

TIMBER APPRAISAL REPORT



Permit Holder	Sale Type	RAN	Permit Number
	Intermediate Auction	253	X019725
	Permit Date	Expiration Date	
	02/07/2025	05/31/2028	

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Appraisal includes three (3) cutting blocks:

Block #	Legal Description	Sec-Twp-Rng	County
1	NENW,SENW	33-64-4E	16: Cook
2	SENW,SWNW	33-64-4E	16: Cook
3	NWSE,SESE,SWSE	28-64-4E	16: Cook

Species/Products/Price (all quantities are estimates):

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Mixed Spruce	Pulp & Bolts	1,360.00	Cd	6.80	9,248.00		6.80	9,248.00
+		Trembling Aspen	Pulp & Bolts	300.00	Cd	16.15	4,845.00		16.15	4,845.00
		Balsam Fir	Pulpwood	85.00	Cd	1.75	148.75		1.75	148.75
+		Jack Pine	Pulp & Bolts	85.00	Cd	18.70	1,589.50		18.70	1,589.50

Sale Acres	92.5	Advance Payment	2,374.69	Total Appraised Value	15,831.25	Total Bid Value	0.00
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Top Diameter Utilization: Unless otherwise specified, each species product must be utilized down to a minimum merchantable top diameter inside bark (dib) as follows: woodsrun cordwood and pulpwood to 4 inches, except spruce to 3 inches; bolts to 6 inches; sawtimber to 10 inches; and veneer to 14 inches.

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

SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value
	Any Listed Species	Biomass	930.00	Tons	0.65	604.50

Total Appraised Cords per Acre: 19.8

Mixed Species Description:

Mixed Spruce Pulp & Bolts includes White Spruce 86%; Black Spruce 14%.

Mixed Product Description:

Jack Pine Pulp & Bolts includes Bolts 80%; Pulpwood 20%.
Mixed Spruce Pulp & Bolts includes Pulpwood 42%; Bolts 58%.
Trembling Aspen Pulp & Bolts includes Bolts 80%; Pulpwood 20%.

HARVEST SPECIFICATIONS

(Refer to the three individual Cutting Block reports for additional specifications)

Cutting and Felling:

- Harvest all spruce and balsam fir (Cutting Block 3).
- Harvest all spruce and jack pine (Cutting Block 1).
- Harvest all spruce, aspen, jack pine, and balsam fir (Cutting Block 2).
- Reserve all aspen and white pine (Cutting Block 1).
- Reserve all aspen, birch, cedar, white pine (Cutting Block 3).

TIMBER APPRAISAL REPORT - HARVEST SPECIFICATIONS (continued)

Cutting and Felling (continued):

- Reserve white pine, red pine, cedar (Cutting Block 2).
- Reserve all non-hazardous snags (Cutting Blocks 1, 2, and 3).

Season of Operations:

- Conduct sale operations on dry/frozen soil conditions only, except with written permission from State (Cutting Blocks 1, 2, and 3).

Slash Disposal:

- Tightly pile slash on landings as designated by TSA. Piles should be free of dirt, stumps, root wads, and prohibited materials. Piles should be placed a minimum of one tree height or 50 feet (whichever is greater) away from standing timber (Cutting Blocks 1, 2, and 3).
- Biomass harvest is allowed on this permit. An Added Timber Agreement is required (Cutting Blocks 1, 2, and 3).

Site, Soil, and Water Protection:

- If site damage becomes apparent, alter or cease operations and contact State (Cutting Blocks 1, 2, and 3).

Landings, Roads, and Trails:

- The location and construction of all roads and landings must be pre-approved by the State (Cutting Blocks 1, 2, and 3).
- Post "Trucks Hauling" signs 200 feet beyond either end of road/trail section being used (Cutting Blocks 1, 2, and 3).
- Haul roads must be regularly maintained in a safe and usable condition (Cutting Blocks 1, 2, and 3).
- Stabilize roads, skid trails, borrow pits and landings as directed by the State as sale operations proceed (Cutting Blocks 1, 2, and 3).

Sale Conditions:

- Access is across State land (Cutting Blocks 1, 2, and 3).

Marketing and Special Conditions:

Final harvest of spruce budworm affected stands that are located approximately 3 miles down the Otter Lake SFR. Spruce budworm has affected 75-100% of the spruce and balsam fir on the sale. Sale operations during late summer of an average year should be possible, early summer entry may require a drier than average year. Price adjustments apply to aspen and pine. All other species have -65% Cook County discount applied.

Price Adjustments:

Road Construction Costs: +5%
Haul Distance to Nearest Mill: -15%
Stand Density: -5%
Operational Constraints: 0%
Other Price Factor: -65% (Cook County discount)

Permits Required:

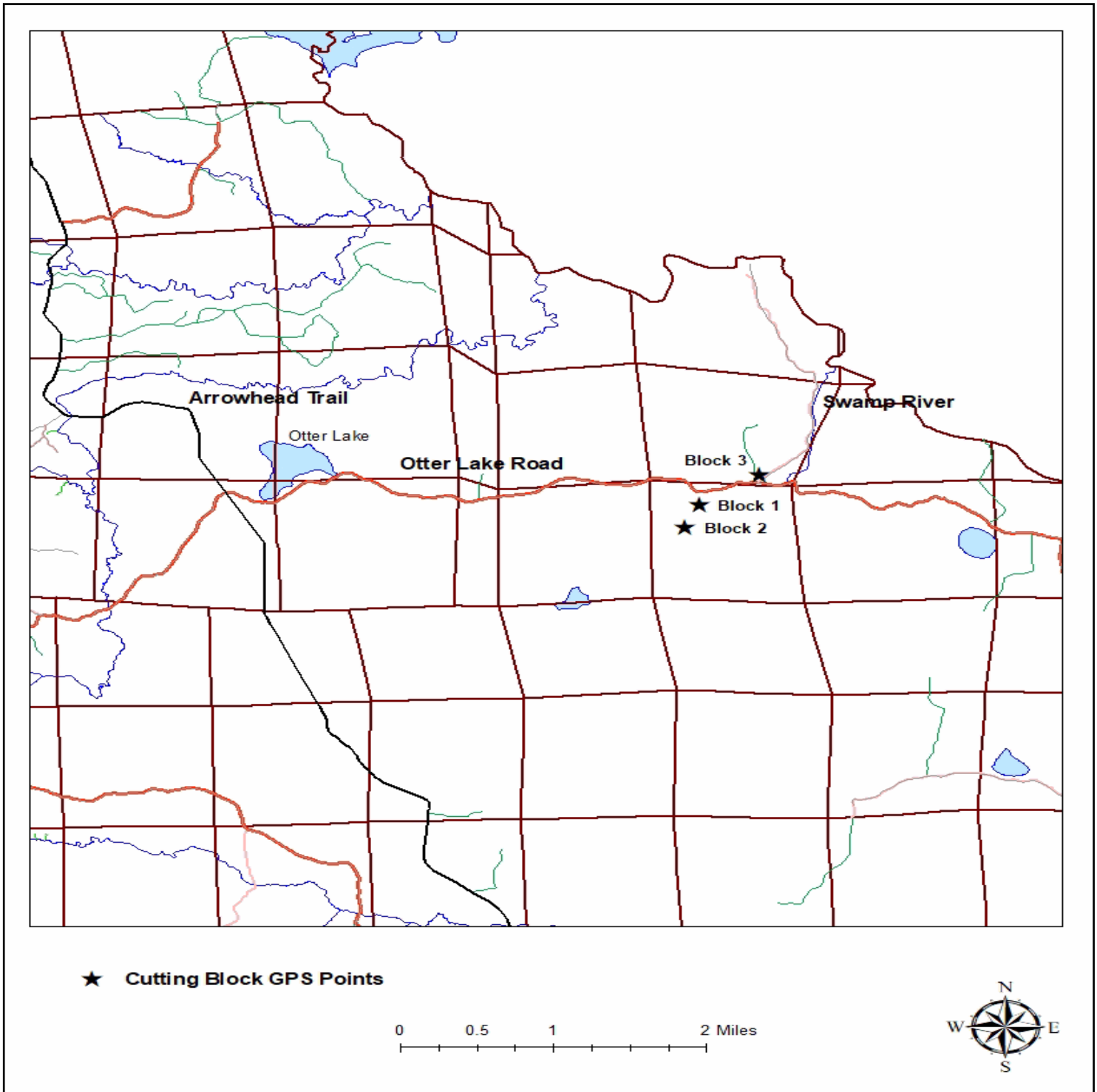
(None)

Forestry Area Office:

Two Harbors Area Forestry Office
1568 Highway 2
Two Harbors, MN 55616
Telephone: 218-834-1420

Appraiser Signature	Appraiser (Printed name) Jason Bushmaker	Appraiser ID # 01118506	Signature Date 01/02/2025
Approved By Signature	Approved By (Printed name) Michael Young	Approver ID # 01161744	Approval Date 01/02/2025

Permit Holder	Sale Type	RAN	Permit Number
	Intermediate Auction	253	X019725
	Permit Date	Expiration Date	
	02/07/2025	05/31/2028	



Appraisal Map (may not print to scale)
Refer to the individual Cutting Block maps for additional details and legal descriptions

Forty/Lot Information - Appraisal includes three (3) cutting blocks:

Twp - Range	Sec	Forty / Lot	Land Status	% Total Value
64-4E	28	NWSE	09: School	6
		SESE	09: School	16
		SWSE	09: School	26
64-4E	33	NENW	09: School	12
		SENW	09: School	23
		SWNW	09: School	17
Total				100

Specifications included in Notice Of Sale:

Season of Operations:

- Conduct sale operations on dry/frozen soil conditions only, except with written permission from State (Cutting Blocks 1, 2, and 3).

Sale Conditions:

- Access is across State land (Cutting Blocks 1, 2, and 3).

CUTTING BLOCK REPORT



Permit Holder	Sale Type Auction Commercial Permit	RAN 253	Permit Number X019725
Legal Description NENW,SENW	Sec-Twp-Rng 33-64-4E	County 16: Cook	Permit Date 02/07/2025

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Cutting Block 1 in Appraisal 19912

Species/Products/Price (all quantities are estimates):

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Mixed Spruce	Pulp & Bolts	275.00	Cd	\$ 6.80	\$ 1,870.00	-	\$ -	\$ -
+		Jack Pine	Pulp & Bolts	15.00	Cd	\$ 18.70	\$ 280.50	-	\$ -	\$ -
		Any Listed Species	Biomass	150.00	Tons	\$ 0.65	\$ -		\$ -	\$ -

Cutting Block Acres	16.7	Total Appraised Value	\$ 2,150.50	Total Bid Value	\$ -
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Top Diameter Utilization: Unless otherwise specified, each species product must be utilized down to a minimum merchantable top diameter inside bark (dib) as follows: woodsrun cordwood and pulpwood to 4 inches, except spruce to 3 inches; bolts to 6 inches; sawtimber to 10 inches; and veneer to 14 inches.

Mixed Species Description:

Mixed Spruce Pulp & Bolts includes Black Spruce 10%; White Spruce 90%.

Mixed Product Description:

Jack Pine Pulp & Bolts includes Pulpwood 20%; Bolts 80%.
Mixed Spruce Pulp & Bolts includes Pulpwood 30%; Bolts 70%.

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest all spruce and jack pine.
- Reserve all aspen and white pine.
- Reserve all non-hazardous snags.

Season of Operations:

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

Slash Disposal:

- Tightly pile slash on landings as designated by TSA. Piles should be free of dirt, stumps, root wads, and prohibited materials. Piles should be placed a minimum of one tree height or 50 feet (whichever is greater) away from standing timber.
- Biomass harvest is allowed on this permit. An Added Timber Agreement is required.

Site, Soil, and Water Protection:

- If site damage becomes apparent, alter or cease operations and contact State.

Landings, Roads, and Trails:

- The location and construction of all roads and landings must be pre-approved by the State.
- 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.
- Stabilize roads, skid trails, borrow pits and landings as directed by the State as sale operations proceed.

CUTTING BLOCK REPORT - HARVEST SPECIFICATIONS *(continued)*

Sale Conditions:

- Access is across State land.

Marketing and Special Conditions:

Mixed Spruce Pulp & Bolts: Average 9" DBH and 6 sticks

Jack Pine Pulp & Bolts: Average 8" DBH and 5 sticks

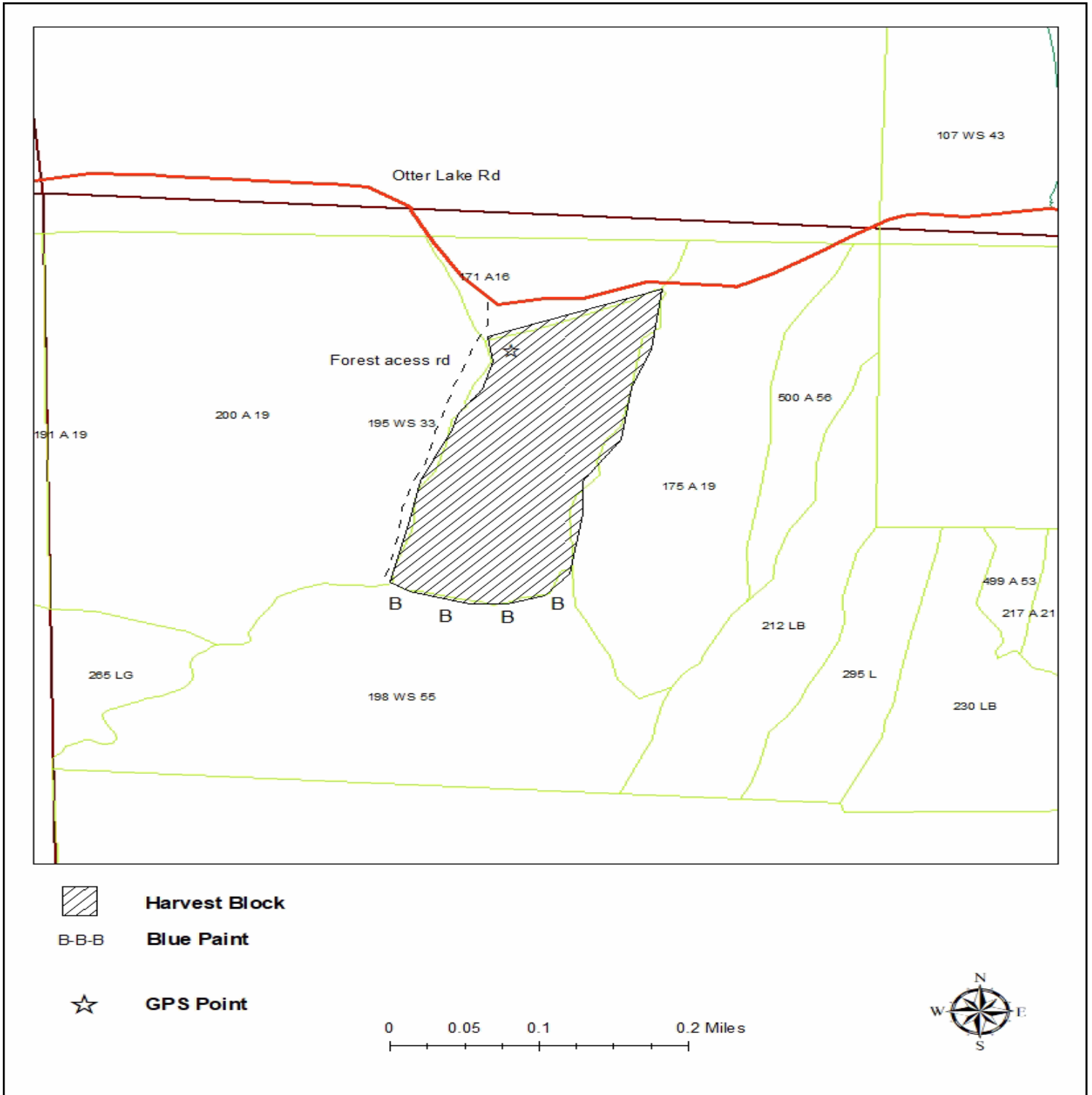
Final harvest of spruce budworm affected stands that are located approximately 3 miles down the Otter Lake SFR. Spruce budworm has affected 75-100% of the spruce and balsam fir on the sale. Sale operations during late summer of an average year should be possible, early summer entry may require a drier than average year. Price adjustments apply to aspen and pine. All other species have -65% Cook County discount applied.

Cruised By	ID #	Cruise Date
Aaron Mielke	01023812	11/14/2024



Permit Holder	Sale Type Auction Commercial Permit		RAN 253	Permit Number X019725
Legal Description NENW,SENW	Sec-Twp-Rng 33-64-4E	County 16: Cook	Permit Date 02/07/2025	

GPS Location: Latitude 47 59 19, Longitude -89 56 40



(Map may not print to scale)

SOAV Eligible: No

Stand Management Information:

Site	Harvest Prescription						
t06404e1330195	Regen Harvest-Even-Aged-Salvage Clearcut I&D						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t06404e1330195	WS33	Adopted	16.7	16.7	16.7	0.0	0.0

Totals	16.7	16.7	16.7	0.0	0.0
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Forty/Lot Information:

Twp - Range	Sec	Forty / Lot	Land Status	Acres
64-4E	33	NENW	09: School	11.0
		SENW	09: School	5.7

Total	16.7
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CUTTING BLOCK REPORT



Permit Holder	Sale Type Auction Commercial Permit	RAN 253	Permit Number X019725
Legal Description SENW,SWNW	Sec-Twp-Rng 33-64-4E	County 16: Cook	Permit Date 02/07/2025

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Cutting Block 2 in Appraisal 19912

Species/Products/Price (all quantities are estimates):

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Mixed Spruce	Pulp & Bolts	400.00	Cd	\$ 6.80	\$ 2,720.00	-	\$ -	\$ -
+		Trembling Aspen	Pulp & Bolts	300.00	Cd	\$ 16.15	\$ 4,845.00	-	\$ -	\$ -
+		Jack Pine	Pulp & Bolts	70.00	Cd	\$ 18.70	\$ 1,309.00	-	\$ -	\$ -
		Balsam Fir	Pulpwood	40.00	Cd	\$ 1.75	\$ 70.00		\$ -	\$ -
		Any Listed Species	Biomass	380.00	Tons	\$ 0.65	\$ -		\$ -	\$ -

Cutting Block Acres	30.5	Total Appraised Value	\$ 8,944.00	Total Bid Value	\$ -
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Top Diameter Utilization: Unless otherwise specified, each species product must be utilized down to a minimum merchantable top diameter inside bark (dib) as follows: woodsrun cordwood and pulpwood to 4 inches, except spruce to 3 inches; bolts to 6 inches; sawtimber to 10 inches; and veneer to 14 inches.

Mixed Species Description:

Mixed Spruce Pulp & Bolts includes White Spruce 60%; Black Spruce 40%.

Mixed Product Description:

Jack Pine Pulp & Bolts includes Bolts 80%; Pulpwood 20%.
Mixed Spruce Pulp & Bolts includes Pulpwood 70%; Bolts 30%.
Trembling Aspen Pulp & Bolts includes Bolts 80%; Pulpwood 20%.

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest all spruce, aspen, jack pine, and balsam fir.
- Reserve white pine, red pine, cedar.
- Reserve all non-hazardous snags.

Season of Operations:

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

Slash Disposal:

- Tightly pile slash on landings as designated by TSA. Piles should be free of dirt, stumps, root wads, and prohibited materials. Piles should be placed a minimum of one tree height or 50 feet (whichever is greater) away from standing timber.
- Biomass harvest is allowed on this permit. An Added Timber Agreement is required.

Site, Soil, and Water Protection:

- If site damage becomes apparent, alter or cease operations and contact State.

Landings, Roads, and Trails:

- The location and construction of all roads and landings must be pre-approved by the State.
- Post "Trucks Hauling" signs 200 feet beyond either end of road/trail section being used.

CUTTING BLOCK REPORT - HARVEST SPECIFICATIONS *(continued)*

Landings, Roads, and Trails *(continued)*:

- Haul roads must be regularly maintained in a safe and usable condition.
- Stabilize roads, skid trails, borrow pits and landings as directed by the State as sale operations proceed.

Sale Conditions:

- Access is across State land.

Marketing and Special Conditions:

Trembling Aspen Pulp & Bolts: Average 14" DBH and 6 sticks

Balsam Fir Pulpwood: Average 5" DBH and 4 sticks

Mixed Spruce Pulp & Bolts: Average 9" DBH and 6 sticks

Jack Pine Pulp & Bolts: Average 10" DBH and 5 sticks

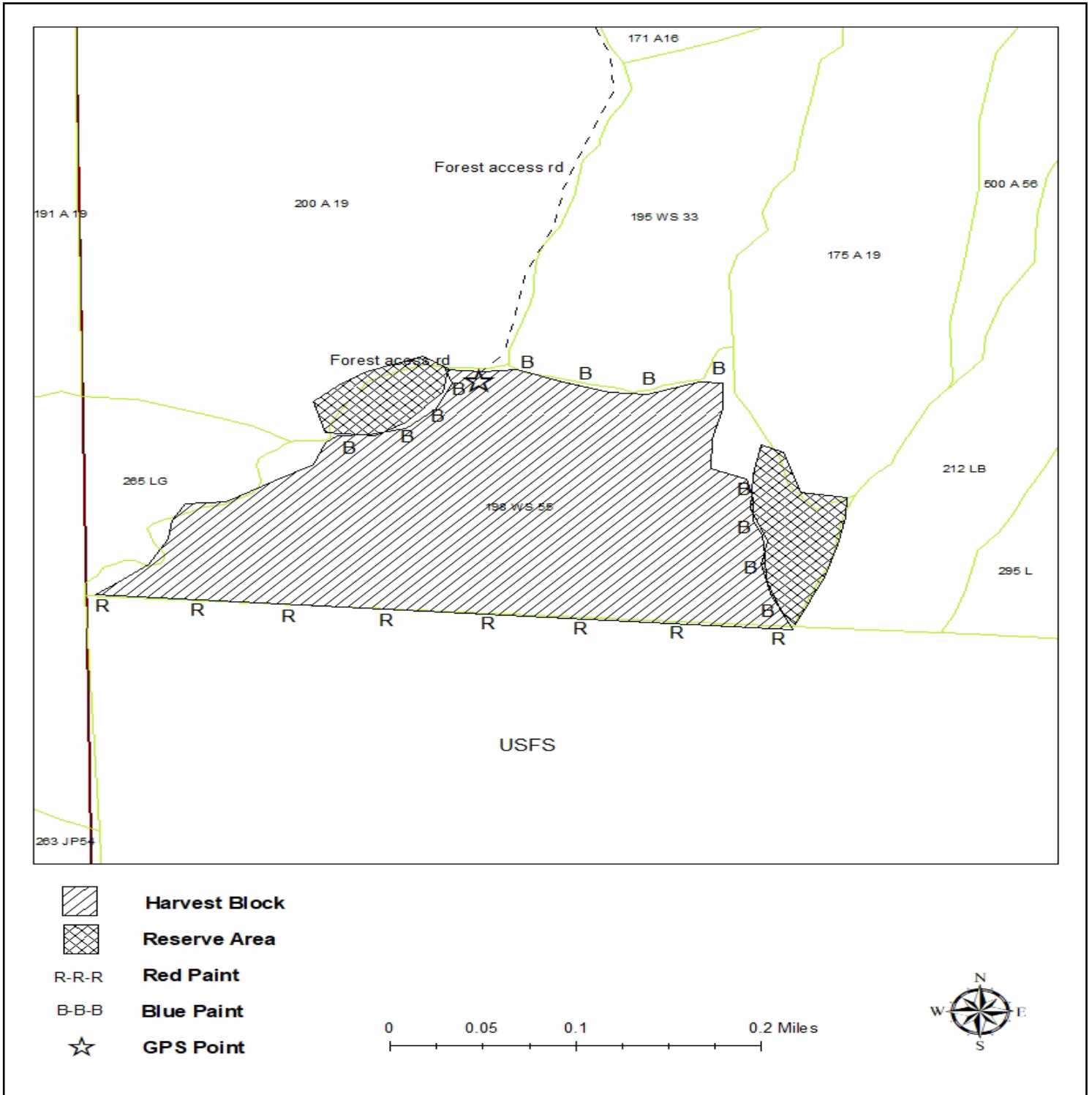
Final harvest of spruce budworm affected stands that are located approximately 3 miles down the Otter Lake SFR. Spruce budworm has affected 75-100% of the spruce and balsam fir on the sale. Sale operations during late summer of an average year should be possible, early summer entry may require a drier than average year. Price adjustments apply to aspen and pine. All other species have -65% Cook County discount applied.

Cruised By	ID #	Cruise Date
Aaron Mielke	01023812	11/14/2024



Permit Holder	Sale Type Auction Commercial Permit	RAN 253	Permit Number X019725
Legal Description SENW,SWNW	Sec-Twp-Rng 33-64-4E	County 16: Cook	Permit Date 02/07/2025

GPS Location: Latitude 47 59 3, Longitude -89 56 50



(Map may not print to scale)

SOAV Eligible: No

Stand Management Information:

Site	Harvest Prescription						
t06404e1330198	Regen Harvest-Even-Aged-Salvage-w/Rsrv Clearcut I&D						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t06404e1330198	WS55	Adopted	32.0	32.0	32.0	0.0	0.0

Totals	32.0	32.0	32.0	0.0	0.0
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Forty/Lot Information:

Twp - Range	Sec	Forty / Lot	Land Status	Acres
64-4E	33	SENW	09: School	14.8
		SWNW	09: School	15.7

Total	30.5
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CUTTING BLOCK REPORT



Permit Holder	Sale Type Auction Commercial Permit	RAN 253	Permit Number X019725
Legal Description NWSE,SESE,SWSE	Sec-Twp-Rng 28-64-4E	County 16: Cook	Permit Date 02/07/2025

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Cutting Block 3 in Appraisal 19912

Species/Products/Price (all quantities are estimates):

Bid	SOAV	Species	Product	Quantity	UOM	Appraised Price	Appraised Value	Bid %	Bid Price	Bid Value
+		Mixed Spruce	Pulp & Bolts	685.00	Cd	\$ 6.80	\$ 4,658.00	-	\$ -	\$ -
		Balsam Fir	Pulpwood	45.00	Cd	\$ 1.75	\$ 78.75		\$ -	\$ -
		Any Listed Species	Biomass	400.00	Tons	\$ 0.65	\$ -		\$ -	\$ -

Cutting Block Acres	45.3	Total Appraised Value	\$ 4,736.75	Total Bid Value	\$ -
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Top Diameter Utilization: Unless otherwise specified, each species product must be utilized down to a minimum merchantable top diameter inside bark (dib) as follows: woodsrun cordwood and pulpwood to 4 inches, except spruce to 3 inches; bolts to 6 inches; sawtimber to 10 inches; and veneer to 14 inches.

Mixed Species Description:

Mixed Spruce Pulp & Bolts includes White Spruce 100%.

Mixed Product Description:

Mixed Spruce Pulp & Bolts includes Bolts 70%; Pulpwood 30%.

HARVEST SPECIFICATIONS

Cutting and Felling:

- Harvest all spruce and balsam fir.
- Reserve all aspen, birch, cedar, white pine.
- Reserve all non-hazardous snags.

Season of Operations:

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

Slash Disposal:

- Tightly pile slash on landings as designated by TSA. Piles should be free of dirt, stumps, root wads, and prohibited materials. Piles should be placed a minimum of one tree height or 50 feet (whichever is greater) away from standing timber.
- Biomass harvest is allowed on this permit. An Added Timber Agreement is required.

Site, Soil, and Water Protection:

- If site damage becomes apparent, alter or cease operations and contact State.

Landings, Roads, and Trails:

- The location and construction of all roads and landings must be pre-approved by the State.
- 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.
- Stabilize roads, skid trails, borrow pits and landings as directed by the State as sale operations proceed.

Sale Conditions:

CUTTING BLOCK REPORT - HARVEST SPECIFICATIONS (continued)

Sale Conditions (continued):

- Access is across State land.

Marketing and Special Conditions:

Mixed Spruce Pulp & Bolts: Average 9" DBH and 5 sticks

Balsam Fir Pulpwood: Average 5" DBH and 4 sticks

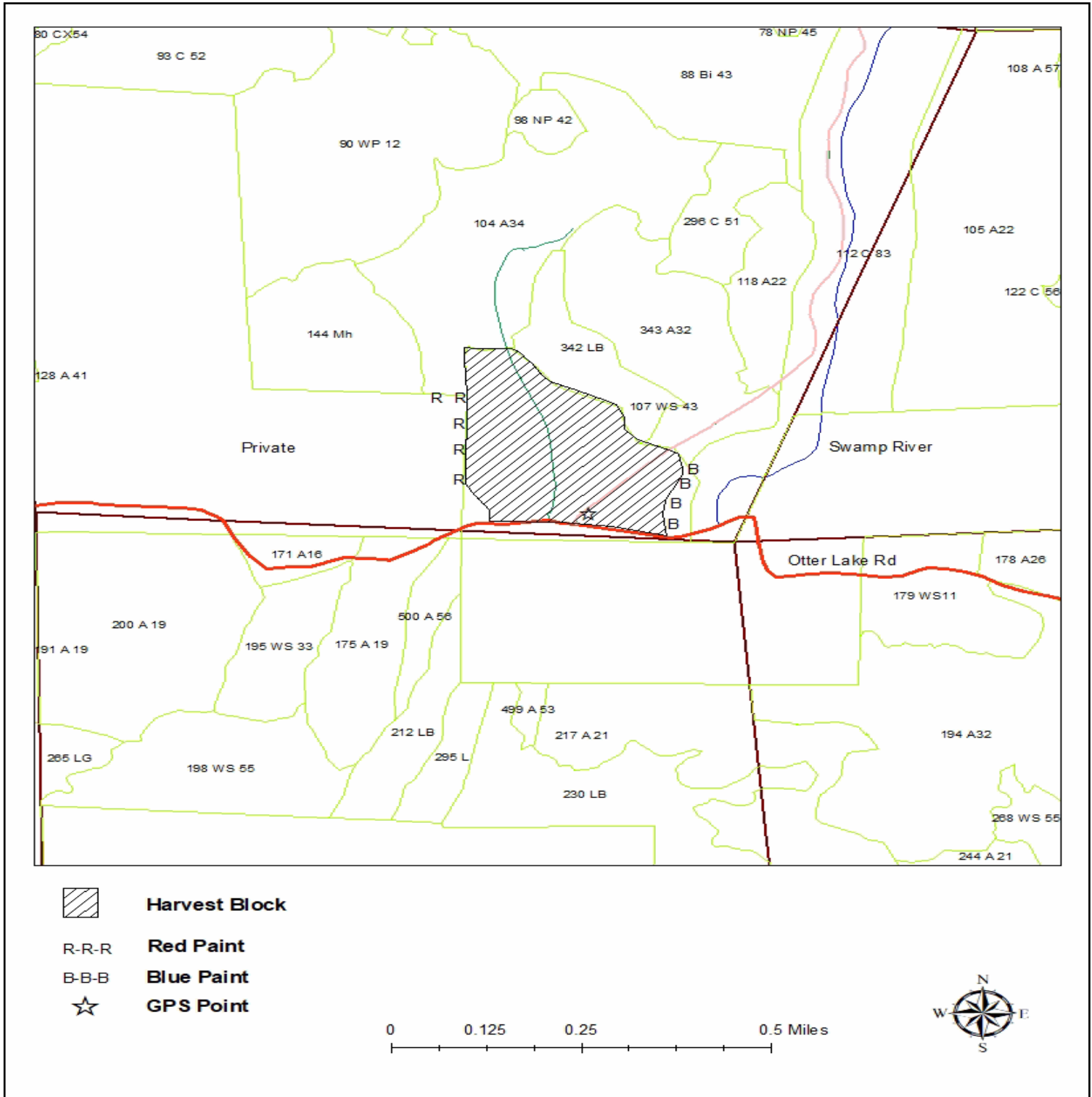
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Cruised By	ID #	Cruise Date
Aaron Mielke	01023812	11/14/2024



Permit Holder	Sale Type Auction Commercial Permit	RAN 253	Permit Number X019725
Legal Description NWSE,SESE,SWSE	Sec-Twp-Rng 28-64-4E	County 16: Cook	Permit Date 02/07/2025

GPS Location: Latitude 47 59 29, Longitude -89 56 31



(Map may not print to scale)

SOAV Eligible: No

Stand Management Information:

Site	Harvest Prescription						
t06404e1280107	Regen Harvest-Even-Aged-Salvage Clearcut I&D						
Stand	Cover Type	Plan Status	Planned	Examined	Appraised	Deferred	Altered
t06404e1280107	WS43	Adopted	45.3	45.3	45.3	0.0	0.0

Totals	45.3	45.3	45.3	0.0	0.0
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Forty/Lot Information:

Twp - Range	Sec	Forty / Lot	Land Status	Acres
64-4E	28	NWSE	09: School	6.3
		SESE	09: School	17.0
		SWSE	09: School	22.0

Total	45.3
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