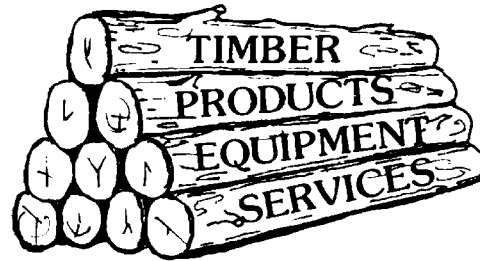




A Service to
Minnesota's
Forest Industry

The Market Place



Spring/Summer 2003

In This Issue: This quarter, we begin with the public stumpage price review. Thanks to Doug Ford, our DNR Forest Economist, and to all of the public agencies who provide data for the survey. We continue with an overview of some overall resource trends, and some trends specific to the aspen and birch cover types. The article is based on some of the new Forest Inventory and Analysis (FIA) data for 2001. We finish, of course, with our ever-popular free ad listings. Hope you enjoy it.

Minnesota 2002 Public Stumpage Price Review

Doug Ford, our DNR Forest Economist has assembled the 2002 Public Stumpage Price Review. It is included, along with historical information back to 1994, in the following tables. Probably of greatest interest to most folks is the slight moderation of aspen prices.

Pulpwood (\$'s per cord)

Species	1994	1995	1996	1997	1998	1999	2000	2001	2002
Aspen	14.82	18.69	16.09	19.20	20.54	23.40	25.28	28.76	27.36
Balm	12.73	16.48	13.24	13.76	16.95	14.13	25.27	32.06	27.53
Birch	5.45	3.52	7.52	7.88	7.53	7.66	7.69	8.31	8.16
Ash	3.42	4.46	5.00	4.46	5.51	2.28	4.09	3.91	5.86
Oak	5.27	4.51	4.37	5.64	8.98	10.76	9.27	7.74	5.77
Basswood	---	4.85	4.01	4.27	4.88	5.67	5.68	5.48	6.51
Balsam Fir	15.15	18.76	14.35	12.65	14.12	12.09	14.84	14.61	13.99
W. Spruce	15.66	26.18	19.06	12.8	19.18	26.62	32.63	29.90	30.51
B. Spruce	20.54	23.65	22.90	18.40	21.16	20.61	22.23	29.17	27.05
Tamarack	4.90	7.73	7.25	6.71	7.29	5.79	5.67	6.40	4.11
White Cedar	9.92	10.48	10.55	11.27	7.31	6.83	8.46	6.74	7.06
J. Pine	24.81	32.08	23.48	23.59	24.72	24.32	21.94	21.63	22.18
R & W Pine	24.57	17.49	21.18	23.35	15.63	17.02	18.61	20.79	20.99

Average prices based on those reported by Minnesota Counties, Chippewa and Superior National Forests, Bureau of Indian Affairs, and Minnesota DNR-Forestry.

Figures compiled by Doug Ford, Timber Sales Program Supervisor, DNR-Forestry

Continued on page 2

Sold as Pulp & Bolts in Combination (\$'s per cord)

Species	1994	1995	1996	1997	1998	1999	2000	2001	2002
Aspen	17.16	20.59	19.05	22.85	25.39	26.35	28.66	34.33	30.80
Balm	13.23	16.96	15.48	16.01	19.51	18.04	25.41	32.57	28.35
Birch	7.51	5.48	9.51	9.03	9.40	8.97	9.45	10.40	10.18
Ash	23.95	28.76	28.65	26.70	18.45	7.09	10.01	11.52	10.01
Oak	20.34	32.82	35.48	30.71	24.58	34.00	25.35	24.33	32.32
Basswood	21.70	29.80	18.69	30.17	17.80	17.65	17.00	18.87	16.94
Balsam Fir	16.03	19.26	15.68	14.97	17.49	15.60	19.87	24.01	20.53
W. Spruce	17.04	29.57	26.51	27.78	26.56	29.83	34.25	33.84	34.88
B. Spruce	22.45	23.76	23.03	19.05	21.16	21.28	23.04	30.01	27.65
Tamarack	5.36	8.00	7.78	6.96	8.18	6.97	6.60	7.37	4.55
White Cedar	12.28	11.73	12.53	12.05	9.29	10.24	8.32	8.68	7.91
J. Pine	34.26	39.21	31.27	31.97	33.83	32.78	30.39	37.95	36.76
R & W Pine	50.60	53.05	44.78	44.71	48.81	57.93	53.35	43.89	40.01

A *bolt* is defined as a short log, usually 100' length, with a specific minimum diameter and generally sawn for lumber

Average prices based on those reported by Minnesota Counties, Chippewa and Superior National Forests, Bureau of Indian Affairs, and Minnesota DNR-Forestry. Figures compiled by Doug Ford, Timber Sales Program Supervisor, DNR-Forestry

Sawtimber (\$ per Thousand Board Feet)

Species	1994	1995	1996	1997	1998	1999	2000	2001	2002
Aspen	64.67	68.93	71.22	93.83	100.54	85.09	102.28	114.11	103.19
Birch	43.12	50.67	52.31	36.60	39.78	36.12	43.17	50.48	55.87
Ash**	132.52	151.28	147.18	108.93	97.09	48.70	71.39	81.97	66.85
Elm	50.68	47.02	60.08	107.20	53.31	56.50	---	44.10	69.00
Oak*	110.67	156.88	177.30	155.97	140.20	146.00	109.53	118.72	151.77
Basswood	90.60	120.91	105.37	107.07	81.15	74.77	70.25	81.24	80.43
Balsam Fir	52.95	55.10	61.49	71.61	88.30	80.82	120.65	144.20	136.32
W. Spruce	72.45	77.79	73.47	83.23	78.34	81.91	90.00	91.27	94.95
White Cedar	37.59	38.55	42.58	37.00	38.64	39.13	19.96	30.46	29.43
J. Pine	120.51	136.55	108.37	115.46	121.84	124.00	114.86	154.35	155.76
R & W Pine	183.95	171.55	163.64	174.34	161.01	198.99	176.01	170.13	153.78

*Oak sawtimber prices mainly from public lands in northern Minnesota**Black ash includes veneerSalvage from July 1999 windstorm included in price for stumpage in 1999 and 2000.

Average prices based on those reported by Minnesota Counties, Chippewa and Superior National Forests, Bureau of Indian Affairs, and Minnesota DNR-Forestry. Figures compiled by Doug Ford, Timber Sales Program Supervisor, DNR-Forestry

Some Forest Resource Trends in Minnesota

Timberland Cover Type Acres

FIA Data For 2001 Available

The 2001 FIA (Forest Inventory and Analysis) information is now available. Field re-measurements were last completed in 1977 and 1990. Minnesota has recently completed year 3 of a five year effort to update its FIA, which is a cooperative effort between the U. S. Forest Service and Minnesota DNR. The inventory will be complete in early 2004. A recent change is that after completion in 2004, the inventory will be updated continually, with approximately 20% of the plots revisited each year.

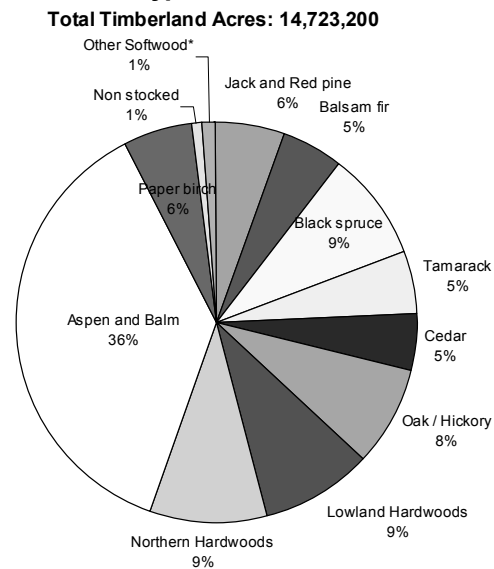
FIA provides extremely important information on the condition of the forest resource. Things like timber volumes, species mixes, and changes to the forest resource over time can be determined using FIA data. It is the only way to track condition and changes over time for non-industrial private woodlands and is the only way to get comprehensive data across all ownerships.

Be aware that some figures will change as more data is collected over the next year and a half, but the information is now reliable enough to make some observations of trends in Minnesota's forest resources on a state-wide basis. We only have room to look at a couple of key cover types in this issue, but I will try to include more in the future.

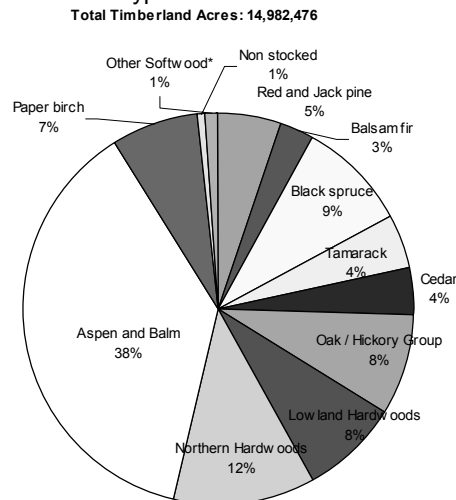
Timberland is defined as forestland capable of producing industrial wood crops that is not withdrawn from harvesting by policy. For example, federal land in the Boundary Waters Canoe Area contains lots of Forestland, but no Timberland, since it is a wilderness area with no harvesting allowed by policy. Forested areas of low timber productivity such as "stagnant" spruce or tamarack swamps are also Forestland areas that are not considered Timberland.

The charts below show that there has been a slight increase in timberland acres since the 1990 inventory. This change could be in part due to a change in survey design, or it could reflect actual on the ground change. If it is an on the ground change, it would mean that although we are losing some timberland to urban development, we have, at least until now, been gaining more timberland, mostly through conversion of marginal agricultural lands to forested condition.

Timberland Cover Type Acres Minnesota FIA 1990



Timberland Cover Type Acres Minnesota FIA 2001

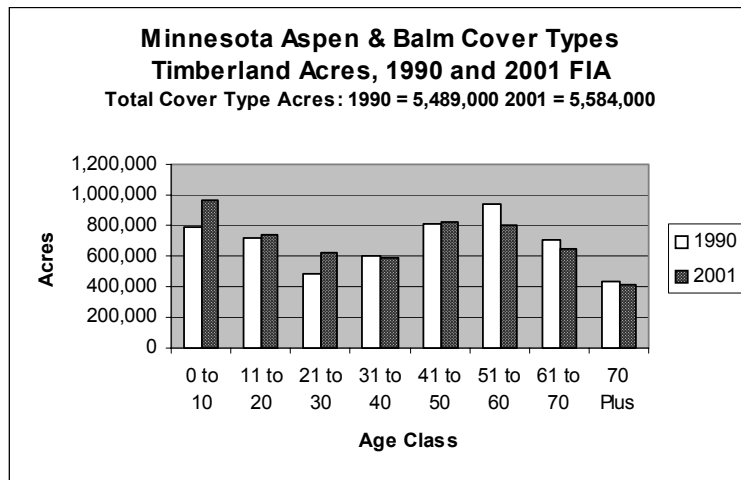


The Aspen Resource

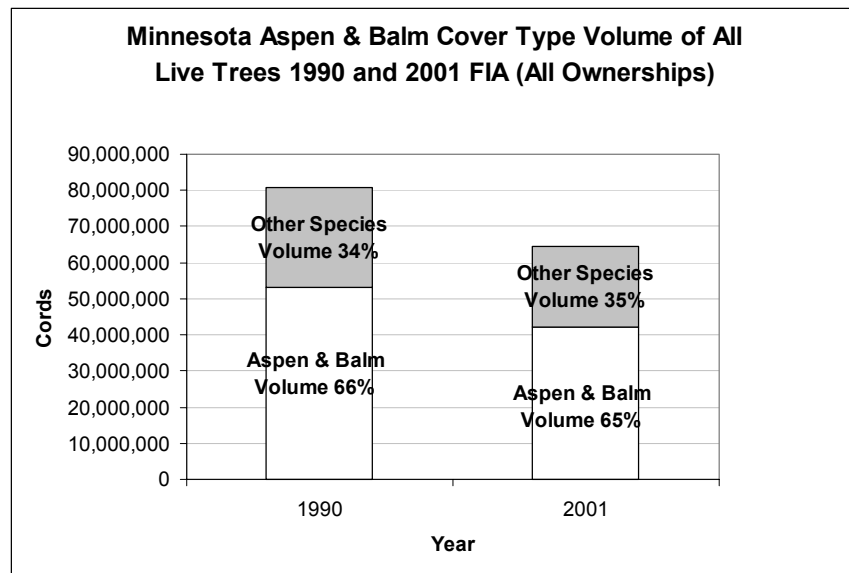
The chart on the upper right shows age class distribution of the aspen and balm cover types in 1990 and 2001. Probably of greatest note are two things: First, total cover type acres have increased by a bit. Second, based on an average of 11 years passing between inventory data gathering, 2001 age class distribution is different than what would be expected in several cases. Specifically, the 2001 “31 to 40” and “41 to 50” age classes are larger than expected. Conversely, the 2001 “21 to 30” age class is smaller than would be expected from expected as we look at the 1990 “11 to 20” age class. The cover type age class picture has, as a whole, “evened out” more than would have been expected.

What could cause this? Probably several things. First, there have been some changes to survey design. Second, there is always some normal statistical variance. Third, part of what we are seeing is probably due to actual on the ground change: Most notably, since the balsam fir species had a great deal of mortality in the 1990s, many additional aspen cover type acres may have come at the expense of the fir type, as aspen now contains a preponderance of volume in many of those acres.

What does this mean? Well, for one thing, it means a bit less of a “roller-coaster” in the aspen age class picture than was previously projected. This means that aspen supplies will still be tight, but at least they should be a bit more evenly distributed by age class than was projected earlier.



Before we paint a rosy picture, however, it is important to look at the volume of wood in these acres. The chart below tells us that total volume has gone down rapidly in the aspen and balm cover types from 1990 to 2001. Average volume per acre fell from around 15 cords per acre in 1990 to approximately 12 cords per acre in 2001, which is a 20 percent drop. The percentage of aspen and balm in the cover type remained quite stable, at 64 to 65 percent.



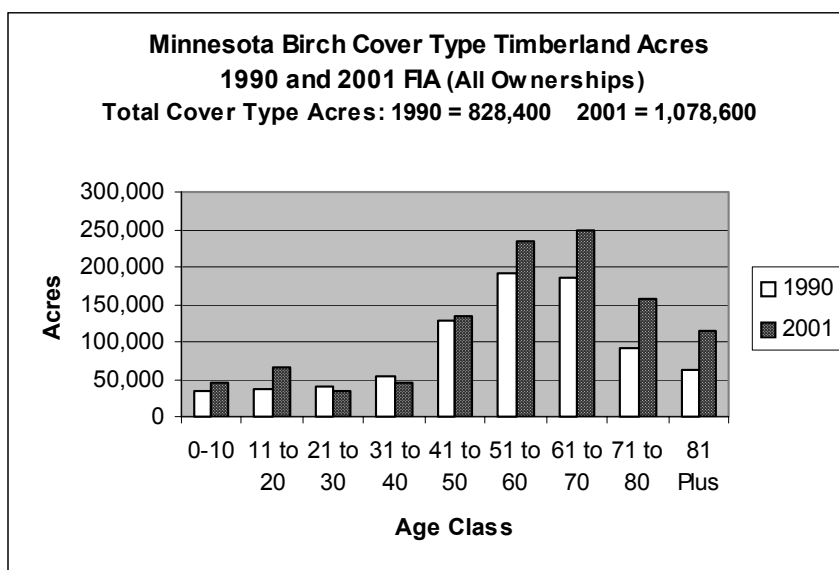
The volume drop is likely caused by several factors, including more of the cover type being in the very young age classes (containing little or no merchantable volume) in 2001, and also due to many of the unharvested older stands of aspen that remain containing lower volumes per acre. In fact, average volume per acre of stands greater than 40 years of age dropped around 13 percent, from 21.6 cords in 1990 to 18.8 cords in 2001.

Aspen and balm volume contained in other cover types has undergone a significant drop from 1990 to 2001 as well. Aspen and Balm volume contained in all other cover types fell from over 13 million cords in 1990 to just over 10 million cords in 2001, which is greater than a 20 percent drop.

In a nutshell, there is aspen out there, but much of it is likely to be found in lower volume stands, which is tough on efficiency of loggers and mills. No surprise here to anyone in the business.

The Birch Resource

The chart below shows age class distribution of the birch cover type in 1990 and 2001. Probably of greatest note are two things: The increase of over 20 percent in birch cover type acreage, and the extreme age class imbalance. This is clearly an old resource, in need of management. Why the increase in cover type acreage? As with aspen, part of the difference is probably due to small changes in survey design and normal statistical variance. The data does support an on-the-ground change: Many older mixed aspen-birch stands probably had only the aspen harvested, so birch has become the species of predominant volume in some stands that were classified as other cover types in 1990.



Average volume in the birch cover type has been dropping as the type ages. Total volume of all species averaged 17.7 cords in 1990. By 2001 the average volume had slipped to 14.8 cords - a 16 percent drop. There was a bit more total volume in the birch cover type in 2001 due to increased cover type acreage, but stands contained less volume per acre.

Birch has been a neglected resource for too long in Minnesota, but markets are improving as some larger mills widen their species use to include some birch. This should help greatly. I believe we also need to spend more effort in improving our ability to consistently regenerate birch stands.

Aspen and Birch are all we have room for in this issue. Stay tuned for more forest resource trend information in a future issue.

Educational Opportunity: Kiln Drying Short Course

Designed to provide basic training for dry kiln operators and supervisors, but anyone wanting to learn more about kiln operation and wood-moisture relations is encouraged to attend. Dates: August 11-14. Location: U of MN, St. Paul Campus. For more info: Harlan Petersen at 612-624-3407 or email harlan@umn.edu



WANTED: FOREST PRODUCTS AND EQUIPMENT

Forest Products and Equipment Wanted

- WANTED Used Weasels (military name M-29) used in logging 30-40 years ago. Contact: Bob Massengale, 914 Westwood Drive, Jefferson City, MO 65109; Phone: (573) 635-5030.
- WANTED Tree planter, 3 pt or crank axle. Contact: Gale Gabriel, W20102 Irvins Coulee Rod, Whitehall, WI 54773; Phone: (715) 985-3342 or (507) 429-2191; Email: Gabriel@triwest.net.
- WANTED Scragg Mills & 6 knife chip-pacs. Contact: Bob Montgomery, RA Montgomery & Co; Phone: (610) 678-5703; Fax: (610) 678-5955; Email: ramco@juno.com.
- WANTED Two blade edger, with or without power. Contact: Robert Sawatzky, 7976 S Agency Estates Dr., Walker, MN 56484.
- WANTED Contracting to purchase: Balsam poplar buds, highbush cranberry bark, skunk cabbage root, calamus root, pipsissewa herb, slippery elm bark, wintergreen herb, partridge berry herb & other medicinal plants. Contact: Tony Hayes, Ridge Runner Trading Co., Inc., PO Box 391, Boone, NC 28607; Phone: (828) 264-3615; Fax: (828) 262-3605; Email: herbalogic@yahoo.com.
- WANTED 6/4 low grade AD or KD poplar lumber. Contact: Bob Montgomery, RA Montgomery & Co.; Phone: (610) 678-5703; Fax: (610) 678-5955; Email: ramco@juno.com.



FOR SALE: FOREST PRODUCTS AND EQUIPMENT

Forest Products For Sale

- FOR SALE Logs: black ash, white ash, black cherry, basswood, sugar maple, red maple, red elm, red oak, white oak, & birch. Contact: Dave Medvecky, Big-Woods Tree Farm, 3239 285th Ave NE, Isanti, MN 55040; Phone: (763) 444-4840.
- FOR SALE (1) 5000 BF birch v-groove paneling, KD, 4-5-6" widths, 8' lengths, .75/ lin ft., (2) 500 BF birch clear boards, KD, 8', S2S to 15/16", \$2.00/ BF. Contact: Doug Leitheise, Dougs' Timber Consulting, 32612 205th Street, Rochert, MN 56578; Phone: (218) 847-1432.
- FOR SALE 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 (800) 526-5110; Fax: (218)276-2352; Email: pagehill@citlink.net.
- FOR SALE (1) Custom softwood pallet stringers & deck boards, (2) Crate & box components. Contact: Scott Talbot, Talbot Lumber Co., Inc., PO Box 700, Osseo, MN 55369; Phone (763) 315-3131; Fax: (763) 315-3140; Email: Talbot@talbotlumber.com.
- FOR SALE (1) Northern white cedar house & cabin logs, peeled & seasoned or fresh cut, various sizes - fence post to large logs, (2) Benches, bars & fireplace mantels. Contact: Jim Parson, Parson Log Homes, PO Box 412, Big Falls, MN 56627; Phone: (218) 276-2321; Email: jparson@citlink.net.
- FOR SALE (1) Northern white cedar components, 3"x 3", 4"x 4", 2"x 6", (2) Northern white cedar full & half logs, 6", 8" & 10", stack height. Contact: Clayton Huddleston, Indus Industries, Inc., 2195 Co. Rd. 83 W, Birchdale, MN 56629; Phone: (218) 634-2270; Fax: (218) 634-2270; Email: iindustrees@aol.com.

- FOR SALE (1) Salvaged Douglas fir or southern yellow pine timbers custom-sawed; (2) Douglas fir millwork, baseboards, etc. Contact: Ken Peter, Timber Ridge Custom Woodworking, 3703 Hautala Rd, Cloquet, MN 55720; Phone: (218) 879-6665; Email: kimbah4@msn.net.
- FOR SALE (1) Oak & maple 2-6000 bd.ft. 4/4 “ 6-14” widths \$2-\$3, (2) Black walnut 4/4, up to 12” width, 4-500’ \$3, (3) Many other hardwoods in 100-200 BF quantities, \$2-\$3, (4) Basswoods chunks for wood carving, \$1-\$3. Contact: Dan Zielske, 11350 230th St. W, Morristown, MN 55052; Phone: (507) 685-2169.
- FOR SALE (1) Northern white cedar cabin logs – 8’, 12’ & 16’ lengths, (2) Posts 2”-5” x 8’ lengths, (3) Chainsaw carving & shingle blocks, (4) Fireplace mantels, (5) Square stock 3”-6” x 8’ long, (6) Rough sawn lumber, 1/2”, 1”, 2” x 8’ lengths. Contact: Duane Maki, 36591 County Rd. 39, Deer River, MN 56636; Phone: (218) 246-8738; Email: makidm@paulbunyan.net.
- FOR SALE (1) Pine squares, ties, cants, rough & surfaced lumber, (2) Tongue & grove paneling 8-10’ lengths only, wholesale inquires welcome. Contact: Brad/Todd Maus, Maus Sales Inc., 1163 Co. Rd. 6 NW, Baudette, MN 56623; Phone: (218) 634-2865; Fax: (218) 634-1600; Email: maussales@wiktel.com.
- WANTED Thinning of standing pines (40’-45’ tall). Four rows of pine trees need to be thinned, trees are less than 4’ apart. Two inner rows need to be removed w/some minor thinning on the two outside rows. Average tree diameter is 4-12”. A total of 200-250 trees to be removed. Property in Benton County, field roads close by. Contact: John or Carol Schimnich, PO Box 39, Foley, MN 56329; Phone (320) 387-2366 or (866) 387-2366; Email: stcusa@cloudnet.com
- FREE Logs – Tree service owner has basswood, boxelder, elm, poplar, evergreen & miscellaneous logs. Free if you pick up, will deliver for a small charge (located north Ramsey County). Contact: Dick Moga, Moga’s Tree Service, 60 West County Rd J, Shorview, MN 55126; Phone: (651) 484-3262.

Equipment For Sale

- FOR SALE (1) Boiler- 4’ x 8’ x 8’ 25 HP. Low-pressure steam or water. Burns dry sawdust & shavings through a stoker & blower (retubed & insulated 1993). System w/condensate tank, pump, stoker, holding bin, 2 shop heaters, misc. steam pipes, valves & traps. Equivalent to one million BTU’s. Maintenance records & setup available. \$9,950.00, (2) Dust collector 30 hp w/cyclone & bags. Includes delivery system to upright holding bin w/unloading auger. Bin holds 1 semi-load of shavings, some misc. pipes. \$4,950, (3) Rip-Mate return conveyors for scragg saws & gang saws. Specifically for lumber, no rollers or rubber bands, (4) Verti-Cart production cart w/multi-level storage. Contact: Mike Preuss, Edge Equipment Inc., PO Box 184, Belview, MN 56214; Phone: (507) 938-4130; Fax: (507) 938-3000; E-mail: p14@Rconnect.com.
- FOR SALE (1) Brewco end dogging scrag, (2) Mobark “Portapac” sawmill, (3) Mobark 636 debarker, (4) Precision debarker, (5) CMC double end trimmer, (6) Lauerdale Hamilton Super-Chop pop-up trimmer, (7) Newman & Hazelton chamfering machines, (8) Cornell double arbor resaw w/cut-up system, (9) Cornell 500-B w/cant sizer, (10) Cornell remote trim saw, (11) Cornell 42” blower w/30 hp drive, (12) Cornell linebar resaw, (13) Cornell cant sizer, (14) Pendu diesel powered M5000 gangsaw w/log cabin tooling, (15) Pendu double arbor resaw w/cut-up system, (16) Brewer gang saws (17) Wilson 4 strand unscrambler w/Corley pkg. deck, (18) Stake pointers, (19) Arasmith whole pallet grinder, (20) Woodpower grinder mod T-60, (21) Morbark waste recycler, (22) Williams C-32 NO-Nife hog, (23) Hempstead low speed whole pallet grinder. Contact: Bob Montgomery; Phone: (610) 678-5703; Fax: (610) 678-5955; E-mail: ramco@juno.com
- FOR SALE (1) Atlas hand filer, (2) Atlas grinder, (3) Atlas spider gauge, (4) Atlas stationary grinder (5) Atlas saw worker (leveling & tensioning modification for Armstrong stretcher roll, (6) Atlas saw hammering bench, (7) Saws made to order, (8) Saw hammering supplies. Contact: Casey @ Seneca Saw Works, 3843 Main St, Burdett, NY 14818; Phone: (607) 546-5887; E-mail: casey@senecasaw.com.

- FOR SALE (1) Cornell blowers, edgers, trimmers, notchers, slabsaws, log clearers, unscrambler, decks (2) Valby chippers (3) Farmi skidding winches (4) Hitachi power tools & chains (5) Patz conveyors & belts (6) Lacey-Harmer laser lights (7) Danco rip saws (8) Webster vibrating conveyors (9) Jonsered chainsaws (10) Dixon sawmills, edgers, conveyors, log turners, hydra-dogs, pallet notchers, debarkers, slab edgers, trimsaws, decks, rollcases, small hydraulic loaders & trailers, trailers w/loaders for 4 wheelers (11) Safe-T-Shelters storm shelters, (12) Bark processing plant, (13) Circular sawmills/three different sizes, (14) Edgers, two sizes, (15) Log turners, (16) Belt & chain conveyers, (17) Rollcases, (18) Hydra-Dogs, (19) Pallet notchers, (20) Debarkers, (21) Multiple saw trimmers, (22) Custom-built decks. Contact: Rusch Equipment Sales, 400 Rusch Rd., Antigo, WI 54409; Phone: (715) 627-4361; Fax: (715) 627-4375.
- FOR SALE Woodmizer LT 40 HDE Super Hydraulic sawmill, infeed log deck, edger, shadow line, racks, cant/tie sorter, price \$19,500 OBO. Additional option: HMC debarker, (\$3,000 in repairs) \$10,000 OBO. Contact: Jeff Lamb, Lamb Kilns, 17096 State Hwy 33, Ontario, WI 54651; Phone: (608)337-4505; Fax: (608) 337-4505; E-mail: jlamb2@centurytel.net.
- FOR SALE (1) 2000 JD 640G II, (2) 1999 JD 648G II, (3) 1997 JD 548G, (4) 1996 JD 648G, (5) 1996 Franklin 170XL Grapple, (6) 1996 TJ 460 Dual Arch, (7) 1995 JD 648E, (8) 1994 JD 648E, (9) 1990 TJ 450B Grapple, (10) 1985 JD 440D Grapple, (11) 1998 JD 344G w/bucket & fork, (12) 1989 JD 644E w/ forks, clamp & bucket, (13) 2001 TJ 1270C Harvester/processor, (14) 1997 TJ 610 pre-hauler w/boom, (15) 1998 Hydra Ax 511 EX 2/Koehring 20" sawhead, (16) 1997 JD 643 w/Koehring 20" sawhead, (17) 9196 Bell Super T 2/30" bar, (18) 1998 Prentice 180E, electric pedestal mount, (19) 1995 Prentice 180D w/saw-buc, (20) 1994 Prentice 210D w/aux. hydra, (21) 1986 Ford 8000 w/k-boom, (22) 1989 Mac Tri-Axel w/Barko 80, (23) 1989 Ford 8000 tandem w/Barko 80 extend-a-boom (24) 1998 JD 344G rubber tired loader, (25) 1990 JD 644E w/ac, forks & clamp, (26) 2000 JD 640G II cable, (27) 1985 JD 440 C cable, (28) 1998 JD 648G, (29) 1997 JD 548G, (30) 1995 JD 648E, (31) 2001 TJ 1270C processor, (32) 1998 Hydra-Ax 511 EX w/Koehring 20" sawhead, (33) HMC debarker w/cag, deck & barn sweep, (34) Precision 58" chip-pac, (35) Corley auto sawmill, (36) JD series 4000 winch, (16) Low Boy 12 ton 24' w/dove tail & ramps, (37) 1997 Corley 3 H.B. automatic mill, complete debarker though chip-pac. Contact: Weber Forest Machinery; Phone: (615) 373-8809; Email: web4mach@aol.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, (4) Transmissions, (5) Tires. Contact: Schaefer Enterprises of Wolf Lake, Inc, PO Box 136, 4535 State Rt. 3 N, Wolf Lake, IL 62998; Phone: (800) 626-6046 or (618) 833-5498; Fax: (618) 833-7765; E-mail: parts@sewlparts.com/www.sewlparts.com.
- FOR SALE Cable skidders:(1) 1969 C4 TF P.O.R., (2) 1979 540B, JD, overhauled eng \$16,500, (3) 1970 440A JD \$8,500, Grapple skidders: (4) 1993 518C cat, new trans \$49,000, (5) 1987 666 Clark, flotation tires \$22,000, (6) 1989 170XL Franklin, 6cyl Cummins \$20,000 (7) 1991 450B TJ, Cummings eng \$20,000, (8) 1979 540B JD, 28Lx26 tires \$19,000 (9) 1984 540B JD, 640 rear ends, 28Lxx26 tires \$25,000, (10) 1986 648D JD, dual function \$29,000, Crawlers: (11) 1995 D3CLGP, new undercarriage \$33,000, (12) 1990 650G, 6-way blade \$39,500, (13) 1987 D4HLDP, 6 way blade, encl.cab \$31,000, Knuckle boom loaders: (14) 1987 210C 6 cyl JD slasher pkg \$27,000, (15) 330 TJ self-propelled, diesel, 5,265 hrs \$33,000, (16) 1997 Prentice F90T on 1989 Lufkin trailer \$15,500, (17) Prentice 90 on tandem truck, 19' bed \$9,500 (23) 1987 XL 175 Husky \$15,500, Trucks: (24) 1998 Peterbilt, 470 Detroit, 18 sp. \$36,000, (25) 1995 Peterbilt, 400 Cummins, 9 sp \$18,000, (18) 1978 GMC 2 ton w/hydr hoist, flatbed dump \$4,500, Delimbers: (19) 1981 743 JD \$15,000, (20) Siiro delimeter/slasher \$7,000, (21) 1985 125B Case w/3000 Denis \$30,000, (22) 1990 Komatsu PC200LC w/350 Denis \$47,000, (23)

1995 CAT 320 w/3500 DT Denharco \$79,000, (24) Cat EL200 w/Limmit 2000 \$65,000, (25)1999 JD 200LC /453 Pro Pac \$110,000, Feller-Bunchers & Shears: (26) 1979 Drott 40, shearhead \$17,000, (27) 1978 Drott 40, JD eng \$13,000, (28) 1986 490 JD, w/20" timber shearhead \$29,900, (29) 1993 T445 Timbco, w/22" Quadco sawhead w/side tilt \$125,000, (30) 1988 JD 643D \$17,000, (31) 1992 643D JD w/18" sawhead \$39,000 (32) 1993 Risley Black Magic w/Risley sawhead \$110,000, Wheel loaders: (33) 544B JD \$15,500, (47) 1979 544B JD \$18,500, (48) 1979 544B JD \$19,500, (49) 1981 644C JD \$28,000, Miscellaneous: (50) 1979 Bobcat 731skidsteer loader \$6,700, (34) 1991 Bobcat 853 skidsteer loader \$9,500, (35) Dacwoo G25S-2 1 P forlift, gas, side shift, 188" lift, pneu tires \$8,000 (36) 1986 Hyster LP forklift, gas \$1,700, (37) CAT V80D 8,000# forklift \$6,500. Contact: Richard or Cam Hardwig, Northern Timberline Equipment, Inc, 6000 County Rd. 8, Littlefork, MN 56653-9132; Phone: (218) 278-6204; Fax: (218) 278-6716.

- FOR SALE Electric Motors; (1) Delco 100 hp, (2) Allis-Chalmers 30 hp, 117 rpm, (3) US Electric 30 hp, (4) Brooks 20 hp, (5) Asay 25 hp, (6) Reliance 7.5 hp, (7) Pacemaker 75 hp, Electric motor starter; (8) #2 & #4 combination starter, (9) Lincoln welder 400 amp, (10) Transformers; 10 kva 440 to 110, Electric hoists; (11) Budgit 1 ton, (12) CM load star 3 ton, (13) Tugit 1 ton, Axels; (14) 2 31/6"x 3' w/new pillow blocks & 6" taper lock wheels, (15) 21/2"x4' w/new pillow blocks & 8" taper lock wheels. Contact: Lyle Hietala, Hietala Lumber & Sauna, 4565 Hult Rd., Aurora, MN 55705; Phone: (218) 638-2848; Fax: (218) 638-2848.
- FOR SALE (1) 1994 160A Barko loader w/60" Siro slasher mounted on 1974 International truck, (2) 1970 1150B Case crawler – 6 way blade, hydrostatic drive, power shift, (3) Barko 40 center mount loader. Contact: Gene Olson, Olson Logging, 839 17th Ave So, St. Cloud, MN 56301; Phone (320) 229-0584 or (218) 694-2508.
- FOR SALE (1) 1980 TJ 350 cable skidder \$9,500, (2) 1980 TJ 380 cable skidder \$9,000, (3) TF C5D forwarder \$13,500, (4) TF C6D forwarder \$17,500, (5) Barko 40 loader, A frame \$2,200, (6) Drott 40B w/boom delimber \$6,000. Contact: John Eliassen, Jr.; Phone: (218) 387-2225.
- FOR SALE (1) Freeborn shaper-cutters w/v-joint paneling sets, starting at \$270.00, (2) Cope & pattern sets \$180, (3) Lignomat moisture meters \$86.95. Contact: Steve Riess, Riess Wood Supply, 1314 Hwy 53, Cotton, MN 55724; Phone: (800) 465-7596; Fax: (218) 482-3664; Email: riessws@aol.com.
- FOR SALE Vertical edger designed to mount on various makes of sawmills. Contact: Jackson Lumber Harvester Co., Inc., 830 N State Rd 37, Mondovi, WI54744; Phone: (715) 926-3816; Fax: (715) 926-4545; Email:info@jacksonlbrharvester.com, Web: www.jacksonlbrharvester.com.
- FOR SALE (1) 1999 TJ 460 grapple log skidder w/cab heat & air, 1 set of bear claw chains 600 hours, (2) 1998 CTR feller-buncher w/24" inch saw bar, bear claw chains, extra saw chains, bar & chain grinder, 619 hours, (3) 1995 Kenwood T800 truck, (4) 1985 Fountain rail trailer, w/eight log bunks, (5) 1996 Serco 7000 loader. Contact: James Rowland, Siouxland Timber Products, 1110 2nd St. Rogers, NE 68659; Phone: (402) 614-5698 or (402) 615-1236.
- FOR SALE JD 643-D feller buncher w/ 20" Cameco sawhead, 23.1-26 duals, newly reman. engine July 02. Contact: Dale Erickson, Erickson Timber, 1801 Hwy 72, Baudette, MN 56623; Phone: (218) 634-2599 or (218) 634-2372-evenings; Email: ericksontimber@wiktel.com.
- FOR SALE Complete wood or biomass heating systems including fuel preparation, storage, 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 and 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.



Services and Miscellaneous

- WANTED Lumber sales person who can work independently selling soft wood lumber & panel products to mfgs. If you have 2 or more years experience in this field, and have good customer following, please send your resume to the attention of Scott Talbot, Talbot Lumber Co., Inc., PO Box 700, Osseo, MN 55369; Phone: (763) 315-3131; Fax: (763) 315-3140; Email: stalbot@talbotlumber.com.
- SERVICES (1) Trouble-shooting, calibration & training on moulders, planers, saws, (2) Training in calibration of moulders, planers, sanders, saws in your shop, (3) Design & build automated material handling equipment. Contact: Mike Preuss, Edge Equipment, Inc., PO Box 184, Belview, MN 56214; Phone: (507)938-4130; Fax: (507) 938-3000; Email: P14@rconnect.com
- SERVICES Saw hammering, welding, troubleshooting, consulting & sawmill alignment, saw tensioning or trouble shooting training & seminars available.
Contact: Casey @ Seneca Saw Works; Phone (607) 546-5887; Email casey@senecasaw.com or www.senecasaw.com.
- SERVICES We are representatives of Timberland Machinery, mfg. of the "Big Jake Scrag". Contact: Bob Montgomery, RA Montgomery & Co; Phone: (610) 678-5955; Email: ramco@junco.com.
- 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 Reconditions (1) Montgomery Hog teeth, anvils & rings, (2) Zeno grinding machine cutters. Contact: G&G Repair, 9407 Main S.E., East Sparta, OH 44626; Phone (330) 866-9764; Fax: (330) 866-5225; Email: <http://www.GGRepair.com>.
- SERVICES Custom cutting of dimension lumber or boards cut to length, ripping, or resawing. Cutting of panel products yours or ours. Contact: Scott Talbot, Talbot Lumber Company, Inc., PO Box 700, Osseo, MN 55369; Phone: (888) 881-9663 (763) 315-3131; Fax: (763) 315-3140; Email: talbot@talbotlumber.com.
- SERVICES Timber frame homes built from re-sawn, salvaged douglas fir beams. Contact: Ken Peter, Timber Ridge Custom Woodworking, 3703 Hautala Rd., Cloquet, MN 55720; Phone: (218) 879-6665; Email: kimbah4@msn.net.
- SERVICES On-site repair and rebuilding of lumber planers, flooring machinery and moulders. Trouble-shooting and training service. Contact: Larry Holtz, Midwest Planer Service, N 462 Robin Drive, Stetsonville, WI 54480; Phone: (715) 678-2080; Email: midwestplanerservice@excite.com

DNR Forestry Utilization & Marketing

Services:

Provide information and analysis about Minnesota's forest resources, provide information about improving utilization of wood resources, wood residue use and availability, promote markets for underutilized species, provide marketing help through the publishing and maintaining of forest product directories, the MarketPlace Bulletin, and through one to one contacts, and promote rural economic development through partnerships with various agencies and groups.

Staff (Staff other than Keith Jacobson spend only part of their time on U&M):

Keith Jacobson, St. Paul; 651-296-6491; E-Mail: keith.jacobson@dnr.state.mn.us

Rick Dahlman, St. Paul; 651-296-6502; E-Mail: rick.dahlman@dnr.state.mn.us

Lynn Mizner, Aitkin; 218-927-7511; E-mail: lynn.mizner@dnr.state.mn.us

Jeff Edmonds, Bemidji; 218-755-2894; E-Mail: jeff.edmonds@dnr.state.mn.us

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Steve Vongroven, Mora RC&D Office; 320-679-5860; E-Mail: steve.vongroven@dnr.state.mn.us

DNR Forestry Timber Auctions Sales

Date	Auction Type	Sales Name	Location
05/19	Regular	Aitkin County	Long Lake Cons. Ctr. Palisade
05/19	Intermediate	Aitkin Area	Long Lake Cons. Ctr. Palisade
05/21	Regular	Itasca/St. Louis/Koochiching Co	Ironworld
05/21	Intermediate	Hibbing Area	Ironworld
05/28	Regular	Pine/Kanabec Counties	Rutledge Community Center
05/28	Intermediate	Hinckley/Cambridge Areas	Rutledge Community Center
05/29	Regular	Beltrami/Cass/Hubbard/Itasca Co	Bemidji Area Forestry Office
05/29	Intermediate	Bemidji Area	Bemidji Area Forestry Office
06/03	Intermediate	Orr/Tower Areas	Orr City Hall
06/03	Regular	St. Lous/Lake/Koochiching Co	Orr City Hall
06/04	Regular	Itasca/Cass/Koochiching Co	Bigfork City Hall
06/04	Intermediate	Deer River/Effie Areas	Bigfork City Hall
06/05	Regular	Lake of the Woods/Koochiching Co	Baudette Area Forestry Office
06/05	Intermediate	Baudette Area	Baudette Area Forestry Office
06/06	Regular	Cass County	Backus City Hall
06/06	Intermediate	Backus Area	Backus City Hall
06/11	Regular	Beltrami/Koochiching/Itasca Co	Blackduck Senior Center
06/11	Intermediate	Blackduck Area	Blackduck Senior Center
06/13	Regular	Beltrami/Kittson/LOW/Marshall/ Pennington/Roseau Co	Warroad City Hall
06/13	Intermediate	Warroad Area	Warroad City Hall
06/17	Regular	Lake/St. Louis Co	Two Harbors DNR Office
06/19	Regular	Aitkin/Pine/Carlton Co	McGrath Forestry Office
07/15	Intermediate	Park Rapids/Detroit Lakes Area	Park Rapids Envir. Education Bldg.
07/16	Regular	Crow Wing/Cass Co	Brainerd DNR Office
07/16	Intermediate	Brainerd Area	Brainerd DNR Office
07/22	Regular	Aitkin/St Louis/Carlton/Itasca (xmas tree)	Downtown Fair Ctr, Floodwood



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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