howard's Saw Service, 44710 Co Rd 14, Big Fork, MN 56628; Phone: (218) 743-3415.
- FOR SALE Equipment & supplies for Christmas tree production & sales. Tree display banners, shearing equipment, netting, colorant, needle stick & chemicals. Contact: Don Klande, Klande's Christmas Trees, 13699 Co Rd 72, Swan River, MN 55784; Phone: (218) 492-4338.
- FOR SALE (1) Morbark model 640 debarker. (2) Morbark Portapac sawmill. (3) Fastline log merchandizer. (4) Bronco pallet stackers. (5) Lauderdale Hamilton super chop pop up trimmer. (6) Newman chamfering machine. (7) Cornell double arbor resaw w/cut up system. (8) Cornell remote trim saw. (9) Cornell 42" blower w/30 hp drive. (10) Cornell cant sizer. (11) Pendu diesel powered M5000 gangsaw w/log cabin tooling. (12) Pendu double arbor resaw w/cut up system. (13) Brewer gang saws. (14) Wilson 4 strand unscrambler w/Corley package deck. (15) Arasmith whole pallet grinder. (16) Woodpower T-60 grinder (17) Morbark waste recycler. (18) Williams C-32 No-Nife hog. (19) Hempstead low speed whole pallet grinder. (20) Waechter 4 head band resaw. (21) Keystone stake pointers. Contact: Bob Montgomery, R A Montgomery & Co; Phone:(610) 678-5703; Fax: (610) 678-5966; Email: ramco@juno.com.
- FOR SALE (1) Jackson scragg mill (2) Hydraulic sawmill carriages – Mudata networks, tower dogs, cant turndowns, many unique features. Contact: Jackson Lumber Harvester Co, Inc, 830 N State Rd 37, Mondovi, WI 54755; Phone: (715) 926-3816; Fax: (715) 926-4545; Email:info@jacksonlbrharvester.com Web: www.jacksonlbrharvester.com.
- FOR SALE (1) Slightly used Fas Trac model #307 left hand band saw blade sharpener, \$4,500, sharpens 2-1/2" to 7" wide bands for blades 20' length & under. (2) Used inserted tooth saw blades. (3) Authorized dealer for: Simonds, Pacific/Moe, Iks, Piper, Euro Corley, Helle, Hanchett, Cornell, Meadows/Miner Edger, Frickco, Oleson, Etc: Contact: Harry R. Schell Sawmill Sales & Supplies, Inc, 601 W Park St, Blue River, WI 53518; Phone: (800) 462-5807; Fax: (608) 537-2032.
- FOR SALE Complete wood or biomass heating systems including fuel preparation, storage bins, material handling & combustion. Size of units varies from small hand fired heaters to make-up air units to large steam powered electric generating systems. Energy output can be in the form of warm air, hot water, steam, electricity & air conditioning. Contact: Bob White, Robert White Industries, Inc, 18520 22nd Ave N, Plymouth, MN 55447; Phone: (763) 797-0822; Fax (763) 797-0823; Email: bobwhiterwi@earthlink.net.
- FOR SALE (1) Bark processing plant conveyor & hopper infeed, first big roller screen, Patz chain conveyor under screen, Patz inclined chain conveyor, second roller screen w/conveyor transfer, 40' Patz inclined chain conveyor, Nugget conveyor, all required electric motors, starters, switches, wiring, etc. (2) Dixon-line of manufactured sawmill & logging

equipment. (3) Three different sizes of circular sawmills, (mills & edgers made either stationary or portable). (4) Two sizes of edgers. (5) Log turners, belt & chain conveyors, rollcases, log turners, hydra-dogs, pallet notchers, slab edgers, debarkers, multiple saw trimers, custom built decks, small & medium hydraulic loaders, trailers. (6) Cornell – blowers, edgers, trimmers, notchers, slabsaws, log cleaners, unscrambler. (7) Decks. (8) Valby – wood chippers. (9) Farmi- skidding winches. (10) Hitachi power tools & chains. (11) Patz conveyors & belts. (12) Lacey-Harmer laser lights. (13) Danco rip saws. (14) Webster vibrating conveyors (15) Jonsered chainsaws. Contact: Dixon-Rusch Co, LLC, 400 Rusch Rd, Antigo, WI 54409; Phone: (715) 627-4361.

FOR SALE (1) Farmi-skidding winches for 3 point hitch tractors, various models for 17-40 hp & 60-80 hp. (2) Forwarding log loading trailers. (3) Wood chippers (4) Carbide saw chain. Contact: Dave, Carlton Saw & Machine, 1592 Olsonville Rd, Carlton, MN 55718; Phone: (218) 384-3521; Fax: (218) 384-3187.

FOR SALE (1) Decks: 8' x 16' x 11' four strand w/drive, \$2,500; 6' x 12' roll case w/drive, \$1,500; 6' x 20' mill drive, \$2,000; 2' x 16' pineapple feed, \$2,000; 8' x 7' three strand w/drive \$2,000. (2) Trimmers; Irventon Moore 18' right hand, \$8,500; Homco Burnt, \$1,500; Cornell 5 saw; Cornell 3 saw; (3) Gang saws: Cornell double arbor; Crosby combination gang rip, \$8,500; (4) Debarker: Combo infeed/outfeed, \$5,000; 632 Morbark; 636 Morbark. (5) Miscellaneous: Hydrostatic drive 40 horse, \$3,000; 1920 CAT loader, \$17,000; Super 16 petty bone, \$15,000. (6) Belt Conveyors: 30" x 12' SSI, 110 volt, \$1,500; Cornell 10" x 20' no drive, \$1,000; 3' x 12' w/drive, \$2,000; 12" x 11' w/drive \$1,500; (7) Knife sharpeners: Yates 275, \$1,500; Dependable, \$2,500. (8) Blowers: 30" no motors, \$1,000; 48" no motors, \$2,500; 56" no motors, \$2,500. (9) Stackers: HMC hydraulic, \$7,500; Stacker infeed/outfeed, \$8,500; Board stacker 2 bays, \$1,000. (10) Band saws; 1990 Baker 4 head, \$20,000; 1996 Baker single head, \$9,000; 1997 Miller double return, \$12,000. (11) Chippers: 1996 58" Percision chip pack, \$20,000; 1990 48" Molbark chip pack, \$14,000; 1989 48" Molbark chip pack, \$12,000. (12) Edgers: 1987 4" Salem Taylor, \$15,000; 1987 4" Cook w/Taylor, \$15,000; Corinth two saw, \$3,500; Corley two saw, \$7,500; Brewer single arbor w/scissor, \$20,000; Pendu gang 8000 double, \$12,000; Slab edger, \$3,500. (13) Vibratory conveyors: 8', \$1,500; 2 1/2' x 10', \$2,000; Percision 20', \$2,500. (14) Trim saws: Cornell 5 head, \$18,000; HMC 3 head, \$10,000; Cornell single chop, \$4,500; Whirlwind, \$1,500. (15) Hogs: Williams, \$8,000; Jeffrey 75 hm, \$6,000. (16) Sawmills: Jackson 2 head block hydraulic, \$8,000; Corley 3 head block hydraulic, log deck & turner, \$20,000; Matter 3 head block hydraulic, \$6,000. (17) Scraggs: Morgan Electric sharp chain w/log deck, \$15,000. Contact: LeeRay or Luke Horton, L & L Sales, 8948 Market Street, Sturgeon Lake, MN 55783; Phone: (218) 372-4232.

FOR SALE (1) Cable Skidders: 1969, C4 TF, P.O.R.; 1970 440A JD, \$10,500. (2) Grapple Skidders: 1993 518C Cat, new trans, \$40,000; 1989 170XL Franklin, 6 cyl Cummins, \$16,000; 1991 450 B TJ, Cummings eng, \$18,000; 1998 460 TJ, dual function, \$52,000; 1978 540B JD, 28Lx26 tires, \$16,000; 1984 540B JD, 640 rearends, 28 Lx26 tires, \$25,000; 1986 648D JD, dual function, \$27,000; 1993 648E JD, dual function, \$46,000. (3) Crawlers: 1993 D31P20 LGP Komatsu crawler dozer, \$25,000; 1995 D31P20 LGP Komatsu crawler dozer, \$35,000; 1995 D3CLGP, new undercarriage, \$33,000; 1990 650G, 6-way blade, \$32,000. (4) Knuckle Boom Loaders; 1987 210C 6 cyl JD slasher pkg, \$27,000; 160 BARKO on tandem truck, \$11,000, 1987 XL 175 Husky, \$14,500. (5) Trucks: 1998 Peterbilt, 470 Detroit, 18sp, \$36,000; 1978 GMC 2-ton w/hydr hoist, flatbed dump, \$4,500. (6) Excavators: 1990 JD 480D, \$27,000; 1992 Mitsubishi MXR55, \$12,000. (7) Delimbers: 1985 125B Case w/3000 Denis, \$27,000; 1986; JD 693C w/3000 Denis, \$25,000; 1995 CAT 320 w/3500 DT Denharco, \$79,000; 1999 JD 200LC/453 Pro Pac, \$110,000. (8) Feller-Bunchers & Shears: 1979 Drott 40, shearhead, \$17,000; 1978 Drott 40, JD eng, \$13,000; 1986 490 JD, w/20" Timbco shearhead, \$29,900;

1993 JD 590D w/18' roto saw, \$29,000; 1993 T445 Timbco, w/22" Quadco sawhead w/side tilt, \$125,000; 1993 Risley Black Magic w/Risley sawhead, \$95,000; 1988 910 Cat, 17" shearhead, rebuilt trans, \$32,000; 1987 411B Hydro-Ax, \$20,000; 1986 511B Hydro-Ax, 6BT Cummins, \$30,000; 1988 JD 643 20" Cameco shear, \$23,000. (9) Wheel Loaders: 1992 410D JD backhoe, \$27,000; 544B JD, \$15,500; 1979 544B JD, \$18,500; 1981 644C JD, \$28,800. (10) Miscellaneous: 1991 Bobcat 853 skidsteer loader, \$9,500; 1986 Hyster LP forklift gas, \$1,700; CAT V80D \$8,000 lb forklift, \$6,500; 60" slasher w/power unit, \$14,500; 20' Koehring sawhead to fit 643 JD, \$9,000. Contact: Northern Timberline Equipment, Inc, 6000 Co Rd 8, Littlefork, MN 56639; Phone: (218) 278-6203; Fax: (218) 278-6716.



Services and Miscellaneous

- SERVICES** Analysis & testing for fungus, disease, decay, stain & mold using AWP, NWDA, ASTM standards; new products testing; fungus isolation, identification from trees, wood products & wood in use. Contact: Dr. Dana Richter, Forest Resources & Environmental Science, Michigan Tech. University, Houghton, MI 49931; Phone: (906) 487-2149; Email: dlrichte@mtu.edu; <http://forest.mtu.edu>.
- SERVICES** (1) Anchorseal end sealer for green logs & lumber, samples available. (2) Logsavers & Flichtsavers for logs & veneer fitches; can be sawn or sliced though without damaging equipment. Contact: U-C Coatings Corp., P.O. Box 1066M, Buffalo, NY 14215; Phone: (716) 833-9366; Fax: 716-833-0120; Email: mnmkt@ucoatings.com, www.ucoatings.com.
- SERVICES** Recondition Montgomery hog teeth, anvils & rings, Zeno grinding machine cutters. Contact: G&G Repair, 9407 Main S.E., East Sparta, OH, 44625; Phone: (330) 866-9764; Fax: (330) 866-5225; Email: hgg9407@aol.com; Website: <http://www.ggrepair.com>
- SERVICES** Custom dry kiln services, located near Carlton, MN. Call for prices. Contact: Dave Grinnell, Arrowhead Wood Products, 1592 Olsonville Rd., Carlton, MN 55718; Phone: (218) 384-3521; Fax: (218) 384-3187.
- SERVICES** Buy, sell, trade, consign & repair (new/used) Woodmizer band saw mills & related equipment. Contact: Woodmizer Wisconsin, Phone: (715) 684-5055.
- SERVICES** Saw hammering, welding, troubleshooting, consulting & accurate sawmill alignment, saw tensioning or trouble-shooting training & seminars available. Contact Casey at Seneca Saw Works, 3843 Main St, Burdett, NY 14818; Phone (607) 546-5887; Fax: (607) 546-5889; Email: casey@senecasaw.com; Website: www.senecasaw.com
- SERVICES** Circular, band & carbide saw blade repair: Contact: Harry R. Schell, Inc, Harry R. Schell Sawmill Sales & Supplies Inc, 601 W Park St, Blue River, WI 53518; Phone: (608) 537-2987; Fax: (608) 537-2032; Customer order line: (800) 462-5807.
- SERVICES** Structural engineering, log & heavy timber frame homes, unusual foundation problems solved. MN & WI registration. Contact: John Wilkinson, Consulting Engineer, 604 2nd Ave N, Sartell, MN 56377; Phone: (320) 253-1019; or: (563) 547-1078.

- WANTED** Weekes Forest Products/St. Paul, MN seeks a top performer with 3+ yrs industrial lbr. Sales exp. This opening offers a top comp. plan & fringes. Light travel. Contact: Ken Boehmer, PO Box 13327, St. Paul, MN 55114-0327; Fax resume: (651) 644-9520; Phone: (651) 644-9807; Email: kenb@weekesforest.com; Website: www.weekesforest.com.
- TRAINING** Forestry Cooperatives: What today's resource professionals need to know – A national satellite conference. November 18, 2003, Presented by U of M, U of W and USDA. Information available at; www.aae.wisc.edu/uwcc/forestcoops.
- TRAINING** North Carolina State University Hardwood Dry Kiln Operator's short course. September 23-26, 2003 at Haywood Community College, Clyde, North Carolina. Contact: Joe Denig, North Carolina State University, Campus Box 8003, Raleigh, NC 27695; Phone: (919) 515-5582; Fax: (919) 515-8739.
- TRAINING** Lumber and Building Materials Short Course. A two-week intensive course for those involved in retail and wholesale sales of wood products and building materials. This course emphasizes product knowledge. The basics of building materials estimating are also an important part of the course. January 5-15, 2004, St. Paul Campus, U of M. For more information, contact: Jim Bowyer, Department of Wood and Paper Science, University of Minnesota, 2004 Folwell Avenue, St. Paul, MN 55108; E-mail: jbowyer@umn.edu; Phone: (612) 624-4292; Fax: (612) 625-6286

MarketPlace Bulletin

The MarketPlace Bulletin is published three times annually by the Minnesota DNR Wood Products Utilization & Marketing staff and is distributed free of charge. It serves the timber producing and wood using industries of the state by providing relevant information on Minnesota's forest industry and forest resources, and by listing forest product and related items wanted, for sale, equipment for sale or wanted, services provided and employment opportunities. The Bulletin has a mailing list of over 3,000, and is also available on the internet at: <http://www.iic.state.mn.us/finfo/luse/harvest.htm>. Subscribers include small and large businesses in Minnesota's forest products industry, forest resource managers, and some forest landowners. Persons can begin receiving the bulletin, or cancel a current subscription, by making a request by phone at: (651) 296-6491 or by email: keith.jacobson@dnr.state.mn.us. **We love subscribers, but if you no longer use the Bulletin, please cancel your subscription and help us stretch our budget.**

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DNR Forestry Timber Auction Sales

Date	Auction Type	Sale Name	Location
10/13	Regular	Cook County	Co. Commiss. Bd Rm, Grand Marais
10/14	Regular	Hubbard/Becker/Wadena Co	Park Rapids Environ. Ed. Bldg.
12/02	Regular	Lake of the Woods/Kooch Co	Baudette DNR Forestry Office
12/02	Intermediate	Baudette Area	Baudette DNR Forestry Office
12/03	Regular	Carlton/St. Louis Co	Cloquet Forestry Office
12/03	Intermediate	Cloquet Area	Cloquet Forestry Office
12/03	Regular	Pine/Kanabec Co	Rutledge Community Center
12/03	Intermediate	Hinckley/Cambridge Area	Rutledge Community Center
12/04	Intermediate	Littlefork Area	Littlefork Community Center
12/04	Regular	Koochiching Co	Littlefork Community Center
12/08	Regular	Aitkin	Long Lake Cons. Center, Palisade
12/08	Intermediate	Aitkin	Long Lake Cons. Center, Palisade
12/09	Regular	St. Louis/Lake/Kooch Co	Orr City Hall
12/09	Intermediate	Orr/Tower Area	Orr City Hall
12/10	Regular	Beltrami/Itasca/Kooch Co	Blackduck Senior Center
12/10	Intermediate	Blackduck Area	Blackduck Senior Center
12/11	Regular	Beltrami/Kittson/LOW/Marshall/ Pennington/Roseau Counties	Grygla Community Center
12/11	Intermediate	Warroad Area	Grygla Community Center
12/12	Regular	Houston/Winona Co	Rushford Fire Hall
12/16	Regular	Itasca/Cass/Koochich Co	Big Fork Community Center
12/16	Intermediate	Deer River/Effie Area	Big Fork Community Center
12/18	Regular	Itasca/St. Louis/Kooch Co	Iron World – Chisholm
12/18	Intermediate	Hibbing Area	Iron World – Chisholm
1/05	Regular	Goodhue/Wabasha Co	Lake City DNR Office
1/13	Intermediate	Park Rapids/Detroit Lakes Areas	Hubbard County Courthouse
1/29	Intermediate	Bemidji Area	Bemidji Area DNR Forestry Office



The Market Place
DNR Forestry
500 Lafayette Rd
St. Paul, MN 55155-4044
Website: <http://www.iic.state.mn.us/finfo/luse/harvest.htm>

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