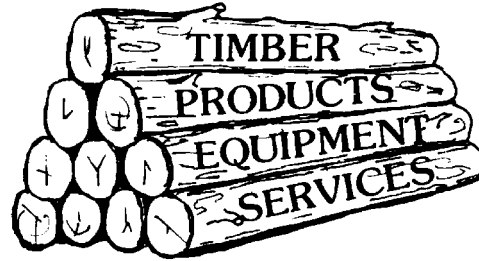




The Market Place

A Service to
Minnesota's
Forest Industry



Winter 2004-05

In This Issue:

Page

- 1) Minnesota's Lowland Hardwood resource.
- 5) New Publications Available; MP Bulletin Reader Survey
- 6) 2004 Gypsy Moth Trapping Results; Lumber & Building Materials Short Course Notice.
- 7) "Eco-Affordable House" Certified Wood Marketing Effort.
- 8) Forest Management Guideline Monitoring Results Summary.
- 9) Ad listings.

Hope you enjoy it!

Keith Jacobson

The MarketPlace Bulletin is published four times annually by the Minnesota DNR Wood Products Utilization & Marketing staff and is distributed free of charge. It serves the wood industry 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.dnr.state.mn.us/publications/forestry/marketplace/index.html>.

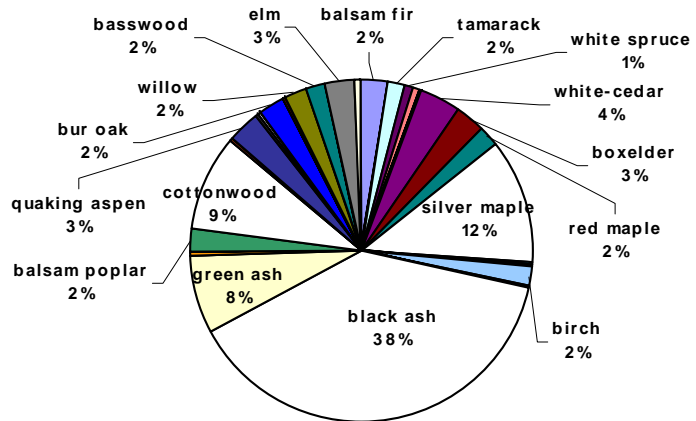
Persons can begin receiving the bulletin, or cancel a current subscription, by making a request by phone at: (651) 296-6491 or by email: keith.jacobson@dnr.state.mn.us.

Minnesota Forest Resources Overview

The lowland hardwoods resource is part 6 of our continuing look at Minnesota's changing forest resource. Readers should be mindful that we are using the FIA inventory data currently on hand. One more year of data will be available early next year, so some of the numbers will change a bit as more data comes online. Thanks to Mike and Jana Albers, Jon Nelson and Lance Sorensen of our DNR staff, who provided valuable input.

Minnesota Lowland Hardwoods Resource

Lowland Hardwoods Cover Type by Species
Volume 2002 FIA



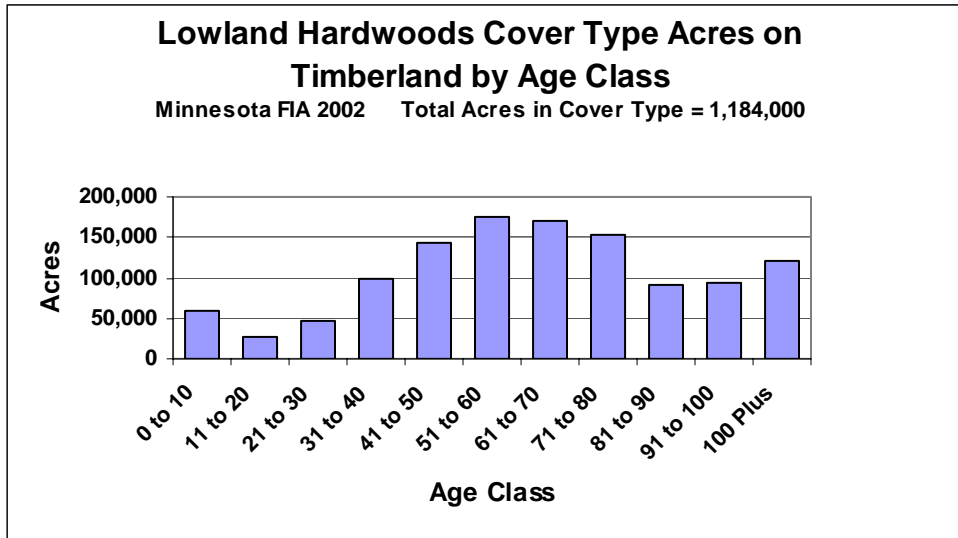
Source: 2002 FIA Database provided by US Forest Service FIA Unit

The lowland hardwoods cover type in Minnesota is very diverse and contains a variety of tree species. The most prevalent of these are black ash, silver maple, green ash and cottonwood. The broad lowland hardwoods cover type classification contains what could actually be classified as several distinctively different species associations. The

Continued on Page 2

Resource Overview...Continued from Page 1

most common of these are black ash-dominated stands, often located on organic soils; and silver maple-cottonwood dominated stands, often located in broad or narrow floodplains near rivers. Of a total timberland area of around 15 million acres in Minnesota, there are nearly 1.2 million acres in the lowland hardwoods cover type according to the 2002 FIA inventory. It is a significant resource. Lowland hardwoods provide important habitat for several species of wildlife, as well as providing an increasingly important timber resource.



Source: 2002 FIA Database provided by US Forest Service, FIA Unit

The lowland hardwood cover type in Minnesota is dominated by late “middle age” stands.

Management

Black ash seedlings are fairly shade tolerant (they become less shade tolerant with increasing age), so ash-dominated stands are most often managed on an uneven-aged basis, with thinning the most common harvest system. Silver maple on lowland sites is often fairly intolerant of shade and therefore silver maple dominated stands are most often managed by even-aged systems such as clearcutting and group selection harvest.

On good sites, it is important to avoid harvesting high-quality stems too early for use as pulpwood. In order to maximize long-term economic opportunity for landowners, to maintain diverse wildlife habitats and to sustain a diverse forest industry, stems with potential for sawlog, veneer and specialty markets should be grown to sawlog size.

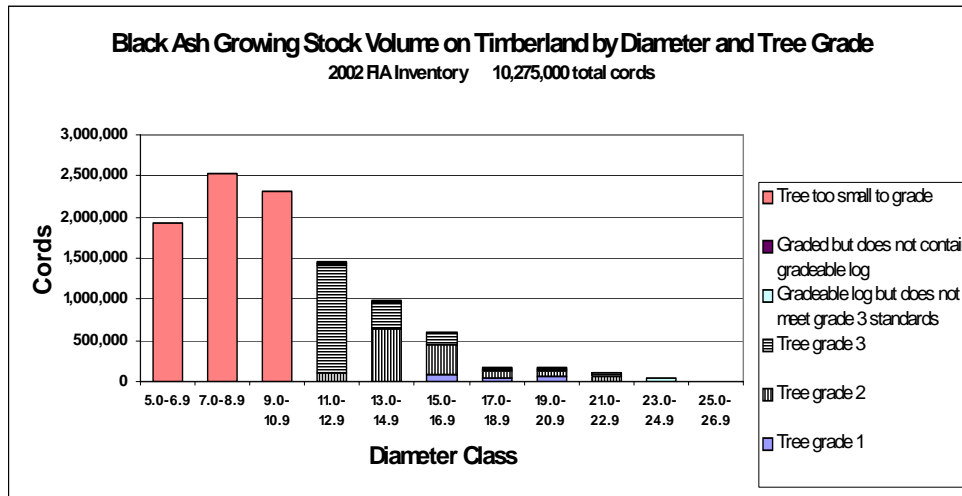
Management Concerns:

- Season of harvest is limited on many sites.
- Harvesting some wet ash stands too heavily can have an impact on the local water table, making regeneration difficult.
- Competition from canarygrass and other vegetation on very productive lowland sites can make consistent regeneration difficult.
- Limited markets have meant limited opportunity for management in the past.

Black Ash

Since it is the dominant species in the lowland hardwoods cover type, we will focus most of the remainder of this article on black ash.

Of the ash species found in Minnesota (black, green and white) black ash has by far the greatest volume. It grows largely on lowland sites, but is sometimes found in association with northern hardwoods on mesic upland sites.

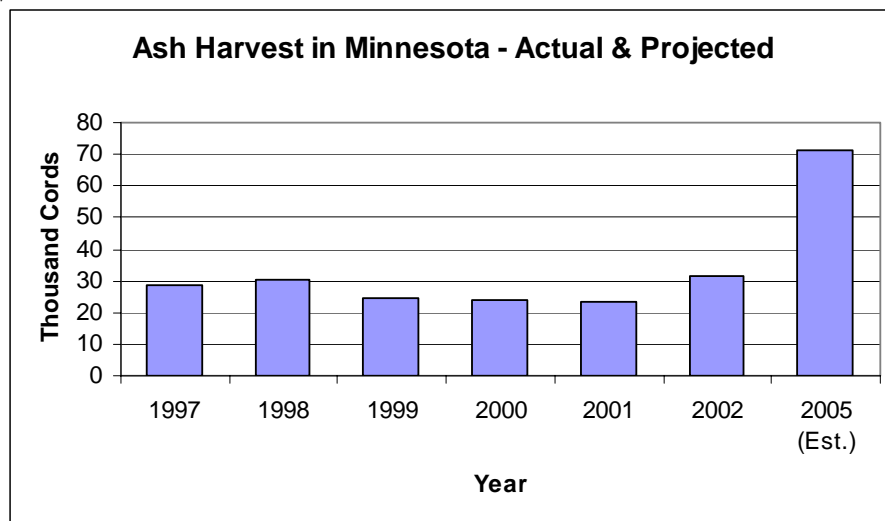


Source: 2002 FIA Database provided by USFS, North Central Research Station. Tree grade 1 is the highest sawlog quality, grade 3 lowest.

Minnesota's black ash resource is dominated by smaller diameter material. This has an impact on processing opportunities: specifically, much of the black ash resource is a good fit for pulpwood mills. We do however, grow some high quality sawlog and veneer ash in Minnesota.

Ash Harvest & Markets

Harvest levels for ash have risen recently as markets have improved. Net growth of all three ash species in the state is about 497,000 cords according to the 2002 FIA inventory (black ash alone is about 293,000 cords), so there is a fair amount of room to accommodate increasing harvest levels.



Source: Harvest data compiled by North Central Forest Experiment Station & DNR

Pulpwood Markets: Ash has not had a pulpwood market until quite recently, when several pulp & paper and OSB mills began using it. This market should rise steadily for the foreseeable future.

Sawlog Markets: Sawlog markets for ash have been reasonably good over the past year.

Veneer Markets: Black ash veneer markets, while not as good as in the early 1990s, have been reasonably good for the past year.

Black Ash Forest Health

Black ash along the roads commonly look bad, but now a lot more are showing serious dieback and mortality. The worst of it appears to be in a swath running through Mille Lacs county up through Aitkin, western Carlton and into southwestern St Louis county, but scattered amounts occur outside these areas. And while many stands look poor, there are often many stands of healthy and vigorous looking ash nearby. The first question that comes up is “Is it emerald ash borer”? The simple answer is no, it is not emerald ash borer. There is no evidence that emerald ash borer is involved. Emerald ash borer has not yet been found in Minnesota or anyplace west of Lake Michigan. Of course that could change at any time, so we have to be on the alert.

Right now the problem appears to be physiological and weather related. Recently we have had a winter with no snow cover resulting in deep frost and much colder than normal soil temperatures possibly causing some root damage along with drought, a late cold spring, and a cool summer.

In an effort to determine the cause of dieback, DNR Forest Health staff have cut down and examined trees in 5 or 6 different stands. Northern ash bark beetle was found on one tree and Armillaria on another, but so far, no insects or fungi have been found to be consistently associated with the declining trees. The trees produced a healthy set of buds in the fall of 2003 and looked as if they just didn't break bud in the spring of 2004. By mid-summer the cambium was brown and fermented in the branches and upper stem of the trees, usually without evidence of any boring insects. Some trees were entirely dead. In many the entire crown appeared dead, but most were producing epicormic branches on the trunk.

A similar episode of ash dieback and mortality occurred in the early 1990's. At that time forest health staff examined 37 stands of ash along a transect in eastern Aitkin County. Here's a brief summary: No insect or diseases were consistently associated with the problem. The worst damage occurred in ash growing in closed depressions. Ash, when growing in areas with a flow of water through the stand, were generally healthy. During wet years, water collects in these closed depressions and can't flow out. The ash roots grow very shallow in these waterlogged soils. It was felt that when drought hits, these ash trees are unable to draw water from lower in the soil profile and become stressed and die back.

Further investigations need to be done to better explain and understand the current problem and also to help answer questions about how to manage these stands and how to avoid or reduce these problems in the future. In the mean time, it is too early to give up on your ash.

Black Ash and Lowland Hardwoods Future

New markets mean new and improved opportunities for management of ash and other lowland hardwoods. The forestry community will need to share information on management successes and failures as expertise develops at the field level, in order to ensure sustainable management of these important resources.

MarketPlace Bulletin Reader Survey

Although I do it frequently in informal conversation, I think it is important periodically to more formally ask readers what they find most valuable in a publication. So here is your chance to impact what you might see in upcoming issues of the MarketPlace Bulletin. Please circle the appropriate number to indicate how valuable the listed subjects are to you, with 5 being extremely valuable and 1 being not valuable at all.

	Extremely valuable			Not valuable at all	
Minnesota's forest resources	5	4	3	2	1
Wood market updates	5	4	3	2	1
Stumpage price information	5	4	3	2	1
Wood industry company profiles	5	4	3	2	1
Wood industry happenings	5	4	3	2	1
Ads:	5	4	3	2	1

Additional Comments (please use reverse side): _____

I am a (please check all that apply):

Logger , Operator or Employee of a wood-based business , Natural Resources Professional

Landowner , Other (please list) _____ .

You can either clip & return this survey by snail mail to Keith Jacobson, Minnesota DNR-Forestry, 500 Lafayette Road, St. Paul, MN 55155, send an email to: keith.jacobson@dnr.state.mn.us or give me a phone call at (651) 296-6491. Thanks!!

New Publications Available on Web

The DNR Wood Utilization & Marketing Program, along with partners, has produced several new publications that are now available on the DNR website at: <http://www.dnr.state.mn.us/forestry/um/index.html>

Minnesota's Forest Resources 2004

An annual publication with information on Minnesota's forest resources and forest industry, and trends impacting them.

Minnesota Special Forest Products Harvest to Market Directory

This directory was prepared in an effort to better connect the harvesters and purchasers of Special Forest Products. These products are berries, burls, herbs, berries, decorative materials and other non-timber raw materials gathered from Minnesota's forests and adjacent lands. The directory was developed by the University of Minnesota Extension Service and the Minnesota Department of Natural Resources - Forestry Division with a grant from the U.S. Forest Service State and Private Forestry's "Rural Development through Forestry" program. Thanks to Phil Monson and Mike Reichenbach of U of M Extension and Greg Russell of our DNR U&M staff, who did most of the "heavy lifting" to develop the directory, which will be frequently updated.

Minnesota Residential Fuelwood Assessment 2002-03

Residential fuelwood surveys are part of a long-term effort to monitor trends in use of fuelwood by residential households in Minnesota. The information is of interest to forestry because of fuelwood's impact on timber harvest and forest management. Special thanks go to Jean Mouelle of our DNR U&M staff who led the project, Chun Yi Wu of MPCA, Ron Piva of USFS, and Rick Dahlman of DNR who, along with other partners, who were instrumental to project completion.

2004 Gypsy Moth Counts in MN on the Upswing:

Kimberly Thielen Cremers (Gypsy Moth Program Coordinator-MN Dept. of Agriculture) gives the following report for Minnesota: "We had a delay this year in moth emergence due to the record breaking cold spring/summer. Our first male moth recovered in a detection trap was July 19 at a nursery in southern Twin Cities area. The first male moth captured outside a high-risk site (nursery, mills, parks) was on July 26.

After conclusion of our monitoring season in the metro area and in SE MN on September 3rd we had a grand total of 107 moths, with two of these from the north shore. But then on September 13 everything changed. Our lead worker in the North reported 25 suspects on the very first day of trap removal for our northern trappers. From that point on moths came in at approximately 15-20/ day. When everything was said and done on September 30 we had a total of 286 moths alone in St. Louis, Lake, and Cook County, with Cook pulling in 198 of the 286. Total moths captured in the state numbered 396."

Kimberly recommends that folks visit the Slow the Spread (STS) website to review these results at <http://www.gmsts.org/operations> click on "Decision Support" on the left hand side of your screen. Then click on MN on the map. A large view showing MN should appear. Change the dial to "Traps" and then click on the map to view more detailed data in the area you are interested in.

You can also visit a website to view a Minnesota map showing locations of the Gypsy Moth counts as of early October <http://www.mnsaf.org/whatsnew>

Upcoming Educational Opportunity:

Lumber & Building Materials Short Course

The 56th Annual Lumber and Building Materials Short Course will be held January 3-13, 2005 at the University of Minnesota campus, Saint Paul, Minnesota. The short course is actually two sessions designed to meet the educational needs of new employees, managers, and sales professionals in the retail building materials industry. The first session consists of five full days covering product information, building systems, marketing, and the workplace environment. It is a comprehensive primer covering everything a sales professional needs to know to effectively serve customers, be they distributors, dealers, builders, contractors, or homeowners. The second session is a three and one half day estimating course taught by a nationally recognized trainer with over 30 years experience.

For additional details including information about fees, "early bird" and group discounts, and registration procedures please visit our website at: <http://www.cnr.umn.edu/BP/extension/shortcourses/lbm.php>
Or contact: Harlan Petersen, Department of Wood & Paper Science, University of Minnesota. 2004 Folwell Ave., St. Paul, MN 55108; Phone: (612) 624-3407; Email: harlan@umn.edu.

Attention Sawmillers! 2004 Sawmill Production Survey Time is Approaching

DNR Utilization & Marketing Staff will begin surveying sawmills soon, and will continue through early spring of 2005. We have had great cooperation from the industry over the years and hope we can count on your continued assistance. Most smaller sawmills will be contacted by mail, while some larger sawmills will receive a personal or phone visit. Updated harvest information is gathered through the survey, and we also will produce an updated Minnesota Primary Forest Product Producer Directory with the newly collected information next summer, as a marketing tool for wood businesses.

"Eco-Affordable" House Project is Effort to Expand Local and Regional Markets for FSC-Certified Wood Products

By Lynn Sue Mizner, Minnesota DNR Utilization and Marketing Staff

Products that come from certified forests will benefit from a new project in north central Minnesota. The project will be funded by the McKnight Foundation, Dovetail Partners, Inc. and the Rockefeller Brothers Fund.

Minnesota Department of Natural Resources, the Onanegozie Resource Conservation and Development agency, Dovetail Partners, Inc., the McKnight Foundation, and other partners are coordinating the development of a pilot "eco-affordable" house construction program in the region. The term "eco-affordable" was coined by Dovetail Partners to reflect the project's goals, which are to use the need for affordable housing as a tool to stimulate, train, and develop local businesses and individuals over an extended period of time. A clearly defined need for newly constructed homes in the \$120-150k price range and the need for long-term economic development were requirements for locating the pilot project. Aitkin County, Minnesota had the required base of small businesses tied to the natural resource industry of the region, so the city of Aitkin will be the location of the first model house. A location in Bayfield, Wisconsin is also being pursued.

This project will make every attempt to source products and materials produced with consideration of environmental, social and economic impacts. Because of project funding, the project aims specifically to develop businesses that source materials from responsible sources, particularly third-party certified forests, and a high priority will be given to local resources, and to materials coming from nearby third party certified forests.

The goal is to continue the project for at least five years, building 3-5 new houses per year.

As an initial step, the group will define the location, target price, and, in some cases, the customer (in cases of specific need, e.g. teachers) for the house. Once a site is identified, Dovetail Partners will take possession of the lot, either through purchase or other, and the committee will pick a house design to fit the site.

An added benefit to recipient communities will be that as training opportunities are identified during the process, the committee will develop a training schedule and champions for identifying trainers will be selected. Potential training opportunities might include:

- Business planning
- Carpentry
- LEAN manufacturing
- Marketing and Sales

Every effort will be made to produce the house for the selling price, or less. Any excess income above actual cost will be applied to future house construction in the project to reduce the risk, or the price of the house will be reduced.

If readers are interested in participating in this project, or duplicating it in their own communities, they can contact Jeff Howe, Dovetail Partners at jeff@dovetailinc.org or 4801 N. Highway 61, Suite#108, White Bear Lake, MN 55110. Phone (651) 762-9642. Project details are also available on the Dovetail Partners website at www.dovetailinc.org

Implementation of Minnesota's Voluntary Site-Level Timber Harvest and Forest Management Guidelines

By Rick Dahlman, BMP Program Coordinator

History of Guidelines

Minnesota forest practices have been guided by Best Management Practices (BMPs) for water quality since 1990. Additional BMPs to protect wetlands and visual quality were added in 1995. The Sustainable Forest Resources Act (SFRA) of 1995 mandated that BMPs be expanded to provide protection for a broad range of resource functions and values on all forestlands in Minnesota. In order to address this mandate, the Minnesota Forest Resource Council (Council) and partners developed guidelines to protect soil productivity, wildlife habitat, Riparian Management Zones (RMZs, or woodlands along the banks of a stream or river), and cultural and historic resources. These guidelines were then integrated with the existing BMPs and in 1999, Minnesota's comprehensive *Voluntary Site-Level Forest Management Guidelines* (Guidelines) were published.

Guideline Monitoring Program

The SFRA also required that a process be developed to monitor forest management practices on all forestlands in Minnesota to ensure that the Guidelines are properly implemented. The monitoring program evaluates Guideline implementation through field visits to randomly selected recent timber harvest sites on all owner-ships. The first three years of monitoring, summarized here, evaluated harvest practices prior to establishment of Guidelines. They establish a baseline of information on harvesting practices that future monitoring results will be compared to as one measure of progress.

Results Summary

A total of 315 harvesting sites have been monitored for implementation of the Guidelines: 108 in 2000, 118 in 2001, and 89 in 2002. Monitoring results were generally good. Some of the important findings from the three baseline years of monitoring are given below.

- Fifty-three percent of the monitored sites were harvested exclusively in the winter.
- Twenty-five percent of the monitored sites were visually sensitive.
- Filter strip compliance with Guideline recommendation (less than 5% mineral soil exposure, dispersed over the filter strip) was 73%.
- Appropriate water diversion and erosion control practices were installed on slightly more than 7% (3 year data) of skid trail and road approaches to wetlands and streams. More detailed information gathered only in 2002, however, found that even though compliance on erosion control practices for skid trail and road approaches to wetlands and streams was low, erosion was evident on less than 6% of all approaches examined.
- 37% of the skid trail and road segments with a grade of 2% or more had the appropriate water diversion and erosion control practices installed. Detailed information gathered only in 2002 found that erosion was visually evident on 22% of all segments examined.
- Only 6% of over 2,000 locations on the 89 sites monitored in 2002 had rutting 6 inches deep or deeper. 47% of all rutting was confined to roads, skid trails, and landings.
- The Guidelines recommend that site infrastructure (i.e., roads, landings) occupy no more than 3% of the harvest area. The statewide average was 3% for each of the three years.
- Landings were located outside of wetlands (as per Guideline recommendations) 79% of the time. Guidelines for leaving coarse-woody debris on site were met in 79% of the general harvest areas. Slash was retained at the stump or redistributed back on the site for 75% of the sites monitored.

- About 86% of the total sites were clearcut, and 53% of the clearcut sites met the leave tree guideline recommendations

Upcoming training programs and informational literature for natural resource managers, loggers, and land-owners will focus on increased awareness of those practices needing improvement. The guidelines themselves have and will continue to be reviewed and revised, based in part on the monitoring results, to insure they are effective and easily understood.

For more details or a copy of the full report please contact Rick Dahlman, BMP Program Coordinator at DNR Forestry, 500 Lafayette Road St Paul, MN 55155-4044. Phone: (651)296-6502; Email: rick.dahlman@dnr.state.mn.us



Forest Products Wanted

- WANTED** Approximately 10 to 20 cords small diameter red pine for use in making toy furniture. Specs: Approximately 2"-4" diameter, small end. Approximately 8' length. Low taper, few knots. Wood must be hand-cut: no marks on the bark from processing equipment. Will pay up to \$150/cord, delivered. Contact: Tim Gross, 12518 312th Ave, Princeton, MN 55371; Phone: (763) 633-4829.
- WANTED** Head block for Enterprise saw mill (cast iron old), also shingle mill. Contact: Louie Job, Lou's Sawmill, 511 Park St, Anoka, MN 55303; Phone (763) 422-9198; Email: Louie.Job@msn.com.
- WANTED** Aspen, basswood, cottonwood, spruce & pine, 3" x 3"x 8' & 10'; 4" x 6" x 7', 8' & 10'; 3"x 4"x 10' & 12', rough, green square edge. Contact: Scott Talbot, Talbot Lumber Inc, PO Box 9, Big Lake, MN 55309; Phone: (763) 263-9663; Fax: (763) 263-9667
- WANTED** White oak saw logs, most 10 ft long, will pay \$140-\$180 per cord, delivered to Little Falls, MN. Contact: Greg Pont, Ponto's Logging Lumber, 12291 80th St, Little Falls, MN 56345; Phone: (320) 632-8914.
- WANTED** 6/4 low grade hardwood lumber for stake mfg., 6" & 8" widths; Contact: Bob Montgomery, R A Montgomery & Co; Phone: (610) 621-2893, Email: ramco@juno.com.

Equipment Wanted

- WANTED** (1) Log cabin tooling for Pendu saw. (2) Late model pallet mfg, wooden stake & shavings bagging equipment, call for price. Contact; Bob Montgomery, R A Montgomery & Co; Phone: (610) 621-2893. Email: ramco@juno.com.
- WANTED** Used pallet notcher, gang rip & planer. Contact: Scott Talbot, Talbot Lumber Inc, PO Box 9, Big Lake, MN 55309; Phone: (763) 263-9663; Fax: (763) 263-9667; Email: stalbot@talbotlumber.com



Forest Products For Sale

- FOR SALE (1) Dowels, rods, poles, 3/4" to 2-1/2" dia, lengths up to 16' with no splicing, can splice poles longer. (2) Factory cart truck stakes & replacement parts. (3) Wheel barrow handles, core plugs, rewinding plugs, plywood-shipping circles, pry bars, lifting sticks, & paddles. Contact: Mark Slade, Mark Slade Mfg, 110 S Mill St., Seymour, WI 54165-1250; Phone: (920) 833-6557; Email: DRHANDLES@NEW.R.R.COM.
- FOR SALE Northern white cedar products: (1) Log furniture material. (2) Round & sawn log home timbers. (3) Lumber. (4) Paneling. (5) Fence posts. (6) Wood chips. (7) Bark & sawdust. (8) 4"-5"x 8' rough cedar posts, \$125/cord. Contact: Richard Hufnagle, Page & Hill Forest Products, Inc, 7556 Co Rd 31, Big Falls, MN 56627; Phone: (218) 276-2251; Fax: (218) 276-2352. Email: pagehill@citlink.net.
- FOR SALE Plywood, OSB, particleboard and/or MDF cut to size or shape according to your specifications. Plywood blocks for pallets are available. Contact: Joe Campbell, Steel City Lumber Co, PO Box 36189, Birmingham, AL 35236; Phone: (800) 733-1907; Fax: (205) 733-1709.
- FOR SALE Lumber: (1) Basswood 4/4-16/4. (2) Butternut 4/4-16/4. (3) White oak 4/4-8/4 (some quarter sawn), 6/4 for trailer decking. (4) Red oak 4/4-6/4 (some quarter sawn). (5) Birch 4/4. (6) Soft maple 4/4. (7) Poplar 4/4. (8) Green ash 4/4. (9) Walnut 4/4. (10) White pine, red pine & spruce 4/4-6/4. Contact: Jim Mielke, Mielkes Mill & Crafts, 37885 Park Trail, Center City, MN 55012; Phone: (651) 583-2813; Email: jlmie@ties2.net.
- FOR SALE White cedar house & cabin logs, winter cut. Character pieces, benches, mantles & cedar posts. Contact: Jim Parson, Parson Log Homes, Box 412, Big Falls, MN 56627; Phone: (218) 276-2321; Email: jparson@citlink.net.
- FOR SALE Northern white cedar products: (1) One set of cabin logs. (2) 12' to 16' logs. (3) 8' posts & logs. (4) 8' dimension lumber 4" x 4". (5) Specialty logs & burls. Contact: Duane Maki, Maki Wood Products, 36591 Co Rd 39, Deer River, MN 56635; Phone: (218) 246-8738; Email: makidm@paulbunyan.net.
- FOR SALE Black ash stumpage. Approximately 300 to 500 cords available. Some high quality sawlogs & veneer. Contact: Conrad Adams, Cedar Concepts, 1530 English St., Suite 2, St. Paul, MN 55106; Phone:(651) 771-4566.

Equipment For Sale

- FOR SALE (1) 1989 170 XL Franklin grapple skidder w/winch, power shift, 2 sets of tires, \$11,500 (OBO). (2) Hydro Ax 311 B w/22" bar saw, JD motor, \$16,500 (OBO). Contact: Nick Hall, Coldwater Logging, W 15880 Peaceful Ave, Sheldon, WI 54776; Phone: (715) 452-5517; E-mail: windsweptfarms@centurytel.net.
- FOR SALE (1) 2, Galaxy 23.1"-26" tires, \$500 ea. (2) Gearmatic winch, serial #21-309, make offer. (3) Massey Ferguson 220 skidder for parts, make offer. Contact: Dave Westergren, Northern Timber, 7115 237 NE, Stacy, MN 55079; Phone: (651) 462-6076.
- FOR SALE (1) Morbark Stac_trac. (2) Newman KM-16 trim saw. (3) Arasmith salvager hog w/50"x50"

opening. (4) Prentice model 150 stationary loader w/5th wheel. (5) Rodgers un-nailer w/10” blades. (6) Rip-Jac over & under pallet dismantler. (7) Waechter band resaw. (8) Williams C-32 No-Nife hog. (9) Lauderdale Hamilton super chop pop up trimmer. (10) Newman chamfering machine. (11) Cornell double arbor re-saw w/cut-up system (12) Cornell remote trim saw. (13) Cornell cant sizer. (14) Pendu diesel powered M5000 gangsaw w/log cabin tooling. (15) Pendu diesel powered A5000 double arbor re-saw system (16) Pendu A4000 w/cutoff. (17) Brewer gang saws. (18) Wilson 4 stand unscrambler w/Corley package deck. (19) Woodpower grinder model T-60. (20) Morbark waste recycler. (21) Hempstead low speed whole pallet grinder. (22) Keystone stake pointers, manual & automatic. Contact: Bob Montgomery, R A Montgomery Company; Phone: (610) 621-2893; email: ramco@juno.com.

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) Cornell blowers, edgers, trimmers, notchers, slabsaws, log cleaners, unscrambler, decks. (3) Valby wood chippers. (4) Farmi skidding winches. (5) Hitachi power tools & chains. (6) Patz conveyors & belts. (7) Lacey-Harmer laser lights. (8) Danco rip saws. (9) Webster vibrating conveyors. (10) Jonsered chainsaws. (11) Dixon sawmills, edgers, conveyors, log turners, hydra-dogs, pallet notchers, debarkers, slab edgers, trimsaws, decks, rollcases, small hydraulic loaders & trailers. (12) Trailers w/loaders for 4-wheelers. (13) Safe-T-Shelters, storm shelters. (14) Over 100 used electric motors & electrical equipment. (15) Used sawmill machinery. Contact: Rusch Equipment Sales, 400 Rusch Rd, Antigo, WI 54409; Phone: (715) 627-4361; Fax: (715) 627-4375.

FOR SALE

Cable skidders: (1) 1969 C4 TF, P.O.R. (2) 1970 440A JD, \$10,500. Grapple skidders: (3) 1993 518C, new trans, \$40,000. (4) 1991 JD 648E, dual arch, \$39,000. (5) 1982 JD540B w/studded chains, \$21,000. (6) 640 JD, single arch, Young grapple, rebt engine & trans, \$19,500. (7) 2000 648G III, dual func, enc cab w/ac, new eng & tires, \$110,000. (8) 1998 648G ID, dual function, enc cab, w/ac P.O.R. (9) 1988 648D JD single function, rebt eng & tran, \$24,000. (10) 1986 648D JD, dual function, \$27,000. (11) 1987 648D JD, single func, \$24,000. Crawlers: (12) 1995 D3CLGP, new undercarriage, \$33,000. (13) 1990 650G, 6-way blade, \$32,000. (14) 1987 D4H LGP, 6-way blade, enc. cab, \$27,000. Knuckle Boom Loaders: (15) 1996 170A SERCO on SP carrier w/60” slasher, \$53,000. (16) 1987 210C 6cyl JD slasher pkg, \$27,000. (17) 1995 1000B Morbark self-prop carrier, pull thru delimeter, 60” circular slasher, \$55,000. (18) 1987 XL 175 Husky on truck, \$17,500. Trucks: (19) 1978 GMC 2-ton w/hydr hoist, flatbed dump, \$4,500. Delimiters: (20) 1981 743 JD, \$14,500. (21) 1985 125B Case w/3000 Denis, \$27,000. Excavators: (22) 1990 JD 490D, \$27,000. (23) 1992 Mitsubishi MXR55, \$12,000. Feller-Bunchers & Shears: (24) 1993 775B Barko, \$39,000. (25) 1988 JD 643, 20” shearhead, \$25,000. (26) 1979 Drott 40, shearhead, \$17,000. (27) 1978 Drott 40 JD eng, \$13,000. (28) 1993 JD 590D w/18’ roto saw, \$27,000. (29) 1998 JD 653E w/20” Cameco sawhead, \$95,000. (30) 1997 T415 Timbco, 8600 hrs, w/2001 AFM #60 3 dr. roller proc.head, 3000hrs on head, \$95,000 (31) 1988 910 Cat, 17” shearhead, rebuilt trans, \$32,000. (32) 1987 411B Hydro-Ax, \$20,000. (33) 1986 511B Hydro-Ax, 6 BT Cummins, \$27,000. (34) 1994 511E Hydro-Ax 20” sawhead, new Cummins eng, P.O.R. Wheel Loaders: (35) 1992 410D JD backhoe, \$27,000. (36) 1979 544B JD, \$18,500. (37) 1981 644C JD, \$25,000. Miscellaneous: (38) 1988 534B Gradall, 8,000 lb. lift, \$24,000. (39) 1979 Bobcat 732 Skidsteer loader, \$6,700. (40) Cat V80D 8,000 lb. forklift, \$6,500. (41) 54” slasher w/power unit, \$6,500. (42) 60” slasher w/power unit, \$14,500. (43) 20” Koehring sawhead to fit 643 JD, \$9,000. (44) New 60” Hanfab slasher, P.O.R. (45) 1994 (2) Featherlite flatbed semi-trailer, aluminum, \$9,500 ea. (46) Gafner Iron Mule Prehauler, \$12,000. Contact: Northern Timberline Equipment Inc, 6000 Co. Rd. 8, Littlefork, MN 56653-9132; Phone: (218) 278-6203; Fax: (218) 278-6716.

- FOR SALE (1) Farmi-skidding winches for 3 point hitch tractors, winches for 17-40 hp & 60-80 hp. (2) Forwarding log loading trailers. (3) Wood chippers. (4) Carbide saw chain. Contact: Dave, Carlton Saw & Machines, 1592 Olsonville Rd, Carlton, MN 55718; Phone: (218) 384-3512; Fax: (218) 384-3187.
- FOR SALE (1) 2003 JD 548G III. (2) 2001 JD 648G III. (3) 2000 JD 640G II. (4) 2000 TJ 360 cable. (5) 1998 JD 648G II. (6) 1998 CAT 515 grapple. (7) 1997 TJ 240 cable. (8) 1997 JD 548G. (9) 1995 JD 548E. (10) 1990 JD 548D. (11) 1990 JD 640D cable. (12) 1985 JD 440D. (13) 1985 JD 440C. (14) 1999 Barko 160D w/saw. (15) 1998 Prentice 210E w/saw. (16) 1995 Prentice 210D, self-propelled w/aux Hydra & Pup trailer. (17) 1998 JD 643G w/Koehring sawhead. (18) 1998 TK 723T w/Rolly II head. (19) 1997 Hydra – Ax 511EX. (20) 2000 JD 550H w/ winch, log arch & forestry pkg. (21) 1989 Cat D4H. (22) 2001 JD 444H. (23) 1996 DJ 344G. (24) 2000 Brewer Golden Eagle 4 head. (25) 2000 Brewer Silver Eagle 2 head w/return. (26) 2000 Brewer cut-off saw model 1600 w/in & outfeed, air stops, waste conveyor. (27) Brewco speed-cut w/in & outfeed. (28) Meadows portable saw mill. (29) Meadows 4 head block #2 delux. (30) SNW Band Mill. (31) SNW Resaw w/run around. (32) Rotobec 60” cont. turn by-pass grapple. (33) Flotation tires 44”, set of 4. (34) Large selection of sawmills, chip-pac’s, edgers & debarkers. (35) Dry kiln 10,000 board-feet gas fired. Contact: Weber Forestry Machinery; Phone: (615) 373-8809.
- FOR SALE (1) Hydraulic sawmill carriages, Mudata networks, Tower Dogs, Cant turndown. (2) Jackson Scragg Mill. 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) 2, Yanmar diesel 12 hp 2 cylinder motors w/electric start & auto clutch, \$600 each. (2) 2 Yanmar diesel 18hp, 3 cylinder motors w/electric start & auto clutch, \$600. (3) Crusher (jar type) 10”x20” opening, \$3,000. (4) Malsbury pressure washer/steam cleaning system for equipment & trucks, hot/cold, natural gas fire three phase, \$2,000. (5) Crane truck w/hydraulic 30’ boom on Ford F600, 70,000 miles, will pick-up approx. 10,000#, w/outrigger, new pump, PTO, hoses, cables, radiator, Michelin steering tires, lights & cross-member in bed, \$7,500. (6) Large gas Hercules power unit w/clutch flat belt pulley, 6 cylinder, 140 hp, 529 cubic inch, could run on natural gas, \$1,800. (7) 100,000 lb. Proud mechanical jack for lifting buildings & machinery, \$350. Contact: G & G, 2525 Westbrook, SE, Magnolia, OH 44646; Phone: (330) 866-9764; Fax: (330) 866-5225. Email: hgg9407@aol.com
- FOR SALE (1) 3 Bell 4a dowel machines w/extra blades & setups up to 2-1/2” diameter. (2) Large table saw, 30 blades, carbide tipped, 12”to16” diameter. Contact: Mark Slade at Mark Slade Mfg, 110 S Mill St, Seymour, WI 54165-1250; Phone: (920) 833-6557; Email: DRHANDLES@NEW.RR.COM.
- FOR SALE 1990 Stoughton 48 ft long, 102” wide, open top trailer, air ride, lp 24.5” tires, \$7,500. Contact: Mike Duame, Hill Wood Products, PO Box 398, Cook, MN 55723; Phone: (218) 666-5933; Fax: (218) 666-5726; Email: mike@hillwoodprod.com
- FOR SALE (1) Used parts for skidders, small crawlers & excavators. (2) 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. (3) Engines, Tires & Transmissions. Contact Schaefer Enterprises of Wolf Lake, Inc; PO Box 136, 4535 State Rt 3 N, Wolf Lake, IL 62998; Phone: (800) 626-6046; (618) 833-5498; Fax: (618) 833-7765; Email: parts@sewlparts.com; Web site: www.sewlparts.com.

- FOR SALE Log splitter, 2002 Timber Wolf - 6 w/48" stroke, hydraulic log lift, splits 2, 4 or 6 ways, auto feed & auto return, 18 hp twin cylinder electric starter Honda, 22 GPM Barnes pump, fenders, \$8500/OBO. Contact: Bob Mayer, Mayer Forestry & Forest Products Services, LLC, 397 E Big Bear Rd, Connersville, IN 47331; Phone: (765) 825-5030; Fax: (978) 825-6459; Email: mayer@si-net.com.
- FOR SALE (1) Clark forklift, 4000# lift, duals on front, 4cyl gas, \$3,500. (2) 48 volt hydraulic pump setup, \$150. Contact: Lumber Jack, Thompson Lumber, 9810 S Thompson Rd, Foxboro, WI 54836; Phone: (715) 399-2783.
- FOR SALE Notice is hereby given that Aitkin County will be accepting bids for the purpose of selling its Baker 5 Head "C" band resaw w/20 hp motor. Bids must be received by January 6, 2005 by 10:00 AM. Bids must be submitted on the Bid Form and placed in a sealed envelope and clearly marked as a Baker saw bid. To receive a bid form, or to view the saw please contact: Ross Wagner, Economic Development & Forest Industry Coordinator, Aitkin County Courthouse, 217 2nd St, NW, Aitkin, MN 56431; Phone: (218) 927-7305; Email: rwagner@co.aitkin.mn.us
- FOR SALE (1) C4 TF needs front dif. pump, drive shaft etc. \$3,500. (2) C5 cable TF, rebuilt motor, \$10,000. (3) Trailer decking industrial lumber. Contact: Greg Pont, Ponto's Logging & Lumber, 12291 80th Street, Little Falls, MN 56345; Phone: (320) 632-8914
- FOR SALE (1) 18" Roto saw heads with tilt, \$3,500. (2) 22" Roto saw heads with tilt, \$4,900. (3) 1978 TF C6D cable skidder 24.5"x32" tires & chains, \$11,500. (4) 1978 Clark 667C cable skidder, 24.5"x32" tires & chains, \$11,500. (5) 1964 TJ 200 cable skidder, gas engine, 16.9"x30" tires, \$7,000. (6) New skidder chains & used parts. (7) Cant 225LC w/3000 Denis delimber, \$22,900. Contact: Carl Huber, Huber Logging, Box 31, Mine Center, Ontario, Canada; Phone: (807) 599-2835; Fax: (807) 599-2822.
- FOR SALE 1992 Siiro delimber slasher. Contact: Don Nelson, Donald W. Nelson Logging, Inc, 68922 Co Rd 547, Togo, MN 55723; Phone: (218) 376-4638.
- FOR SALE (1) Allis Chalmers diesel power unit w/clutch & pulley, \$600. (2) Minneapolis Moline gas power units for parts, \$300 each. (3) Michigan 175A front loader w/41/2 yard bucket, \$5,000. Contact: Duane Maki, Maki Wood Products, 36591 Co Rd 39, Deer River, MN 56636; Phone: (218) 246-8738; Email: makidm@paulbunyan.net.



Services and Miscellaneous

- SERVICES Reconditions - Montgomery Hog teeth, anvils & rings, Zeno grinding machine cutters. Contact: G&G, 2525 Westbrook, Magnolia, OH 46643; Phone: (330) 866-9764; Fax: (330) 866-5225; Email: hgg9407@aol.com; Website: <http://www.GGRepair.com>.
- SERVICES Custom dry kiln services. Contact: Dave at Arrowhead Wood Products, 1592 Olsonville Rd, Carlton, MN 55718; Phone: (218) 384-3521; Fax: (218) 384-3187; Email: dtgrinnel@netzero.6m.

- SERVICES Custom cutting with Woodmizer bandmill. Contact: Jim Mielke, Mielkes Mill & Crafts, 37885 Park Trail, Center City, MN 55012; Phone: (651) 583-2813; Email: jlmicl@ties2.net
- 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.
- SERVICES Complete saw & knife repairs, mill saws, band saws, carbide saws, slasher saws, planer knives, chipper knives, saw bits & shanks. Contact: Jim Moraska, Moraska Saw & Supply Inc, Box 114, Spalding, MI 49886; Phone: (906) 497-5509; Fax: (906) 497-5509.
- SERVICES Manufacture wood items to customer specification: dowels, plugs, wedges, blocks, handles, knobs, legs, mouldings, balls, cases, rollers, spools & shaping. Contact: Ed Koelbl, American Wood Working Co, Inc, Montello, WI 53945; Phone: (608) 297-2131; Fax: (608) 297-7124.
- SERVICES (1) Anchorseal end sealer for green logs & lumber, available in clear & colors; free samples available. (2) LogSavers & FritchSavers plastic S-irons for logs & veneer fitches; can be sawn or sliced through without damaging equipment. Contact: U-C Coatings corp, PO Box 1066M, Buffalo, NY 14215; Phone: (716) 833-9366; Fax: (716) 833-0120; Email: mnkt@ucoatings.com; Website: www.unccoatings.com.
- WANTED Weekes Forest Products is seeking a top performer with 3+ years of industrial lumber sales experience for our St. Paul, MN office. This opening offers a top compensation plan and fringe benefits. Light travel only. To apply call Ken Boehmer in complete confidence at (651) 644-9807 or (800) 328-2890; Fax: (651) 644-9520; Email: kenb@weekesforest.com; Website: www.weekesforest.com.



Utilization & Marketing Staff: All staff other than Keith Jacobson are part-time on U&M.

Keith Jacobson, U&M Program Leader, St. Paul, 651-296-6491 Email: keith.jacobson@dnr.state.mn.us

Rick Dahlman, U&M Staff, St. Paul, 651-296-6502 Email: rick.dahlman@dnr.state.mn.us

Jeff Edmonds, Northwest Region U&M Staff, Bemidji, 218-755-2894 Email: jeff.edmonds@dnr.state.mn.us

Doug Tillma, Northeast Region U&M Staff, Grand Rapids, 218-327-4108 Email: doug.tillma@dnr.state.mn.us

Lynn Mizner, Northeast Region U&M Staff, Aitkin, 218-927-7511 Email: lynn.mizner@dnr.state.mn.us

Jean Mouelle, Central Region U&M Staff, Warner Road, St. Paul, 651-772-7567, Email: jean.mouelle@dnr.state.mn.us

Lance Sorensen, Southern Region U&M Staff, Lake City, 651-345-3216 Email: lance.sorensen@dnr.state.mn.us

Greg Russell, RC&D Forestry Coordinator, Willmar; Phone: 320-231-0008; Email: greg.russell@dnr.state.mn.us

DNR Forestry Timber Auction Sales

Date	Auction Type	Sale Name	Location
2004			
Dec 14	Regular	Deer River and Effie Area	Bigfork Village Hall
Dec 14	Intermediate	Deer River and Effie Area	Bigfork Village Hall
Dec 15	Regular	Blackduck Area	Blackduck Senior Center
Dec 15	Intermediate	Blackduck Area	Blackduck Senior Center
Dec 15	Regular	Brainerd Area	Brainerd Area DNR- Forestry Office
Dec 15	Intermediate	Brainerd Area	Brainerd Area DNR- Forestry Office
Dec 16	Regular	Hibbing Area	Iron World, Chisholm
Dec 16	Intermediate	Hibbing Area	Iron World, Chisholm
Dec 17	Regular	Houston and Olmsted County	Rushford Fire Hall
2005			
Jan 7	Regular	Goodhue and Wabasha Co	Lake City Area DNR Forestry Office
Jan 11	Intermediate	Park Rapids/Detroit Lakes Area	Hubbard County Courthouse
Jan 26	Regular	Sandstone Area	Rutledge City Hall
Jan 26	Intermediate	Sandstone Area	Rutledge City Hall
Jan 28	Intermediate	Bemidji Area	Bemidji Area DNR- Forestry Office
Feb 11	Regular	Winona, Houston and Fillmore Counties	Rushford Fire Hall
Mar 28	Regular	Goodhue and Wabasha County	Lake City Area DNR Forestry Office
Apr 07	Regular	Winona, Houston, Fillmore County	Rushford City Hall
Apr 14	Intermediate	Bagley Area	Bagley Area DNR Forestry Office
Apr 14	Regular	Cambridge	Cambridge Area Forestry Office
Apr 25	Regular	Two Harbors	Two Harbors DNR 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>

PRSR.T. STD.
US POSTAGE PAID
ST PAUL, MN
PERMIT NO. 171

Change Service Requested