



**DEPARTMENT OF NATURAL RESOURCES
STATE OF MICHIGAN**

TIMBER SALE PROSPECTUS #6703

SCHEDULED SALE DATE AND TIME: **4:00 p.m. (local time) on March 22, 2021.**

LOCATION: **KALKASKA FIELD OFFICE, 2089 NORTH BIRCH STREET, KALKASKA, MI 49646.**

CONTACT NAME: David Lemmien

PHONE NUMBER: (231) 922-6040

PROSPECTUS NOTE: It is recommended that for the duration of the "Stay Home, Stay Safe" executive order that bidders submit their bids through the Online Bidding System (<https://www.dnr.state.mi.us/VMSONlineBidding/>). If you need to register, contact Jake Reid (ReidJ6@michigan.gov, 517-284-5908) or Donovan Asselin (AsselinD@michigan.gov, 517-930-1326). Paper bids will still be accepted during this time, either dropped in the bid box at the bid location or by mailing. If mailing, please allow for additional time.

The bidder is advised to inspect the sale area and review the location, estimated volumes, operating costs and contract terms of proposed sales. Please be aware that some landowners may request 60 days or more notice for access across their land.

Notice is hereby given that bids will be received by the Unit Manager, TRAVERSE CITY MANAGEMENT UNIT, for certain timber on the following described lands:

131 Tank Tank Aspen (61-626-20) / T26N, R05W, SEC. 27, SWSE.

T26N, R05W, SEC. 33, E1/2SE.

T26N, R05W, SEC. 34, NW, W1/2NE, SW.

Kalkaska County, Advertised Price \$75,172.15, 148.6 Acres, Aspen, Hardwood.

SALE NOTE: This sale is on or adjacent to active training areas and is therefore subject to military timing restrictions and requires chipping, unless waived by Camp Grayling.

TIMBER SALE INFORMATION

131 Tank Tank Aspen (61-626-20)

T26N, R05W, SEC. 27; T26N, R05W, SEC. 33; T26N, R05W, SEC. 34.

Kalkaska County (Advertised Price \$75,172.15)

SALE NOTE: This sale is on or adjacent to active training areas and is therefore subject to military timing restrictions and requires chipping, unless waived by Camp Grayling.

A timber sale contract for this lump sum, sealed bid timber sale will be awarded to the responsible bidder offering the highest sealed bid price. All units of volume listed below were estimated using the T-Sale computer program and our traditional volume equations. Bids must be at or above the following advertised price for each product and species:

<u>PRODUCTS & SPECIES</u>	<u>ESTIMATED UNITS*</u>	<u>ADVERTISED PRICE</u>
Sawtimber		
B. T. Aspen	38.1 MBF	\$ 78.00 / MBF
Red Maple	2.0 MBF	\$ 114.00 / MBF
Red Oak	132.0 MBF	\$ 122.00 / MBF
Red Pine	182.8 MBF	\$ 78.00 / MBF
White Oak	67.1 MBF	\$ 71.00 / MBF
Pulpwood		
Jack Pine	696 Cords	\$ 8.00 / Cord
Misc. Species 1	158 Cords	\$ 2.75 / Cord
Mixed Aspen	1,266 Cords	\$ 12.40 / Cord
Mixed Oak	1,027 Cords	\$ 8.70 / Cord
Red Maple	121 Cords	\$ 11.55 / Cord
Red Pine	175 Cords	\$ 27.50 / Cord

* The total volume is statistically estimated within plus (+) or minus (-) 8.73 percent. There are an estimated 4,303 cords on this timber sale, plus or minus 376 cords at the 95% confidence level. The estimated units are final and not subject to adjustment. Prospective bidders are urged to examine this timber and to make their own estimates of quantity and quality.

BOND AND PAYMENT SCHEDULE:

1. A bond in the amount of \$5,262.05 to insure faithful performance of the conditions of the contract will be deposited by the successful bidder within 21 days of the sale award.
2. Cutting in any sale or unit without the required advance payment would be considered a trespass.
3. Total payment must be paid in advance or according to the following schedule :
 - (a) Ten percent (10%) of the sale value must be paid within 21 days of the sale award.
 - (b) The 10% down payment will be credited towards the first unit cut.
 - (c) Payment for each of the following units must be made before cutting begins in that unit:

<u>PAYMENT UNIT NUMBER</u>	<u>PERCENT OF TOTAL SALE VALUE</u>
01	29.2%
02	31.0%
03	11.0%
04	17.2%
05	11.6%

4. If no cutting takes place, the 10% down payment will not be refunded.
5. Operations on the contract issued will terminate on 04/14/2024.

SALE STATISTICS

SALE VOLUMES

<u>VOLUME</u>		<u>STATISTICAL RANGE IN CORDS</u>		
<u>TOTAL CUBIC FEET</u>	<u>TOTAL CORDS</u>	<u>PERCENT ERROR</u>	<u>MINIMUM</u>	<u>MAXIMUM</u>
339,961	4,303	8.73%	3,928	4,679

VDU VOLUMES

A VDU is a Volume Determination Unit. Volumes and their associated statistics are calculated at the VDU level and summarized to the sale level. There is often a one to one relationship between a VDU and a Payment Unit, but not always, depending on the cruise design. Refer to the VDU TO PAYMENT UNIT table.

	VOLUME			RANGE IN CORDS	
VDU	TOTAL CUBIC FEET	TOTAL CORDS	PERCENT ERROR	MINIMUM	MAXIMUM
36	29,270	371	27.75%	268	473
41	217,392	2,752	19.12%	2,226	3,278
42	92,327	1,169	11.31%	1,037	1,301
142	219,320	2,776	14.40%	2,376	3,176
TOTAL:	558,309	7,067		5,906	8,228

VDU TO PAYMENT UNIT

When a VDU is associated with more than one Payment Unit (PU), the VDU volumes are assigned to the PU based on acres of the VDU within the PU.

VDU	VDU ACRES	PU	PU ACRES
36	17.2	2	17.2
41	50.5	4	30.1
		5	20.4
42	40.1	1	40.1
142	40.8	2	28.1
		3	12.7
TOTAL:	148.6		148.6

DESCRIPTION OF TIMBER BY PU (PU)

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
1	B. T. Aspen	Sawtimber	2.9	MBF	40.1	\$21,932.65
	Red Oak		61.9	MBF		
	Red Pine		35.5	MBF		
	White Oak		18.8	MBF		
	Misc. Species 1	Pulpwood	43	Cords		
	Mixed Aspen		390	Cords		
	<i>B. T. Aspen</i>		390	Cords		
	Mixed Oak		437	Cords		
	<i>Red Oak</i>		374	Cords		
	<i>White Oak</i>		63	Cords		
	Red Maple		24	Cords		
	Red Pine		37	Cords		
2	B. T. Aspen	Sawtimber	28.0	MBF	45.3	\$23,321.25
	Red Maple		1.4	MBF		
	Red Oak		45.0	MBF		
	Red Pine		19.7	MBF		
	White Oak		33.3	MBF		
	Jack Pine	Pulpwood	134	Cords		
	Misc. Species 1		45	Cords		
	Mixed Aspen		592	Cords		
	<i>B. T. Aspen</i>		584	Cords		
	<i>Quaking Aspen</i>		8	Cords		
	Mixed Oak		232	Cords		
	<i>Red Oak</i>		149	Cords		
	<i>White Oak</i>		83	Cords		
	Red Maple		56	Cords		
	Red Pine		14	Cords		
3	B. T. Aspen	Sawtimber	7.2	MBF	12.7	\$8,291.45
	Red Maple		0.6	MBF		
	Red Oak		20.4	MBF		
	Red Pine		7.0	MBF		
	White Oak		15.0	MBF		
	Jack Pine	Pulpwood	23	Cords		
	Misc. Species 1		15	Cords		
	Mixed Aspen		165	Cords		
	<i>B. T. Aspen</i>		161	Cords		
	<i>Quaking Aspen</i>		4	Cords		
	Mixed Oak		98	Cords		
	<i>Red Oak</i>		60	Cords		
	<i>White Oak</i>		38	Cords		
	Red Maple		26	Cords		
	Red Pine		5	Cords		
4	Red Oak	Sawtimber	2.8	MBF	30.1	\$12,893.90
	Red Pine		71.9	MBF		
	Jack Pine	Pulpwood	321	Cords		
	Misc. Species 1		33	Cords		
	Mixed Aspen		71	Cords		
	<i>B. T. Aspen</i>		71	Cords		
	Mixed Oak		155	Cords		
	<i>Red Oak</i>		142	Cords		
	<i>White Oak</i>		13	Cords		
	Red Maple		9	Cords		
	Red Pine		71	Cords		
5	Red Oak	Sawtimber	1.9	MBF	20.4	\$8,732.90
	Red Pine		48.7	MBF		

DESCRIPTION OF TIMBER BY PU (PU), CON'T

PU	MARKET GROUP	PRODUCT	QUANTITY	UNIT	ACRES	ADVERTISE PRICE
5 con't	Jack Pine	Pulpwood	218	Cords		
	Misc. Species 1		22	Cords		
	Mixed Aspen		48	Cords		
	<i>B. T. Aspen</i>		48	<i>Cords</i>		
	Mixed Oak		105	Cords		
	<i>Red Oak</i>		97	<i>Cords</i>		
	<i>White Oak</i>		8	<i>Cords</i>		
	Red Maple		6	Cords		
	Red Pine		48	Cords		
TOTAL:			422.0	MBF		
TOTAL:			3,443	Cords		

Sale Specific Conditions & Requirements

Sale Name: 131 Tank Tank Aspen

Sale Number: 61-626-20 Seq#: 1

1 - Sale Area

1.2 - Boundaries

1.2.1 - Painted boundaries (9/19)

The sale boundary and Payment Unit boundaries are marked and identified by red and yellow paint. Exterior sale boundary lines against state are marked with red paint. Interior Payment Unit boundaries are marked with yellow paint, with the exception of the boundary between Payment Units 2 and 3, which is unpainted and identified by the forest road. The painted boundary line trees are not Included Timber and are to be protected unless marked with orange paint. Yellow painted trees designating an interior Payment Unit boundary are only to be cut when all surrounding Payment Units have been paid for and they are designated for removal in both adjacent payment units.

2 - Timber Specifications

2.1 - Included Timber

2.1.2 - Clearcut unit(s) w/o unmerchantable trees (8/11)

Within Payment Unit(s) 1-5, cut all trees which meet minimum piece specifications in 2.2 Utilization, except do not cut white pine or any trees marked with green paint. In addition, within Payment Units 4 and 5, do not cut any red pine trees over 22" at DBH.

2.2 - Utilization

2.2.2 - Chipping required (2/18)

This area must be chip harvested to meet National Guard requirements. However, the chipping requirement may be waived with military approval, if the Purchaser can demonstrate that the site can be sufficiently prepared for future military training. The Purchaser has the option to produce sawlogs or pulpwood bolts, but the remaining portion of the trees must be chipped. The requirement to retain approximately 1/6 to 1/3 of tree tops and limbs less than four inches in diameter does not apply (G. C. & R. 2.2). This is due to National Guard requirements.

2.2.3 - Stump heights (4/07)

Stump heights within the Sale Area shall not exceed 12 inches for trees greater than 10 inches DBH and 4 inches for trees smaller than 10 inches DBH. This is in order to facilitate military requirements.

3 - Payments

3.3 - Pre-measured Sales

3.3.4 - Dividing payment units (7/14)

Payment Unit(s) over \$20,000 in value may be divided at the request of the Purchaser and upon approval of the Unit Manager. Dividing Payment Units is a contract modification which requires a Timber Sale Contract Amendment. There will be only one division per Payment Unit.

4 - Transportation

4.1 - Construction

4.1.6 - Road construction (1/09)

Construction of new roads or improvements of existing roads shall be done in such a way as to minimize the environmental and visual impacts. Merchantable trees shall be cut and utilized unless otherwise directed. Non-merchantable trees shall be severed and laid flat on the ground. Slash shall be scattered, and not left in windrows and kept a minimum of 10 feet back from the road edge. Stumps shall be set upright, not left on edge, and be moved at least 10 feet away from the road edge. Disturbed soil shall be feathered into the woods and not left in berms or windrows.

4.1.7 - Road closure (10/11)

All new roads built into the sale must be blocked to vehicle traffic within 30 days of completion of hauling. In general, this will require constructing a four (4') foot high berm of stumps and logs covered with earth. Stumps and brush must be placed along the remainder of the trail where they are readily available. These roads must be rendered impassable to cars, trucks and ORVs.

5 - Operations

5.1 - Notification

5.1.5 - National Guard notification (2/15)

This sale is upon lands utilized for training by the Michigan National Guard - Camp Grayling. A minimum of five (5) business days prior to opening this sale, the producer must request that the sale administrator contact the military for information regarding training plans that may impact sale operations.

5.2 - Conduct of Operations

5.2.2 - Hazard Trees/Snags

5.2.2.1 - Den trees (10/16)

Obvious hollow and/or den trees shall be protected and left standing unless they are a safety hazard. Standing dead oak can be cut and utilized however hollowed out trees should be left uncut.

5.2.3 - Operating Restrictions

5.2.3.5 - Oak wilt restriction (1/18)

Within Payment Units 1-5, unless changed by written agreement, cutting, skidding, hauling within the sale and brushing of access roads to the sale are not permitted during the period of April 15 to July 15. Operations may be allowed if specific steps are taken to prevent damaging uncut oak during the high risk period. Those steps may include completing all road brushing before April 15th and clearing a tree-length buffer along uncut oak cover before April 15th. This is necessary to reduce the spread of oak wilt. For more information, contact the Unit Manager or his/her representative.

5.2.3.7 - National Guard training restriction (1/09)

Operations on this contract may not be allowed during National Guard training operations. Typically, the restricted period is from May 1 to October 31. The Purchaser must check with the Unit Manager or sale administrator, who will coordinate the cutting schedule with the Military. All harvest equipment must be removed from the sale area during the period of May 1 to October 31.

5.2.3.11 - Coppice regeneration protection (4/10)

Timber harvesting in any Payment Unit must be completed before significant aspen sprouting occurs in that Payment Unit so as to minimize damage to the new regeneration. Any post harvest operations, such as chipping, must be completed before sprouting of regeneration occurs. If it is anticipated that chipping will be delayed, then tops shall be carried to one central location or left unchipped. The Unit Manager or his/her representative may cease such operations if sprouting occurs before the operation is complete.

5.2.32 - Decking/landing restoration (9/13)

All decking and landing areas must have the surface area restored to a condition equal to or better than before. This is to ensure the proper regeneration of the stand. Wood debris, chips and "cookies" from trimmings must be removed or scattered away from landing and loading areas and may not be windrowed on the edge.

5.2.38 - No decking against live trees (2/04)

Cut products may not be decked against unmarked or designated leave trees.

5.8 - Protection of Endangered Species

5.8.5 - Protection of raptor nests (3/13)

All trees with raptor nests will be protected if found during harvesting operations. Notification will be made to the Unit Manager or his/her representative who will notify the Wildlife Biologist so an on-site evaluation and recommendation can be made, if necessary.

6 - Safety and Fire Prevention

6.2 - Signing

6.2.1 - Road posting (9/09)

The Purchaser is responsible for posting and maintaining caution signs on impacted roads prior to beginning operations. The road must be posted at appropriate distances from the sale area to warn of logging activity and truck traffic. Signs must be removed when harvest operations are suspended or completed. The Purchaser will provide these signs.

SKIP

6.4 - Unexploded ordinance (7/15)

Be aware that the sale area could contain UXO (unexploded ordinances). Do not touch, or drive over any metal objects. If any objects are found, please flag the area and notify the Unit Manager or his/her representative, so that they can make arrangements with the Military.

7 - Other Conditions

7.10 - Certified Timber

7.10.1 - Non-certified timber (2/16)

The area encompassed by this timber sale is not certified to the standards of the Forest Stewardship Council (FSC) or the Sustainable Forestry Initiative (SFI). Forest products from this sale may not be delivered to the mill as "FSC and / or SFI certified". The lands within this sale are managed for military training.

