

THE VOICE OF THE TIMBER INDUSTRY

TIMBER BULLETIN

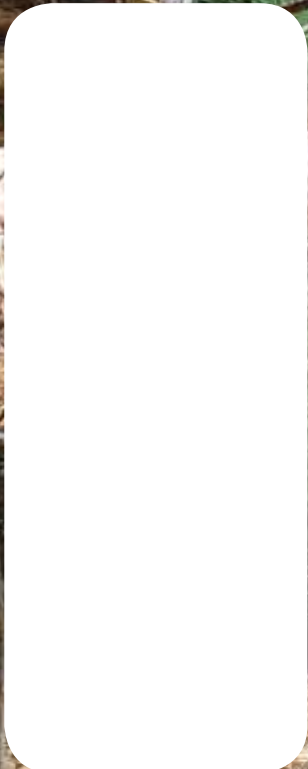
DULUTH, MINNESOTA

MAY/JUNE 2012

VOLUME 67

A yellow logging machine is shown in a forest, cutting through a large log. The machine's arm and blade are visible, and a large log is being processed. The background consists of pine trees and branches.

**Doing His Own Thing:
Pittack Logging**
TPA Annual Meeting
**TPA's 75th Anniversary:
Mechanization Meant
A Safer Industry**



TIMBER BULLETIN

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ON THE COVER

A cut-to-length processor on Scott Pittack's job harvests pine near Embarrass. For more on Pittack Logging, please see page 8.

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Minnesota
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Get involved, the world is run by those who show up. We have all heard these words before but have you really thought about it? If you have a problem or a concern, it is one thing to talk to someone, but you should talk to someone who has the ability to affect change. TPA has helped members and industry with many issues. These were dealt with by those who showed up and got involved. We welcome Curt Benson to the executive

President's Column



committee, Brian Bignall, Stuart Dukek, Dale Gessell, Brady Hasbargen, Lyle Hodgden, and Paul Stangler to the board of directors. Thank you to all who

showed up, committee members and their chair person, board of directors, executive committee, and TPA staff.

This being my last column I would like to welcome Kit Hasbargen to the president's seat. I am sure he will do a great job. It has been a real experience to be involved in all of the issues, many of which were new to me and some seem to be the same old battles we continue to fight. Thank you for the opportunity to serve on the executive committee. Log safe and smart.

Mike Warren

Executive Committee

Mike Warren: 218-244-5722
Kit Hasbargen: 218-634-1628
Scott Pittack: 218-259-8148
Dave Berthiaume: 218-380-9783
Mike Rieger: 218-244-8572

TPA Staff

Ray Higgins: 218-722-5013
Wayne Brandt: 218-722-5013

Wanted: Vintage Equipment

To celebrate the 75th Anniversary of TPA, we'd like to display some vintage logging equipment at this year's North Star Expo. Whatever you have would be great to put on display, from saws or other smaller items, all the way to larger equipment, trucks, etc.

This year's Expo is September 14 and 15 at the Itasca County Fairgrounds in Grand Rapids.

If you have something you'd like to display, call the TPA office at 218-722-5013.



(L-R): Lisa, Lowell, Joe, and Scott Pittack mount the cab of Lowell's 1930 Ford Model AA truck that he's restoring to be displayed at the 2012 North Star Expo in honor of TPA's 75th Anniversary.



Ed Hedstrom restored this vintage dray and brought it to be displayed at last year's Expo.

I always find interesting items as I read from various sources. The *Northern Logger* had some interesting information in their June issue. They reported that the worldwide prices for both conifer sawlogs and pulpwood were continuing to fall. Citing the Wood Resource Quarterly they reported that sawlogs fell for the third consecutive quarter. They also reported that pulpwood prices had been falling worldwide since last fall.



Floods and Fires. Our hearts go out to the communities impacted by floods here in Minnesota. From

**Executive Vice
President's
Column**



Cannon Falls to Moose Lake, Barnum, Cloquet and other Carlton County communities, Duluth and up the North Shore torrential rains caused flooding that will take a long time to recover from. At the same time Colorado and much of the West is on fire - again. In Colorado the anti-harvesting crowd and the US Forest Service combined to drive the forest products industry out of the state. The last sawmill there is soon to be auctioned off by a bankruptcy court. Colorado forests have been decimated by the mountain bark beetle leaving huge swaths of dead timber waiting to burn. And now the fires come with their untold human, economic and environmental cost. You have to wonder if things could have been different. If the mills weren't run out of the state maybe some of these vulnerable acres could have been salvaged - particularly in and around the communities that are now being ravaged by fire. Let's hope some lessons have been learned.



The State Legislature adjourned in May after completing its work on time. The logging equipment exemption from the biodiesel mandate was extended for three

years and a new exemption for Number 1 diesel from October through March was also enacted. The bonding bill included \$2 million for forest roads and \$2.5 million for reforestation.

At the end of the session staff from the Board of Water and Soil Resources (BOWSR) had gotten a provision inserted into a bill that would have infringed on all exemptions, including the silvicultural and forest roads exemptions. We were successful in having this language stripped from the bill. If you ever wonder why we spend so many days at the Capitol during the session that's why. If we're not there we're not going to have an impact for TPA members and the forestry community.

The most far-reaching legislation passed this year clarifies the direction of the DNR's management of Permanent School Trust Fund lands. The DNR, which will continue to manage these lands, has made significant changes already in the management direction for these lands. These changes are embodied in the Operational Order issued by Commissioner Tom Landwehr earlier this year.

The legislation mirrors the Operational Order in language that clarifies that generating economic returns to the Trust is the primary responsibility for managing these lands. It also clarifies, as does the Operational Order, that if there are any conflicts, that economic returns shall be given precedence. The new legislation sets up some additional oversight with Trust Fund Lands Director and eliminates charging the Trust Fund for fire suppression. Significantly

it also requires that the Trust be compensated prior to any lands being placed into non-revenue producing designations such as SNA's, parks or old growth.

There was a lot of heavy lifting done to get this passed and signed into law. I believe it will be one of the most positively significant pieces of forestry legislation passed in many years.



The DNR has released its new statewide ruffed grouse management strategy. As part of the strategy they are seeking to have 65% of DNR hardwood stands in younger age classes. The plan describes "younger" as being seedling, sapling or pole sized wood. A big thank you to the Department for recognizing the need for young forest habitats and embodying them in their strategies.



Anybody in Duluth that wasn't thinking about safety during the flood was probably sleeping. The severe damage caused by the flood was unexpected. But, the rain that caused it was predicted - expected if you will. No one expects to get injured on the job. But we can predict many of the causes: not maintaining three points of contact getting on and off of equipment, repetitive motions, inattention to hazards and many more. Let's all take a minute with our employees to review the causes of injuries so we can prevent the unexpected injuries.



(L-R): Scott Pittack, Joe Pittack, and Jason Gillhousen of Pittack Logging.

Doing His Own Thing

Bovey's Scott Pittack of Pittack Logging stays focused on managing the land and the forest.

by Ray Higgins

It's early May and Scott Pittack has brought his logging crew to 112 acres of mostly red pine, but also some spruce, balsam, aspen, birch, and jackpine, just northwest of Embarrass. For Bovey-based Pittack Logging, it's a long way from home.

"This is pretty much as far away

as we get," Pittack says. "We've cut as far away as Orr, but that was about 15 years ago. We're 80 miles from home so that's not horrible. But we're 150 miles from Potlatch, the longest haul."

But it's worth it. For one thing, the ground is good, mostly sand. And the land has never been harvested, so this is the first harvest.

It belongs to Ken Armbruster, who lives in the Twin Cities.

The land has been in his family for around 90 years. In fact, his grandfather homesteaded just down the road. When Ken had a chance to buy it from an uncle in 1970, he jumped at the chance. Now 40 years later, he says it's time to harvest.

"There's really good wood on this site," Pittack says. "Ken's seeing some of it hit the ground and he wants to recover as much as he can

out of it.”

The 112 acres includes 12 acres of red pine plantation, planted around 1960. That part will be thinned, as will much of the rest of the site. In all, Pittack figures there are 2000 cords or more here.

“We’re just taking the jack pine out of the red and white pine,” he says, “and then we will do some thinning on the natural stuff, too.”

One challenge is the terrain. It’s rugged and rocky, which makes road building a challenge.

“It’s not what we’re used to.” Pittack says with a chuckle. “We’re used to clay.”

That they’re conducting active harvesting operations in early May is uncommon. Usually spring road restrictions are still in effect this time of the year. But it’s been a dry winter and spring – the heavy rains that hit the region in late May and June haven’t yet arrived – so the Pittacks are already on their third job since the end of break-up.

“Usually we’re just getting started about this time,” Pittack says. “We’re usually putzing around with stuff close to home, right on a 10-ton road, that sort of thing.”

The company utilizes cut-to-length equipment, a good fit for this red pine/jack pine sale that includes a lot of thinning. The Pittacks made the switch from a conventional operation to cut-to-length in 1995, when Scott’s father Lowell ran the business. Several factors entered into that decision-making process.

“At that time it was just a continual battle with smaller tracts, and smaller landings,” Pittack says. “That’s when everything started transitioning into focus on the environmental impact. So it just made sense for us. Plus, we struggled at that time finding people to work for us. And Blandin was encouraging folks to go in that direction. That’s what got us looking at it in the first place. And then once we learned more about and saw more of it, then it made sense for us.”

Pittack also thought cut-to-length was going to be the wave of the future.

“I figured conventional was going to be a thing of the past, except for certain sites,” he says. “Now having been in it, there’s certainly a place



Scott Pittack thins red pine with a John Deere 1270E harvester.

for the CTL and there’s definitely a place for conventional. There are certain situations where cut-to-length just isn’t going to work, and vice versa. Extremely big timber and that type of thing. There are CTL machines out now that will handle that big stuff. We’ve chosen to stay more in the thinning end of it.

Pittack operates the harvester, a John Deere 1270E, while Jason

Gillhausen – a Pittack family friend before he joined the company – runs the Deere 1110E forwarder. Scott’s son Joe also works full time, operating the harvester when his dad is otherwise occupied, and also drives truck.

Joe does much of the hauling, with Scott’s uncle Bob Pittack helping out on a part-time basis. Scott and Joe – who also graduated from the same diesel mechanic’s



Pittack logging utilizes a John Deere 1110 forwarder, operated by Jason Gillhausen.

program as his dad – do as much of the maintenance as they can handle. And Scott's wife Lisa does the books and handles the office work. That's a small operation, just the way Pittack likes it.

Scott's vision for the operation is to have a crew that's able to operate any of the trucks and equipment. Being a small crew this is a must to keep the wood moving.

"I kind of focus on efficiency," he says. "I try to keep just absolutely as efficient as we can. We do a lot of hot loading, we pile as little as possible. We put it right on the trailer and go. We'll always stockpile to a certain extent, because as it comes out of the woods we may not have a big bulk of one certain species. But if we have a choice to put it on the trailer or put it on the ground and handle it again, we'll put it on the trailer. It just makes sense.

"We still do use a tree-length skidder too, if we're pulling Bell Poles or house logs or something like that. And we do that a lot in the wintertime with big gnarly, burly aspen. Most of the time we can fall it, it's just the limbs we use a chain saw on. The real big stuff that's actually too big for the machine, rather than tear the machine up, we'll go old school and do the power saw thing.

In fact, hand felling is the way it was done when the business started. Lowell had worked several places, including a truck dealership in Grand Rapids, where he was a partner, as well as some mechanic work. He also worked at a pool table manufacturer in town. But he'd always liked being in the woods and dabbled in cutting wood and tapping trees for maple syrup. So when it was time to make a change, he started Pittack Logging.

Scott was around 10 years old at the time and he helped from the start, every weekend and in the summer.

"I enjoyed it," Scott says. "I grew up hunting and fishing and in the woods, cutting firewood. So logging fit."

After graduating from Grand Rapids High School in 1986, he went to Hibbing Technical college for two years to be a diesel mechanic. From there, he got a job at a trucking



Red pine pulpwood waits on the landing at the Pittack job near Embarrass to be loaded and hauled to the mill.

company in Green Bay, married his high school sweetheart Lisa, and headed east for two years. But he missed the woods near his hometown.

"I was a young guy coming out of school and I wanted to do my own thing," Pittack says. "But it wasn't for me. I missed the woods.

You get kind of used to doing your own thing in the woods. And Dad needed the help."

But the time in Green Bay was time well spent. Not only was Joe born there, but Scott also gained valuable experience as a mechanic, which helps with the business today.



Scott Pittack and landowner Ken Armbruster walk the job site near Embarrass, discussing options on how the timber can be harvested.



Harvested red pine bolts have been loaded on trucks and wait to be hauled to the mill.

"It was a valuable lesson," he says. "No doubt."

These days, Scott is in charge of the operation. Lowell retired in 2003, but still helps out.

"He's still active, he's still watching," Scott says. "He still comes out here. He still runs the crawler and stuff for me, especially in the wintertime. And I still call on his wisdom a lot, just to run stuff by him when we're doing certain things. That's nice to have."

Lowell's wisdom has taught Scott numerous lessons, both in the years they worked together full time, and in the years since.

"I think the biggest thing I've learned from him is to be up front, and to do quality work" Scott says, "and if you have issues, get them resolved and try to be respectful to other people."

"He also didn't like to get carried away. For example, this switching to cut-to-length for us was just a scary huge jump for us. It was a lot of money. I mean you're looking at those harvesters even today, for a small operation, that's a lot to swallow. So that was Dad's biggest thing. Make sure everything's going to work before you do it. Get everything lined up and then go for it."

Among the topics on which

Pittack has needed advice is labor. The region's cyclical mining industry is on the upswing, creating intense competition for skilled workers. That makes it tough on the area's logging companies, including Pittack, to find good help.

"It's a big challenge, to find good woods people or find good people to put in the trucks, it's really tough," he says. Fortunately I have good guys. Jason's been here 13 years, and Joe's a huge asset, so we're in decent shape. And there are always challenges in everything you do. I think things would be dull if there weren't. But right now, personnel seems to be the topic."

Pittack has typically been up to most any challenge he's faced. He was recognized as Minnesota's Logger of the Year by the state's SFI Implementation Committee in 2008, and later that year as Lake States Region Outstanding Logger by the Forest Resources Association.

"That was quite an honor," Pittack says. "It feels good to get recognized, not that it was necessary or I was looking for it, but it was rewarding."

Pittack has also been involved in industry issues through the Minnesota Timber Producers Association, where he's served on

the board of directors, and for the past four years on TPA's executive committee where he serves as the organizations' first vice president. For Scott, the reason to be involved is simple.

"You want to see the industry thrive again," he says. "My son Joe's coming up and he's also pretty gung ho on keeping this company and the industry going. I'll fight for the future for him."

For now, the focus is on the present and this sale. The plantation thinning portion of this sale is about an even split of pulp and bolts. In the natural part of the stand it's well stocked with birch, aspen and declining balsam. The natural rocky hills also contain a fair amount of red, white and jack pine. The wood from this sale will be hauled to nine different mills "which is not uncommon for us. We do a lot of sorting to maximize the value of each tree."

So, Pittack goes about the business harvesting timber, and taking care of his customers, just the way he likes it.

"Being out there and doing your own thing, that's what I like about it," he says. "Working with guys like Ken here, that's rewarding. Managing the land, managing the forest."

Members Gather for Informative Presentations

TPA's Annual meeting was an opportunity for members to hear about the association's accomplishments over the past 12 months, hear from speakers on issues vital to our industry and to the success of our member businesses, and ask questions of all speakers and of each other. Among the topics addressed were the state of the DNR's division of Forestry and Timber Sale program, current enforcement issues as seen by the State Patrol's Commercial Vehicle Enforcement division, and the ongoing revision process of the Forest Management Guidelines.

Annual Report of Association Activities

TPA Executive Vice President Wayne Brandt gave his annual presentation on TPA's activities and accomplishments over the past year. It was a busy year for Minnesota's logging community and for TPA due to a variety of events, including the state government shutdown, the TPA lawsuit against the DNR, the Sandstone area blowdowns, the Pagami Creek fire, the change in the leadership at the DNR Division of Forestry, and the changes to TPA's insurance program.

The year was highlighted by the state government shutdown of 2011 and the resulting lawsuit by TPA members against the DNR. The state sought to halt logging operations on state permits because division of forestry staff couldn't provide oversight during the shutdown. TPA argued the DNR doesn't monitor harvesting on a day-to-day basis anyhow and that logging should continue. An initial ruling favored TPA. A ruling on the DNR appeal went against the loggers, but that opinion wasn't issued until after legislative budget settlement, so effects on logging operations in the state were minimal, thanks to the lawsuit.

Among the political issues Brandt addressed on the state and federal levels:

- Creation of legislative oversight on DNR management of Permanent School Trust Fund Lands
- Bonding
- Interstate truck weights
- Biodiesel Exemption for Logging Equipment
- Streamlining Environmental Review
- Wetland Exemptions

In addition, Brandt outlined a sampling of the other TPA activities of the past year, including:

- Participation in the Forest Management Guideline revision process
- On-going communication with DNR on a variety of issues, including Extended Rotation Forestry and FY2013 timber offerings
- The North Star Expo

Featured Speakers

Among those addressing TPA members at the Annual meeting was **DNR Division of Forestry Director Forrest Boe**, who spoke about his first few months on



DNR Division of Forestry Director Forrest Boe talks about his first few months on the job and his desire to have forestry staff and loggers view one another as partners in managing the forest.

the job after replacing Dave Epperly in the post. Boe said he has a history of finding common ground, which will help in promoting a wise use of the forest resource in Minnesota.

"As I look out at the forestry community," Boe said, "I see a partner. This is a partnership. We can't manage the forest without you and we need to trust each other as partners, and see to it that each other is successful."

Boe said communication is crucial to good partnerships and that communication has to be "early, often, and continuous."

Among the issues the division is addressing are DNR policies on extended rotation forestry (ERF), on high conservation value forests, and a review of policies surrounding timber sales and permits with an eye on gathering input from the logging community.

Also making a presentation to the membership



Lt. Chip Lemon of the State Patrol's Commercial Vehicle Enforcement division speaks to TPA members about enforcement issues as Lt. Mike Theis (R) looks on.



TPA Members listen attentively to presentations at Ruttger's Sugar Lake Lodge during the TPA Annual Membership Meeting.

meeting was the **DNR's Dick Rossman**, talking about the department's **Forest Management Guideline monitoring**.

In all, 84 sites were monitored. The study found overall implementation of the guideless was good, as has been the case in previous reports.

Among the guidelines that were implemented well were those regarding filter strips, coarse woody debris, snag retention, cultural resource protection, and visual quality in several categories. The study saw substantial improvement in following the guidelines regarding leave trees, RMZ's and coarse woody debris.

Among those areas in which improvement is needed are in the guidelines regarding infrastructure, wetland crossings, water diversion and erosion control practices (on approaches, segments, and roads in filter strips), and landing location.

Dave Zumeta, executive director of the **Forest Resources Council**, updated TPA members on the ongoing **guideline revision process** that started in 2010. Zumeta says the council hopes to have the new guidelines published by the end of this year.

Among the preliminary changes are to the guideline regarding infrastructure (allowable roads and landing



(L-R) New TPA board member Brady Hasbargen, incoming TPA President Kit Hasbargen, and Boise's Terry Worthman share a laugh during the social hour before the TPA banquet.



Well-known Minnesota sports author and speaker Ross Bernstein talked about “The Champion’s Code,” during the banquet’s keynote address. Bernstein’s remarks were based on lessons he’s learned while writing books and talking to sports figures including Michael Jordan, Wayne Gretzky, and Bud Grant.

size will be tiered based on harvest size), the biomass harvesting guidelines (including focus on achieving silvicultural goals), and the leave tree guidelines (including allowing scattered and clumped leave trees to be used together, and allowing RMZ area to count toward recommended leave tree area, as well as consideration of economic value when choosing which trees to leave).

Finally, Lt. Chip Lemon and Lt. Mike Theis of the State Patrol’s Commercial Vehicle Enforcement Division took questions from members on current enforcement issues the patrol is seeing. They were joined by Sgt. Gene Kaml and Sgt. Steve Schuller. The four said their goal is to assist in keeping the motoring public safe while helping the trucking community transport its goods in a safe manner. Lt. Theis and Lt. Lemon also expressed a desire to keep lines of communication open between TPA members and the patrol, and if members have questions or concerns, they would welcome questions directly or through TPA staff.



New TPA President Kit Hasbargen (R) presents a plaque to outgoing president Mike Warren in appreciation for his years of service to the Association.

TPA Safety Awards

Safety was again highlighted at the Annual Banquet, as the winners of the 2012 TPA Safety contest were recognized.

First and foremost was Dukek Logging of Bagley, a repeat winner for 25 consecutive years. Larry and Joe Dukek of Dukek Logging were presented a plaque recognizing this achievement.

In the drawing for cash awards from among those recognized in the safety contest, \$500 prizes went to Kimball's Logging, Inc. (Park Rapids), M & R Chips (Grand Rapids), and Weijo Logging (Ely). \$250 checks were awarded to Dean & Bob Walsh Logging (Park Rapids), and Lundberg Forest Products (Solway).

Those members with no lost-time accidents from April 2011 through March of this year:

Logging Division

- C & M Walsh Logging, Inc., Park Rapids
- C. O. Johnson Logging, Inc., Blackduck
- Dean & Bob Walsh Logging, Inc., Park Rapids
- Dick Walsh Forest Products, LLP, Park Rapids
- Dukek Logging, Inc., Bemidji
- Erickson Timber Products, Inc., Baudette
- Johnson Logging, Inc., Cannon Falls
- Killmer Bros., Inc., Big Falls
- Kimball's Logging, Inc., Park Rapids
- Lundberg Forest Products, Inc., Solway
- M & R Chips, Inc., Grand Rapids
- Mike Gates Logging, LLC, Big Falls
- Northwoods Chipping, Inc., Int'l Falls
- Page & Hill Forest Products, Inc., Big Falls
- Palmer Logging, Barnum
- Pittack Logging, Inc., Bovey
- Root River Hardwoods, Inc., Preston
- Shuster Logging, Gheen
- Weijo Logging, Ely

Trucking Division

- C & M Walsh Logging, Inc., Park Rapids



Larry Dukek (C) and Joe Dukek (R) of Dukek Logging receive a plaque from TPA Executive Vice President Wayne Brandt for having no lost-time accidents for 25 consecutive years.

- C. O. Johnson Logging, Inc., Blackduck
- Dean & Bob Walsh Logging, Inc., Park Rapids
- DeMenge Trucking & Forest Products, LLC, McGregor
- Dick Walsh Forest Products, LLP, Park Rapids
- Dukek Trucking, Inc., Bemidji
- Erickson Timber Products, Inc., Baudette
- Johnson Logging, Inc., Cannon Falls
- Junker Logging, Inc., Littlefork
- Kelliher Forest Products, Kelliher
- Kimball's Logging, Inc., Park Rapids
- Lake Nebagamon Trucking Corp., Lake Nebagamon, Wis.
- Lundberg Forest Products, Inc., Solway
- Mannco Trucking, Inc., Int'l Falls
- Mike Gates Logging, LLC, Big Falls
- Northwoods Chipping, Inc., Int'l Falls
- Page & Hill Forest Products, Inc., Big Falls
- Palmer Logging, Barnum
- Pittack Logging, Inc., Bovey
- Root River Hardwoods, Inc.,

Preston

- Two Inlets Mill, Park Rapids

Sawmill Division

- Bergstrom Wood Products, Inc., Int'l Falls
- Cass Forest Products, Cass Lake
- Erickson Timber Products, Inc., Baudette
- Johnson Logging Inc., Cannon Falls
- Kelliher Forest Products, Kelliher
- Land O Lakes Wood Preserving, Tenstrike
- Page & Hill Forest Products, Inc., Big Falls
- Two Inlets Mill, Park Rapids

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Blandin
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Cass Forest Products
Land O Lakes Wood Preserving
LUA
Northwest Tire
Prairie Trailer
Ultima Bank

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Chainsaw sponsored by
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Correction

An item in the March-April issue of the *Timber Bulletin* about staffing in the DNR's Division of Forestry should have indicated that additional staff has been added at

Sandstone and across the state to minimize effects that the fire season was expected to have on forest management efforts. The *Bulletin* regrets the error.

TPA Golfers and Anglers Enjoy Sunshine

Thanks to sunny skies over Sugar Lake and Sugarbrooke Golf Course, the TPA Golf and Fishing outings were again a huge success.

The fishing wasn't bad, either. Fishing awards went to the angler with the longest fish and the angler with the shortest fish. Because it was again a catch-and-release event, fish were measured at the boat and anglers reported their lengths at the end of the day.

The Conservation Award (smallest fish



(L-R): Craig Ferguson, Brian Gulseth, Ross Korpela, Chris Martland, Damon Polus, and Katie Vivant posted the lowest score during the TPA golf Outing.



Jodi Walsh of Dick Walsh Forest Products might have missed the fairway, but she didn't let an unfavorable lie slow her down during the TPA golf outing.

of the day) went to Ron Guertin of Guertin Logging for a beautiful 4-inch bluegill, while the Big Walter Award (largest fish) went to Gene Grell of Blandin for a 24 1/8 inch walleye.

The golf wasn't bad either. In that event, the Caddyshacker Award – for the team that had the most fun and the highest score – went to Ken

and Diane Lesmeister of Prairie Trailer, and Aaron Johnson and Todd Bullinger of Northwester Tire.

The Foot Wedge Award – earned by the team with the best score – went to Katie Vivant of KB Processing, Brian Gulseth of North Shore Forest Products, and Ross Korpela, Chris Martland, and Craig Ferguson, all of Sappi.



L-R: Paul Stangler, Ron Guertin and Leo Stangler head out onto Sugar Lake for a leisurely afternoon of fishing.



Jerry Demenge and Joe Brown head out onto Sugar Lake in search of walleyes during the TPA Fishing Outing.



Erik Lunemann of Nortrax shows off the walleye he boated during the TPA fishing outing.

New Superior NF Supervisor Named

Brenda Halter has been named forest supervisor on the Superior National Forest. She replaces Jim Sanders who retired last year.

Halter has been with the Forest Service for more than 18 years, working as a hydrologist and forest planner. She has a Master's degree in biology and was a member of the joint Forest Plan Revision team for the Chippewa and Superior National Forests while working on the Chippewa National Forest.

"I have spent many years working with the people and resources of Minnesota. I am delighted to return to family, friends and the lakes, wetlands and forests of this beautiful state"

Halter said in a news release.

"I have a deep and abiding commitment to public lands and look forward to working with our

forest employees, our state and local partners, and the community to care for the Superior National Forest."

Tim Dabney, who had served as interim forest supervisor on the Superior, will resume his responsibilities as deputy forest supervisor.

Supreme Court to Review Logging Road Case

The U.S. Supreme Court will review whether a Clean Water Act permit is required for building forest roads.

The case centers on an Appeals Court Ruling that runoff from logging roads that's conveyed through ditches and culverts is a point source of pollution and should be subject to a Clean Water Act permit. That ruling, by the Court's 9th Circuit, was contrary to U.S. Environmental Protection Agency policy.

The case is likely to be heard before the High Court later this year, with a decision coming in 2013.

In a different case earlier this year, the Supreme Court unanimously limited the government's power to enforce the Clean Water Act. In the decision released in March, the Court said landowners can challenge compliance orders in court before the EPA can enforce remedies or impose fines.

That decision stemmed from an Idaho case in which a couple wanted to build a vacation home, but the EPA classified their property as a protected wetland and ordered them to stop construction and restore it to its previous condition, threatening up to \$75,000 per day in penalties if they didn't comply.

Timber Talk

Legislature Changes Management of Trust Fund Lands

The Minnesota Legislature changed the way Permanent School Trust Fund Lands will be managed, in a move that could improve the availability of wood in our state.



It's an issue first raised by then-TPA President Oscar Bergstrom more than 20 years ago. The new measure, signed into law by Governor Mark Dayton, culminated a number of years of legislative proposals on the management of these lands. TPA played a significant role in helping craft these changes which highlight the requirements that management for economic considerations must be given precedence.

The new law requires that long-term economic returns from School Trust lands shall be given precedence if there is an irresolvable conflict. It requires that the Trust be compensated before any lands are put into management designations that prohibit long-term economic returns.

School Trust lands will no longer be charged for fire protection. Prior to this law, School Trust lands were the only category of lands in the state charged for fire protection. The law also states that the School Trust will be compensated for any lands currently in designations

that preclude long-term economic returns.

The law eliminates the Permanent School Trust Fund Advisory Committee. The DNR Division of Forestry will maintain management of these lands, and a new Legislative Permanent School Fund Commission is established for legislative oversight. This commission will be comprised of 12 legislators.

The position of School Trust Fund Director is established and given oversight and "watchdog" responsibilities. This person is authorized to hire up to five staff people.

The provisions of this law are effective July 1, 2013.

In other actions affecting logging and the forest products industry during the 2012 legislative session:

Bonding

TPA was successful in supporting funding for reforestation and forest roads on state lands. The final bonding bill included \$2.5 million for reforestation and \$2 million for forest roads. The total bonding funds allocated during the 2011/2012 legislative sessions was \$6.8 million for forest roads and \$2.5 million for reforestation. No funds were allocated to counties.

Biodiesel Exemption for Logging Equipment

TPA was successful in extending the current exemption for logging equipment from the state's biodiesel mandate until May 1, 2015. A new exemption from the biodiesel mandate for Number 1 diesel fuel during the months of October through March was also enacted with an expiration date of May 1, 2015.

Environmental Permitting

TPA, working with the state's business community, succeeded in the enactment of further improvements in the environmental permitting process. The new

law clarifies and strengthens the requirement for permits to be issued within 150 days and allows permit applicants to hire qualified people to prepare permits which will still be subject to MPCA approval.

Private Forestland Study

TPA drafted and succeeded in having the MN Forest Resources Council be directed to study private forest land assistance and support programs and report back to the legislature with recommendations on how to improve these programs. This provision will give us the opportunity to engage with supportive partners on forest land taxation and other issues during the 2013 legislative session.

Truck License and Permit Renewal Dates

TPA was not successful in moving legislation to require that the renewal dates for truck licenses and their associated permits be on the same date. Additional work with the Department of Public Safety, Department of Transportation and legislators will need to be done on this issue.

Wetland Exemptions

Staff from the Board of Water and Soil Resources attempted to have detrimental language on all wetland exemptions inserted into the Omnibus Environmental Policy bill. The language would have required evidence documenting compliance with BMP's to be provided on request to local government units, technical evaluation panels and enforcement authorities. TPA was successful in having this language stripped from the bill in conference committee.

Erickson Timber Named Minnesota Logger of the Year

The Minnesota Sustainable Forestry Initiative® Implementation Committee (SIC) named Erickson Timber Products as its 2012 Logger of the Year.

"Erickson Timber Products has served as a major economic driver in the Baudette/Lake of the Woods County area," said Tim O'Hara, coordinator of the Duluth-based Minnesota SIC and vice president of forest policy with Minnesota Forest Industries.

"This well-respected, diversified company provides direct employment in an economically disadvantaged area, as well as makes wood purchases from local, independent loggers for use in their mill," O'Hara adds.

Erickson Timber Products, operated by Dale, Gib, and Dale's son Cameron Erickson, includes a sawmill, conventional and cut-to-length harvesting operations, trucking, and biomass capabilities.

Sustainable forestry is practiced throughout the company's operations, from developing site-specific harvest prescriptions for private landowners, to involvement in issues affecting the industry at the policy level - both statewide and nationally. The company exemplified its commitment to the industry during the Minnesota state government shutdown last summer, by challenging restrictions on harvesting activities that would have put the state's industry in jeopardy. The challenge gained national attention when the story was picked up by *The New York Times*.

The company not only walks the walk of sound forest management, it talks the talk. Dale is member of the Minnesota Forest Resources Council, representing commercial logging contractors. He also sits on a sub-committee of the council, contributing his knowledge to the development of forest management guidelines. Dale also sits on the board of directors of the Minnesota Timber Producers Association, having served as past president.

"I like that the word 'sustainable'



Dale Erickson (C) of Erickson Timber Products with the Minnesota Logger of the Year plaque, presented by UPM Blandin Forest Resources Manager Jim Marshall (L), vice-chair of the Minnesota SFI Implementation Committee, and by Boise Woodlands Manager Dan Toivonen (R). Boise nominated Erickson Timber Products for the award.

is associated with this award," Erickson said, "because we see how important sustainability is. We've been at this long enough where we're logging in some spots for the second time. That shows how sustainable the forest is and that loggers in Minnesota are doing a good job."

"Erickson Timber Products is also a supporter and active member of their local community," Nathan Heibel of Boise White Paper, LLC, wrote on his nomination form. "The company not only operates at a state

level, but also shows its commitment to its own community, continuously donating to local community causes and school needs."

The Minnesota SIC includes representatives from the Minnesota Department of Natural Resources, forest companies, the University of Minnesota, family forest owners, the Minnesota Logger Education Program, Minnesota Timber Producers Association, Minnesota Tree Farm Program, the National Wildlife Turkey Federation and SFI-certified county land departments.

Mark Your Calendar

Here are some of the events in the coming months you'll want to make sure are on your calendar:

Sept. 6-8

Great Lakes Timber Professionals Association
2012 Lake States Logging Congress & Equipment Expo
EAA Grounds, Oshkosh, Wis.
Visit: www.timberpa.com or Call: 715-282-5828

Sept. 14 & 15

59th North Star Expo at Itasca County Fairgrounds in Grand Rapids, Minn. Parking \$3, admission is free. For more information, call the TPA office at 218-722-5013.

Explosion and Fire Cause Shutdown at Verso

Verso Paper Corp. is continuing to assess the damage to its mill in Sartell after an explosion and fire on May 28th.



The incident claimed the life of one Verso employee and injured four others. The explosion and fire also caused substantial damage to the mill's paper warehouse and important infrastructure, including the electrical system.

In a statement, the company says a visual inspection of the mill's paper machine indicates that it was not damaged, but that the operability of the paper machine has not been confirmed. Based on the preliminary damage assessment, Verso has concluded that a period of several months would be required to complete the necessary repairs to the mill. The company will make a decision on the mill's future once the assessment is completed.

"The tragic loss of our employee, Jon Maus, makes this an especially difficult time for Verso and our employees," said Dave Paterson, Verso's president and chief executive officer. "Our collective thoughts and prayers continue for Jon's wife Lucy, their children, and the rest of the Maus family."

Parallel with the damage assessment, Verso has begun an investigation into the origin and cause of the explosion and fire at the Sartell mill.

"Our top priority is to determine why this unfortunate event happened and to make sure that nothing like it ever happens again," said Paterson. The Sartell mill has consistently achieved "Star" status in the Voluntary Protection Program sponsored by the federal Occupational Safety and Health Administration, which recognizes employers and employees who have demonstrated exemplary achievement in the prevention and control of occupational safety and health hazards.

The State Fire Marshal Division of the Minnesota Department of Public Safety, the Minnesota Occupational Safety and Health Administration, and Verso's insurer also are investigating the explosion and fire at the Sartell mill. Verso is voluntarily and fully cooperating with these investigations.

TPA Board Pledges Support to Verso Mill

At its June meeting, TPA's board of directors passed a resolution pledging its support and offering help to the Verso Paper Mill that has been closed since an explosion and fire on Memorial Day.

TPA's board also encouraged state and federal leaders to assist in restarting the mill due to its importance to the state's logging community and to the economy as a whole.

"We want to make sure everyone, including our lawmakers, knows how important Verso is to our industry," TPA President Kit Hasbargen said. "It's an important market for our loggers and employs a lot of people in our state. We need to do whatever we can to support the mill and its employees."

The resolution, sent to company executives, as well as state and federal lawmakers, reads:

RESOLUTION

Verso Sartell Mill

- Whereas the Board of Directors of the Minnesota Timber Producers Association (TPA) expresses our condolences to the family of Jon Maus who was tragically killed in the explosion and fire at Verso's Sartell, MN paper mill, to those who were injured and to all of the people in the community; and
- Whereas TPA expresses our thanks to the many fire departments and first responders who fought to save the mill and protect the community; and
- Whereas Verso is a valued member of the forest products family in the State of Minnesota; and
- Whereas many TPA members supply wood to the mill and have done so for generations; and
- Whereas the mill has been a strong contributor to the economy of the local community and to the many communities where it purchases wood and other goods and services; now therefore be it
- Resolved that the Minnesota Timber Producers Association supports Verso's efforts to return the mill to production; and be it further
- Resolved that the Minnesota Timber Producers Association offers any help that it can provide to Verso in returning the mill to production; and be it further
- Resolved that the Minnesota Timber Producers Association encourages local, state and national leaders in the public and private sectors to support Verso in returning the mill to production.

Minnesota Timber Producers Association
Board of Directors
June 8, 2012

Ground Broken at Sappi



Sen. Amy Klobuchar (D-Minnesota) speaks at the Sappi mill in Cloquet during groundbreaking for the mill's \$170 million capital project. The mill is undergoing a conversion that will allow it to produce 330,000 metric tons of chemical cellulose per year. The mill will also continue to manufacture paper. The project is expected to be completed next year.

L-R: Lt. Gov. Yvonne Prettner-Solon, Sappi Cloquet Mill Manager Rick Dwyer, Sen. Klobuchar, Sappi Fine Paper North America President and CEO Mark Gardner, and Minnesota Department of Employment and Economic Development Commissioner Mark Phillips.

TPA Celebrating 75th Anniversary in 2012

Forming TPA

The Minnesota Timber Producers was founded in 1937, making 2012 the organization's 75th anniversary year. In commemoration, over the course of the year the Timber Bulletin will look back on TPA's history and that of Minnesota's timber industry, based on the 50th Anniversary edition of the Bulletin, written by Bill Beck and published in 1987.

Mechanization Meant A Safer Industry

The cover of the November 1946 issue of *The Timber Bulletin* portrayed a team of horses skidding logs out of the woods at a camp in Koochiching County. The editor noted that the scene was "not as common in the woods today as it was a few years ago," adding that horses had replaced oxen in the industry only the decade before. But the editor also noted that horses themselves,

although very popular with area loggers, were already fast being replaced by tractors.

In the post-war years, board camps were still in existence in Minnesota and in the Lake States. Trees were hand-felled, loaded drays were hauled to landings by horses or small tractors, and trucks were loaded by hand, by horse jammers, or construction cranes. Bulldozers began showing up more frequently in the woods.

Production per man-day at the times was anywhere from one to two cords. But mechanization was about to come to Minnesota in a big way. Shortly after the war ended, Rosholt Equipment began to advertise the Diston Chain Saw in the pages of *The Bulletin*. It was so bulky that it required two men to operate it, but the concept of a gasoline engine small enough to power a chain-driven saw was one of the many technological advances to come out of World War II.

Through all of this, logging was a dangerous profession, with accidents a way of life for the men and women who worked in the woods. To that end, TPA has always strongly promoted safety programs while also lobbying state and federal government, educating lawmakers and agencies on the unique conditions logging companies deal with while on the job.

One of the most important tasks was the development of equitable workers compensation laws, and TPA's efforts to keep these laws reasonable for logging business owners while also protecting the health and well-being of our industry's workers.

Toward that end, TPA's 50th Anniversary publication related a story about George Biondich, a former TPA president and

longtime Association board member, and his introduction to workers compensation laws and lobbying efforts at the state capital:

Biondich, the portly contract logger from Koochiching County, whose stories are legend around the organization, attended a legislative hearing in St. Paul.

The learned lawyers and legislators had spent hours debating how much a worker should be compensated

for the loss of an arm, a hand, or a leg. Biondich pondered the legality of it all. "The next thing you know, Biondich said, holding up a beefy hand with only four digits, "they'll want to put a value on everything. Hell, da woods will be full of tumbs."

As early as 1939, TPA lobbying efforts had helped reduce the rate for compensations to close to half of the previous rate. In 1956, the association reported that accidents involving axes comprised 20 percent of the total accidents in the Minnesota woods, while less than two percent of the injuries were attributed to falling limbs. Twenty-five years later, thanks in part to mechanization, limbs and trees falling on loggers accounted for 45 percent of the injury costs in the industry.

It wasn't until the mid-1960s, however, that the pace of mechanization really quickened in Minnesota's timber industry. The north woods saw a shortage of labor, thanks to both the military draft for the Vietnam war, and also because Iron Range taconite mines were booming and gobbling up much of the available



George Biondich



The cover of the November, 1946 issue of the *Timber Bulletin*.

manpower. As a result, logging companies were forced to either reduce production and fall short of filling their contracts, or turn to mechanization to overcome the labor shortage.

But this mechanization came with costs. For one thing, equipment operators needed to be trained. Plus, the financial commitment to purchase such equipment rose exponentially.

Also rising were the costs associated with protecting workers. Through the decade of the 1970s, actual total wages for logging employees went down, while workers' compensation as a percentage of a company's total expense doubled during this period. By 1980, Minnesota loggers were

paying the fourth highest workers' comp rates in the country, with only Michigan, Alaska, and Kentucky logging companies paying higher rates.

That's when TPA's insurance committee took action, first studying the issue and then establishing the organization's workers compensation insurance program with Lumbermen's Underwriting Alliance (LUA). This has allowed TPA member companies to reduce expenses related to workers comp insurance over more than three decades. The program continues today with Northern Capital Insurance Group marketing the program and servicing the accounts.

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RUGGEDLY BUILT FOR TROUBLE-FREE SERVICE

Use the Disston ONE-MAN Chain Saw in any kind of cutting where the 18" capacity. It's easy to use, easy others are asking. It's a real engineering achievement. Examine the special features: 2-cycle, 1 1/2 H.P. (1400 C.P.M.), automatic engine shut-off, clutch bearings on all rotating parts. Each part is built to last and will give you a long life. Full motor gives automatic fuel flow and will give you an even speed governor. Built in automatic chain lubrication. Chain is made, ready to use. Service (parts) And it takes the Disston name. Service is the quality to everyone. Mean maintenance of the quality to everyone.

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ROSHOLT EQUIPMENT COMPANY

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Address 1911 522 West First Street Duluth, Minnesota

Ad for Disston Chainsaw, available at Duluth's Rosholt Equipment Company, from the August 1948 issue of the *Timber Bulletin*.

From Bulletins Past

A sample of topics covered by *The Timber Bulletin* during its 75-year history

From the March, 1947 Bulletin: Deer Now Being Employed in Logging Operations

Last Fall an early snow fell in Northern Minnesota. In swampy areas the ground was quite wet and it looked as though it would not freeze unless the roads were tramped. According to State Forest Ranger Holmstead who works with Area Supervisor Olson out of Cloquet, there were two brothers, one named Westerla and the other named Westerlund, living near Cromwell. They were logging some timber in that vicinity. Because they lacked a tractor or other means of tramping the roads in a hurry, they hit upon an idea that many other people had had but few

had the resourcefulness to attempt. They cut considerable quantities of cedar branches from trees that were being cut for poles and posts and spread these cedar boughs all around the logging roads in the wet area. The deer, within a week's time had done a perfect job of tramping their roads. A cold spell came soon after and froze the roads solid.

I wonder if the Wage and Hour Division has heard about the case of wages which are due and have not been paid. Perhaps the court would rule that the deer employed on this logging operation have nothing coming since they were given a bountiful feast by the loggers.

From the March, 1949 Bulletin: This Month's Cover:

Two jacks sawing down a huge

white pine tree at Gus Westvik Camp. The sawyers, left to right, are Tom Stromme and Ole Moy, both of Littlefork. It takes about 20 minutes to fell such a tree.



On the Markets

The *Timber Bulletin* publishes information regarding results of a sampling of recent timber sales and other market indicators, as well as other market-related news items.

Recent Timber Sales Average Prices, as reported by each agency

<u>Agency</u>	<u>Regular</u>	<u>Intermediate</u>
Clearwater County		
<i>April 26 – Oral Auction</i>		
Aspen	\$32.33	NA
Oak	\$19.84	NA
Maple	\$11.57	NA
Basswood	\$ 5.64	NA

Koochiching County		
<i>May 2 – Oral Auction</i>		
Aspen Pulp/ Bolts	\$28.99	\$34.52
Spruce Pulp/ Bolts	\$23.86	\$35.99
Balsam Pulp/ Bolts	\$17.26	\$21.97
Birch Pulp/ Bolts	\$ 5.78	\$ 6.49

32 of 33 tracts offered during the sale were purchased.

DNR – Baudette Area		
<i>May 8 – Oral Auction</i>		
Aspen Species (WC)	\$35.69	\$35.09
Trembling Aspen (WC)	\$35.63	\$37.18
Balsam Fir (WC)	\$20.21	NA
Norway Pine (WMP)	\$26.40	\$34.46

All 14 tracts offered during the sale were purchased.

Aitkin County		
<i>May 14 – Oral Auction</i>		
Aspen P/B	\$32.69	NA
Maple P/B	\$11.20	NA
Oak P/B	\$21.97	NA
Paper Birch P/B	\$13.46	NA

21 of the 22 tracts offered during the sale were purchased.

DNR – Park Rapids Area		
<i>May 15 – Oral Auction</i>		
Aspen Species (WC)	\$25.60	\$20.91
Trembling Aspen (WC)	\$32.36	\$31.92
Pine Species (WMP)	\$25.35	\$40.65
Norway Pine (WMP)	NA	\$26.37

30 of 31 tracts offered during the sale were purchased.

St. Louis County		
<i>May 17 – Oral Auction</i>		
Aspen pulpwood	\$25.63	NA
Birch pulpwood	\$ 7.36	NA
Black Spruce pulpwood	\$25.72	NA
Balsam fir pulpwood	\$14.89	NA

Itasca County		
<i>May 24 – Oral Auction</i>		
Aspen (wdsrn)	\$27.42	NA
Red pine (wdsrn)	\$44.54	NA
Paper Birch (wdsrn)	\$11.97	NA
Jack pine (wdsrn)	\$42.93	NA

DNR – Backus & Pine River Areas		
<i>May 28 – Sealed Bid</i>		
Aspen Species (WC)	\$38.87	\$30.88
Trembling Aspen (WC)	\$31.92	\$35.79
Northern Hardwoods (WMP)	\$18.20	\$ 9.06
Tamarack (WC)	\$ 6.41	\$ 6.77

11 of 13 tracts offered during the sale were purchased.

DNR – Tower & Littlefork Areas*May 29 – Sealed Bid*

Aspen Species		
(WC)	\$38.69	NA
Trembling Aspen		
(WC)	\$32.98	\$38.56
Northern Hardwoods		
(WC)	\$12.92	\$13.70
Black Spruce		
(WC)	\$10.80	\$26.05

*14 of 37 tracts offered during the sale were purchased.***DNR – Deer River Area***May 29 – Oral Auction*

Aspen Species		
(WC)	\$19.98	\$31.97
Trembling Aspen		
(WC)	\$28.53	\$19.98
Tamarack		
(WC)	\$ 5.10	NA

*12 of 13 tracts offered during the sale were purchased.***Cass County***May 31 – Sealed Bid*

Aspen	\$41.33	\$29.50
Ash	\$30.75	\$15.30

*All 9 tracts offered during the sale were purchased.***DNR – Hibbing Area***June 4 – Sealed Bid*

Aspen Species		
(WC)	\$35.00	\$21.79
Trembling Aspen		
(WC)	\$23.98	\$33.12
Mixed Hardwoods		
(WC)	\$13.56	NA

*9 of 13 tracts offered during the sale were purchased.***DNR – Blackduck & Deer River Areas***June 5 – Oral Auction*

Aspen Species		
(WC)	\$21.05	\$29.53
Trembling Aspen		
(WC)	\$27.57	\$21.25
Tamarack		
(WC)	\$ 6.51	\$7.97

*14 of 16 tracts offered during the sale were purchased.***DNR – Hibbing Area***June 5 – Oral Auction*

Aspen Species		
(WC)	\$23.75	NA
Trembling Aspen		
(WC)	\$34.22	\$25.20
Pine Species		
(WMP)	\$32.59	\$42.78
Northern Hardwoods		
(WC)	\$ 9.20	\$10.95

*18 of 20 tracts offered during the sale were purchased.***DNR – Tower Area***June 6 – Oral Auction*

Aspen Species		
(WC)	\$23.31	\$35.16
Trembling Aspen		
(WC)	\$25.52	\$26.99
Mixed Spruce		
(WMP)	\$19.15	\$33.87
Balsam Fir (WC)	\$16.23	\$17.81

*12 of 28 tracts offered during the sale were purchased. 12 of the unsold tracts were on the intermediate auction, with the remaining 4 on the regular.***DNR – Aitkin Area***June 11 – Oral Auction*

Aspen Species		
(WC)	\$42.87	\$26.00
Trembling Aspen		
(WC)	NA	\$24.26
Red Oak (WMP)	\$28.40	\$20.32
Northern Hardwoods		
(WC)	\$14.15	\$18.51

*12 of 13 tracts offered during the sale were purchased.***DNR – Bemidji Area***June 12 – Oral Auction*

Aspen Species		
(WC)	\$38.04	\$17.78
Trembling Aspen		
(WC)	NA	\$32.12
Pine Species		
(WMP)	\$46.95	\$22.60

Northern Hardwoods

(WC) \$ 9.20 \$10.95

*16 of 17 tracts offered during the sale were purchased.***Lake County***June 14 – Oral Auction*

Aspen pulp	\$17.81	NA
Aspen P&B	\$16.11	NA
Balsam Fir	\$ 9.55	NA
Maple pulp	\$ 7.48	NA

DNR – Littlefork Area*June 14 – Oral Auction*

Aspen Species		
(WC)	\$29.69	\$29.03
Trembling Aspen		
(WC)	\$35.62	\$22.85
Black Spruce		
(WC)	\$32.17	\$21.07
Pine Species		
(WMP)	\$63.92	\$33.47
Black Spruce		
(WMP)	\$35.91	\$21.26

23 of 25 tracts offered during the sale were purchased.

Products:

PB = Pulp and Bolts

WMP = Woodsrun mixed Products

WC = Woodsrun cordwood

ST = Sawtimber

WST = Woodsrun Sawtimber

PW = Pulpwood

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Note: Existing subscriptions will continue at their current rate until they expire.

Classifieds

To serve our readers better, the Timber Bulletin offers free classified ads of up to 85 words to all members and associate members of the Minnesota Timber Producers Association. All ads must be submitted in writing to the Association office. The MTPA assumes no responsibility for ad contents and accepts free ads on a first-come, first-served basis within space limitations.

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Barrel stave logs – White Oak and Burr Oak butt cuts 12-inch diameter and up – random lengths
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Cell: 608-792-7598

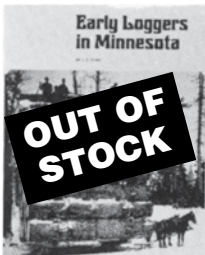
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Two tree-length bunks with stakes.
Made by Han-Fab..... \$500.00
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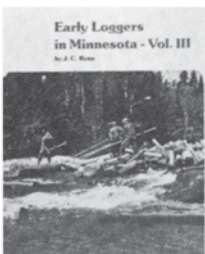
Early Loggers in Minnesota

by J. C. Ryan

VOL. I



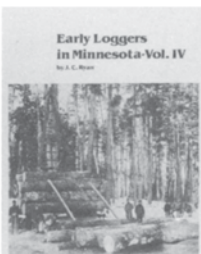
VOL. III



VOL. II



VOL. IV



First-hand recollections by storyteller "Buzz" Ryan of the loggers, loaders, swampers, wood butchers and bull cooks who ruled the woods in the heyday of the pioneer lumberjacks—with dozens of historical photographs.

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_____ copies "Early Loggers in Minnesota" Vol. IV at \$8.50 each.

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