

Beltrami County NRM
Timber Appraisal

226022

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Appraised By: Nick Ronning	Sale Type: REGULAR AUCTION SALE	Appraisal Number: Devil's Elbow
Appraisal Date: 06/15/2026	Auction Date: 08/06/2026	Permit Number:
	Access: Public Access	Expiration Date: 08/06/2028

Legal Description

<u>RE Code</u>	<u>Sec.</u>	<u>Twp.</u>	<u>Rge.</u>	<u>School</u>	<u>City/Twp</u>	<u>Subd</u>
	9	148	31	32	Taylor	E1/2 NW1/4

<u>Bid</u>	<u>Species</u>	<u>Volume</u>	<u>Units</u>	<u>Unit Price</u>	<u>Value</u>	<u>Comments</u>	<u>Bolt %</u>
Bid	Aspen pulp	500	Cords	\$25.00	\$12,500.00	Includes incidental balm	
Non-Bid	Basswood Pulp & Bolts	40	Cords	\$10.00	\$400.00	Cut 1/3 of the basswood or more	
Non-Bid	Ash pulp	75	Cords	\$10.00	\$750.00		
Non-Bid	Mixed Hardwoods	25	Cords	\$10.00	\$250.00	Mature Birch + incidental oak and maple	
Non-Bid	Balsam pulp	1	Cords	\$10.00	\$10.00	Incidental BF or SP. Did not hit cruise	
					\$13,910.00	Subtotal	
Total Cords: 641 Total MBF: 0					\$13,910.00	Total	
					\$2,086.50	15% Down Payment	

Bid Symbols: Bid = Bid Species; Non-Bid = Non-Bid Species; Area Est. = Sold Area Estimate; AE Non-Bid = Sold Area Estimate & Non-Bid Species
All species woodsrun unless listed otherwise.

Species Scaled: Ash pulp, Aspen pulp, Balsam pulp, Basswood Pulp & Bolts, Mixed Hardwoods

Species SAE:

Operability:	Frozen Ground will be needed to complete sale. Dry Summer Roadwork or Upland Harvest.: July 15 - Breakup	Soil Type:	loam
Topography:	rolling to side-hill/steep		
Acres:	37		

DRAIN

Type:	Acres Cut:
REGULAR AUCTION SALE	37.00

Total: 37.00

Harvest Specifications

Access
• Latitude/Longitude - Primary access location is Lat. 47.6557*N, by Long. 94.6245*W.

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Cutting and Skidding

- Logging Damage - Logging damage is injury to 30% or more of the crown; or bark damage exposing cambium of 50 sq.in. or more; or damage causing lean of more than 5 degrees from original. Damage to reserve trees, as identified on the Appraisal form, may be subject to a \$25/tree penalty
- Stay within Boundaries - Unless approved in advance by the Forester, all harvest activities shall be confined to within the marked boundary. Access roads, skid trails and landing areas proposed for use outside the harvest boundary must be approved prior to use. Failure to comply with these requirements may be subject to a \$100 penalty per incident.
- Stumps - Average stump heights below 12" and as low as possible.
- Logging Damage - Use care to avoid damaging understory regeneration and residual poles, saplings, reserve trees.

Harvest and Reserves

- Boundary Blue Paint. Reserve All Blue Painted Trees
- Cut Trees: All Aspen, Balm, Ash. Mature Birch. 1/3 Basswood volume or more.
- Den Trees - Reserve trees with obvious den and cavity usage, even if not marked to leave.
- Leave Trees: Oak, Sugar Maple, smaller Birch, Incidental Cedar and Elm. Optional Ash reserve DBH 8" and under.
- Mast Species - When not specifically marked to leave, maintain oak and other mast producing species.

Landings, Access Roads, and Skid Trails

- General Road/trail BMP - A combination of road drainage BMPs may be applicable, which combined with slash trampling to close the temporary roads to vehicles will provide erosion protection.
- Road Closure slash - Make a large slash berm to prevent highway vehicles from accessing sale area off of Nelson Lake Road.
- Access Roads -An old haul road on each side of the central wetland will need work to re-open. Recommend opening road well in advance of harvest. County will pay for up to 25 yards of material; approved by the forester. Any additional materials, culverts, or temporary crossings will be the responsibility of the logger.
- Skid Trail Rehab. - Due to hills, slash water bars will be needed on skid trails. Trample logging slash into hilly skid trails to slow and divert water runoff. Special attention shall be given to trails approaching draw bottoms, drainage ways, and wetlands to provide surface drainage and erosion protection.
- Landings Approved -Landing locations must be approved in advance by the Forester. Sale plan includes 3 landings. Lack of flat areas and numerous low crossings may require long skids.

Other Remarks

- Cultural Site Protection -Root cellar found during sale setup and excluded from harvest area. Old Dump site located between root cellar and Nelson Lake Road, also excluded from harvest area. Notify Forester immediately if other evidence of cultural sites, historic or pre-historic, are discovered.

Site, Soil, and Water Protection

- RMZ General - Wetland and lowland brush areas are either excluded from the harvest block or protected by ERZ within block. Be sure to minimize scarification in filter strip per BMP guidelines.
- Rutting - Contractor must be prepared to shut down equipment operations or hauling if thawing or wet conditions create the potential for rutting. Failure to comply with this requirement may be subject to a \$100 penalty per occurrence.
- Small wetlands -there are numerous small wet areas inside, adjacent to and between harvest areas. Frozen operations preferred, dry firm acceptable, limited use of mats or corduroy must be approved by Forester.
- Soil Protection - Soils are subject to rutting if operated on when wet, stop activity if conditions may lead to rutting, compaction or displacement of soils. Keep BMP applications current to prevent erosion.

Slash Disposal

- Slash Scattered - Lop and scatter slash to within 2 feet of ground. Slash will be needed to block off roads and trails at Nelson Lake Road. Slash will be needed for trampling into hillsides to minimize erosion. Slash Piles for wildlife are encouraged but not required.

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Tree Size, Marketing, and Special Conditions

- 4 inch TDIB - Utilize all material from butt to a 4" top diameter inside bark.
- No excess culling -Cutting long Butts or oversize tops to produce higher quality product must be done to retain marketable lengths of lower value pulp or firewood. Culling which leaves excessive amounts of wood in unmarketable lengths may be subject to a \$10.00 per piece penalty, unless the material is loaded and hauled off site based upon an estimated cord volume.

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Date

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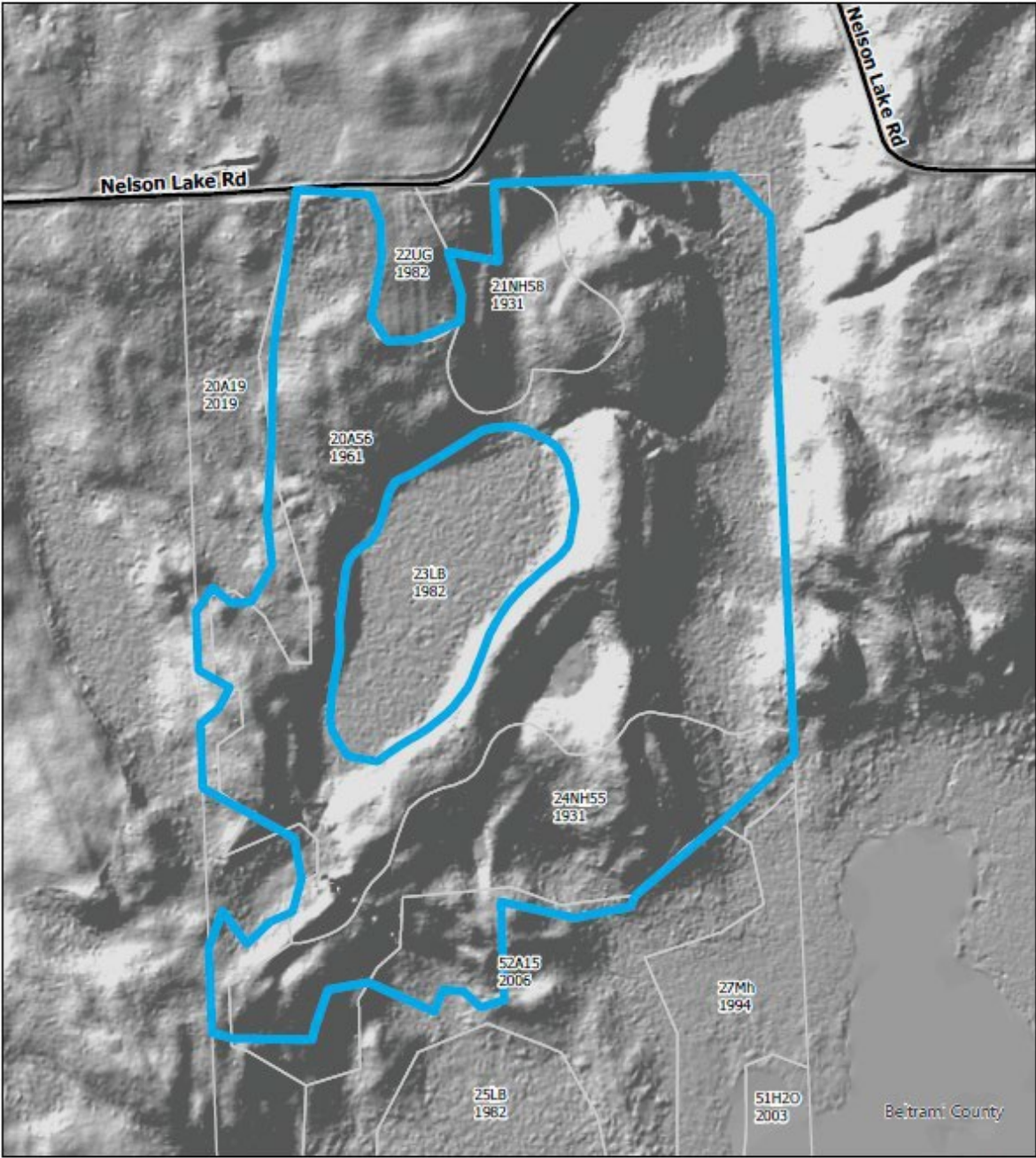
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Devil's Elbow Hillshade Map

E1/2 NW1/4 Section 9 T148 R31 Taylor Township



0 0.05 0.1 0.2 Miles



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Devil's Elbow Sale Map

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