



MINNESOTA DEPARTMENT OF NATURAL RESOURCES
DIVISION OF FORESTRY

**NOTICE OF SALE OF STUMPAGE ON STATE LANDS IN THE FOLLOWING AREAS:
DEER RIVER AREA, AITKIN AREA, HIBBING AREA, TOWER AREA, CLOQUET AREA, TWO
HARBORS AREA, LITTLEFORK AREA, NORTHEAST REGION**

**STATUS: COMPLETED
INTERMEDIATE AUCTION - SALE #2
SEALED BID**

Notice is hereby given that I offered for sale by sealed bid auction, timber belonging to the State of Minnesota. Bid forms were required to be submitted at the address listed on the bid form prior to 2:00 PM on Wednesday, January 18, 2017. All tracts were awarded at the Minnesota Discovery Center (Ironworld) at 9:15 AM on January 19th, 2017 in Chisholm, MN.

All of the timber offered was SFI and FSC certified.

The following pages list the lands upon which the timber was located, the estimated quantities of timber offered, the appraised prices, and the bid prices.



The resource management of the Minnesota DNR's state forests and wildlife management areas meets the objectives of the SFI @ program (Certificate No. NSF-SFI-FM-6Y921) and the principles of the FSC @ certification standard (Certificate No. SCS-FM/COC-00088N).

**FSC
100%**



MINNESOTA DEPARTMENT OF NATURAL RESOURCES

DIVISION OF FORESTRY

INTERMEDIATE AUCTION

SEALED BID TIMBER SALE

DEER RIVER AREA, AITKIN AREA, HIBBING AREA, TOWER AREA, CLOQUET AREA, TWO HARBORS AREA, LITTLEFORK AREA, NORTHEAST REGION

**SEALED BIDS MUST BE RECEIVED PRIOR TO
2:00 PM on January 18, 2017**

Bids will be awarded at the following location:

Minnesota Discovery Center (Ironworld) at 9:15 AM on January 19th, 2017 in Chisholm, MN

TERMS OF SALE

- This auction sale will be held according to Minnesota Statutes Sections 90.101 and 90.14. Timber shall be offered and sold by the same unit of measure as it was appraised. Sale shall be made to the responsible bidder who bids the highest price for all timber species advertised for bidding on each tract. Bids must be submitted on bid forms provided by the State, each bid must be sealed in a separate envelope, the envelope must be clearly marked with the tract number and bidder's name on the outside of the envelope. Bid forms may be obtained from the Forestry Area Office(s) listed above. Bids may be submitted by mail or in person at any time during regular business hours prior to the bid submission deadline (January 18, 2017). Any or all bids may be rejected and sales canceled for good and sufficient reasons.

REGISTRATION AND ELIGIBLE BIDDERS

- Interested persons must be registered at least four (4) business days prior to the auction by submitting an *Annual Timber Sales Purchaser Registration* form. No bid will be accepted from anyone having a delinquent timber sale account or trespass account or a willful timber trespass with any public agency in Minnesota, or from anyone who does not qualify as a Responsible Bidder as defined in Minnesota Statutes § 90.01 (12), or from anyone who has been debarred for cause by any public agency [M.S. § 90.041 (11)]. Purchase is limited to registered persons or companies with 30 or fewer employees. No bidder may purchase more than twenty-five (25) percent of the tracts offered on the first round of bidding. Purchases or attempts to purchase tracts beyond the twenty-five (25) percent limit will result in the forfeiture of the down payment and loss of the tract.

ADVANCE PAYMENT

- The advance payment of fifteen (15) percent of the appraised value of the timber is due within fourteen (14) days from the bid award date. Advance payments will not be accepted with the bid. Failure to provide the advance payment within 14 days of the bid opening date will result in forfeiture of the permit and the purchaser will be held liable for the advance payment. The successful bidders's advance payment will be kept on deposit by the State and applied against any billings for timber.

BID GUARANTEE

- For any bid increase in excess of \$10,000 of the appraised price, a bid guarantee equal to fifteen (15) percent of the total bid price of the timber less the down payment amount is required at the time the permit is signed. If the bid guarantee is not submitted with the signed permit, the permit cancels, and the down payment forfeits to the State. If the permit holder fails to execute an effective permit, the bid guarantee payment forfeits to the State.

PURCHASER AND LOGGER QUALIFICATIONS AND OPERATIONS REQUIREMENTS

- The purchaser or the purchaser's agents, employees, subcontractors, and assigns conducting logging operations on a timber permit must comply with the general industry safety standards for logging (e.g., LogSafe) adopted by the Commissioner of Labor and Industry and provide proof of compliance with these standards. The purchaser or the purchaser's agents, employees, subcontractors, and assigns conducting logging operations on a timber permit must comply with the State of Minnesota mandatory insurance requirements before harvest operations begin. A *Certification of Compliance with the Minnesota Workers' Compensation Law* form must be submitted each year. Before the start of harvest operations, the purchaser must certify that a designated foreperson, who will be supervising active logging operations, has a current certificate of completion from a logger education program (e.g., MLEP or FISTA) approved by the Commissioner of Natural Resources.

SECURITY REQUIRED

- The purchaser must furnish security equal to the total bid value of the permit, LESS the amount paid as an advance payment and bid guarantee. Security can be furnished in the following forms: Corporate surety bond, certified check, cashier's check, personal check, money order, or by signing a Cutting Block Payment Agreement for individual cutting blocks, at least one business day prior to the start of any permit operations. If the purchaser elects to receive a refund of the advance payment and bid guarantee, they must furnish security in a form described above, for one hundred (100) percent of the total bid value of the timber purchased. If the deferred cash payment for cutting blocks is selected, the advance payment and bid guarantee WILL NOT be refunded. If the purchaser elects to secure a permit by prepayment of cutting block(s), they must make a written request on a form provided by the state. No harvesting is permitted until proper security has been furnished to and approved by the Commissioner of Natural Resources or his agent.

PERMIT TERMS

- A permit to harvest and remove the timber from state lands will be issued to the purchaser. NO permit shall be issued to anyone other than the purchaser in whose name the bid was made. All timber purchased on the permit must be harvested prior to the permit expiration date. All permits provide for the continuous identification of timber from the time of cutting until delivery to the consumer. Failure to continuously identify the timber as specified in the permit shall constitute trespass. Also, please note all harvest specifications on each tract being sold. Only one Regular Extension is permitted for exceptional circumstances. An annual interest rate of 5 percent may be charged on a regular extension for the period of the extension.

UNSOLD TRACTS

- On the next regular business day (8:00 AM - 4:30 PM, Monday - Friday, except holidays) after the date of the auction sale, unsold tracts may be available for over-the-counter purchase at the appraised price for a period of no more than one year. Unless canceled for reoffer at an earlier date, unsold tracts will be available until January 18, 2018, at the following Area Headquarters: Deer River Area, Aitkin Area, Hibbing Area, Tower Area, Cloquet Area, Two Harbors Area, Littlefork Area, Northeast Region. Beginning 30 days after the auction date, an unsold intermediate auction tract may be purchased by any registered responsible bidder, i.e., purchase is no longer limited to businesses with 30 or fewer employees.

TRACT X1

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 15.5

Permit Number: X015411
Expiration Date: 05/31/2020

Purchased By: George L. Haapoja
Address: P.O. Box 231, McGregor, MN 55760

of Section 6 - Township 44, Range 22W.
of Section 1 - Township 44, Range 23W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 71	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	175.00	Cd	21.64	3,787.00	37.00	6,475.00
+ PAPER BIRCH	WOODSRUN CORDWOOD	60.00	Cd	10.20	612.00	17.44	1,046.40
+ BID SPECIES	* SOLD ON APPRAISED VOLUME						
					APPRAISED TOTAL =	\$4,399.00	BID TOTAL = \$ 7,521.40
					ADVANCE PAYMENT =	\$659.85	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 96.40 Tons 1.00 96.40

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 1%; Largetooth Aspen 2%; Trembling Aspen 97%.

Season of Operations:

- Conduct sale operations on dry or frozen soil conditions only, except with written permission from State.
- Operate during non-rutting soil conditions. Refer to DNR rutting guidelines.

Sale Conditions:

- Access is across State land and County ROW land.
- Permission to cross County ROW land must be obtained by permittee.
- Provisions of access and /or water crossing permits will become part of sale terms and conditions for this sale.

Marketing Conditions:

Avg. Aspen is 12" DBH and 6 sticks.
Avg. Birch is 8" DBH and 4 sticks.
21 cords/ acre.

Eastern patch will require crossing a 5' wide roadside ditch, but is summer chance.
Western patch operable in very dry summer conditions, and has excellent access off of township rd.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Andrew J. Kett

TRACT X2

COUNTY: CARLTON

AREA: CLOQUET AREA

ACRES: 70.3

Permit Number: X015412
Expiration Date: 05/31/2019

Purchased By:
Address:

UNSOLD

SESE,SWSE of Section 17; NWNW of Section 21; NENE of Section 20; NWSW,SWSW of Section 16 -
Township 49, Range 19W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID:	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ PAPER BIRCH	WOODSRUN CORDWOOD	500.00	Cd	7.14	3,570.00	7.14	3,570.00
+ RED OAK	WOODSRUN MIXED PRODUCTS	350.00	Cd	6.78	2,373.00	6.78	2,373.00
+ SUGAR MAPLE	WOODSRUN CORDWOOD	320.00	Cd	7.14	2,284.80	7.14	2,284.80
+ ASPEN SPECIES	WOODSRUN CORDWOOD	150.00	Cd	15.18	2,277.00	15.18	2,277.00
	BASSWOOD	50.00	Cd	5.95	297.50	5.95	297.50
	ANY LISTED SPECIES	1,000.00	Tons	0.70	700.00	0.70	700.00

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL =	\$11,502.30	BID TOTAL = \$	11,502.30
ADVANCE PAYMENT =	\$1,725.35		

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Largetooth Aspen 60%; Trembling Aspen 40%.

Mixed Product Description:

Red Oak Woodsrun Mixed Products includes: Bolts 30%; Pulpwood 20%; Sawtimber 50%.

Marketing Conditions:

Price has been reduced due to salvage. Approximately 5% has 75-95% damage, 20% has 50-75% damage, and 25% has 15-50% damage.

This is a 2 summer sale due to salvage timber.

- Paper birch averages 10" dia. and 3 sticks
- Maple averages 8" dia. and 3 sticks
- Red oak logs averages 16"dia. and 1.25 logs
- Red oak cordwood averages 10"dia. and 3 sticks

The boundary was painted with blue paint before the blowdown event and needed to be adjusted. Lines have been repainted with red paint and all blue paint is to be ignored.

Reserve patches are group openings that were previously cut for oak regeneration and cannot have haul roads in them or be used as landings. No dozer work will be allowed in reserve patches.

Access will follow existing routes to the stand boundary. Little road work will be needed

Price Adjustments:

- Road Construction Costs: +5%
- Haul Distance to Nearest Mill: +5%
- Stand Density: 0%
- Operational Constraints: 0%
- Other Price Factor: -40%

Appraiser:

Randall N. Guetersloh

TRACT X3

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 18.0

Permit Number: X015413
Expiration Date: 05/31/2020

Purchased By: Greg Cook Logging Inc.
Address: 35367 Cty Rd 237, Bigfork, MN 56628

SWSE of Section 13 - Township 49, Range 23W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 126	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	300.00	Cd	21.68	6,504.00	49.00	14,700.00
+ NORTHERN HARDWOODS	WOODSRUN CORDWOOD	66.00	Cd	10.20	673.20	23.05	1,521.30
BALSAM FIR	WOODSRUN CORDWOOD	20.00	Cd	12.75	255.00	12.75	255.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$7,432.20	BID TOTAL = \$ 16,476.30
				ADVANCE PAYMENT =		\$1,114.83	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 265.00 Tons 1.00 265.00

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Largetooth Aspen 10%; Trembling Aspen 90%.
Northern Hardwoods Woodsrun Cordwood includes: Paper Birch 55%; Red Maple 25%; Sugar Maple 20%.

Season of Operations:

- Conduct sale operations on dry/frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state land.

Marketing Conditions:

Aspen average diameter is 8 inches, mostly quaking with some bigtooth mixed in. 5-6 sticks. Birch average diameter is 8", 4 sticks. Sale is located on the south side of 492nd Lane.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Derek Duane Wagner

TRACT X4

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 20.5

Permit Number: X015414
Expiration Date: 05/31/2020

Purchased By: Greg Cook Logging Inc.
Address: 35367 Cty Rd 237, Bigfork, MN 56628

NENE,NWNE of Section 12 - Township 49, Range 23W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 127	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	540.00	Cd	21.68	11,707.20	49.21	26,573.40
NORTHERN HARDWOODS	WOODSRUN CORDWOOD	47.00	Cd	10.20	479.40	10.20	479.40
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$12,186.60	BID TOTAL = \$	27,052.80
				ADVANCE PAYMENT =	\$1,827.99		

Optional Timber (may be purchased with an Added Timber Agreement):

NORWAY PINE	WOODSRUN MIXED PRODUCTS	6.00	Cd	20.91	125.46		
ANY LISTED SPECIES	BIOMASS	280.00	Tons	1.00	280.00		

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Largetooth Aspen 10%; Trembling Aspen 90%.
Northern Hardwoods Woodsrun Cordwood includes: Paper Birch 65%; Red Maple 30%; Sugar Maple 5%.

Mixed Product Description:

Norway Pine Woodsrun Mixed Products includes: Bolts 40%; Pulpwood 60%.

Season of Operations:

- Conduct sale operations on dry/frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state land.

Marketing Conditions:

Sale is located on the south side of 510th Lane in section 12 of Shamrock township. Aspen average is 8-10", maple 8", birch 8", and optional pine 5-8" in diameter. The eastern area of the sale may have soils more sensitive to rutting, extra drying time may be required.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Derek Duane Wagner

TRACT X5

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 94.0

Permit Number: X015415
Expiration Date: 05/31/2019

Purchased Over-the-Counter Date: 01/20/2017

Purchased By: Great Northern Logging Inc.
Address: 33403 - 143rd St, Pierz, MN 56364

NESE,NESW,NWSE,NWSW,SESE,SESW,SWSE,SWSW of Section 25; NENW of Section 36 - Township 49, Range 26W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 0	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ NORTHERN HARDWOODS	WOODSRUN MIXED PRODUCTS	1,405.00	Cd	14.38	20,203.90	14.38	20,203.90
+ ASPEN SPECIES	WOODSRUN CORDWOOD	705.00	Cd	20.38	14,367.90	20.38	14,367.90
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$34,571.80	BID TOTAL = \$ 34,571.80
				ADVANCE PAYMENT =		\$5,185.77	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 1,100.00 Tons 1.00 1,100.00

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 1%; Paper Birch 11%; Trembling Aspen 88%.
Northern Hardwoods Woodsrun Mixed Products includes: Ash 12%; Basswood 10%; Bur Oak 75%; Red Maple 3%.

Mixed Product Description:

Northern Hardwoods Woodsrun Mixed Products includes: Bolts 15%; Pulpwood 85%.

Season of Operations:

- Conduct sale operations on extremely dry/ frozen soil conditions only, except with written permission from State.
- Frozen ground access across state.

Sale Conditions:

- Access is across state land.
- Permission to cross private land must be obtained by permittee.

Marketing Conditions:

This sale is located 1 mile south east of the intersection at US Hwy 169 and county Rd 3. (Robinsons's Corner)

The wood is of good quality and volume per acre.
Bur oak averages 4 sticks and 8-14" dbh.
Aspen is mostly 6-7 sticks and 12-18" dbh.
The other northern hardwoods are generally 3-4 sticks and vary in diameter from 6-18".

Price Adjustments:

- Road Construction Costs: 0%
- Haul Distance to Nearest Mill: 0%
- Stand Density: 0%
- Operational Constraints: 0%
- Other Price Factor: 0%

Appraiser:

Steven Anthony Sovinski

TRACT X6

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 17.5

Permit Number: X015416
Expiration Date: 05/31/2019

Purchased By: George L. Haapoja
Address: P.O. Box 231, McGregor, MN 55760

NESE,NWSW of Section 33 - Township 50, Range 22W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 81	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	378.00	Cd	21.68	8,195.04	39.24	14,832.72
+ NORTHERN HARDWOODS	WOODSRUN CORDWOOD	60.00	Cd	8.81	528.60	15.95	957.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$8,723.64	BID TOTAL = \$	15,789.72
				ADVANCE PAYMENT =	\$1,308.55		

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 214.00 Tons 1.00 214.00

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 4%; Largetooth Aspen 1%; Trembling Aspen 95%.
Northern Hardwoods Woodsrun Cordwood includes: Ash 12%; Basswood 30%; Paper Birch 12%; Red Maple 35%; Sugar Maple 11%.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state land.

Marketing Conditions:

Aspen average is 8-10" with a small amount of BAM mixed in. Other hardwoods are variable in size. Adjacent stand to the north is aspen regen with a couple of trails running through it that may be utilized.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Derek Duane Wagner

TRACT X7

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 65.0

Permit Number: X015417
Expiration Date: 05/31/2019

Purchased By: Greg Cook Logging Inc.
Address: 35367 Cty Rd 237, Bigfork, MN 56628

NESW,NWNE,NWSE,NWSW,SENE,SWNE of Section 16 - Township 50, Range 26W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 108	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	1,180.00	Cd	21.68	25,582.40	45.09	53,206.20
MAPLE SPECIES	WOODSRUN CORDWOOD	135.00	Cd	10.20	1,377.00	10.20	1,377.00
BASSWOOD	WOODSRUN MIXED PRODUCTS	130.00	Cd	9.18	1,193.40	9.18	1,193.40
PAPER BIRCH	WOODSRUN MIXED PRODUCTS	110.00	Cd	10.88	1,196.80	10.88	1,196.80
+ RED OAK	WOODSRUN MIXED PRODUCTS	100.00	Cd	15.98	1,598.00	33.24	3,324.00
ASH	WOODSRUN CORDWOOD	40.00	Cd	5.95	238.00	5.95	238.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$31,185.60	BID TOTAL = \$ 60,535.40
				ADVANCE PAYMENT =		\$4,677.84	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 825.00 Tons 1.00 825.00

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 2%; Trembling Aspen 98%.
Maple Species Woodsrun Cordwood includes: Red Maple 70%; Sugar Maple 30%.

Mixed Product Description:

Basswood Woodsrun Mixed Products includes: Bolts 10%; Pulpwood 90%.
Paper Birch Woodsrun Mixed Products includes: Bolts 10%; Pulpwood 90%.
Red Oak Woodsrun Mixed Products includes: Bolts 10%; Pulpwood 90%.

Season of Operations:

- Conduct sale operations on dry / frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state land.

Marketing Conditions:

Sale Location: From Swatara go south on Aitkin County road 29 4.8 miles, to state MMR 1689. Sale is located 1.9 miles east on the minimum maintenance road which turns into a winter road that needs to be brushed out.

Possible access also from the south off MMR 1687. Coming from this routes requires a 40' drainage crossing.

Most likely winter wood due to clay soils on access roads and a 40' drainage crossing from the south

Average tree: 650 cds. of Aspen 50 years old; 9-11"; 7-8 stick. Remaining Aspen 65-70 yrs old; 12-15". Hardwoods 95 years old; 10-14"; below average quality.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: +10%
Operational Constraints: -10%

Other Price Factor: 0%

Appraiser:

Matthew P. Huseby

(Appraisal ID 11914-0; Cutting Block ID 13983-0)

TRACT X8

COUNTY: AITKIN

AREA: AITKIN AREA

ACRES: 24.5

Permit Number: X015418
Expiration Date: 05/31/2020

Purchased By: Michael H. Rieger
Address: 61559 Co. Road 26, Northome, MN 56661

NESW,NWSW,SENW,SWNW of Section 15 - Township 51, Range 26W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 123	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	515.00	Cd	22.76	11,721.40	50.75	26,136.25
RED MAPLE	WOODSRUN CORDWOOD	40.00	Cd	10.71	428.40	10.71	428.40
PAPER BIRCH	WOODSRUN CORDWOOD	10.00	Cd	10.71	107.10	10.71	107.10
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$12,256.90	BID TOTAL = \$	26,671.75
				ADVANCE PAYMENT =	\$1,838.54		

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES	BIOMASS	267.00 Tons	1.00	267.00
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Season of Operations:

- Sale is summer access.

Slash Disposal:

- All slash and tops must be cleaned off the Northwoods ATV Trail daily.

Landings Roads and Trails:

- Recreation trail may not be used as access.

Marketing Conditions:

This sale is summer access.
Aspen is 22 cds/acre 8-10 inch diameter.
Sale is located off Twmp. Rd. 615th Lane north of Swatara.

Price Adjustments:

Road Construction Costs: +10%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: -5%
Other Price Factor: 0%

Appraiser:

Jeffrey S. Nelson

TRACT X9

COUNTY: ST. LOUIS

AREA: CLOQUET AREA

ACRES: 14.0

Permit Number: X015419
 Expiration Date: 05/31/2020

Purchased By: Douglas Hustad Logging Inc.
Address: 4566 W Raymond Rd, Gilbert, MN 55741

SESE,SWSE of Section 16 - Township 53, Range 13W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 17	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ NORWAY PINE	WOODSRUN MIXED PRODUCTS	465.00	Cd	42.16	19,604.40	49.33	22,938.45
+ WHITE SPRUCE	WOODSRUN MIXED PRODUCTS	75.00	Cd	28.90	2,167.50	33.81	2,535.75
BALSAM FIR	WOODSRUN CORDWOOD	10.00	Cd	12.75	127.50	12.75	127.50
JACK PINE	WOODSRUN MIXED PRODUCTS	10.00	Cd	33.92	339.20	33.92	339.20
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$22,238.60	BID TOTAL = \$ 25,940.90
				ADVANCE PAYMENT =		\$3,335.79	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES	BIOMASS	285.00 Tons	1.00	285.00
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Mixed Product Description:

Jack Pine Woodsrun Mixed Products includes: Bolts 85%; Pulpwood 15%.
 Norway Pine Woodsrun Mixed Products includes: Bolts 50%; Pulpwood 10%; Sawtimber 40%.
 White Spruce Woodsrun Mixed Products includes: Bolts 90%; Pulpwood 10%.

Cutting and Felling:

- Full tree skidding required.

Season of Operations:

- Conduct sale operations on frost-free soil conditions only, except with written permission from State.

Site, Soil and Water Protection:

- Spotted Knapweed is located in areas near ROW.TSA may require use of a power washer or air compressor weekly.

Landings Roads and Trails:

- Post "Trucks Hauling" signs 200 feet beyond either end of road/trail section being used.
- Haul roads must be regularly maintained in a safe and usable condition.
- Do not block road and maintain road for traffic.

Sale Conditions:

- Access is across state land.

Marketing Conditions:

Norway Pine averages 6 sticks and 14"DBH. Price adjusted as follows: up 10% easy access, up 10% due to stand density, down 10% due to full tree skidding and down 10% due to Spotted Knapweed. Overall no change .

Price Adjustments:

- Road Construction Costs: +10%
- Haul Distance to Nearest Mill: 0%
- Stand Density: +10%
- Operational Constraints: -10%
- Other Price Factor: -10% (Invasive species)

Appraiser:

James G. Kelley

(Appraisal ID 12498-0; Cutting Block ID 14571-0)

TRACT X10

COUNTY: ST. LOUIS

AREA: CLOQUET AREA

ACRES: 126.8

Permit Number: X015420
Expiration Date: 05/31/2020

Purchased By: Jatco, Inc.
Address: 121 W Lemon St, Duluth, MN 55811

GL09 of Section 6 - Township 53, Range 16W.
GL04, SENW, SESW, SWNW, SWSE, SWSW of Section 2; GL01, GL03, SENE, SENW, SWNE of Section 3 - Township 53, Range 17W.
NENW, NESE, NESW, NWNW, NWSE, SENW, SESE, SESW, SWNW, SWSE, SWSW of Section 36 - Township 54, Range 17W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 7	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ MIXED SPRUCE	WOODSRUN CORDWOOD	620.00	Cd	12.24	7,588.80	13.10	8,122.00
+ NORWAY PINE	WOODSRUN MIXED PRODUCTS	610.00	Cd	12.86	7,844.60	13.76	8,393.60
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	600.00	Cd	19.51	11,706.00	20.88	12,528.00
+ TAMARACK	WOODSRUN CORDWOOD	300.00	Cd	4.59	1,377.00	4.91	1,473.00
+ BALSAM FIR	WOODSRUN MIXED PRODUCTS	230.00	Cd	12.63	2,904.90	13.51	3,107.30
ASH	WOODSRUN CORDWOOD	40.00	Cd	5.36	214.40	5.36	214.40

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL = \$31,635.70
ADVANCE PAYMENT = \$4,745.36
BID TOTAL = \$ 33,838.30

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 1,050.00 Tons 0.90 945.00

Mixed Species Description:

Mixed Spruce Woodsrun Cordwood includes: Black Spruce 95%; White Spruce 5%.

Mixed Product Description:

Balsam Fir Woodsrun Mixed Products includes: Bolts 10%; Pulpwood 90%.
Norway Pine Woodsrun Mixed Products includes: Bolts 27%; Pulpwood 73%.

Cutting and Felling:

- Harvest aspen, black spruce, tamarack, ash, balsam 3 sticks & larger and all pine & white spruce marked with yellow paint (Cutting Block 2).
- Harvest aspen, black spruce, unmarked tamarack & ash, balsam 3 sticks & larger, and all pine & white spruce marked with yellow paint (Cutting Block 1).
- Multiple cutting block sale, see individual cutting blocks for specifications (Cutting Blocks 1 and 2).
- Reserve cedar, maple, birch, 1-2 large diameter aspen and tamarack per acre, unmarked pine & white spruce, and in clear-cuts reserve aspen, maple, birch, spruce regen and all balsam less than 3 sticks wherever possible. Clumps of these reserves are preferred where they exist or as possible (Cutting Block 2).
- Reserve cedar, maple, birch, 1-2 large diameter aspen per acre, pink painted ash & tamarack seed trees, unmarked pine & white spruce, and in clear-cuts reserve aspen, maple, birch, spruce regen and all balsam less than 3 sticks wherever possible. Clumps of these reserves are preferred where they exist or as possible (Cutting Block 1).
- In thinning areas, we recommend processing timber at the stump and forwarding cut products to the landing to minimize residual stand damage (Cutting Blocks 1 and 2).

Season of Operations:

Season of Operations (Continued):

- The Timber Sale Administrator (TSA) can allow or stop permit operations to minimize rutting, root damage, bark slippage, beetle infestations or wildfire risk. If excessive damage is occurring, the TSA will stop operations until site conditions improve. For pine thinning operations the following restrictions apply to cut pine greater than 3 inch diameter:

December 1 to May 31: Pine cut in this period must be hauled or destroyed by June 1.

June 1 to August 31: Pine cut in this period must be hauled or destroyed within 3 weeks.

September 1 to November 30: No special restrictions for pine cut in this period (Cutting Blocks 1 and 2).

- Conduct sale operations on dry/frozen soil conditions only, except with written permission from State (Cutting Blocks 1 and 2).

- The majority of the upland acres may be accessible in the summer given the right dry conditions chance; however, the winter access stands and Black Spruce Lowland types will only be accessible under frozen ground soil conditions (Cutting Blocks 1 and 2).

Sale Conditions:

- Access is across State and private land (Cutting Block 2).

- Access is across county and private land (Cutting Block 1).

- An access permit across county land has been applied for and its provisions of access will become part of this sale agreement (Cutting Block 1).

Site Prep and Landing Contracts:

- Private landowner sounded open to discussing access to stands 49 and 59 (Cutting Block 2).

Marketing Conditions:

Aspen 8-11" DBH 5-6 sticks

Balsam 7-9" DBH 3-5 sticks

Pine 7-10" DBH 3-5 sticks

Spruce 7-9" DBH 3-4 sticks

Tamarack 9-11" DBH 5-6 sticks

Ash 7-9" DBH 3-5 sticks

Pine stand cut trees are marked leaving a residual basal area ranging from 80-140, this is why equipment that can process at the stump is recommended to limit damage to the residual stand.

Pine price is reduced 25% due to first thinning

This permit includes ash as a harvest species; and, at the time of purchase, is within the Ash Quarantine Area. An MDA Compliance Agreement will be required to transport ash outside of the quarantine area. Contact MDA Regulatory Specialist Katy Longen at: 651-201-6245 or Kathryne.longen@state.mn.us to obtain a compliance agreement.

Cutting Block 1 (#13909) is 1050 cords

Cutting Block 2 (#13910) is 1350 cords

Contact Appraiser Wes Habedank

Floodwood Field Station

Phone # 218-476-7022

Price Adjustments:

Road Construction Costs: 0%

Haul Distance to Nearest Mill: +5%

Stand Density: -10%

Operational Constraints: -5%

Other Price Factor: 0%

Appraiser:

Wesley J. Habedank

TRACT X11

COUNTY: LAKE

AREA: TWO HARBORS AREA

ACRES: 129.1

Permit Number: X015421
Expiration Date: 05/31/2020

Purchased By:
Address:

UNSOLD

NWNE of Section 35; NENW,NWNW,NWSW,SESW,SWNW,SWSE of Section 26 - Township 56, Range 8W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID: _____	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ BALSAM FIR	WOODSRUN CORDWOOD	525.00	Cd	11.47	6,021.75	11.47	6,021.75
+ ASPEN SPECIES	WOODSRUN CORDWOOD	335.00	Cd	18.99	6,361.65	18.99	6,361.65
+ NORTHERN HARDWOODS	WOODSRUN CORDWOOD	145.00	Cd	8.57	1,242.65	8.57	1,242.65
WHITE SPRUCE	WOODSRUN MIXED PRODUCTS	60.00	Cd	16.68	1,000.80	16.68	1,000.80
* ANY LISTED SPECIES	BIOMASS	500.00	Tons	0.90	450.00	0.90	450.00

+ BID SPECIES

* SOLD ON APPRAISED VOLUME

APPRAISED TOTAL = \$15,076.85
ADVANCE PAYMENT = \$2,261.53

BID TOTAL = \$ 15,076.85

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 15%; Trembling Aspen 85%.

Northern Hardwoods Woodsrun Cordwood includes: Ash 16%; Paper Birch 77%; Red Maple 1%; Sugar Maple 6%.

Mixed Product Description:

White Spruce Woodsrun Mixed Products includes: Bolts 29%; Pulpwood 71%.

Marketing Conditions:

Balsam fir averages 3 sticks and 7" dbh. Aspen averages 4-5 sticks and 7" dbh.

Price Adjustments:

- Road Construction Costs: 0%
- Haul Distance to Nearest Mill: 0%
- Stand Density: 0%
- Operational Constraints: -10%
- Other Price Factor: 0%

Appraiser:

Karen L. Updegraff

TRACT X12

COUNTY: ST. LOUIS

AREA: HIBBING AREA

ACRES: 103.1

Permit Number: X015422
 Expiration Date: 05/31/2019

Purchased By: Jatco, Inc.
Address: 121 W Lemon St, Duluth, MN 55811

NESW,SWNW of Section 11; SENE of Section 10; NENE,NESE,NWNE,NWSE,SENE,SESE,SWNE,SWSE of Section 16 - Township 56, Range 17W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 31	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	635.00	Cd	20.60	13,081.00	26.99	17,138.65
BLACK SPRUCE	WOODSRUN CORDWOOD	490.00	Cd	12.92	6,330.80	12.92	6,330.80
+ PINE SPECIES	WOODSRUN MIXED PRODUCTS	300.00	Cd	30.85	9,255.00	40.41	12,123.00
TAMARACK	WOODSRUN CORDWOOD	140.00	Cd	4.85	679.00	4.85	679.00
BALSAM FIR	WOODSRUN CORDWOOD	5.00	Cd	12.11	60.55	12.11	60.55

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL = \$29,406.35
 ADVANCE PAYMENT = \$4,410.95
 BID TOTAL = \$ 36,332.00

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 400.00 Tons 0.95 380.00

Mixed Species Description:

Pine Species Woodsrun Mixed Products includes: Norway Pine 90%; White Pine 10%.

Mixed Product Description:

Pine Species Woodsrun Mixed Products includes: Bolts 80%; Pulpwood 20%.

Cutting and Felling:

- Fell all live black spruce equal to or greater than 5 feet tall.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.
- Frozen ground access across private land to Block 2.

Landings Roads and Trails:

- Recreation trail may be used as access.
- A minimum of four inches of snow must be left on the recreation trail from Dec. 1 - March 31.

Sale Conditions:

- Permission to cross private land must be obtained by permittee.
- Access is on existing roads across county, state, and private land. New skid trail construction of approximately 1/5 mile on Block 2.

Marketing Conditions:

Block 1
 Aspen: 43 years old, 4-5 sticks, 8-11" DBH, 25 cds/acre
 Pine: 7-9 sticks, ave 14" DBH
 Early winter chance.

Block 2 is a reoffer of an expired permit.
 Black spruce: 2-4 sticks, 5"-11" DBH
 Tamarack: avg. 4 sticks, 7"-13" DBH
 Volume average of 12 cds/acre

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: -5%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Megan J. Eiting

(Appraisal ID 12463-0; Cutting Block ID 14544-0)

TRACT X13

COUNTY: LAKE

AREA: TWO HARBORS AREA

ACRES: 81.5

Permit Number: X015423

Purchased Over-the-Counter Date: 01/20/2017

Expiration Date: 05/31/2020

Purchased By: Tibbetts Trucking

Address: 6389 Lax Lake Rd, Finland, MN 55603

NESE,NESW,NWNE,NWSE,SENE,SENE,SESE,SWNE,SWSE of Section 29 - Township 57, Range 8W.

NESE,SENE of Section 29; NWSW of Section 28 - Township 57, Range 8W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 0	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ NORTHERN HARDWOODS	WOODSRUN CORDWOOD	870.00	Cd	8.16	7,099.20	8.16	7,099.20
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$7,099.20	BID TOTAL = \$ 7,099.20
				ADVANCE PAYMENT =		\$1,064.88	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 535.00 Tons 0.80 428.00

Mixed Species Description:

Northern Hardwoods Woodsrunk Cordwood includes: Paper Birch 6%; Red Maple 5%; Sugar Maple 89%.

Cutting and Felling:

- Harvest one third volume of the stand by removing paper birch and maple. Reserve trees should retain a basal area between 75-85 sq. ft. Within the gap cuts identified on the map harvest all paper birch and maple for a radius of 80 ft (Cutting Block 2).
- Harvest paper birch and maple down to basal area between 40-50 sq. ft. Reserve tree spacing is approximately every 40-45 ft (Cutting Block 1).

Season of Operations:

- Conduct sale operations on dry or frozen soil conditions only, except with written permission from State (Cutting Blocks 1 and 2).

Landings Roads and Trails:

- When sale is completed, plug access trail entrance with slash/root wads at least 3 feet deep and covering the first 50 feet of the access road (Cutting Blocks 1 and 2).

Sale Conditions:

- Access is across state land (Cutting Block 2).
- Access is across state and county land (Cutting Block 1).
- Permission to cross county land must be obtained by permittee (Cutting Block 1).

Marketing Conditions:

Averages:
paper birch 10" DBH, 4 stick
maple species 9" DBH, 3.5 stick

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: -10%
Operational Constraints: -10%
Other Price Factor: 0%

Appraiser:

Jason A. Bushmaker

TRACT X14

COUNTY: ST. LOUIS

AREA: HIBBING AREA

ACRES: 15.1

Permit Number: X015424
Expiration Date: 05/31/2020

Purchased By: Michael H. Rieger
Address: 61559 Co. Road 26, Northome, MN 56661

NENE,NWNE of Section 36 - Township 59, Range 21W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 48	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ PINE SPECIES	WOODSRUN MIXED PRODUCTS	290.00	Cd	18.93	5,489.70	28.02	8,125.80
NORTHERN HARDWOODS	WOODSRUN CORDWOOD	15.00	Cd	14.97	224.55	14.97	224.55
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$5,714.25	BID TOTAL = \$	8,350.35
				ADVANCE PAYMENT =	\$857.14		

Mixed Species Description:

Northern Hardwoods Woodsrun Cordwood includes: Paper Birch 15%; Trembling Aspen 85%.
Pine Species Woodsrun Mixed Products includes: Jack Pine 3%; Norway Pine 97%.

Mixed Product Description:

Pine Species Woodsrun Mixed Products includes: Bolts 55%; Pulpwood 45%.

Cutting and Felling:

- Trees must be processed at the stump and cut products forwarded to the landing.

Season of Operations:

- Conduct sale operations on dry / frozen soil conditions only, except with written permission from State.

Slash Disposal:

- Biomass harvest is not allowed on this permit.

Sale Conditions:

- Access is across existing roads on Hibbing Taconite and St. Louis County land.
- Several areas need gravel and reshaping for summer hauling.

Marketing Conditions:

Pine Species: 8" DBH 5-6 Sticks
Northern Hardwoods 6-7" DBH 4 Sticks
Average Basal Area is 180

Price reduced 25% due to first entry thin.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Andrew E. Carlson

TRACT X15

COUNTY: ST. LOUIS

AREA: HIBBING AREA

ACRES: 15.7

Permit Number: X015425
Expiration Date: 05/31/2019

Purchased By: John Rolle Logging Inc.
Address: 1200 - 5th Ave. NW, Chisholm, MN 55719

NESE,NESW,NWSE of Section 12 - Township 59, Range 21W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 41	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ PINE SPECIES	WOODSRUN MIXED PRODUCTS	415.00	Cd	26.69	11,076.35	37.63	15,616.45
+ MIXED SPRUCE	WOODSRUN MIXED PRODUCTS	80.00	Cd	20.40	1,632.00	28.76	2,300.80
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	50.00	Cd	21.68	1,084.00	30.57	1,528.50
BALSAM FIR	WOODSRUN CORDWOOD	5.00	Cd	12.75	63.75	12.75	63.75
NORTHERN HARDWOODS	WOODSRUN CORDWOOD	5.00	Cd	10.20	51.00	10.20	51.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$13,907.10	BID TOTAL = \$	19,560.50
				ADVANCE PAYMENT =	\$2,086.07		

Mixed Species Description:

Mixed Spruce Woodsrun Mixed Products includes: Black Spruce 5%; White Spruce 95%.
Northern Hardwoods Woodsrun Cordwood includes: Paper Birch 50%; Red Maple 50%.
Pine Species Woodsrun Mixed Products includes: Jack Pine 99%; Norway Pine 1%.

Mixed Product Description:

Mixed Spruce Woodsrun Mixed Products includes: Bolts 40%; Pulpwood 60%.
Pine Species Woodsrun Mixed Products includes: Bolts 60%; Pulpwood 40%.

Cutting and Felling:

- Harvest Jack Pine, Norway Pine, Spruce/Balsam, Aspen, Maple, and Birch and utilize to specified top diameters.
- Full tree skidding is required.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.
- Frozen ground access across State land.

Slash Disposal:

- Lop and scatter slash evenly over the harvest site to within 2 feet of the ground.

Marketing Conditions:

Jack Pine Avg: 6 sticks, 8-10 inch DBH
White Spruce Avg: 5 sticks, 10 inch DBH

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Kirby B. Budrow

TRACT X16

COUNTY: ITASCA

AREA: DEER RIVER AREA

ACRES: 53.0

Permit Number: X015426
Expiration Date: 05/31/2020

Purchased By: Scheff Logging & Trucking Inc.
Address: 48985 State Hwy 38, Marcell, MN 56657

GL01, GL02, GL03, NESE of Section 23 - Township 59, Range 25W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 21	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ MAPLE SPECIES	WOODSRUN MIXED PRODUCTS	336.00	Cd	12.92	4,341.12	15.63	5,251.68
+ PAPER BIRCH	WOODSRUN MIXED PRODUCTS	220.00	Cd	12.92	2,842.40	15.63	3,438.60
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	213.00	Cd	21.68	4,617.84	26.23	5,586.99
+ BASSWOOD	WOODSRUN MIXED PRODUCTS	200.00	Cd	23.29	4,658.00	28.18	5,636.00
	BALSAM FIR	85.00	Cd	12.75	1,083.75	12.75	1,083.75
	ASH	34.00	Cd	11.69	397.46	11.69	397.46
	BLACK SPRUCE	30.00	Cd	13.60	408.00	13.60	408.00
	TAMARACK	10.00	Cd	5.10	51.00	5.10	51.00

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL = \$18,399.57
ADVANCE PAYMENT = \$2,759.94
BID TOTAL = \$ 21,853.48

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 738.00 Tons 1.00 738.00

Mixed Species Description:

Maple Species Woodsrun Mixed Products includes: Red Maple 30%; Sugar Maple 70%.

Mixed Product Description:

Ash Woodsrun Mixed Products includes: Bolts 25%; Pulpwood 50%; Sawtimber 25%.
Basswood Woodsrun Mixed Products includes: Bolts 30%; Pulpwood 10%; Sawtimber 60%.
Maple Species Woodsrun Mixed Products includes: Bolts 40%; Pulpwood 60%.
Paper Birch Woodsrun Mixed Products includes: Bolts 40%; Pulpwood 60%.

Cutting and Felling:

- Harvest paper birch, aspen, maple, balsam fir, black spruce, tamarack, basswood >12" dbh and ash >12" dbh.

Season of Operations:

- Conduct sale operations on dry/ frozen soil conditions only, except with written permission from State.

Landings Roads and Trails:

- Depending on timing of sale operations a culvert and fill may be needed on the access road.

Sale Conditions:

- Access is across Itasca County and State land.
- Permission to cross Itasca County land must be obtained by permittee.
- Itasca County is offering a 1,900 cord sale adjacent to this permit on their December 2nd auction.

Marketing Conditions:

Steep slopes may make harvest operations difficult on some portions of the permit.

Aspen averages 16-24" DBH and 5-6 sticks.
Paper birch averages 7-12" DBH and 3-6 sticks.

Basswood averages 12-22" DBH and 5-7 sticks.
Sugar maple averages 6-18" DBH and 2-5 sticks.
Red Maple averages 8-15" DBH and 3-6 sticks.
Balsam fir averages 6-10" DBH and 2-5 sticks.
Ash averages 12-16" DBH and 4-6 sticks.
Tamarack averages 6-8" DBH and 2-5 sticks.
Black spruce averages 6-8" DBH and 2-5 sticks.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Joshua Matthew Tomlin

(Appraisal ID 12408-0; Cutting Block ID 14492-0)

TRACT X17

COUNTY: ITASCA

AREA: DEER RIVER AREA

ACRES: 17.0

Permit Number: X015427
Expiration Date: 05/31/2020

Purchased By: Michael H. Rieger
Address: 61559 Co. Road 26, Northome, MN 56661

NESW,NWSW,SENW,SWNW of Section 16 - Township 60, Range 24W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 132	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ NORWAY PINE	WOODSRUN MIXED PRODUCTS	462.00	Cd	26.18	12,095.16	60.74	28,061.88
+ JACK PINE	WOODSRUN MIXED PRODUCTS	105.00	Cd	16.64	1,747.20	38.60	4,053.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$13,842.36	BID TOTAL = \$ 32,114.88
				ADVANCE PAYMENT =		\$2,076.35	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 234.00 Tons 1.00 234.00

Mixed Product Description:

Jack Pine Woodsrun Mixed Products includes: Bolts 20%; Pulpwood 80%.
Norway Pine Woodsrun Mixed Products includes: Bolts 50%; Pulpwood 50%.

Cutting and Felling:

- Harvest All Norway pine and jack pine.

Season of Operations:

- Conduct sale operations on dry / frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across State land.

Marketing Conditions:

This is a final harvest, trust fund pine sale.
Norway pine averages 12' DBH, 6 sticks.
Jack pine averages 10" DBH, 5 sticks.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: +10% (Pine clearcut)

Appraiser:

Ryan K. Brubaker

TRACT X18

COUNTY: COOK

AREA: TWO HARBORS AREA

ACRES: 37.0

Permit Number: X015428

Purchased Over-the-Counter Date: 02/28/2017

Expiration Date: 05/31/2020

Purchased By: Stanley A. Nelson, Jr.

Address: 180 County Road 48, Grand Marais, MN 55604

NENW,NWNW of Section 26 - Township 63, Range 1W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 0	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	435.00	Cd	7.59	3,301.65	7.59	3,301.65
+ PAPER BIRCH	WOODSRUN CORDWOOD	245.00	Cd	3.57	874.65	3.57	874.65
+ BLACK SPRUCE	WOODSRUN CORDWOOD	70.00	Cd	4.76	333.20	4.76	333.20
BALSAM FIR	WOODSRUN CORDWOOD	15.00	Cd	4.46	66.90	4.46	66.90

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL =	\$4,576.40	BID TOTAL = \$	4,576.40
ADVANCE PAYMENT =	\$686.46		

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES	BIOMASS	420.00 Tons	0.35	147.00
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Cutting and Felling:

- Harvest all aspen, birch, spruce, and balsam fir.
- Reserve all cedar and white pine. Reserve 3-1/2 acre patches as directed by TSA.

Season of Operations:

- Conduct sale operations on frozen/dry soil conditions only, except with written permission from State.
- Frozen ground access across USFS lands.

Sale Conditions:

- Access is across USFS land.

Marketing Conditions:

Aspen ave 5-6 stks, 14" DBH
 Birch ave 4-5 stks, 8" DBH
 Cook County price reduction of 65%
 USFS timber unit to west of cutting block

Price Adjustments:

Road Construction Costs: 0%
 Haul Distance to Nearest Mill: 0%
 Stand Density: 0%
 Operational Constraints: 0%
 Other Price Factor: -65% (Cook County Reduction)

Appraiser:

Aaron J. Mielke

TRACT X19

COUNTY: ST. LOUIS

AREA: TOWER AREA

ACRES: 88.6

Permit Number: X015429
Expiration Date: 05/31/2019

Purchased By:
Address:

UNSOLD

NWSW of Section 5; NESE of Section 6 - Township 63, Range 18W.
NWNW of Section 8 - Township 63, Range 18W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID:	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ NORWAY PINE	WOODSRUN CORDWOOD	255.00	Cd	7.14	1,820.70	7.14	1,820.70
+ ASPEN SPECIES	WOODSRUN CORDWOOD	195.00	Cd	12.94	2,523.30	12.94	2,523.30
+ NORTHERN HARDWOODS	WOODSRUN CORDWOOD	130.00	Cd	5.79	752.70	5.79	752.70
+ WHITE SPRUCE	WOODSRUN CORDWOOD	45.00	Cd	8.16	367.20	8.16	367.20
* MIXED CONIFERS	WOODSRUN CORDWOOD	6.00	Cd	7.01	42.06	7.01	42.06

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL =	\$5,505.96	BID TOTAL = \$	5,505.96
ADVANCE PAYMENT =	\$825.89		

Optional Timber (may be purchased with an Added Timber Agreement):

* ANY LISTED SPECIES	BIOMASS	350.00 Tons	0.60	210.00
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Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 1%; Largetooth Aspen 4%; Trembling Aspen 95%.
Mixed Conifers Woodsrun Cordwood includes: Balsam Fir 95%; Black Spruce 3%; Tamarack 3%.
Northern Hardwoods Woodsrun Cordwood includes: Ash 8%; Paper Birch 42%; Red Maple 50%.

Cutting and Felling:

- Between thinning lanes, suppressed or malformed trees should be removed first. TSA reserves the right to alter thinning specifications as needed to prevent residual tree damage. Full-tree skidding is desirable in hardwood stand 175 (Cutting Blocks 1 and 2).

Season of Operations:

- Conduct sale operations on dry/ frozen soil conditions only, except with written permission from State (Cutting Blocks 1 and 2).
- Summer access with full-tree skidding is desirable for hardwood stand 175 (Cutting Block 2).
- For all pine thinnings, the Timber Sale Administrator (TSA) has authority to delay the start-up of operations or halt all operations until unacceptable damage due to bark slippage and soil conditions conducive to root damage are mitigated, or the risk of bark beetle infestations are reduced.
For pine thinning operations from August 1 to March 10th, or the onset of spring road restrictions, all cut pine products and all pine slash >3 inches in diameter must be hauled from the pine sale area or destroyed (debarked, chipped, or burned) before spring road restrictions are implemented.
For pine thinning operations from March 11th to July 31st, all cut pine products and all pine slash >3 inches in diameter must be hauled from the pine sale area or destroyed (debarked, chipped, or burned) within 3 weeks of their creation (Cutting Blocks 1 and 2).

Sale Conditions:

- Access is across state land (Cutting Block 2).
- Access is across state and county land (Cutting Block 1).
- Provisions of access and /or water crossing permits will become part of sale terms and conditions for this sale (Cutting Block 1).

Marketing Conditions:

Aspen averages 11" and 4-6 sticks. Pine in thinning areas averages 9" and 3-4 sticks.

Sale is a partial re-offer. Base price reduced 40% for low-volume aspen, first-entry pine thinning and access constraints.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: -10%
Operational Constraints: -10%
Other Price Factor: -20% (Reoffer + first-entry thinning)

Appraiser:

Karen L. Updegraff

(Appraisal ID 12291-0; Cutting Block ID 14351-0, 14321-0)

TRACT X20

COUNTY: KOOCHICHING

AREA: LITTLEFORK AREA

ACRES: 52.0

Permit Number: X015430
Expiration Date: 05/31/2019

Purchased By: DeLack Logging Inc.
Address: PO Box 354, Littlefork, MN 56653

SENW,SWNW of Section 13 - Township 65, Range 25W.
GL10,GL13,GL14,SWSE of Section 7 - Township 65, Range 24W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 20	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	610.00	Cd	24.71	15,073.10	29.65	18,086.50
+ BALSAM FIR	WOODSRUN CORDWOOD	145.00	Cd	14.66	2,125.70	17.59	2,550.55
+ MIXED SPRUCE	WOODSRUN CORDWOOD	130.00	Cd	15.64	2,033.20	18.77	2,440.10
+ NORTHERN HARDWOODS	WOODSRUN CORDWOOD	100.00	Cd	11.49	1,149.00	13.79	1,379.00
TAMARACK	WOODSRUN CORDWOOD	100.00	Cd	5.86	586.00	5.86	586.00

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL = \$20,967.00
ADVANCE PAYMENT = \$3,145.05
BID TOTAL = \$ 25,042.15

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 668.00 Tons 1.00 668.00

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 5%; Trembling Aspen 95%.
Mixed Spruce Woodsrun Cordwood includes: Black Spruce 72%; White Spruce 28%.
Northern Hardwoods Woodsrun Cordwood includes: Ash 5%; Paper Birch 85%; Red Maple 10%.

Cutting and Felling:

- Fell all live black spruce equal to or greater than 5 feet tall.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state and county land.
- Permission to cross county land must be obtained by permittee.

Marketing Conditions:

Aspen Species: Avg 12" DBH, 6-7 stick, 55 years old.
Mixed Spruce: White spruce avg 9" DBH, 6 stick; black spruce runs 4 stick, avg 7" DBH.
Balsam fir: Avg 7" DBH, 2-3 stick.
N. Hardwoods: Avg 8" DBH, 2-3 stick.
Tamarack: Avg 9" DBH, 5 stick.

Price Adjustments:

Road Construction Costs: +10%
Haul Distance to Nearest Mill: +5%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Simon Cain

TRACT X21

COUNTY: ST. LOUIS

AREA: TOWER AREA

ACRES: 66.2

Permit Number: X015431

Expiration Date: 05/31/2019

Purchased By: DeLack Logging Inc.

Address: PO Box 354, Littlefork, MN 56653

NENW,NWNE,NWNW,SENW,SWNW of Section 36 - Township 66, Range 21W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 90	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	1,330.00	Cd	23.76	31,600.80	45.14	60,036.20
BALSAM FIR	WOODSRUN CORDWOOD	110.00	Cd	14.03	1,543.30	14.03	1,543.30
NORTHERN HARDWOODS	WOODSRUN CORDWOOD	40.00	Cd	10.52	420.80	10.52	420.80
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$33,564.90	BID TOTAL = \$	62,000.30
				ADVANCE PAYMENT =	\$5,034.74		

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 625.00 Tons 1.10 687.50

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 2%; Trembling Aspen 98%.
Northern Hardwoods Woodsrun Cordwood includes: Ash 15%; Paper Birch 75%; Red Maple 10%.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state, county and industry land.

Marketing Conditions:

aspen averages 9-12" dbh and 4-5 sick

Price Adjustments:

Road Construction Costs: +10%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Edward A. Schoon

TRACT X22

COUNTY: KOOCHICHING

AREA: LITTLEFORK AREA

ACRES: 44.5

Permit Number: X015432
Expiration Date: 05/31/2019

Purchased By: Junker Logging Inc.
Address: 5564 Co Rd 8, Littlefork, MN 56653

GL01, GL02, NENW, NWNW, SENE, SWNE of Section 16; NWNW of Section 15;
GL02, NESE, NESW, NWSE, SESW of Section 9 - Township 68, Range 24W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 37	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ BLACK SPRUCE	WOODSRUN CORDWOOD	950.00	Cd	14.96	14,212.00	20.50	19,475.00
TAMARACK	WOODSRUN CORDWOOD	95.00	Cd	5.61	532.95	5.61	532.95
PAPER BIRCH	WOODSRUN CORDWOOD	30.00	Cd	11.22	336.60	11.22	336.60
BALSAM FIR	WOODSRUN CORDWOOD	15.00	Cd	14.03	210.45	14.03	210.45

+ BID SPECIES * SOLD ON APPRAISED VOLUME

APPRAISED TOTAL = \$15,292.00 BID TOTAL = \$ 20,555.00
ADVANCE PAYMENT = \$2,293.80

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 570.00 Tons 1.00 570.00

Cutting and Felling:

- Fell all live black spruce equal to or greater than 5 feet tall.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across State and Molpus land.
- Permission to cross Molpus land must be obtained by permittee.

Marketing Conditions:

Average sizes:
Black spruce 7" dbh, 4 sticks

Access is from hwy 217.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: +10%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: 0%

Appraiser:

Brittney Kathleen King

TRACT X23

COUNTY: KOOCHICHING

AREA: LITTLEFORK AREA

ACRES: 35.5

Permit Number: X015433

Expiration Date: 05/31/2019

Purchased By: DeLack Logging Inc.

Address: PO Box 354, Littlefork, MN 56653

NENE of Section 9; SWSW of Section 3; NWNW of Section 10; GL14 of Section 4 - Township 69, Range 23W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 200	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ BLACK SPRUCE	WOODSRUN CORDWOOD	1,400.00	Cd	14.96	20,944.00	44.88	62,832.00
TAMARACK	WOODSRUN CORDWOOD	10.00	Cd	5.61	56.10	5.61	56.10
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$21,000.10	BID TOTAL = \$ 62,888.10
				ADVANCE PAYMENT =		\$3,150.02	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES	BIOMASS	550.00 Tons	1.00	550.00
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Cutting and Felling:

- Fell all live black spruce equal to or greater than 5 feet tall.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across state and private land.
- Permission to cross private land must be obtained by permittee.

Marketing Conditions:

Black spruce 8" average diameter, 5 sticks/tree

Average BA: 140

If sale is accessed through private property it is the permit holder's responsibility to receive permission from the land owner.

Price adjustments:

- +10% for proximity of nearest mill (<25 miles)
- +10% for stand density (>25 cords/acre)
- 10% for operational constraints due to the 5' cutting rule.

Price Adjustments:

- Road Construction Costs: 0%
- Haul Distance to Nearest Mill: +10%
- Stand Density: +10%
- Operational Constraints: -10%
- Other Price Factor: 0%

Appraiser:

Kirby M. Readman

TRACT X24

COUNTY: CASS

AREA: BACKUS AREA

ACRES: 30.0

Permit Number: X015434
Expiration Date: 05/31/2020

Purchased By: Dukek Logging Inc.
Address: 23873 Timber Trail Drive, Bemidji, MN 56601

NWNW,SENW,SWNW of Section 14 - Township 144, Range 26W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 92	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	495.00	Cd	17.35	8,588.25	33.31	16,488.45
+ ASH	WOODSRUN CORDWOOD	105.00	Cd	4.76	499.80	9.14	959.70
+ BALSAM FIR	WOODSRUN CORDWOOD	80.00	Cd	10.20	816.00	19.58	1,566.40
PAPER BIRCH	WOODSRUN CORDWOOD	25.00	Cd	8.16	204.00	8.16	204.00
BLACK SPRUCE	WOODSRUN CORDWOOD	10.00	Cd	10.88	108.80	10.88	108.80
TAMARACK	WOODSRUN CORDWOOD	10.00	Cd	4.08	40.80	4.08	40.80
RED MAPLE	WOODSRUN CORDWOOD	5.00	Cd	8.16	40.80	8.16	40.80
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$10,298.45	BID TOTAL = \$ 19,408.95
				ADVANCE PAYMENT =		\$1,544.77	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 400.00 Tons 1.00 400.00

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 5%; Trembling Aspen 95%.

Cutting and Felling:

- Harvest all aspen species, balsam fir, birch, ash, tamarack, black spruce and maple inside permit boundaries.

Season of Operations:

- Frozen ground access only.
- Eagles nest restriction on hauling.No hauling within 1/4 mile of HALE3325 after February 14th.

Landings Roads and Trails:

- A road use permit is required to cross USFS land,the state will obtain this permit.

Marketing Conditions:

Aspen Species averages 4 stks, the range is 3-6 stks. Diameter is 6-10 inches.
Ash 4 stk average, diameter 8-12 inches
Balsam Fir 4 stk average, diameter 6-10 inches
Paper Birch 4 stk average, diameter 7-10 inches
Black Spruce 3-4 stks, diameter 6-9 inches
Tamarack 4 stk average, diameter 7-10 inches
Maple 3 stk average, diameter 7-8 inches

Eagles nest is adjacent to the only access road into sale, no hauling after February 14th; however, there is a location to stockpile wood and retrieve after the nesting period and with summer access.

Hauling could begin out of this stockpiled wood during the low critical time period which starts after June 15th

Price Adjustments:

Road Construction Costs: -10%
Haul Distance to Nearest Mill: 0%
Stand Density: 0%
Operational Constraints: 0%
Other Price Factor: -10% (small wood , eagles nest restriction)

Appraiser:

Michael H. Aultman

(Appraisal ID 12415-0; Cutting Block ID 14501-0)

TRACT X25

COUNTY: ITASCA

AREA: DEER RIVER AREA

ACRES: 82.0

Permit Number: X015435
 Expiration Date: 05/31/2019

Purchased By: Michael H. Rieger
Address: 61559 Co. Road 26, Northome, MN 56661

NWSE,SESE,SWSE of Section 24; NENW,NWNE of Section 25 - Township 150, Range 27W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 42	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	499.00	Cd	21.34	10,648.66	30.30	15,119.70
+ ASH	WOODSRUN MIXED PRODUCTS	184.00	Cd	7.70	1,416.80	10.93	2,011.12
+ PAPER BIRCH	WOODSRUN CORDWOOD	68.00	Cd	10.51	714.68	14.92	1,014.56
BALSAM FIR	WOODSRUN CORDWOOD	40.00	Cd	13.13	525.20	13.13	525.20
NORTHERN HARDWOODS	WOODSRUN CORDWOOD	40.00	Cd	8.60	344.00	8.60	344.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$13,649.34	BID TOTAL = \$ 19,014.58
				ADVANCE PAYMENT =		\$2,047.40	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 244.00 Tons 1.03 251.32

Mixed Species Description:

Aspen Species Woodsrun Cordwood includes: Balm of Gilead 25%; Trembling Aspen 75%.
 Northern Hardwoods Woodsrun Cordwood includes: American Elm 26%; Basswood 5%; Red Maple 69%.

Mixed Product Description:

Ash Woodsrun Mixed Products includes: Bolts 20%; Pulpwood 80%.

Cutting and Felling:

- Full tree skidding prohibited.

Season of Operations:

- Conduct sale operations on frozen soil conditions only, except with written permission from State.
 - Frozen ground access across USFS.

Sale Conditions:

- Access is across USFS land.

Marketing Conditions:

This sale is comprised of 17 openings, 200ft in diameter, in the ash area, and 7 aspen openings averaging 2 acres each.

Aspen averages 9" and 7 sticks.
 Ash averages 10" and 5 sticks.
 Birch averages 8" and 5 sticks.

Price Adjustments:

Road Construction Costs: 0%
 Haul Distance to Nearest Mill: 0%
 Stand Density: +5%
 Operational Constraints: -2%
 Other Price Factor: 0%

Appraiser:

John J. Segari

TRACT X26

COUNTY: ITASCA

AREA: DEER RIVER AREA

ACRES: 74.2

Permit Number: X015436
Expiration Date: 05/31/2019

Purchased By: M & M Logging & Son, Inc.
Address: 73552 County Road 13, Blackduck, MN 56630

NENE,SENE of Section 36 - Township 150, Range 29W.
GL03,GL04 of Section 30 - Township 150, Range 28W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 132	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ TREMBLING ASPEN	WOODSRUN CORDWOOD	580.00	Cd	19.51	11,315.80	45.26	26,250.80
ASH	WOODSRUN MIXED PRODUCTS	75.00	Cd	7.08	531.00	7.08	531.00
BASSWOOD	WOODSRUN MIXED PRODUCTS	70.00	Cd	8.87	620.90	8.87	620.90
SUGAR MAPLE	WOODSRUN CORDWOOD	65.00	Cd	9.18	596.70	9.18	596.70
WHITE SPRUCE	WOODSRUN MIXED PRODUCTS	65.00	Cd	16.07	1,044.55	16.07	1,044.55
BALSAM FIR	WOODSRUN CORDWOOD	25.00	Cd	11.48	287.00	11.48	287.00
PAPER BIRCH	WOODSRUN CORDWOOD	6.00	Cd	9.18	55.08	9.18	55.08
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$14,451.03	BID TOTAL = \$	29,386.03
				ADVANCE PAYMENT =	\$2,167.65		

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES BIOMASS 433.00 Tons 0.90 389.70

Mixed Product Description:

Ash Woodsrun Mixed Products includes: Bolts 25%; Pulpwood 75%.
Basswood Woodsrun Mixed Products includes: Bolts 20%; Pulpwood 80%.
White Spruce Woodsrun Mixed Products includes: Bolts 25%; Pulpwood 75%.

Cutting and Felling:

- Harvest aspen, birch, basswood, sugar maple and white spruce 2 sticks and larger. Harvest ash 9" DBH and larger.
Harvest balsam fir 3 sticks and larger.

Landings Roads and Trails:

- Recreation trail may be used as access.
- A minimum of four inches of snow must be left on the recreation trail from Dec. 1 - March 31.

Sale Conditions:

- Permission to cross private and county land must be obtained by permittee.

Marketing Conditions:

Aspen averages approximately 3.5 sticks per tree.
Approximately two-thirds of aspen trees are around 45 yrs. old and one-third, 70 yrs. old.
Basswood averages approximately 3 sticks per tree.
Ash averages approximately 4 sticks per tree.
One percent of aspen is balm of Gilead.
Unfrozen ground access and operation is unlikely due to private access and wet road conditions.
Best access is from MN #46 across 1 mile of existing trail.

Price Adjustments:

Road Construction Costs: -5%
Haul Distance to Nearest Mill: 0%
Stand Density: -5%

Operational Constraints: 0%

Other Price Factor: 0%

Appraiser:

Scott A. Bergloff

(Appraisal ID 12492-0; Cutting Block ID 14493-0)

TRACT X27

COUNTY: ITASCA

AREA: DEER RIVER AREA

ACRES: 28.0

Permit Number: X015437
Expiration Date: 05/31/2019

Purchased By: Forseen Logging LLC
Address: 64055 Co Rd 26, Northome, MN 56661

NESE,SESE of Section 10 - Township 150, Range 29W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID %: 108	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ ASPEN SPECIES	WOODSRUN CORDWOOD	694.00	Cd	22.16	15,379.04	46.09	31,986.46
PAPER BIRCH	WOODSRUN CORDWOOD	40.00	Cd	10.71	428.40	10.71	428.40
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =		\$15,807.44	BID TOTAL = \$ 32,414.86
				ADVANCE PAYMENT =		\$2,371.12	

Optional Timber (may be purchased with an Added Timber Agreement):

ANY LISTED SPECIES	BIOMASS	183.00 Tons	1.05	192.15
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Mixed Species Description:

Aspen Species Woodsrunk Cordwood includes: Balm of Gilead 15%; Trembling Aspen 85%.

Season of Operations:

- Conduct sale operations on dry/frozen soil conditions only, except with written permission from State.

Sale Conditions:

- Access is across private land.
- Permission to cross private land must be obtained by permittee.

Marketing Conditions:

Aspen averages 9" DBH and 6 sticks.
Adjacent neighbor has expressed the availability of additional timber.

Price Adjustments:

- Road Construction Costs: 0%
- Haul Distance to Nearest Mill: 0%
- Stand Density: +5%
- Operational Constraints: 0%
- Other Price Factor: 0%

Appraiser:

John J. Segari

TRACT X28

COUNTY: KOOCHICHING

AREA: LITTLEFORK AREA

ACRES: 82.8

Permit Number: X015438
Expiration Date: 05/31/2019

Purchased By:
Address:

UNSOLD

NENW,NWNE,SEW,SWNE of Section 13 - Township 153, Range 26W.

SPECIES	PRODUCT	VOLUME	UNIT	APPRAISED		BID: _____	
				UNIT PRICE	\$ VALUE	UNIT PRICE	\$ VALUE
+ TAMARACK	WOODSRUN CORDWOOD	1,200.00	Cd	4.08	4,896.00	4.08	4,896.00
+ BLACK SPRUCE	WOODSRUN CORDWOOD	100.00	Cd	10.88	1,088.00	10.88	1,088.00
	BALSAM FIR	3.00	Cd	10.20	30.60	10.20	30.60
	PAPER BIRCH	3.00	Cd	8.16	24.48	8.16	24.48
	ANY LISTED SPECIES	395.00	Tons	1.00	395.00	1.00	395.00
+ BID SPECIES * SOLD ON APPRAISED VOLUME				APPRAISED TOTAL =	\$6,434.08	BID TOTAL = \$	6,434.08
				ADVANCE PAYMENT =	\$965.11		

Marketing Conditions:

Tamarack averages 8.5 inches DBH, 4 sticks, 160 years old. Black spruce averages 7 inches DBH, 3 sticks. Small pockets of beetle kill are present, but not included in volume estimate. Appraised by Angela Yuska. Price reduced -5% due to quality and -15% due to re-offer.

Price Adjustments:

Road Construction Costs: 0%
Haul Distance to Nearest Mill: 0%
Stand Density: -5%
Operational Constraints: 0%
Other Price Factor: -15%

Appraiser:

Brian M. Feldt

(Appraisal ID 11823-5; Cutting Block ID 13832-6)

Harvest specifications and additional information about each tract may be obtained upon request from the following DNR Area Forestry Offices:

DEER RIVER AREA, AITKIN AREA, HIBBING AREA, TOWER AREA - ORR FIELD STATION, CLOQUET AREA, TWO HARBORS AREA, LITTLEFORK AREA, NORTHEAST REGION

The right is reserved to reject any and all bids.

For the Commissioner
MINNESOTA DEPARTMENT OF NATURAL RESOURCES

By: _____
Authorized Signature
Division Of Forestry
Dated: January 18, 2017

- SUMMARY SHEET -

01/18/2017 INTERMEDIATE AUCTION - SALE #2

COMPLETED - DATA AS OF 12/27/2017

DEER RIVER AREA, AITKIN AREA, HIBBING AREA, TOWER AREA, CLOQUET AREA, TWO HARBORS AREA, LITTLEFORK AREA, NORTHEAST REGION

SUMMARY FOR SOLD TRACTS

<u>PRODUCT</u>	<u>SPECIES</u>	<u>TOTAL VOLUME</u>	<u>UNIT</u>	<u>SOLD AVERAGE UNIT PRICE</u>	<u>TOTAL SOLD \$ VALUE</u>	
WOODSRUN MIXED PRODUCTS	ASH	293.00	Cd	10.03	2,939.58	
	PAPER BIRCH	330.00	Cd	14.05	4,635.40	
	MAPLE SPECIES	336.00	Cd	15.63	5,251.68	
	NORTHERN HARDWOODS	1,405.00	Cd	14.38	20,203.90	
	BASSWOOD	400.00	Cd	18.63	7,450.30	
	RED OAK	100.00	Cd	33.24	3,324.00	
	PINE SPECIES	1,005.00	Cd	35.69	35,865.25	
	NORWAY PINE (optional)	6.00	Cd	-	0.00	
	NORWAY PINE	1,537.00	Cd	38.64	59,393.93	
	JACK PINE	115.00	Cd	38.19	4,392.20	
	WHITE SPRUCE	140.00	Cd	25.57	3,580.30	
	BALSAM FIR	230.00	Cd	13.51	3,107.30	
	MIXED SPRUCE	80.00	Cd	28.76	2,300.80	
	WOODSRUN CORDWOOD	ASH	185.00	Cd	7.63	1,412.10
ASPEN SPECIES		6,906.00	Cd	39.37	271,872.53	
TREMBLING ASPEN		3,028.00	Cd	30.54	92,470.84	
PAPER BIRCH		484.00	Cd	8.40	4,066.79	
MAPLE SPECIES		135.00	Cd	10.20	1,377.00	
NORTHERN HARDWOODS		1,243.00	Cd	10.04	12,476.25	
RED MAPLE		45.00	Cd	10.43	469.20	
SUGAR MAPLE		65.00	Cd	9.18	596.70	
BALSAM FIR		555.00	Cd	15.03	8,340.35	
BLACK SPRUCE		2,950.00	Cd	30.33	89,487.80	
TAMARACK		665.00	Cd	5.14	3,418.85	
MIXED SPRUCE		750.00	Cd	14.08	10,562.10	
BIOMASS		ANY LISTED SPECIES (optional)	10,382.40	Tons	-	0.00

TOTAL SOLD TRACTS CONVERTED TO CORDS: 22,982.00
TOTAL APPRAISED DOLLAR VALUE OF SOLD TRACTS: \$ 402,605.53
TOTAL BID-UP DOLLAR VALUE OF SOLD TRACTS: \$ 649,405.99
TOTAL ACRES SOLD: 1,130.6
SOLD TRACT NUMBERS: 1, 3, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 26, 27
TOTAL NUMBER OF TRACTS SOLD: 24

SUMMARY FOR UNSOLD TRACTS

<u>PRODUCT</u>	<u>SPECIES</u>	<u>TOTAL VOLUME</u>	<u>UNIT</u>	<u>APPRAISED AVERAGE UNIT PRICE</u>	<u>APPRAISED \$ VALUE</u>
WOODSRUN MIXED PRODUCTS	RED OAK	350.00	Cd	6.78	2,373.00
	WHITE SPRUCE	60.00	Cd	16.68	1,000.80
WOODSRUN CORDWOOD	ASPEN SPECIES	680.00	Cd	16.41	11,161.95
	PAPER BIRCH	503.00	Cd	7.15	3,594.48
	NORTHERN HARDWOODS	275.00	Cd	7.26	1,995.35
	SUGAR MAPLE	320.00	Cd	7.14	2,284.80
	BASSWOOD	50.00	Cd	5.95	297.50
	NORWAY PINE	255.00	Cd	7.14	1,820.70
	WHITE SPRUCE	45.00	Cd	8.16	367.20
	BALSAM FIR	528.00	Cd	11.46	6,052.35
	BLACK SPRUCE	100.00	Cd	10.88	1,088.00
	TAMARACK	1,200.00	Cd	4.08	4,896.00

- SUMMARY SHEET (Continued) -

SUMMARY FOR UNSOLD TRACTS

PRODUCT	SPECIES	TOTAL VOLUME	UNIT	APPRAISED AVERAGE UNIT PRICE	APPRAISED \$ VALUE
	MIXED CONIFERS	6.00	Cd	7.01	42.06
BIOMASS	ANY LISTED SPECIES (optional)	350.00	Tons	0.60	210.00
	ANY LISTED SPECIES	1,895.00	Tons	0.82	1,545.00

TOTAL UNSOLD TRACTS CONVERTED TO CORDS: 4,372.00
TOTAL APPRAISED DOLLAR VALUE OF UNSOLD TRACTS: \$ 38,519.19
TOTAL ACRES UNSOLD: 370.8
UNSOLD TRACT NUMBERS: 2, 11, 19, 28
TOTAL NUMBER OF TRACTS UNSOLD: 4