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The Nebraska Forest Service publishes **Timber Talk** four times annually (March 1, June 1, September 1, and December 1) to serve the forest industry of Nebraska. All questions and correspondence concerning **Timber Talk** should be directed to: Adam Smith, **Timber Talk** Editor, Nebraska Forest Service, University of Nebraska, 101D Forestry Hall, P.O. Box 830815, Lincoln, NE 68583-0815

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Lumber Market Reports

Northern Logging contractors, sawmill operators, and end users are in summer mode. Each sector along the supply chain is mindful of the possibility of degrade in logs and lumber from stain damage. Timing harvesting, production, and shipments is critical to maintaining the value of high dollar species. There has been little change in the direction of domestic demand for hardwood lumber or industrial timber products. Species that have been performing well still are. Mills and resellers are having no difficulty shipping green Hard Maple, White Oak, railroad ties, or pallet material. On the other hand, sales and shipments to China have declined significantly, and there is growing uncertainty about business for the near term at least. A weaker Chinese economy and extremely tight fiscal policy have slowed activity for hardwood finished goods, but the threat of tariffs on US produced hardwood lumber has had greater impact. Red Oak, Ash, Cherry, and Walnut have been affected most to this point. Local kiln dried markets have improved along-side stronger US new home construction and spending on remodeling, and other international markets are holding up well. Nonetheless, neither option for kiln dried hardwood lumber can replace lost sales to China.

Southern Sales and shipments of Red Oak and Ash to China have slowed significantly. The change in market circumstances has been occurring for some time, but the effects were buffered by low domestic kiln dried inventories through June. The primary reasons for slower business are a weaker Chinese economy, tighter fiscal policy, and in specific provinces, a change to regulations about who chooses interior fittings for single family dwellings - the builder or home buyer. The fact is flooring, cabinets, and furnishings inventories are all backing up for Chinese secondary manufacturers. Therefore, production is off, and demand for kiln dried lumber is down. Other international markets and domestic activity are good but cannot make up for lost Red Oak sales to China.

Appalachian Industry contacts point out difficult business conditions in China. Because of the market's size and the US hardwood industry's commitment to supplying it, loggers, sawmills, concentration yards, distribution yards, and end users are impacted by business developments. China has been adjusting to economic forces this year that have lowered domestic demand for hardwood manufactured goods. More recently, the threat of tariffs against US hardwoods has set business back. US demand for hardwood lumber and secondary wood products has benefited from solid growth in new home construction, commercial building, and the overall economy. The residential flooring, truck trailer flooring, pallet, and crosstie sectors are performing particularly well, with the cabinet, moulding/millwork, wood component, and upholstered furniture industries posting moderate but consistent gains.

(Source: Condensed from *Hardwood Market Report*, August 10, 2018. For more information or to subscribe to *Hardwood Market Report*, call (901) 767-9216, email: hmr@hmr.com, website: www.hmr.com)

Hardwood Lumber Prices - Green												
Species	FAS				#1C				#2A			
	8/18	5/18	2/18	11/17	8/18	5/18	2/18	11/17	8/18	5/18	2/18	11/17
Ash	1230	1210	1100	1020	845	810	750	700	455	445	420	390
Basswood	790	790	790	790	440	440	440	450	225	225	225	225
Cottonwood	780	780	780	780	575	575	575	575	260	260	260	260
Cherry	1740	1700	1490	1350	1120	1105	965	860	595	590	525	475
Elm	670	650	650	650	420	420	420	420	290	290	290	290
Hackberry	530	530	530	530	480	480	480	480	295	295	295	295
Hickory	950	960	920	880	620	630	610	580	440	450	450	425
Soft Maple	1180	1200	1200	1245	790	790	790	805	480	480	480	480
Red Oak	1130	1225	1205	1115	815	910	865	810	565	555	545	520
White Oak	1705	1685	1605	1560	1055	1040	950	920	565	560	530	505
Walnut	2900	3100	3050	2750	1875	1960	1750	1560	1150	1235	1060	910

Note: Lumber prices quoted in \$/MBF, average market prices FOB mill, truckload and greater quantities, 4/4, rough, green, random widths and lengths graded in accordance with NHLA rules. Prices for ash, basswood, northern soft grey elm, unselected soft maple, red oak and white oak from Northern Hardwoods list. Prices for cottonwood and hackberry from Southern Hardwoods list. Prices for cherry, hickory and walnut (steam treated) from Appalachian Hardwoods list. (Source: *Hardwood Market Report (HMR)*, above prices are from the August 10 issue. To subscribe to HMR, call 901-767-9126; email hmr@hmr.com; or go to www.hmr.com.)

Hardwood Lumber Prices - Kiln Dried												
Species	FAS				#1C				#2A			
	8/18	5/18	2/18	11/17	8/18	5/18	2/18	11/17	8/18	5/18	2/18	11/17
Ash	1630	1635	1530	1490	1225	1205	1170	1130	860	860	825	780
Basswood	1200	1180	1180	1180	725	725	725	725	515	485	485	485
Cottonwood	1025	1025	1025	1025	770	770	770	770	----	----	----	----
Cherry	2370	2320	2050	2100	1565	1600	1415	1440	1000	1040	920	970
Elm	----	----	----	----	----	----	----	----	----	----	----	----
Hackberry	----	----	----	----	----	----	----	----	----	----	----	----
Hickory	1560	1540	1520	1500	1180	1180	1120	1080	990	990	940	910
Soft Maple	1540	1570	1570	1660	1175	1175	1175	1215	800	800	800	810
Red Oak	1695	1715	1695	1650	1270	1370	1350	1340	1030	1030	1000	1000
White Oak	2325	2250	2200	2175	1630	1615	1575	1560	1125	1110	1085	1070
Walnut	4380	4330	4300	4160	2975	2950	2725	2625	2040	1990	1820	1740

Note: Kiln dried prices in \$/MBF, FOB mill, is an estimate of predominant prices for 4/4 lumber measured after kiln drying. Prices for cottonwood and hackberry from Southern Hardwoods list. Prices for ash, basswood, northern soft grey elm, unselected soft maple, red oak, and white oak from Northern Hardwood list. Prices for cherry, hickory and walnut (steam treated) from Appalachian Hardwoods list. (Source: *Hardwood Market Report (HMR)*, above prices are from the August 10 issue. To subscribe to HMR, call 901-767-9126; email hmr@hmr.com; or go to www.hmr.com.)

Pallet Lumber - Green				
Dimension	8/18	5/18	2/18	11/17
4/4 x RW	375	325	265	245
5/4 x RW	390	340	290	290
6/4 x RW	415	375	315	315
4/4 x SW	420	400	360	340
5/4 x SW	430	420	390	365
6/4 x SW	460	450	400	380

Ties (7x9) - Green				
Region	8/18	5/18	2/18	11/17
<i>Crossties</i>	----	----	----	----
Northern - 8.5'	26.85-29.75	26.25-29.25	24.5-27.75	24.5-27
Appalachian (South) - 8.5'	28.5-32.5	27.25-31.25	25.75-29.5	24.5-28.25
Appalachian (North) - 8.5'	28.5-32	27-30.5	25.5-28.5	24.5-28
Southern (West) - 9'	28-33	27-31.5	25-30	24.5-30
Southern (East) - 8.5'	28-33	27-31.5	24-29.50	23.5-29.25

Note: Pallet lumber prices quoted in \$/MBF, average market prices FOB mill, truckload and greater quantities, rough, green, random widths and lengths graded in accordance with NHLA rules. Tie prices quoted in \$/piece, average market prices FOB mill. Prices for pallet lumber from Northern Hardwood list. Prices for ties from the respective regional lists. (Source: *Hardwood Market Report (HMR)*, above prices are from the August 10 issue. To subscribe to HMR, call 901-767-9126; email hmr@hmr.com; or go to www.hmr.com.)

American Logger Council Seeking Great Plains Chapter

The U.S. forest products industry is very broad with diverse and sometimes conflicting interests. The American Loggers Council was formed in 1994 when it was clear our nation's professional timber harvesters needed a strong, consistent presence in order to impact issues on a national level. ALC is billed as the "National Voice for Professional Loggers." We are loggers working for loggers, because if don't we don't stand up and speak out, nobody else will.

Twenty-four years later, ALC continues to grow and we are stronger than ever. ALC is made up of a coalition of state and regional logging associations currently representing 32 states across the nation. Membership means joining forces with logging professionals around the country to impact the industry positively and proactively. Membership means sharing the benefits of education and training opportunities, networking, research, promotion, and legislative coordination. Yet some loggers are not part of our broad and national partnership. It's time we work together to change that.

ALC represents loggers from coast to coast, but there is a strong desire among our members to connect with fellow loggers in the Great Plains and Inter-Mountain West regions. Our members need your participation and expertise. Together, we can ensure more loggers are represented, and that policymakers in more states recognize professional timber harvesters as an important source of information regarding many issues, including forest management, transportation and economic health in rural America.

That's why we are engaging loggers in five under-represented states, including Nebraska, the Dakotas and the Inter-Mountain states of Wyoming and Colorado. We envision a regional logging association that enables loggers to come together, share ideas and advocate more effectively in their state capitals and Washington DC.

Such a regional association can leverage ALC's organization and resources, and the regional association would benefit by being part of a national organization. Both the Great Plains and Inter-Mountain West would be represented in our Board of Directors. All members would be encouraged to participate in our meetings with key decision-makers in Washington, DC. You'll also have access to our sponsors, including major manufacturers of logging machines and equipment, and special member benefits and rebates.

Imagine what could be accomplished on issues and priorities that are important to the logging profession and the bottom-line of your own business. Together, we can accomplish our shared goals including a stable business environment, fair and equitable regulations, expanded markets, and ultimately better pay for logging contractors.

Our policy priorities including aligning timber with agriculture to enable our industry to receive many of the

same exemptions and exceptions that our friends in the ag sector currently enjoy under federal laws and regulations. We are working to recruit the next generation of loggers through our Future Careers in Logging Act, which received U.S. House approval last year, to enable 16- and 17-year-olds on family logging businesses to legally gain hands-on experience in mechanized timber harvesting. Another key priority is creating and expanding markets for wood products such as wood-based biomass. *(continued on next page...)*



**A M E R I C A N
L O G G E R S
C O U N C I L**



American Logger Council (continued)

We are also working to promote uniform truck weight limits for log truck drivers. For many years ALC has sought to create a more predictable system across state lines on federal interstate highways, especially as individual states have received various exemptions from the limits. We've proposed creating an additional exemption for agricultural (including forest) commodity loads that meet state-legal requirements and tolerances.

ALC is an active partner with other industry associations in working with the administration and Congress to reform and improve federal laws and regulations, including the Endangered Species Act and the National Environmental Policy Act. We are working to reform the nation's broken system of federal forest management to increase timber harvests on national forests and to make federal forest projects more economical and effective for contractors and American taxpayers alike.

Imagine how much we can achieve with an American Loggers Council that includes loggers from the Great Plains and Inter-Mountain West. I encourage you to contact me if you are interested in joining ALC, as an Individual Logger Member or as part of a new regional effort. Check out our web site and social media, and take advantage of all that ALC has to offer. We are loggers working for loggers, and we look forward to hearing from you.

For more information, visit amloggers.com or contact Danny Dructor at americanlogger@aol.com or 409-625-0206.

Danny Dructor is the Executive Vice President for the American Loggers Council with headquarters in Hemphill, Texas. The American Loggers Council is a 501 (c)(6) not for profit trade association representing professional timber harvesters and log truckers in 32 states across the United States with headquarters near Hemphill, Texas.



Woody Biomass Heating Assistance Available

Fluctuating fossil fuel prices have increased national attention on heating buildings or producing power for facilities using woody biomass (woodchips or other wood waste) as a fuel. Numerous large biomass heating facilities exist in Nebraska including Chadron State College and Nebraska College of Technical Agriculture.

However, there are a number of smaller facilities around the state who are utilizing their wood waste to provide heat for their facilities, many of which are sawmills or other wood products businesses. Small wood heating systems are being used to heat workshops, display rooms, and lumber kilns. Woody biomass opportunities are not strictly limited to the wood products industry. Schools, public facilities, greenhouse nurseries, warehouses, agricultural operations and hospitals all are targeted facilities for woody biomass heating applications.

Key factors which could lead to successful woody biomass applications include close proximity to available source of wood waste, wood fuel, or forested area and if the facilities are currently being heated using fossil fuels.

The Nebraska Forest Service is offering free technical assistance to facilities who are interested in investigating whether they can benefit from woody biomass heat or power.

If you own, operate, or are involved in a facility which might benefit from woody biomass heating and are interested in investigating this opportunity further, please contact Adam Smith, NFS at 402-472-1276 or asmith11@unl.edu.



Bureau of Indian Affairs Preparing for Walnut Timber Sale

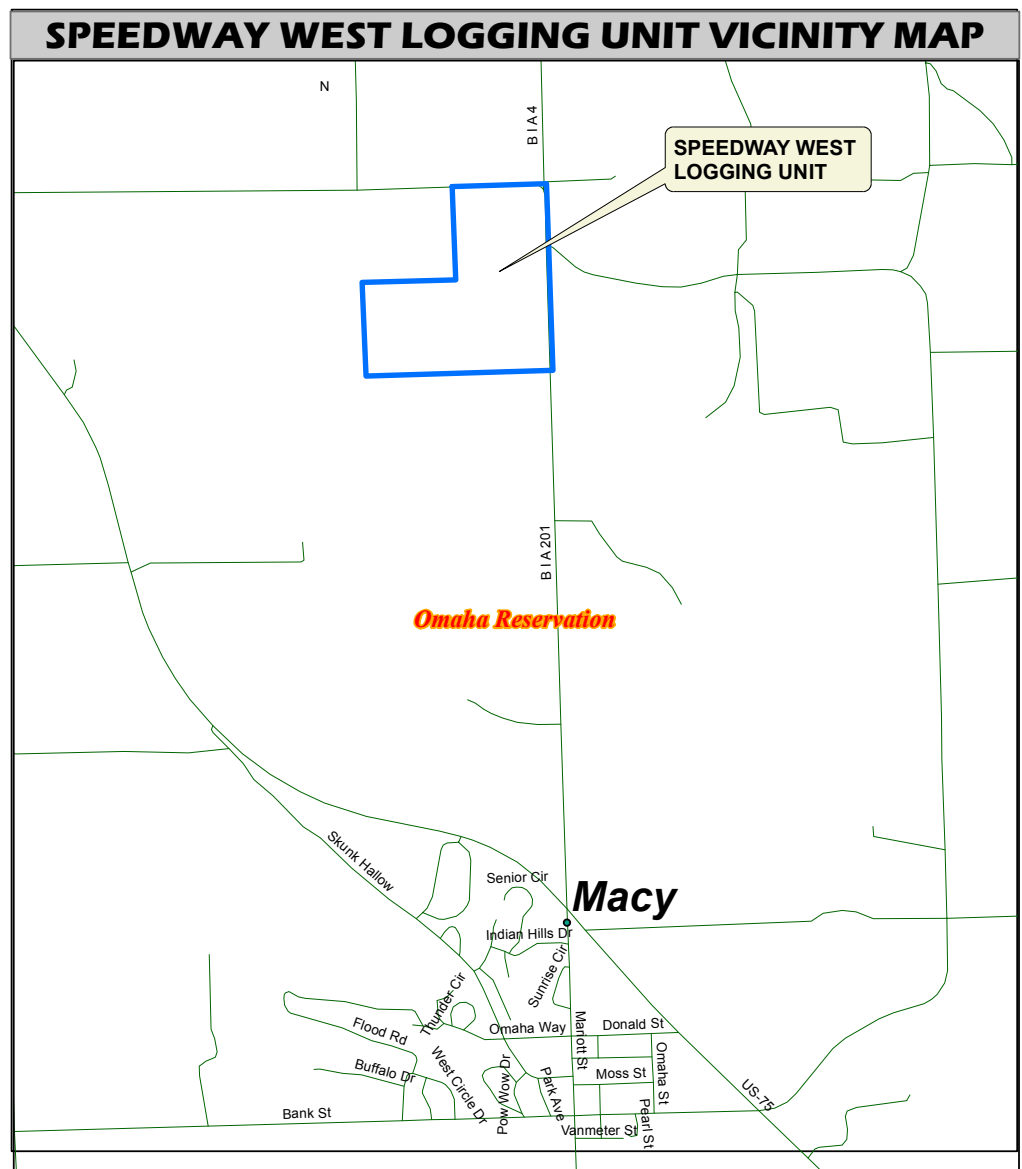
NOTIFICATION OF FUTURE TIMBER SALE (BLACK WALNUT) OMAHA INDIAN RESERVATION

The Bureau of Indian Affairs, Omaha Agency is tentatively offering for sale timber in an area known as the "Speedway West Logging Unit". The sale area is located just north of Macy, Nebraska. This notification of information is not an advertisement. This is for outreach purposes only to notify potential timber purchasers of tentative volumes offered in a future advertisement.

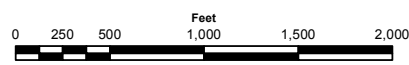
The Logging Unit contains Black walnut trees to be logged on approximately 120 acres, with an estimated but not guaranteed volume of ~100,000 board feet (bf) – a final cruise and volume estimate will be completed at a date closer to advertisement of sale. With final volumes still undetermined, the black walnut veneer grade and lumber grade volumes have not yet been determined. The sale of other tree species within the sale could be negotiable with the successful bidder. The above stated volume is a tentative estimate and is not yet guaranteed or advertised. This outreach is for notification purposes only and the actual timber sale advertisement will be done at a later date with projections of advertisement sometime in the fall of 2018.

A location map is provided in this notification outreach. Future site visit tours of the sale area will be scheduled once the timber sale is advertised for bidding. Please contact the persons below prior to any plans of visiting the sale area.

Please contact Anthony Crill or Andrew Baker by email with any interest regarding this sale prior to advertisement to Anthony.crill@bia.gov or Andrew.baker@bia.gov or by phone at (402) 878 – 2502.



Legend
[Blue outline] Logging Unit Boundary



Sale Administration Contact: (402) 878.2502
Andrew Baker & Anthony Crill

Ownership: T-3087 (Tribal)
Acres: 120
Location: 025N, 009E, 013S

2018 Nebraska Forest Festival (Free Workshops Available)

The Nebraska Forest Service is celebrating the state's entrepreneurs during its annual "Forest Festival" at Horning State Farm near Plattsmouth, Nebraska on October 27th, 2018.

We are highlighting the women and men who utilize trees and forest products to provide goods and services in our communities. Join the Nebraska Forest Service as it celebrates Nebraska's growers, producers, and artisans during national forest products week. Vendors from around the area will be on hand showcasing and selling their locally-produced products. The Hop Yard will also be on hand, offering specialty cocktails and pints for purchase. For the eager forest enthusiast, there will also be two a half-day workshops on managing high-quality timber for top value and how to grow your own hazelnuts for personal or commercial use.

Free Workshops Available (Registration required at nfs.unl.edu/workshops)

Black Walnut Timber Management & Harvest (9 AM - 12 PM)

Nebraska's eastern hardwood forests are home to a significant walnut timber resource. While high-value timber production remains a viable management strategy, it is necessary to understand the importance of active timber management in order to capture the highest value of the walnut resource. Additionally, improving forest health and sustainability play a key role in producing high-quality timber and ensuring a timber resource for the future. The Walnut Timber Management and Harvest Workshop focuses on active timber management and opportunities to improve the health, quality, and sustainability of Nebraska's walnut timber resource.

Representatives from Midwest Walnut based in Council Bluffs, IA will also be on hand to discuss selling and purchasing walnut timber.

Beginner Hazelnut Cultivation Workshop (9 AM - 12 PM)

Are you interested in growing your own hazelnuts but don't know how? This Beginner Hazelnut Cultivation Workshop will cover the basics of hazelnut cultivation and includes both classroom time and a field tour. Classroom topics will cover plot design, plant establishment, plot maintenance, nut harvesting, and processing.

Tentative List of Events

Marketplace (10 AM - 4 PM)

Vendors will be showcasing and selling their locally produced products.

Cash is preferred as cell reception for credit card processing is spotty.

Nature-palooza (11 AM - 2 PM)

Activities and educational events hosted by a variety of UNL groups and area nonprofits.

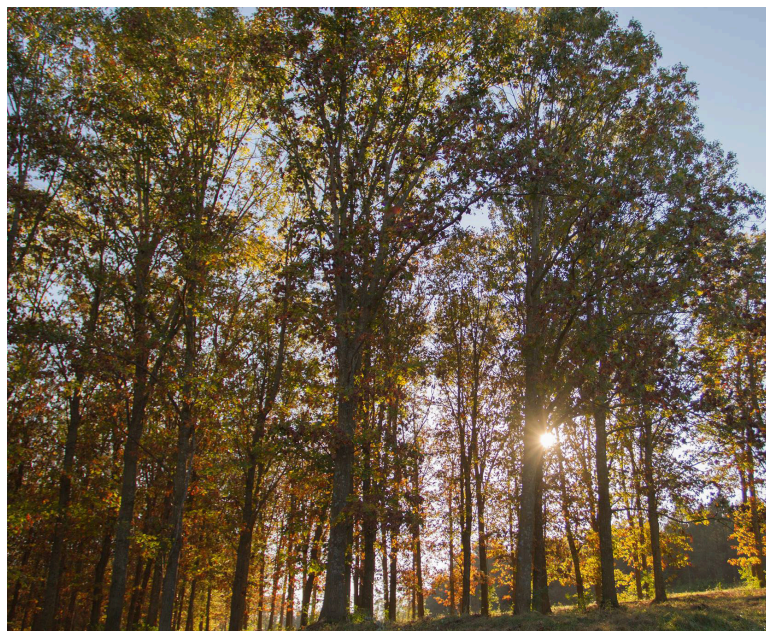
Appropriate for all ages!

Beer garden and food (11 AM - 3 PM)

Provided by The Hop Yard

Hiking trails open all day (8 AM - 4 PM)

Trail maps will be available at the check-in tent. All trails are rated easy to moderate.



Much Ado about Residue

Residue management for both sawmills and in-woods operators continues to be an issue. The Nebraska Forest Service works with industry and partners to identify new opportunities to utilize excess residues. Presently, there are two promising projects underway which address the disposal of excess residues and have the potential to provide economic and environmental benefits landowners and operators.

The first project to take on the task of reducing residues and problematic eastern redcedar alike is led by the University of Nebraska-Lincoln's department of Biological Systems Engineering. The project, called "Waste to Worth" takes an innovative approach to managing manures and wood wastes. Mixing the two results in a highly effective soil amendment when applied to crop land. Recycling locally available nutrients can help to manage the over-application of nutrients like phosphorus and nitrogen which leads to system imbalances and negatively affects water quality.

Initial trials showed adding a soil amendment of manure and wood chips increased crop yields, increased soil moisture, and decreased soil temperature. Soil organic carbon is also expected to increase as the woody biomass decomposes. After promising initial results, the project has been expanded to include 6 demonstration sites across Nebraska and will focus on educating operators, producers, and bringing together stakeholders from both forest and agricultural industries.

A second project focused on residue utilization is the Great Plains Biochar Initiative. Biochar is similar to charcoal but used as a soil amendment or for other environmental applications. The initiative brings together an enthusiastic group of technical and industry stakeholders to promote existing and develop new markets for biochar. The development of biochar markets creates immediate



demand for wood residues, including from abundant, low-value wood waste generated from sustainable forest management and the manufacture of wood products. The Great Plains Biochar Initiative uses a combination of education, outreach, and hands-on opportunities to make biochar with industry experts, citizen science, product development, and mini-grants to develop the biochar market.

In October 2018, biochar workshops will be held in...

- Chadron, NE (October 23rd)
- Norton, KS (October 24th)
- Pratt, KS (October 25th)

Grants up to \$5,000 will be offered starting in November. To learn more about the Great Plains Biochar Initiative, please visit our website at nfs.unl.edu/great-plains-biochar-initiative or find us on Facebook and if you are interested in applying for grant funding don't hesitate reach out.

Both projects are trying to take a bite out of the residue challenge. As an agricultural state in an agricultural region, these projects embrace the "forest to farm" model laid out by others as a method to create win-win scenarios for forest and agriculture stakeholders alike. If you are involved in any value-added residue management activities or would like to learn more, we would love to hear from you.

Trading Post

The Trading Post is provided as a free marketing service for forestry industry. Only forestry-related advertisements will be accepted. Please submit written ads to the Timber Talk editor at least 15 days before scheduled Timber Talk publication dates. Ads may be edited to meet space constraints.

For Sale

Sawmill. Mighty Mite bandsaw. 20 HP electric motor, tandem axles w/ brakes on one axle, 36" x 24' log capacity, (have cut 46" beams) hydraulic operation includes winch, knees, taper, near arm, dogging arms, far arm, dogging spike, log loading arms, and electric clutch and blade lift. Includes automatic blade sharpener, setting machine, 12 used blades and 4 new blades. Excellent condition. Never been used commercially. \$17,500. Contact: Gary Fisher, Crawford, NE. Phone: 308-665-1580; email: fisher@bbcbw.net.

Walnut Lumber. All dimensions. \$3.00 per board foot. Falls City, NE. Contact: Bruce Walker at 402-245-2031.

Services and Miscellaneous

Woodshop Services. Millwork made from your lumber on my planer/molder. Chris Marlowe, Butte, NE 402-775-5000. Marlowepasture@nntc.net.

Sawmill Service and Supplies. Saw hammering and welding. Precision knife and saw grinding. Contact: Tim Schram, Schram Saw and Machine, PO Box 718, 204 E. 3rd St., Ponca, NE 68770, 402-755-4294.

Used Portable Sawmills. North America's largest source of used portable sawmills and equipment. Contact: Sawmill Exchange, 800-459-2148, website: www.sawmillexchange.com.

Wanted

Wood Residue. Slab wood, cutoffs, sawdust, mulch, bales, etc. Lincoln, NE. Call Scott Hofeling at 402-432-0806 or email scott@hofelingenterprises.com.

Logs and Slabwood. Cottonwood, cedar and pine. 4-26" diameter and 90-100" lengths. Below saw grade logs acceptable. Contact: American Wood Fibers, Clarks, NE at 800-662- 5459; or email: Pat Krish at pkrish@AWF.com

Cottonwood Logs. Veneer-quality cottonwood logs, 16-36" diameter, 7' and longer. Pick up service available. Contact: Barcel Mill & Lumber, Bellwood, NE 68624. Ask for Barton or Megan. Phone: 800-201-4780; email: bj@barcelmill.com.

Timber Sales

The following listings are for stands of timber or logs being offered for sale by owners or persons of delegated authority. Timber was cruised and/or marked for harvest by the Nebraska Forest Service or other professional foresters. Volumes in board feet (Doyle scale unless otherwise indicated) are estimates by the forester. If no volume is listed, the trees or logs were not marked by a forester and the listing is included only as a marketing service to the owner. Listings are prepared according to the information at the time of publication.

Timber Information	Forester/Date	Seller Information
Black Walnut Veneer 3 - 607 bf Lumber 1 - 1,686 bf Lumber 2 - 3,826 bf Lumber 3 - 859 bf	Karloff 8/2018	University of Nebraska 103 Forestry Hall East Campus, UNL Lincoln, NE 68583-0815 Ph: 402-472-3645 Location: Cass County
Ponderosa Pine Over 1,000 acres, 5 ownerships Some timber hail damaged Existing logging/access roads Active management/harvest within past 25 years (except Fisher)	Nickerson 8/2018	Bob Bentley (Ph: 863-287-8564) Joe Dolezal (Ph: 308-360-2518) George Fisher (Ph: 308-862-4289) Glen Forney (Ph: 308-631-6511) Diana Robins (Ph: 308-327-2837) Location: Northern Sheridan County (North of Rushville)