

PENNSYLVANIA GAME COMMISSION
2001 ELMERTON AVENUE
HARRISBURG, PA 17110-9797
ATTN: FORESTRY DIVISION, BUREAU OF WILDLIFE HABITAT MANAGEMENT

Gentlemen:

In answer to a recent advertisement for lump sum bids on an estimated **938,874** board feet of sawlogs and **3495** tons of pulpwood located on **223acres** of State Game Lands No. 037, Middlebury Township, Tioga County, I offer the following:

\$ _____
(BID QUOTATION MUST BE TYPEWRITTEN OR IN INK)

Full payment will be made when agreements are signed or payment in full for each individual cutting block before cutting operations are started on that block.

It is further understood that an acceptable bond of **\$30,000.00** will be provided to guarantee faithful performance of the agreement.

Removal of timber to be subject to the terms, conditions and stipulations included in the Timber Sale Agreement. It is understood that the contract will run until **June 15, 2019**.

ATTACHED IS **CERTIFIED, CASHIER'S OR TREASURER'S CHECK OR MONEY ORDER, (PERSONAL, COMPANY, CORPORATE CHECK OR CASH ARE NOT ACCEPTED)**, IN THE AMOUNT OF **\$1,000.00** as evidence of good faith in bidding. I understand that it will be forfeited as fully liquidated damages upon my failure within 45 days after presentation to accept and execute the contract and provide a bond as required.

IN CASE OF PARTNERSHIP, EACH PARTNER SIGNS: IF A CORPORATION, THE AUTHORIZED OFFICER MUST SIGN, GIVING HIS/HER TITLE AND NAME OF CORPORATION.

Sincerely yours,

(Tax No. or Social Security No.)

Signature of Bidder - Sign In Ink

(Telephone Number)

Print Name

Firm Name

Street Address (Name, Number, Etc.)

City State Zip

BIDS MUST BE SUBMITTED IN AN ENVELOPE THAT CLEARLY STATES ON THE OUTSIDE: **BID PROPOSAL FOR TIMBER SGL # 037**. Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, PA 17110-9797, at **2:00 P.M., Monday, Aug 15, 2016**. The Commission reserves the right to reject any and all bids and to award the contract as deemed to its best interests.

- INSTRUCTIONS TO BIDDERS -

The following information covers details concerning the proposed lump sum sale of an estimated **938,874** board feet of sawlogs and **3495** tons of pulpwood located on **223 acres** of State Game Lands No. 037, Middlebury Township, Tioga County.

See attached sheets for additional volume information. The volume and percentages are not guaranteed and each prospective bidder is urged to examine the sale area and bid on the basis of his own estimate.

- SHOW DATE -

Timber will be shown to prospective bidders on **July 29, 2016 at 10am**. Viewers will be met at **the intersection of Hills Creek Road and PA 287 (see the attached map)**.

The timber to be sold will be clearly designated by **Gary Glick, PO Box 5038, Jersey Shore, PA 17744**, telephone: 1-570-398-4744, the Regional Forester.

- BIDS -

BIDS SHOULD BE MAILED AT LEAST FOUR (4) WORKING DAYS PRIOR TO BID OPENING TO PERMIT U.S. POSTAL SERVICE DELIVERY. USE SPECIAL MAIL SERVICE IF MAILED LATER THAN FOUR DAYS PRIOR TO BID OPENING. SPECIAL DELIVERY BIDS SHOULD BE ADDRESSED TO: PENNSYLVANIA GAME COMMISSION, FORESTRY DIVISION, 2001 ELMERTON AVENUE, HARRISBURG, PA 17110-9797.

Bids must be submitted in an envelope that clearly states on the outside: **BID PROPOSAL FOR TIMBER. SGL #037**. Bids received in envelopes not containing this information will be rejected.

In order to be considered, the bid shall be accompanied by a **CERTIFIED, CASHIER'S OR TREASURER'S CHECK, OR A BANK, POSTAL OR EXPRESS MONEY ORDER**, payable to the Pennsylvania Game Commission in the amount of **\$1,000.00**, as evidence of good faith in bidding, to be forfeited as fully liquidated damages upon the bidders failure to accept the award, execute the contract and give bond as required. Bid deposits will be returned to the unsuccessful bidder when the contract has been executed and a satisfactory performance deposit has been furnished.

In lieu of bid deposit, bidders may submit an open bid bond to cover the deposit requirement. Any bid bond must be filed for an annual period and both the amount of bond and the surety shall receive prior approval of the Pennsylvania Game Commission.

The Commission reserves the right to reject any and all bids and to award the contract as deemed to its best interests.

Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, Pennsylvania 17110-9797, at 2:00 P.M., **Monday, Aug 15, 2016**, telephone: 717/787-2039. **BIDS RECEIVED LATER THAN 2:00 P.M., THIS DATE, WILL BE REJECTED.**

- PERFORMANCE DEPOSIT -

A performance bond in the amount of **\$30,000.00** will be required in the form of a Certified Check or a Postal Money Order drawn to the order of the Pennsylvania Game Commission. Negotiable securities, including assignment of a bank savings account may be furnished in lieu of above. A bond with corporate surety approved by the Attorney General, or a bank Irrevocable Letter of Credit, may be posted provided the bond has an expiration date a minimum of 1 year beyond the expiration date of the timber contract.

- EXPIRATION OF CONTRACT -

Contract will expire **June 15, 2019**

- PAYMENTS -

The sale is divided into **3** cutting blocks. Payment may be made by:

1. Total payment when agreement is signed.
- or
2. Payment by individual block or blocks.

- 1 – 11% - 58 acres
- 2 – 10% - 24 acres
- 3 – 14% - 10 acres
- 4 – 18% - 43 acres
- 5 – 6% - 16 acres
- 6 – 27% - 35 acres
- 7 – 4% - 4 acres
- 8 – 9% - 30 acres

Payment for Block 1 (11% of the bid price) is due at contract execution. Final payment is due No Later Than 120 days before the expiration of the Agreement

- ANTI DISCRIMINATION -

The contractor awarded the Timber Sale Agreement agrees he will not discriminate against any employee or other persons on account of race, sex, creed, age, ancestry or national origin.

- SAFETY and ENVIRONMENTAL PROTECTION –

The Buyer, his employees and sub-contractors are expected to perform all logging operations in a safe manner as required by applicable laws and regulations. The Commission expects the Buyer to ensure that logging crewmembers dress in protective attire, and perform their duties with equipment in accordance with standards established by the logging industry and the Occupational Safety and Health Administration (OSHA).

The PGC recommends that logging crews working on State Game Lands be trained in safe logging techniques and sound environmental logging practices through a formal training program such as the one provided by the Pennsylvania Sustainable Forestry Initiative (PA SFI) or another similar program.

Contractor must comply with the erosion and sediment control plan for disturbed areas that is included as a part of the timber contract.

- SPECIAL PROVISIONS -

See **11** Attached Sheet(s).

SPECIAL PROVISIONS FOR Woodstove

S.G.L. # 037 T.S. # 037-16-01

1) ADMINISTRATIVE ITEMS

- a) Whole tree harvesting will only be permitted in Block 6.

2) BOUNDARIES, BLOCKS, AND CUTTING INSTRUCTIONS

- a) Timber sale boundaries are marked by blue stripes.
- b) In Blocks 1, 2, 3, 4, 5, 7, & 8 **all trees marked with yellow paint must be cut.** Snags are to be left standing unless they present a safety hazard. Any reserved trees that are felled for safety reasons must be left at the stump.
- c) In Blocks 1, 2, 3, 5, & 8 **all 2 inch to 4 inch DBH live trees must be cut.**
- d) In Block 6 reserve trees are marked with red paint. **Block 6 is an aspen block and must be harvested during the dormant season (Oct. 15th – March 1st). All other trees 2 inch DBH and greater within block are to be cut.**
- e) The boundaries of the new road to build in Block 1 and Block 6 are marked with an orange "R". All trees within these boundaries are to be cut and stumps removed. The orange painted trees are to be cut last and do not have to be stumped.
- f) The boundaries for the new landings in Block 1, 6, & 7 are marked with an orange "L". All trees within these boundaries must be cut and stumps removed. The orange painted trees are to be cut last and do not have to be stumped.
- g) Designated skid trail corridors are marked through portions of Blocks 1, 2, 4, & 7. The centerline of these trails are marked with orange paint. Upon completion of harvesting these trails must be cleared of debris and kept open for travel.
- h) Islands are marked with blue I's. No cutting or skidding is permitted in islands.
- i) Game Land boundary, roads, herbaceous openings, and spring runs are to be kept free of tops.
- j) Cull portions of the tree are to be left at the stump. Logs and pulpwood are to be cut to length in the woods to minimize short ends at the landings.
- k) Extra caution should be taken to avoid felling damage or skidding damage to reserved trees.

3) US / STATE / LOCAL ROADS

- a) Contractor will be responsible for all permits and bonds on both state and township roads.

4) GAME LAND ROADS TO BUILD / IMPROVE

a) Road to Build

1. Prior to hauling - Segment E-F will be constructed. The segment is identified on map and located in Block 1. The new road is approximately 1,960 feet in length and is to have a running surface of 12 feet. Banks are to be graded to 2:1 slope.
2. The contractor will supply and place 110 tons of #3 stone in Segment E-F. The placement will be directed by the Regional Forester. This is a minimum and more stone/shale may be required should conditions dictate.
3. Prior to hauling - Segment I-J will be constructed. The segment is identified on the map and leads to Block 6. The new road is approximately 3,140 feet in length and is to have a running surface of 12 feet. Banks are to be graded to 2:1 slope.
4. The contractor will supply and place 110 tons of #3 stone in Segment I-J. The placement will be directed by the Regional Forester. This is a minimum and more stone/shale may be required should conditions dictate.
5. A 15 inch x 25 feet plastic culvert will be placed and covered with 22 tons of 2A Modified stone at drop point I (where the new road to construct to Block 6 intersects with the existing road).
6. At the conclusion of the sale the road will be crowned, ditched, graded, stone raked, and seeded (see Section 8 for rates and seed mixtures).

Total stone for these sections: 220 tons #3 stone
22 tons 2A Modified stone
Total culvert pipes for these sections: 1 - 15" X 25'
Total road to build: 5,100 feet

b) Road to Improve

1. At the start and at the conclusion of harvest operations the operator will crown, ditch, and grade all haul roads.
2. Segment A - B, prior to hauling, 66 tons of #3 stone (280 feet x 12 feet x 5 inches deep) will be applied to area designated by Regional Forester.

A new wooden-post gate must be installed to replace the existing gate at point A. Similar construction and width is required.
3. Segment B - C, prior to hauling, a 15 inch x 25 feet plastic culvert will placed at location designated by Regional Forester and covered with 22 tons of 2A Modified stone.
4. Segment C - D, prior to hauling, 638 tons of #3 stone (2,700 feet x 12 feet x 5 inches) will be applied to area designated by Regional Forester.
5. Segment D - E, prior to hauling, 440 tons of #3 stone (1,900 feet x 12 feet x 5 inches) will be applied to area designated by Regional Forester.
6. Segment D - G, prior to hauling, 110 tons of #3 stone will be applied to several areas designated by Regional Forester.
7. Segment G - H, prior to hauling, 374 tons of #3 stone (1,600 feet x 12 feet x 5 inches) will be applied to area designated by Regional Forester.

8. At the conclusion of road use, obstructed culverts are to be cleaned out with a backhoe or excavator. All road segments, except segment B – C, will be seeded with the seed mix specified in section 8.

**Total stone for these sections: 1,628 tons #3 stone
22 tons 2A Modified stone**
Total culvert pipes for these sections: 1 - 15" X 25'
Total length of road to improve: 13,570'

5) LANDINGS

- a) New and existing landings locations are designated on the sale map. There are three new landings to construct and one existing landing. The new landing area boundaries are marked with an orange "L" in the field. Stone needed for each landing approach has been allocated in the nearest road segment.
- b) Logging debris is to be kept to a minimum. All logs and pulpwood are to be marked to length in the woods to minimize short ends at the landings.
- c) At the conclusion of the sale, all landings are to be leveled, cleared of debris, stone raked, limed, fertilized, seeded, and mulched according to specifications outlined in Section 8 below.

6) WOVEN WIRE FENCING

Contractor shall be required to fence Blocks 1, 2, and 6. Total footage is 14,470 feet. Block 1 and Block 2 will be fenced together as one unit and will have an approximate perimeter of 8,670 feet. Block 6 has an approximate perimeter of 5,800 feet. This will be accomplished with woven wire fencing according to the attached fencing specifications. There will be two truck gates (16 feet wide) and 8 man gates. The work must be completed (a) at any time prior to cutting the sale, or (b) within 60 days of the conclusion of cutting the sale block.

For Woven Wire Fence Specs see section 13 below.

7) SKIDDING

- a) Primary skid trails have been designated by the Regional Forester and are marked with an orange center line. Other existing trails used for skidding must be left open and level.
- b) No skidding across small drainages will be permitted without the use of temporary bridges.
- c) Skidders are to be kept off of haul roads as much as possible.
- d) Wet areas should be avoided when skidding and any treetops which are felled into small wet areas should be left in the water rather than pulled out.
- e) If skid trails are to sit idle for one month or more they are to have water bars added.
- f) Main skid trails are to be leveled, open and have water bars added at the conclusion of the sale.

8) **SEEDING OF ROADWAYS AND LANDINGS**

- a) At the conclusion of the sale all landings are to be leveled, cleared of debris, stone raked, limed, fertilized, seeded, and mulched according to the following:

5 LB LADINO or WHITE CLOVER - Inoculated Seed
5 LB CRIMSON CLOVER - Inoculated Seed
50 LB WHEAT or OATS (Seasonal)

Lime 4 tons per acre.

Fertilizer - 300 lbs. per acre of 10-20-20

Straw mulch will be required at a rate of 50 bales per acre

Approx. 2.0 acres of landings are to be seeded, limed, fertilized, and mulched at the conclusion of the sale.

- b) At the conclusion of the sale all roads are to be leveled, cleared of debris, stone raked, and seeded according to the following:

5 LB LADINO or WHITE CLOVER - Inoculated Seed
5 LB CRIMSON CLOVER - Inoculated Seed
50 LB WHEAT or OATS (Seasonal)

Approx. 9.0 acres of haul road are to be seeded at the conclusion of the sale.

- c) The Regional Forester is to be notified prior to the application of lime, seed, fertilizer, and mulch.
- d) All other bulldozed skid trails are to be seeded with wheat.
- e) Guaranteed catch of cover must be obtained to the satisfaction of the Regional Forester before the bond will be released.

9) **OPERATIONS AND NON-WORK DAYS**

- a) No woods operation will be permitted on the following days:
1. All Saturdays in the months of October, November, December, and January.
 2. The opening day and all Saturdays during spring turkey season, including the youth spring gobbler hunt.
 3. All the days of the general statewide bear season
 4. The entire 2 weeks of the general firearms deer season
 5. The opening day of the flintlock muzzleloader season

No woods operation will be permitted from **March 1st thru April, 15th without** the permission of the Regional Forester.

- b) The contractor, employees, and sub-contractors may not hunt to, from, or at the job site when the work location is beyond a gated road that is closed to public traffic. The contractor may travel to and from the work location on no-work days to check on the condition of equipment.
- c) ***Except on Sundays, it is unlawful to be present on State Game Lands from November 15 through December 15 inclusive when not engaged in lawful hunting or trapping and fail to***

wear a minimum of 250 square inches of daylight fluorescent-orange material on the head, chest, and back combined, or in lieu thereof, a hat of the same colored material. The material shall be worn so it is visible in a 360-degree arc.

10) MISCELLANEOUS

- a) Operator must comply with the erosion and sedimentation control plan for the area.
- b) Any existing trail or road that is used must be graded and seeded at the conclusion of cutting operations.
- c) **Successful bidder is to contact PA One Call (1-800-242-1776) prior to construction of landings, haul roads, skid trails, or other earth moving activity to identify and locate underground utility lines.**
- d) *Violation of contract provisions by the operator may subject the operator or its employees or contractors to fine based on Title 58 regulations.*

11) SAFETY AND LOGGER TRAINING

The Buyer, his employees and sub-contractors are expected to perform all logging operations in a safe manner as required by applicable laws and regulations. The Commission expects the Buyer to ensure that logging crewmembers dress in protective attire, and perform their duties with equipment, in accordance with standards established by the logging industry and the Occupational Safety and Health Administration (OSHA).

The PGC recommends that logging crews working on State Game Lands be trained in safe logging techniques and sound environmental logging practices through a formal training program such as the one provided by the Pennsylvania Sustainable Forestry Initiative or another similar course.

12) **PA RIGHT TO KNOW PROVISIONS**

CONTRACT PROVISIONS – RIGHT TO KNOW LAW

- a. The Pennsylvania Right-to-Know Law, 65 P.S. §§ 67.101-3104, applies to this contract.
- b. Unless the Contractor provides the Commonwealth, in writing, with the name and contact information of another person, the agency shall notify the Contractor using the Contractor information provided by the Contractor in SRM [or “the legal contact information provided in this contract”] if the agency needs the Contractor’s assistance in any matter arising out of the Right to Know Law (“RTKL”). The Contractor shall notify the agency in writing of any change in the name or the contact information within a reasonable time prior to the change.
- c. Upon notification from the Commonwealth that the Commonwealth requires the Contractor’s assistance in responding to a RTKL request for records in the Contractor’s possession, the Contractor shall provide the Commonwealth, within fourteen (14) calendar days after receipt of such notification, access to, and copies of, any document or information in the Contractor’s possession which arises out of the contract that the Commonwealth requests (“Requested Information”) and provided such other assistance as the Commonwealth may request in order to comply with the RTKL. If the Contractor fails to provide the Requested Information within fourteen (14) calendar days after receipt of such request, the Contractor shall indemnify and hold the Commonwealth harmless for any damages, penalties, detriment or harm that the Commonwealth may incur as a result of the Contractor’s failure, including any statutory damages assessed against the Commonwealth.
- d. The Commonwealth’s determination as to whether the Requested Information is a public record is dispositive of the question as between the parties. Contractor agrees not to challenge the Commonwealth’s decision to deem the Requested Information a Public Record. If the Contractor considers the Requested Information to include a request for a Trade Secret or Confidential Proprietary Information, as those terms are defined by the RTKL, the Contractor will immediately notify the Commonwealth, and will provide a written statement signed by a representative of the Contractor explaining why the requested material is exempt from public disclosure under the RTKL within seven (7) calendar days of receiving the request. If, upon review of the Contractor’s written statement, the Commonwealth still decides to provide the Requested Information, Contractor will not challenge or in any way hold the Commonwealth liable for such a decision.
- e. The Commonwealth will reimburse the Contractor for any costs associated with complying with this provision only to the extent allowed under the fee schedule established by the Office of Open Records or as otherwise provided by the RTKL if the fee schedule is inapplicable.
- f. Contractor agrees to abide by any decision to release a record to the public made by the Office of Open Records, or by the Pennsylvania Courts. The Contractor agrees to waive all rights or remedies that may be available to it as a result of the Commonwealth’s disclosure of Requested Information pursuant to the RTKL. Contractor’s duties relating to the RTKL are continuing duties that survive the expiration of this contract and shall continue as long as the Contractor has Requested Information in its possession.

13) Deer Deterrent Fence Installation Specifications

a) **HAZARD TREES**

1. After the location of the fence has been determined, all hazard trees, which are within tree length of the fence, must be felled. Hazard trees are dead and dying trees, split trees, heavily leaning trees, and/or root sprung trees, which are in a position to fall across the fence.
2. A Forestry Division representative will consult with the vendor to determine which trees are to be considered hazard trees. All trees determined by the Forestry Division to be merchantable may be required to be skid to a landing area assigned by the Forestry Division representative.

b) **CLEARING FENCE AREA**

1. It is the responsibility of the contractor to clear and level a path at least six feet wide, but not more than eight feet wide, of all brush, stumps, rocks, or other obstructions.
2. Obstructions, which in the opinion of the Forestry Division representative will cause greater installation or maintenance problems, may be left in place.
3. This path will lie outside of the fence and will serve as the access corridor for equipment during installation, serve as a level location for the fence to be erected, and as a maintenance corridor.
4. Disturbance of the entire perimeter may not be necessary. In those areas where the ground is naturally level, free of stumps, and/or free of rocks, no disturbance will be required.
5. A bulldozer of the Caterpillar D4 class should be adequate in completing the required fence line clearing.
6. The contractor will be responsible for, and may be invoiced for, damage to standing trees. Tree damages will be calculated by using the Forestry Division's timber stumpage values for the Region. The stumpage value will then be doubled or tripled depending upon the severity and/or amount of contractor negligence. The severity of negligence will be determined by the Forestry Division representative. The minimum charge for any commercial, non-commercial, merchantable, or non-merchantable tree shall be twenty-five dollars (\$25.00). The Forestry Division will have the final determination in all damage disputes.

c) **EROSION AND SEDIMENTATION CONTROL**

1. Equipment will not be operated when ground conditions are such that excessive damage will result.
2. **The contractor will be required to repair areas that become rutted due to work, install waterbars in areas that are of sufficient slope that erosion may occur, and seed and mulch areas that may be prone to erosion and/or sedimentation along the fence line according to the following specifications.**

5 lbs per acre - White Clover - innoculated
5 lbs per acre - Crimson Clover - innoculated
25 lbs per acre - Wheat

The entire fence path will be seeded with 25 pounds/acre of Wheat.

3. Small intermittent or perennial streams, adjacent stream banks, or seeps, which are unavoidable, will be cleared by hand. The Forestry Division representative reserves the right to determine which areas are to be cleared by hand.

d) FENCE SUPPORTS

1. The contractor will erect the fence by fastening the fence to posts or poletimber trees. No trees of a diameter breast height greater than 12 inches will have fasteners driven into them. If trees greater than 12 inches DBH are to be used to secure the fence, alternate means of attachment that does not damage the tree must be used. All trees will be protected by having a 2" x 4" board of sufficient length placed between the fence and the tree and the fence will be attached to the board.
2. The Forestry Division reserves the right to waive the above attachment rule in instances it determines tree damage is not a consideration.
3. Posts that must be added to serve as in-line posts must be 4" x 4" treated square posts, four inch round treated posts, or steel posts that weigh two pounds/foot. Line posts are to be ten feet long and placed in the ground at least two feet. Corner posts must be at least a 6" x 6" treated post or five inch round treated post and braced or supported in place. Bracing and/or guy wires may be used to support the corner post(s) but must be sufficient to prevent the post from bending or pulling free of the ground. The Regional Forester may waive this requirement if adverse digging, drilling or driving conditions exist.
4. All bracing or guy wires outside the fenced area must be clearly marked to prevent a safety hazard to any and all persons.

e) FENCE MATERIALS

1. The fence will be approximately a seven-foot high fence using two-47 inch rolls or one-eight (8) foot roll of galvanized steel woven wire or fixed knot fencing. Wire fencing materials will have no more than six inches between stay wires and have at least ten graduated line wires. The top and bottom wires will be at least 12-1/2 gauge wire and stay wires will be at least 14-1/2 gauge wire. Products deemed equal may be approved at the discretion of the Chief Forester.

f) FENCE STRETCHING

1. The finished fence will be seven feet high with approximately a one foot overlap on the ground pulled to the outside of the fenced in area. The fence will be stretched so that the wire is pulled against a corner or turning support. Maximum distance between fence supports will be no greater than 30 feet between posts and 40 feet between trees.
2. The top and bottom rolls of fence will be fastened to each other every three feet by twisting, tying, or fastening the bottom wire of the top roll to the top wire of the bottom roll. Where a post is used, the top wire of the top roll must be secured to the post. Each roll of fence will be fastened in three places: Top, middle, and bottom. Ties to secure the fence to metal poles will be 14-1/2 gauge galvanized or stainless steel wire ties or other commercially suitable ties. Stainless steel or galvanized hog rings may be used to fasten the top fence to the bottom fence. Twisting the bottom wire of the top fence section and the top wire of the bottom fence section may be used. Ties may also be used to secure the two sections together but must be

14-1/2 gauge stainless steel or galvanized wire. The Forestry Division may specify the point where fence stretching begins. This is to facilitate the driving of deer from the fenced area.

❖ **No aluminum may be used in the installation of the fences.**

g) FASTENERS

1. Staples will be one and one-half inch galvanized steel. **No staples will be driven into trees.**
2. The nails used to fasten the 2" x 4" board to the trees have no specifications but must hold the board securely to the tree while the fence is being stretched. The nails used should be long enough to securely hold the 2" x 4" in place and still leave approximately one inch
3. exposed to facilitate eventual removal. Nails used must be larger than #8 common.

h) SECURING FENCE BOTTOM

1. The fence must be installed so that deer will be unable to crawl under the fence. A one foot overlap on the ground on the outside of the fence will be established. The fence is to be anchored to the ground with stakes or stapled to sound wood every ten feet. Stakes must be driven into the ground 12 inches.
2. Gaps between the ground and the fence of over three inches in height and six inches in length will be filled with sound wood and the fence will be stapled at the bottom to the wood. Other means may be used if approved by the Forestry Division representative.

i) ACCESS

1. Walk-through type gates (see attached diagram) will normally be required on all fence projects. Specific numbers of walk-through type gates required for each fence project are indicated on the attached maps. Walk-through gate construction specifications are attached. Locations for these gates will be determined by the Forestry Division representative and with the contractor. All walk-through gates will be primed and painted yellow.
2. Sixteen-foot wide truck gates may be required for each fence project. The specific number of 16' truck gates required for each fence project is indicated on the attached maps. Gate design must be approved by the Regional Forester.

j) OPERATING AREA

1. The contractor may operate vehicles on the cleared fence path. Vehicles may not travel into the area to be fenced in without approval of the Forestry Division representative.

k) DEBRIS AND GARBAGE

1. The contractor will remove all trash and garbage generated during the completing of this contract. This is to include all materials generated from the installation of the fence and items generated from the personal use by the contractor's employees.

l) DEER DRIVE

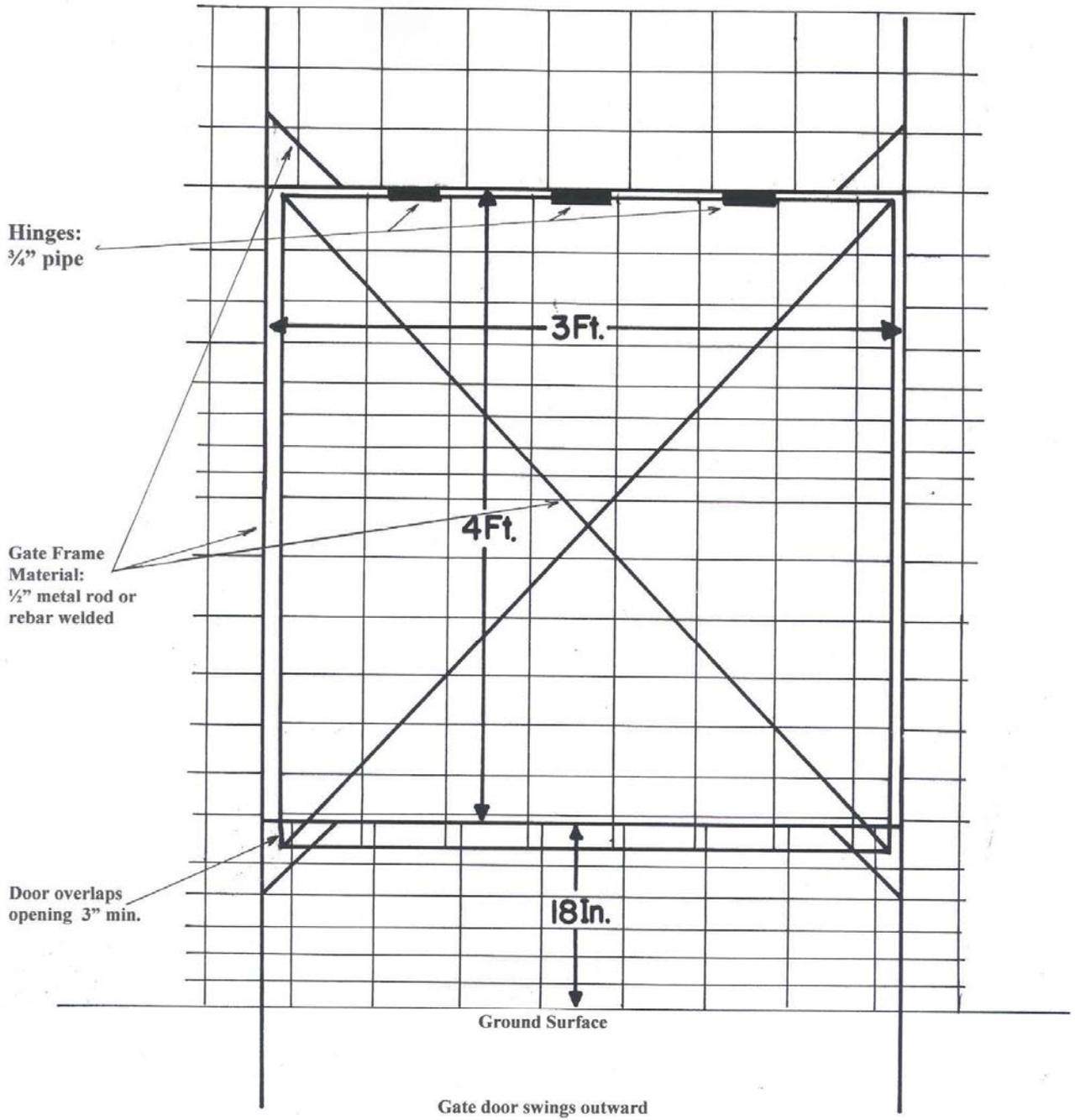
1. The contractor must drive all deer from the fenced area prior to the closing of the fence. The contractor will notify the Forestry Division representative 48 hours prior to conducting the deer drive. The deer drive must be conducted with a Forestry Division representative on site. The fence will be closed the same day that the deer drive takes place.

m) WORK SCHEDULE

1. The contractor will notify the Forestry Division representative three days prior to the beginning of each fence. The contractor may work at times other than the schedule of the Forestry Division representative. The contractor may be present at the final inspection.

ATTACHMENT

Walk-through Type Gate



PA GAME COMMISSION TIMBER SALE BLOCK SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 1,2,3,4,5,6,7,8
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 220

Species	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW-POPLAR	WHITE PINE	Totals	
Form Class	80	82	83	83	81	82	81	83	78	81	79		
Block No.	Acres	<i>Board Foot Volume - Girard & Mesavage Scribner Rule</i>											
1	58	1,231	469	39,219	8,949	3,295	53,021	1,293	0	0	0	0	107,477
2	24	0	2,757	0	703	2,129	85,806	0	110	0	0	0	91,505
3	10	0	1,074	0	0	0	133,949	0	0	0	0	0	135,023
4	43	119	4,624	671	242	4,835	154,250	0	0	0	0	0	164,741
5	16	0	1,832	0	488	250	54,097	0	0	0	0	0	56,667
6	35	49,201	2,966	187,674	28,176	2,099	15,980	1,582	300	4,696	7,662	0	300,336
7	4	2,710	611	23,249	2,138	1,007	9,661	1,787	370	140	0	535	42,208
8	30	0	587	0	123	183	82,722	0	0	0	0	0	83,615
Totals	220	53,261	14,920	250,813	40,819	13,798	589,486	4,662	780	4,836	7,662	535	981,572
No. of Trees		404	177	1,029	420	178	2,991	30	5	46	31	4	5,315
AVG. Bd.ft./Tree		132	84	244	97	78	197	155	156	105	247	134	185
No. of Culls		0	0	0	0	0	0	0	0	0	0	0	0

<i>Pulpwood Volume</i>					
Block No.	Acres	Cords/Acre	Tons/Acre	Total Cords	Total Tons
1	58	6	14	357	822
2	24	5	11	114	262
3	10	1	3	12	28
4	43	5	12	227	521
5	16	4	10	68	157
6	35	19	44	669	1,539
7	4	14	31	55	126
8	30	3	6	77	177
				1,579	3,632

Comments:
 All volumes listed are estimates.

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NUMBER(S) 1,2,3,4,5,6,7,8
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 220

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	404	0	53,261	132	5.4	242
MISC HW	82	177	0	14,920	84	1.5	68
N. RED OAK	83	1,029	0	250,813	244	25.6	1,140
RED MAPLE	83	420	0	40,819	97	4.2	186
SUGAR MAPLE	81	178	0	13,798	78	1.4	63
WHITE ASH	82	2,991	0	589,486	197	60.1	2,679
WHITE OAK	81	30	0	4,662	155	0.5	21
BLACK CHERRY	83	5	0	780	156	0.1	4
HEMLOCK	78	46	0	4,836	105	0.5	22
YELLOW-POPLAR	81	31	0	7,662	247	0.8	35
WHITE PINE	79	4	0	535	134	0.1	2
TOTALS		5,315	0	981,572	185	100	4,462

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	12	0	77	0.1	0	0.0	0.0
CHESTNUT OAK	271	0	1,864	1.6	8	0.1	0.3
MISC HW	4,043	0	58,191	49.1	265	3.5	8.1
N. RED OAK	125	0	1,291	1.1	6	0.1	0.2
RED MAPLE	3,871	0	22,755	19.2	103	1.4	3.2
SUGAR MAPLE	1,861	0	13,334	11.3	61	0.8	1.9
WHITE ASH	1,773	0	19,356	16.3	88	1.2	2.7
WHITE OAK	62	0	255	0.2	1	0.0	0.0
HEMLOCK	150	0	1,273	1.1	6	0.1	0.2
WHITE PINE	8	0	55	0.0	0	0.0	0.0
TOTALS	12,175	0	118,450	100	538	7.2	16.5

Total trees less than or equal to 4" dbh to be cut: 0

Comments:

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 1,2,3,4,5,6,7,8
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 220

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	2	0	0	1	1	0	0	0	0	0	4
12"	84	43	115	190	91	460	8	2	7	3	2	1,005
14"	99	85	143	123	50	646	2	1	20	5	0	1,174
16"	88	30	209	63	19	651	8	0	10	10	0	1,088
18"	60	14	185	25	12	585	7	1	7	9	0	905
20"	40	1	170	15	5	329	3	1	1	1	2	568
22"	18	1	95	4	0	167	1	0	1	2	0	289
24"	10	0	72	0	0	110	1	0	0	1	0	194
26"	4	0	22	0	0	34	0	0	0	0	0	60
28"	0	0	12	0	0	4	0	0	0	0	0	16
30"	1	0	3	0	0	3	0	0	0	0	0	7
32"	0	1	3	0	0	1	0	0	0	0	0	5
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	404	177	1,029	420	178	2,991	30	5	46	31	4	5,315

Sawtimber Volume (bdf.)												
DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	56	0	0	20	32	0	0	0	0	0	108
12"	3,572	1,646	6,169	9,162	3,994	20,648	400	110	293	183	96	46,273
14"	7,787	6,339	14,764	11,162	3,993	60,652	200	107	1,491	600	0	107,095
16"	11,611	3,428	36,799	9,600	2,308	104,057	1,099	0	1,174	2,187	0	172,263
18"	10,181	2,611	43,514	5,151	2,398	137,493	1,528	193	1,326	2,682	0	207,077
20"	9,429	240	52,490	4,105	1,085	107,820	702	370	214	401	439	177,295
22"	5,147	347	38,304	1,639	0	71,842	288	0	338	998	0	118,903
24"	3,282	0	35,118	0	0	58,011	445	0	0	611	0	97,467
26"	1,849	0	11,850	0	0	22,611	0	0	0	0	0	36,310
28"	0	0	7,503	0	0	3,215	0	0	0	0	0	10,718
30"	403	0	1,996	0	0	2,426	0	0	0	0	0	4,825
32"	0	253	2,306	0	0	679	0	0	0	0	0	3,238
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	53,261	14,920	250,813	40,819	13,798	589,486	4,662	780	4,836	7,662	535	981,572

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	4	102	1,346	2	1,860	782	431	54	39	5	4,624	
8"	7	122	1,209	60	1,394	718	525	1	57	1	4,093	
10"	1	28	625	53	533	319	582	7	33	1	2,183	
12"	0	9	253	8	74	33	157	0	9	1	544	
14"	0	10	233	0	8	7	60	0	12	0	331	
16"	0	0	146	1	0	1	11	0	0	0	159	
18"	0	0	111	0	1	1	5	0	0	0	118	
20" +	0	0	122	0	1	0	3	0	0	0	126	
Total	12	271	4,045	125	3,871	1,861	1,774	62	150	8	0	12,178

Pulpwood Volume (cuft.)												
DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	13	268	4,433	6	5,464	2,419	1,195	165	116	15	14,094	
8"	50	808	8,553	426	8,548	5,607	3,648	6	339	7	27,993	
10"	14	327	8,295	658	6,869	4,292	8,052	84	351	13	28,954	
12"	0	169	5,385	158	1,509	700	3,444	0	152	20	11,538	
14"	0	292	6,772	0	242	216	1,953	0	314	0	9,788	
16"	0	0	6,219	42	0	43	503	0	0	0	6,807	
18"	0	0	6,870	0	53	58	310	0	0	0	7,290	
20" +	0	0	11,664	0	70	0	251	0	0	0	11,985	
Total	77	1,864	58,191	1,291	22,755	13,334	19,356	255	1,273	55	0	118,450

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 1
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 58

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	15	0	1,231	82	1.1	21
MISC HW	82	10	0	469	47	0.4	8
N. RED OAK	83	196	0	39,219	200	36.5	676
RED MAPLE	83	127	0	8,949	70	8.3	154
SUGAR MAPLE	81	59	0	3,295	56	3.1	57
WHITE ASH	82	346	0	53,021	153	49.3	914
WHITE OAK	81	8	0	1,293	162	1.2	22
BLACK CHERRY	83	0	0	0	0	0.0	0
HEMLOCK	78	0	0	0	0	0.0	0
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		761	0	107,477	141	100	1,852

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	7	0	38	0.1	1	0.0	0.0
CHESTNUT OAK	18	0	219	0.8	4	0.1	0.1
MISC HW	737	0	5,599	20.9	97	1.3	3.0
N. RED OAK	38	0	528	2.0	9	0.1	0.3
RED MAPLE	1,735	0	11,647	43.5	201	2.7	6.2
SUGAR MAPLE	720	0	5,142	19.2	89	1.2	2.7
WHITE ASH	433	0	3,535	13.2	61	0.8	1.9
WHITE OAK	8	0	81	0.3	1	0.0	0.0
HEMLOCK	0	0	0	0.0	0	0.0	0.0
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	3,696	0	26,789	100	463	6.2	14.2

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
 Thinning

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 1
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 58

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	1	0	0	0	0	0	0	0	0	0	1
12"	8	6	45	86	41	73	4	0	0	0	0	263
14"	3	3	33	29	16	102	0	0	0	0	0	186
16"	2	0	38	11	1	92	0	0	0	0	0	144
18"	1	0	37	1	1	46	3	0	0	0	0	89
20"	1	0	22	0	0	19	0	0	0	0	0	42
22"	0	0	13	0	0	9	0	0	0	0	0	22
24"	0	0	7	0	0	5	1	0	0	0	0	13
26"	0	0	1	0	0	0	0	0	0	0	0	1
28"	0	0	0	0	0	0	0	0	0	0	0	0
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	15	10	196	127	59	346	8	0	0	0	0	761
Sawtimber Volume (bdf.)												
10"	0	22	0	0	0	0	0	0	0	0	0	22
12"	426	208	2,574	4,105	1,726	3,460	200	0	0	0	0	12,699
14"	246	239	3,500	2,829	1,209	10,228	0	0	0	0	0	18,251
16"	202	0	6,973	1,873	176	15,670	0	0	0	0	0	24,894
18"	131	0	9,773	142	184	11,583	648	0	0	0	0	22,461
20"	226	0	7,708	0	0	6,180	0	0	0	0	0	14,114
22"	0	0	4,838	0	0	3,631	0	0	0	0	0	8,469
24"	0	0	3,285	0	0	2,269	445	0	0	0	0	5,999
26"	0	0	568	0	0	0	0	0	0	0	0	568
28"	0	0	0	0	0	0	0	0	0	0	0	0
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	1,231	469	39,219	8,949	3,295	53,021	1,293	0	0	0	0	107,477
Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	3	0	340	0	679	304	151	1	0	0	1,478	
8"	4	1	243	3	660	263	152	1	0	0	1,327	
10"	0	15	106	28	336	145	101	6	0	0	737	
12"	0	2	33	6	55	7	26	0	0	0	129	
14"	0	0	9	0	5	0	3	0	0	0	17	
16"	0	0	5	1	0	0	0	0	0	0	6	
18"	0	0	1	0	0	1	0	0	0	0	2	
20" +	0	0	0	0	0	0	0	0	0	0	0	
Total	7	18	737	38	1,735	720	433	8	0	0	3,696	
Pulpwood Volume (cuft.)												
6"	10	0	1,159	0	1,995	940	418	3	0	0	4,525	
8"	28	7	1,700	21	4,046	2,051	1,056	6	0	0	8,916	
10"	0	175	1,451	345	4,333	1,947	1,395	72	0	0	9,719	
12"	0	38	717	119	1,122	147	568	0	0	0	2,711	
14"	0	0	291	0	151	0	97	0	0	0	539	
16"	0	0	218	42	0	0	0	0	0	0	260	
18"	0	0	62	0	0	58	0	0	0	0	120	
20" +	0	0	0	0	0	0	0	0	0	0	0	
Total	38	219	5,599	528	11,647	5,142	3,535	81	0	0	26,789	

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 2
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 24

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	0	0	0	0	0.0	0
MISC HW	82	28	0	2,757	98	3.0	115
N. RED OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	9	0	703	78	0.8	29
SUGAR MAPLE	81	29	0	2,129	73	2.3	89
WHITE ASH	82	416	0	85,806	206	93.8	3,575
WHITE OAK	81	0	0	0	0	0.0	0
BLACK CHERRY	83	2	0	110	55	0.1	5
HEMLOCK	78	0	0	0	0	0.0	0
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		484	0	91,505	189	100	3,813

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	4	0	35	0.4	1	0.0	0.0
CHESTNUT OAK	0	0	0	0.0	0	0.0	0.0
MISC HW	453	0	3,625	42.4	151	2.0	4.6
N. RED OAK	0	0	0	0.0	0	0.0	0.0
RED MAPLE	111	0	718	8.4	30	0.4	0.9
SUGAR MAPLE	307	0	2,206	25.8	92	1.2	2.8
WHITE ASH	165	0	1,975	23.1	82	1.1	2.5
WHITE OAK	0	0	0	0.0	0	0.0	0.0
HEMLOCK	0	0	0	0.0	0	0.0	0.0
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	1,040	0	8,560	100	356	4.8	10.9

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
Shelterwood

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 2
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 24

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW-POPLAR	WHITE PINE	Total
10"	0	1	0	0	0	1	0	0	0	0	0	2
12"	0	4	0	5	17	67	0	2	0	0	0	95
14"	0	13	0	3	8	85	0	0	0	0	0	109
16"	0	7	0	1	2	98	0	0	0	0	0	108
18"	0	3	0	0	2	85	0	0	0	0	0	90
20"	0	0	0	0	0	36	0	0	0	0	0	36
22"	0	0	0	0	0	20	0	0	0	0	0	20
24"	0	0	0	0	0	17	0	0	0	0	0	17
26"	0	0	0	0	0	6	0	0	0	0	0	6
28"	0	0	0	0	0	0	0	0	0	0	0	0
30"	0	0	0	0	0	1	0	0	0	0	0	1
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	28	0	9	29	416	0	2	0	0	0	484

Sawtimber Volume (bdf.)												
10"	0	34	0	0	0	32	0	0	0	0	0	66
12"	0	147	0	233	851	3,376	0	110	0	0	0	4,717
14"	0	1,150	0	283	671	8,876	0	0	0	0	0	10,980
16"	0	791	0	187	240	16,477	0	0	0	0	0	17,695
18"	0	635	0	0	367	21,182	0	0	0	0	0	22,184
20"	0	0	0	0	0	12,198	0	0	0	0	0	12,198
22"	0	0	0	0	0	9,361	0	0	0	0	0	9,361
24"	0	0	0	0	0	9,028	0	0	0	0	0	9,028
26"	0	0	0	0	0	4,516	0	0	0	0	0	4,516
28"	0	0	0	0	0	0	0	0	0	0	0	0
30"	0	0	0	0	0	760	0	0	0	0	0	760
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	2,757	0	703	2,129	85,806	0	110	0	0	0	91,505

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE		Total
6"	0	0	231	0	53	138	25	0	0	0		447
8"	3	0	102	0	40	105	51	0	0	0		301
10"	1	0	79	0	11	52	67	0	0	0		210
12"	0	0	27	0	6	11	11	0	0	0		55
14"	0	0	13	0	0	1	10	0	0	0		24
16"	0	0	1	0	0	0	0	0	0	0		1
18"	0	0	0	0	1	0	1	0	0	0		2
20" +	0	0	0	0	0	0	0	0	0	0		0
Total	4	0	453	0	111	307	165	0	0	0	0	1,040

Pulpwood Volume (cuft.)												
6"	0	0	792	0	156	426	69	0	0	0		1,444
8"	21	0	714	0	245	819	354	0	0	0		2,154
10"	14	0	1,069	0	142	698	925	0	0	0		2,849
12"	0	0	588	0	122	231	240	0	0	0		1,182
14"	0	0	421	0	0	31	324	0	0	0		775
16"	0	0	42	0	0	0	0	0	0	0		42
18"	0	0	0	0	53	0	62	0	0	0		114
20" +	0	0	0	0	0	0	0	0	0	0		0
Total	35	0	3,625	0	718	2,206	1,975	0	0	0	0	8,560

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Woodstove
 BLOCK NO. 3
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 10

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	0	0	0	0	0.0	0
MISC HW	82	7	0	1,074	153	0.8	107
N. RED OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	0	0	0	0	0.0	0
SUGAR MAPLE	81	0	0	0	0	0.0	0
WHITE ASH	82	392	0	133,949	342	99.2	13,395
WHITE OAK	81	0	0	0	0	0.0	0
BLACK CHERRY	83	0	0	0	0	0.0	0
HEMLOCK	78	0	0	0	0	0.0	0
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		399	0	135,023	338	100	13,502

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	0	0	0	0.0	0	0.0	0.0
CHESTNUT OAK	0	0	0	0.0	0	0.0	0.0
MISC HW	15	0	242	26.7	24	0.3	0.7
N. RED OAK	0	0	0	0.0	0	0.0	0.0
RED MAPLE	0	0	0	0.0	0	0.0	0.0
SUGAR MAPLE	20	0	193	21.3	19	0.3	0.6
WHITE ASH	28	0	455	50.1	46	0.6	1.4
WHITE OAK	0	0	0	0.0	0	0.0	0.0
HEMLOCK	3	0	17	1.9	2	0.0	0.1
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	66	0	908	100	91	1.2	2.8

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
 Shelterwood

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME Woodstove
 BLOCK NO. 3
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 10

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	0	0	0	0	28	0	0	0	0	0	28
14"	0	2	0	0	0	43	0	0	0	0	0	45
16"	0	2	0	0	0	63	0	0	0	0	0	65
18"	0	2	0	0	0	84	0	0	0	0	0	86
20"	0	1	0	0	0	66	0	0	0	0	0	67
22"	0	0	0	0	0	56	0	0	0	0	0	56
24"	0	0	0	0	0	34	0	0	0	0	0	34
26"	0	0	0	0	0	16	0	0	0	0	0	16
28"	0	0	0	0	0	2	0	0	0	0	0	2
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	7	0	0	0	392	0	0	0	0	0	399

Sawtimber Volume (bdf.)												
DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	0	0	0	0	1,372	0	0	0	0	0	1,372
14"	0	168	0	0	0	4,742	0	0	0	0	0	4,910
16"	0	286	0	0	0	12,692	0	0	0	0	0	12,978
18"	0	380	0	0	0	25,094	0	0	0	0	0	25,474
20"	0	240	0	0	0	27,083	0	0	0	0	0	27,323
22"	0	0	0	0	0	28,778	0	0	0	0	0	28,778
24"	0	0	0	0	0	21,373	0	0	0	0	0	21,373
26"	0	0	0	0	0	11,035	0	0	0	0	0	11,035
28"	0	0	0	0	0	1,780	0	0	0	0	0	1,780
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1,074	0	0	0	133,949	0	0	0	0	0	135,023

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	0	0	1	0	0	5	4	0	1	0	11	
8"	0	0	4	0	0	11	4	0	2	0	21	
10"	0	0	5	0	0	2	12	0	0	0	19	
12"	0	0	3	0	0	2	6	0	0	0	11	
14"	0	0	2	0	0	0	2	0	0	0	4	
16"	0	0	0	0	0	0	0	0	0	0	0	
18"	0	0	0	0	0	0	0	0	0	0	0	
20" +	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	15	0	0	20	28	0	3	0	66	

Pulpwood Volume (cuft.)												
DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	0	0	4	0	0	18	13	0	3	0	37	
8"	0	0	30	0	0	97	32	0	14	0	172	
10"	0	0	73	0	0	31	188	0	0	0	291	
12"	0	0	74	0	0	48	149	0	0	0	270	
14"	0	0	63	0	0	0	74	0	0	0	136	
16"	0	0	0	0	0	0	0	0	0	0	0	
18"	0	0	0	0	0	0	0	0	0	0	0	
20" +	0	0	0	0	0	0	0	0	0	0	0	
Total	0	0	242	0	0	193	455	0	17	0	908	

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 4
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 43

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	2	0	119	60	0.1	3
MISC HW	82	49	0	4,624	94	2.8	108
N. RED OAK	83	7	0	671	96	0.4	16
RED MAPLE	83	2	0	242	121	0.1	6
SUGAR MAPLE	81	48	0	4,835	101	2.9	112
WHITE ASH	82	902	0	154,250	171	93.6	3,587
WHITE OAK	81	0	0	0	0	0.0	0
BLACK CHERRY	83	0	0	0	0	0.0	0
HEMLOCK	78	0	0	0	0	0.0	0
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		1,010	0	164,741	163	100	3,832

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	0	0	0	0.0	0	0.0	0.0
CHESTNUT OAK	8	0	105	0.6	2	0.0	0.1
MISC HW	491	0	5,144	30.3	120	1.6	3.7
N. RED OAK	1	0	3	0.0	0	0.0	0.0
RED MAPLE	119	0	936	5.5	22	0.3	0.7
SUGAR MAPLE	456	0	3,147	18.5	73	1.0	2.2
WHITE ASH	523	0	7,186	42.3	167	2.2	5.1
WHITE OAK	0	0	0	0.0	0	0.0	0.0
HEMLOCK	76	0	475	2.8	11	0.1	0.3
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	1,674	0	16,995	100	395	5.3	12.1

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
 Group Tree Selection

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 4
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 43

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	1	0	0	0	0	0	0	1
12"	0	9	4	1	17	145	0	0	0	0	0	176
14"	2	26	1	0	13	225	0	0	0	0	0	267
16"	0	8	1	1	8	164	0	0	0	0	0	182
18"	0	5	1	0	6	182	0	0	0	0	0	194
20"	0	0	0	0	3	101	0	0	0	0	0	104
22"	0	1	0	0	0	48	0	0	0	0	0	49
24"	0	0	0	0	0	30	0	0	0	0	0	30
26"	0	0	0	0	0	6	0	0	0	0	0	6
28"	0	0	0	0	0	0	0	0	0	0	0	0
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	1	0	0	0	0	0	1
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	2	49	7	2	48	902	0	0	0	0	0	1,010

Sawtimber Volume (bdf.)												
10"	0	0	0	0	20	0	0	0	0	0	0	20
12"	0	357	157	55	715	6,072	0	0	0	0	0	7,356
14"	119	1,938	134	0	1,121	19,038	0	0	0	0	0	22,350
16"	0	950	187	187	1,090	24,200	0	0	0	0	0	26,614
18"	0	1,032	193	0	1,199	39,117	0	0	0	0	0	41,541
20"	0	0	0	0	690	29,976	0	0	0	0	0	30,666
22"	0	347	0	0	0	17,064	0	0	0	0	0	17,411
24"	0	0	0	0	0	14,761	0	0	0	0	0	14,761
26"	0	0	0	0	0	3,343	0	0	0	0	0	3,343
28"	0	0	0	0	0	0	0	0	0	0	0	0
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	679	0	0	0	0	0	679
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	119	4,624	671	242	4,835	154,250	0	0	0	0	0	164,741

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	0	0	166	1	50	215	84	0	37	0	553	
8"	0	2	132	0	34	165	123	0	22	0	478	
10"	0	3	112	0	27	61	200	0	11	0	414	
12"	0	3	47	0	5	10	69	0	4	0	138	
14"	0	0	25	0	2	4	34	0	2	0	67	
16"	0	0	7	0	0	1	8	0	0	0	16	
18"	0	0	3	0	0	0	3	0	0	0	6	
20" +	0	0	0	0	1	0	2	0	0	0	3	
Total	0	8	492	1	119	456	523	0	76	0	1,675	

Pulpwood Volume (cuft.)												
6"	0	0	539	3	147	664	233	0	110	0	1,696	
8"	0	13	892	0	208	1,287	854	0	131	0	3,386	
10"	0	35	1,498	0	348	819	2,762	0	116	0	5,579	
12"	0	56	994	0	102	210	1,508	0	68	0	2,938	
14"	0	0	767	0	60	123	1,102	0	51	0	2,104	
16"	0	0	288	0	0	43	366	0	0	0	697	
18"	0	0	164	0	0	0	186	0	0	0	350	
20" +	0	0	0	0	70	0	175	0	0	0	245	
Total	0	105	5,144	3	936	3,147	7,186	0	475	0	16,995	

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 5
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 16

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	0	0	0	0	0.0	0
MISC HW	82	25	0	1,832	73	3.2	115
N. RED OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	5	0	488	98	0.9	31
SUGAR MAPLE	81	3	0	250	83	0.4	16
WHITE ASH	82	243	0	54,097	223	95.5	3,381
WHITE OAK	81	0	0	0	0	0.0	0
BLACK CHERRY	83	0	0	0	0	0.0	0
HEMLOCK	78	0	0	0	0	0.0	0
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		276	0	56,667	205	100	3,543

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	0	0	0	0.0	0	0.0	0.0
CHESTNUT OAK	0	0	0	0.0	0	0.0	0.0
MISC HW	339	0	3,426	66.9	214	2.9	6.6
N. RED OAK	2	0	15	0.3	1	0.0	0.0
RED MAPLE	59	0	404	7.9	25	0.3	0.8
SUGAR MAPLE	111	0	633	12.3	40	0.5	1.2
WHITE ASH	49	0	647	12.6	40	0.5	1.2
WHITE OAK	0	0	0	0.0	0	0.0	0.0
HEMLOCK	0	0	0	0.0	0	0.0	0.0
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	560	0	5,125	100	320	4.3	9.8

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
 Shelterwood

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 5
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 16

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	5	0	1	0	25	0	0	0	0	0	31
14"	0	14	0	3	3	35	0	0	0	0	0	55
16"	0	5	0	1	0	59	0	0	0	0	0	65
18"	0	1	0	0	0	59	0	0	0	0	0	60
20"	0	0	0	0	0	31	0	0	0	0	0	31
22"	0	0	0	0	0	18	0	0	0	0	0	18
24"	0	0	0	0	0	11	0	0	0	0	0	11
26"	0	0	0	0	0	2	0	0	0	0	0	2
28"	0	0	0	0	0	1	0	0	0	0	0	1
30"	0	0	0	0	0	2	0	0	0	0	0	2
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	25	0	5	3	243	0	0	0	0	0	276

Sawtimber Volume (bdf.)												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	202	0	34	0	1,140	0	0	0	0	0	1,376
14"	0	884	0	267	250	3,468	0	0	0	0	0	4,869
16"	0	556	0	187	0	8,850	0	0	0	0	0	9,593
18"	0	190	0	0	0	14,248	0	0	0	0	0	14,438
20"	0	0	0	0	0	10,289	0	0	0	0	0	10,289
22"	0	0	0	0	0	7,050	0	0	0	0	0	7,050
24"	0	0	0	0	0	5,299	0	0	0	0	0	5,299
26"	0	0	0	0	0	1,307	0	0	0	0	0	1,307
28"	0	0	0	0	0	780	0	0	0	0	0	780
30"	0	0	0	0	0	1,666	0	0	0	0	0	1,666
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	1,832	0	488	250	54,097	0	0	0	0	0	56,667

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE		Total
6"	0	0	149	1	23	71	5	0	0	0		249
8"	0	0	82	0	20	22	13	0	0	0		137
10"	0	0	56	1	15	18	22	0	0	0		112
12"	0	0	27	0	1	0	5	0	0	0		33
14"	0	0	15	0	0	0	4	0	0	0		19
16"	0	0	5	0	0	0	0	0	0	0		5
18"	0	0	3	0	0	0	0	0	0	0		3
20" +	0	0	2	0	0	0	0	0	0	0		2
Total	0	0	339	2	59	111	49	0	0	0	0	560

Pulpwood Volume (cuft.)												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE		Total
6"	0	0	512	3	68	219	14	0	0	0		815
8"	0	0	574	0	123	172	90	0	0	0		959
10"	0	0	766	12	193	242	304	0	0	0		1,517
12"	0	0	584	0	20	0	109	0	0	0		714
14"	0	0	470	0	0	0	130	0	0	0		600
16"	0	0	209	0	0	0	0	0	0	0		209
18"	0	0	171	0	0	0	0	0	0	0		171
20" +	0	0	140	0	0	0	0	0	0	0		140
Total	0	0	3,426	15	404	633	647	0	0	0	0	5,125

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 6
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 35

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	360	0	49,201	137	16.4	1,406
MISC HW	82	40	0	2,966	74	1.0	85
N. RED OAK	83	729	0	187,674	257	62.5	5,362
RED MAPLE	83	248	0	28,176	114	9.4	805
SUGAR MAPLE	81	21	0	2,099	100	0.7	60
WHITE ASH	82	101	0	15,980	158	5.3	457
WHITE OAK	81	12	0	1,582	132	0.5	45
BLACK CHERRY	83	2	0	300	150	0.1	9
HEMLOCK	78	43	0	4,696	109	1.6	134
YELLOW-POPLAR	81	31	0	7,662	247	2.6	219
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		1,587	0	300,336	189	100	8,582

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	0	0	0	0.0	0	0.0	0.0
CHESTNUT OAK	226	0	1,293	2.6	37	0.5	1.1
MISC HW	1,625	0	36,644	73.0	1,047	14.0	32.1
N. RED OAK	76	0	631	1.3	18	0.2	0.6
RED MAPLE	1,604	0	7,363	14.7	210	2.8	6.5
SUGAR MAPLE	133	0	1,140	2.3	33	0.4	1.0
WHITE ASH	303	0	2,370	4.7	68	0.9	2.1
WHITE OAK	51	0	156	0.3	4	0.1	0.1
HEMLOCK	56	0	602	1.2	17	0.2	0.5
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	4,073	0	50,198	100	1,434	19.1	44.0

Total trees less than or equal to 4" dbh to be cut: 0

Comments:

Clear Cut w/ Residuals

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 6
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 35

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	72	13	60	83	7	24	3	0	6	3	0	271
14"	83	19	95	78	6	30	0	1	18	5	0	335
16"	79	5	152	46	4	24	6	0	10	10	0	336
18"	55	2	134	24	2	12	2	1	7	9	0	248
20"	38	0	128	14	2	7	1	0	1	1	0	192
22"	18	0	67	3	0	3	0	0	1	2	0	94
24"	10	0	60	0	0	0	0	0	0	1	0	71
26"	4	0	18	0	0	1	0	0	0	0	0	23
28"	0	0	10	0	0	0	0	0	0	0	0	10
30"	1	0	2	0	0	0	0	0	0	0	0	3
32"	0	1	3	0	0	0	0	0	0	0	0	4
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	360	40	729	248	21	101	12	2	43	31	0	1,587

Sawtimber Volume (bdf.)												
DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	2,984	524	3,074	4,112	300	1,232	149	0	264	183	0	12,822
14"	6,474	1,386	9,744	7,080	500	2,934	0	107	1,380	600	0	30,205
16"	10,707	503	26,757	6,803	440	4,201	783	0	1,174	2,187	0	53,555
18"	9,439	300	30,996	5,009	464	3,135	416	193	1,326	2,682	0	53,960
20"	8,916	0	39,761	3,925	395	2,671	234	0	214	401	0	56,517
22"	5,147	0	28,057	1,247	0	1,256	0	0	338	998	0	37,043
24"	3,282	0	29,774	0	0	0	0	0	0	611	0	33,667
26"	1,849	0	9,950	0	0	551	0	0	0	0	0	12,350
28"	0	0	6,039	0	0	0	0	0	0	0	0	6,039
30"	403	0	1,216	0	0	0	0	0	0	0	0	1,619
32"	0	253	2,306	0	0	0	0	0	0	0	0	2,559
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	49,201	2,966	187,674	28,176	2,099	15,980	1,582	300	4,696	7,662	0	300,336

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	0	102	306	0	968	0	102	51	0	0	1,528	
8"	0	115	544	57	544	115	115	0	29	0	1,518	
10"	0	0	183	18	92	18	73	0	18	0	403	
12"	0	0	89	0	0	0	13	0	0	0	102	
14"	0	9	159	0	0	0	0	0	9	0	178	
16"	0	0	122	0	0	0	0	0	0	0	122	
18"	0	0	102	0	0	0	0	0	0	0	102	
20" +	0	0	120	0	0	0	0	0	0	0	120	
Total	0	226	1,625	76	1,604	133	303	51	56	0	4,073	

Pulpwood Volume (cuft.)												
DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	0	268	945	0	2,843	0	282	156	0	0	4,494	
8"	0	761	3,932	405	3,337	894	796	0	171	0	10,296	
10"	0	0	2,361	226	1,182	246	1,013	0	193	0	5,221	
12"	0	0	1,866	0	0	0	278	0	0	0	2,144	
14"	0	264	4,461	0	0	0	0	0	238	0	4,963	
16"	0	0	5,207	0	0	0	0	0	0	0	5,207	
18"	0	0	6,348	0	0	0	0	0	0	0	6,348	
20" +	0	0	11,524	0	0	0	0	0	0	0	11,524	
Total	0	1,293	36,644	631	7,363	1,140	2,370	156	602	0	50,198	

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 7
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 4

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	27	0	2,710	100	6.4	678
MISC HW	82	8	0	611	76	1.4	153
N. RED OAK	83	97	0	23,249	240	55.1	5,812
RED MAPLE	83	26	0	2,138	82	5.1	535
SUGAR MAPLE	81	15	0	1,007	67	2.4	252
WHITE ASH	82	85	0	9,661	114	22.9	2,415
WHITE OAK	81	10	0	1,787	179	4.2	447
BLACK CHERRY	83	1	0	370	370	0.9	93
HEMLOCK	78	3	0	140	47	0.3	35
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	4	0	535	134	1.3	134
TOTALS		276	0	42,208	153	100	10,554

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	1	0	3	0.1	1	0.0	0.0
CHESTNUT OAK	19	0	247	6.0	62	0.8	1.9
MISC HW	101	0	1,215	29.6	304	4.0	9.3
N. RED OAK	8	0	114	2.8	28	0.4	0.9
RED MAPLE	151	0	1,161	28.3	290	3.9	8.9
SUGAR MAPLE	36	0	340	8.3	85	1.1	2.6
WHITE ASH	82	0	771	18.8	193	2.6	5.9
WHITE OAK	3	0	18	0.4	5	0.1	0.1
HEMLOCK	15	0	179	4.4	45	0.6	1.4
WHITE PINE	8	0	55	1.3	14	0.2	0.4
TOTALS	424	0	4,103	100	1,027	13.7	31.5

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 7
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 4

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	4	2	6	11	7	22	1	0	1	0	2	56
14"	11	3	14	10	4	25	2	0	2	0	0	71
16"	7	2	18	3	3	25	2	0	0	0	0	60
18"	4	1	13	0	1	10	2	0	0	0	0	31
20"	1	0	20	1	0	2	2	1	0	0	2	29
22"	0	0	15	1	0	1	1	0	0	0	0	18
24"	0	0	5	0	0	0	0	0	0	0	0	5
26"	0	0	3	0	0	0	0	0	0	0	0	3
28"	0	0	2	0	0	0	0	0	0	0	0	2
30"	0	0	1	0	0	0	0	0	0	0	0	1
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	27	8	97	26	15	85	10	1	3	0	4	276

Sawtimber Volume (bdf.)												
DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	162	60	364	500	319	964	51	0	29	0	96	2,545
14"	948	241	1,386	703	242	2,202	200	0	111	0	0	6,033
16"	702	236	2,882	363	262	3,477	316	0	0	0	0	8,238
18"	611	74	2,552	0	184	1,788	464	0	0	0	0	5,673
20"	287	0	5,021	180	0	716	468	370	0	0	439	7,481
22"	0	0	5,409	392	0	514	288	0	0	0	0	6,603
24"	0	0	2,059	0	0	0	0	0	0	0	0	2,059
26"	0	0	1,332	0	0	0	0	0	0	0	0	1,332
28"	0	0	1,464	0	0	0	0	0	0	0	0	1,464
30"	0	0	780	0	0	0	0	0	0	0	0	780
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	2,710	611	23,249	2,138	1,007	9,661	1,787	370	140	0	535	42,208

Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	1	0	32	0	54	11	26	2	1	5	132	
8"	0	4	23	0	46	11	19	0	4	1	108	
10"	0	10	27	6	44	11	30	1	4	1	134	
12"	0	4	9	2	6	2	7	0	5	1	36	
14"	0	1	2	0	1	1	0	0	1	0	6	
16"	0	0	6	0	0	0	0	0	0	0	6	
18"	0	0	2	0	0	0	0	0	0	0	2	
20" +	0	0	0	0	0	0	0	0	0	0	0	
Total	1	19	101	8	151	36	82	3	15	8	424	

Pulpwood Volume (cuft.)												
DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE	Total	
6"	3	0	100	0	159	34	72	6	3	15	392	
8"	0	27	149	0	282	86	132	0	24	7	707	
10"	0	117	341	74	567	148	414	12	42	13	1,728	
12"	0	75	185	40	122	42	153	0	85	20	722	
14"	0	28	60	0	30	31	0	0	25	0	175	
16"	0	0	255	0	0	0	0	0	0	0	255	
18"	0	0	125	0	0	0	0	0	0	0	125	
20" +	0	0	0	0	0	0	0	0	0	0	0	
Total	3	247	1,215	114	1,161	340	771	18	179	55	4,103	

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME WOODSTOVE
 BLOCK NO. 8
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 30

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

SPECIES	FORM CLASS	NO. OF TREES		BD.FT.VOL.	VOL.BD.FT. PER TREE	% BY VOLUME	VOLUME BY ACRE
		MERCH.	CULLS				
CHESTNUT OAK	80	0	0	0	0	0.0	0
MISC HW	82	10	0	587	59	0.7	20
N. RED OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	3	0	123	41	0.1	4
SUGAR MAPLE	81	3	0	183	61	0.2	6
WHITE ASH	82	506	0	82,722	163	98.9	2,757
WHITE OAK	81	0	0	0	0	0.0	0
BLACK CHERRY	83	0	0	0	0	0.0	0
HEMLOCK	78	0	0	0	0	0.0	0
YELLOW-POPLAR	81	0	0	0	0	0.0	0
WHITE PINE	79	0	0	0	0	0.0	0
TOTALS		522	0	83,615	160	100	2,787

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BLACK CHERRY	0	0	0	0.0	0	0.0	0.0
CHESTNUT OAK	0	0	0	0.0	0	0.0	0.0
MISC HW	282	1	2,296	39.8	77	1.0	2.3
N. RED OAK	0	0	0	0.0	0	0.0	0.0
RED MAPLE	92	0	527	9.1	18	0.2	0.5
SUGAR MAPLE	78	0	533	9.2	18	0.2	0.5
WHITE ASH	190	1	2,417	41.9	81	1.1	2.5
WHITE OAK	0	0	0	0.0	0	0.0	0.0
HEMLOCK	0	0	0	0.0	0	0.0	0.0
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	642	2	5,773	100	194	2.6	5.9

Total trees less than or equal to 4" dbh to be cut: 0

Comments:
Shelterwood

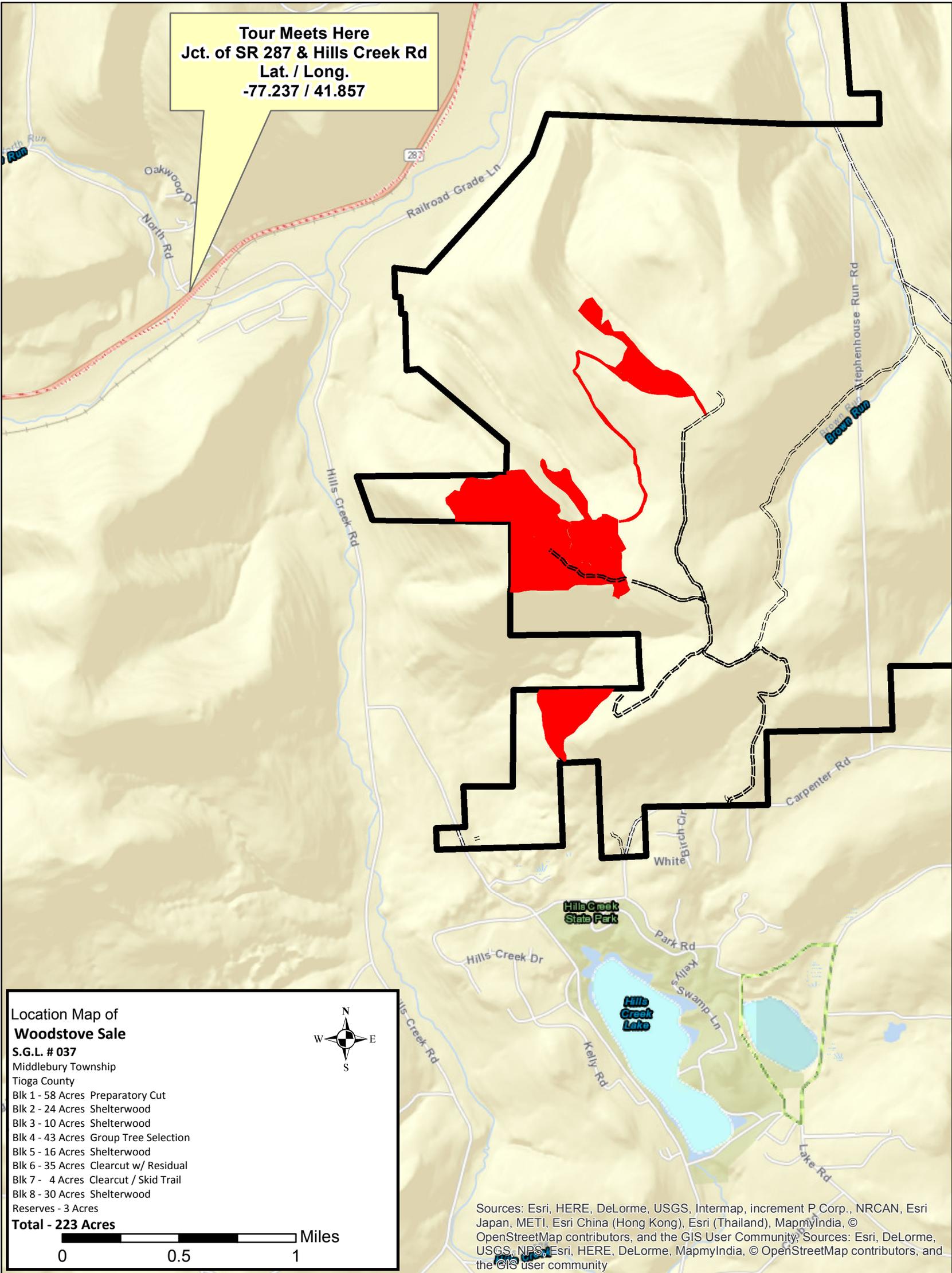
PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME WOODSTOVE
 BLOCK NO. 8
 COUNTY Tioga
 TOWNSHIP Middlebury

SGL NO. 37
 FORESTER CHRIS WOOD
 DATE 7/7/2016
 ACRES 30

Sawtimber Trees												
SPECIES DBH	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	BLACK CHERRY	HEMLOCK	YELLOW- POPLAR	WHITE PINE	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	4	0	3	2	76	0	0	0	0	0	85
14"	0	5	0	0	0	101	0	0	0	0	0	106
16"	0	1	0	0	1	126	0	0	0	0	0	128
18"	0	0	0	0	0	107	0	0	0	0	0	107
20"	0	0	0	0	0	67	0	0	0	0	0	67
22"	0	0	0	0	0	12	0	0	0	0	0	12
24"	0	0	0	0	0	13	0	0	0	0	0	13
26"	0	0	0	0	0	3	0	0	0	0	0	3
28"	0	0	0	0	0	1	0	0	0	0	0	1
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	10	0	3	3	506	0	0	0	0	0	522
Sawtimber Volume (bdf.)												
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	148	0	123	83	3,032	0	0	0	0	0	3,386
14"	0	333	0	0	0	9,164	0	0	0	0	0	9,497
16"	0	106	0	0	100	18,490	0	0	0	0	0	18,696
18"	0	0	0	0	0	21,346	0	0	0	0	0	21,346
20"	0	0	0	0	0	18,707	0	0	0	0	0	18,707
22"	0	0	0	0	0	4,188	0	0	0	0	0	4,188
24"	0	0	0	0	0	5,281	0	0	0	0	0	5,281
26"	0	0	0	0	0	1,859	0	0	0	0	0	1,859
28"	0	0	0	0	0	655	0	0	0	0	0	655
30"	0	0	0	0	0	0	0	0	0	0	0	0
32"	0	0	0	0	0	0	0	0	0	0	0	0
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	0	0	0	0
38"	0	0	0	0	0	0	0	0	0	0	0	0
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	587	0	123	183	82,722	0	0	0	0	0	83,615
Pulpwood Trees												
SPECIES DBH	BLACK CHERRY	CHESTNUT OAK	MISC HW	N. RED OAK	RED MAPLE	SUGAR MAPLE	WHITE ASH	WHITE OAK	HEMLOCK	WHITE PINE		Total
6"	0	0	121	0	33	38	34	0	0	0		226
8"	0	0	79	0	50	26	48	0	0	0		203
10"	0	0	57	0	8	12	77	0	0	0		154
12"	0	0	18	0	1	1	20	0	0	0		40
14"	0	0	8	0	0	1	7	0	0	0		16
16"	0	0	0	0	0	0	3	0	0	0		3
18"	0	0	0	0	0	0	1	0	0	0		1
20" +	0	0	0	0	0	0	1	0	0	0		1
Total	0	0	283	0	92	78	191	0	0	0	0	644
Pulpwood Volume (cuft.)												
6"	0	0	382	0	97	117	94	0	0	0		691
8"	0	0	561	0	307	203	333	0	0	0		1,403
10"	0	0	737	0	103	161	1,050	0	0	0		2,051
12"	0	0	377	0	20	21	437	0	0	0		856
14"	0	0	239	0	0	31	227	0	0	0		497
16"	0	0	0	0	0	0	137	0	0	0		137
18"	0	0	0	0	0	0	62	0	0	0		62
20" +	0	0	0	0	0	0	76	0	0	0		76
Total	0	0	2,296	0	527	533	2,417	0	0	0	0	5,773

Tour Meets Here
Jct. of SR 287 & Hills Creek Rd
Lat. / Long.
-77.237 / 41.857



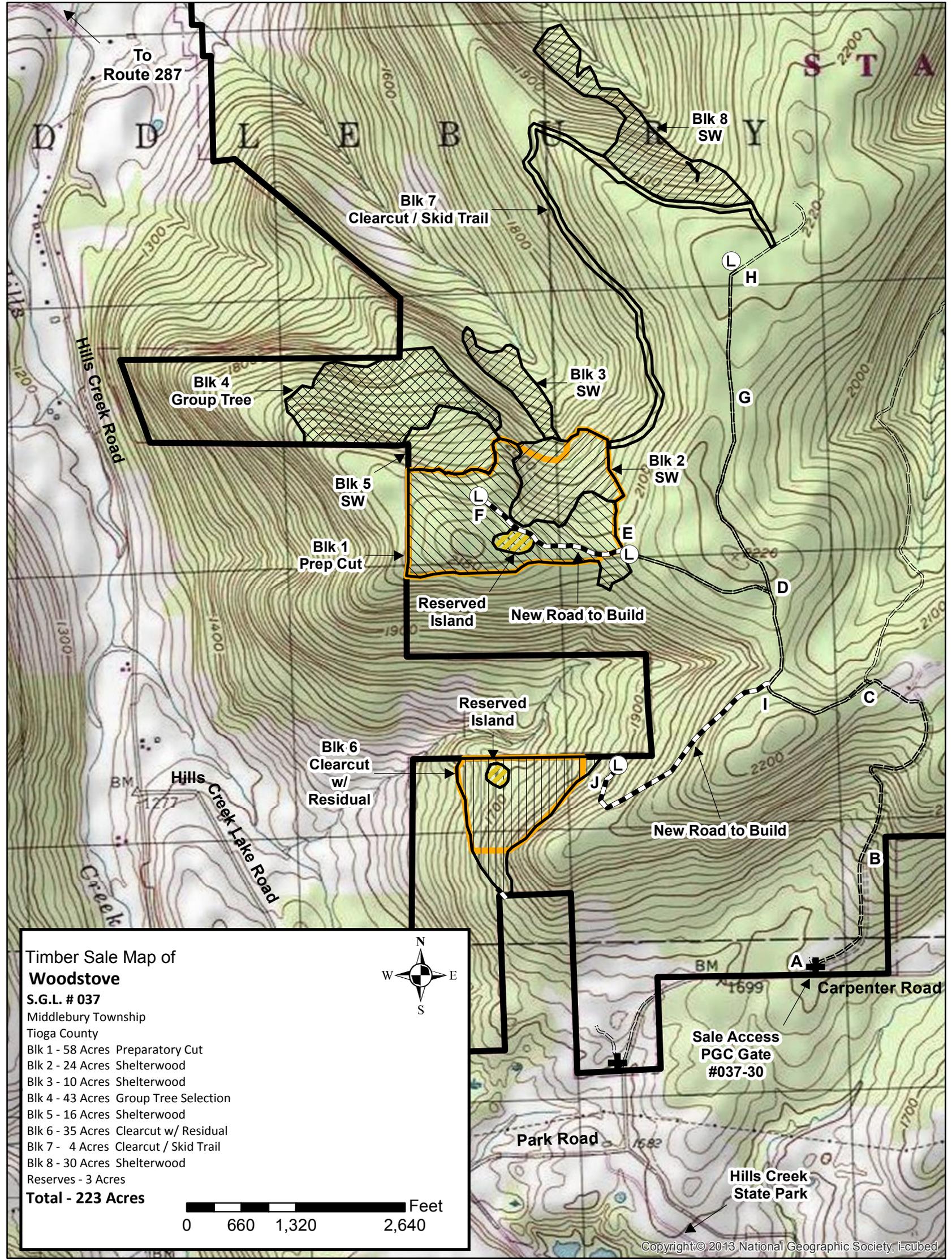
**Location Map of
Woodstove Sale**

- S.G.L. # 037**
Middlebury Township
Tioga County
Blk 1 - 58 Acres Preparatory Cut
Blk 2 - 24 Acres Shelterwood
Blk 3 - 10 Acres Shelterwood
Blk 4 - 43 Acres Group Tree Selection
Blk 5 - 16 Acres Shelterwood
Blk 6 - 35 Acres Clearcut w/ Residual
Blk 7 - 4 Acres Clearcut / Skid Trail
Blk 8 - 30 Acres Shelterwood
Reserves - 3 Acres

Total - 223 Acres



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community; Sources: Esri, DeLorme, USGS, NPS, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community



**Timber Sale Map of
Woodstove**

S.G.L. # 037

Middlebury Township

Tioga County

Blk 1 - 58 Acres Preparatory Cut

Blk 2 - 24 Acres Shelterwood

Blk 3 - 10 Acres Shelterwood

Blk 4 - 43 Acres Group Tree Selection

Blk 5 - 16 Acres Shelterwood

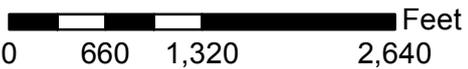
Blk 6 - 35 Acres Clearcut w/ Residual

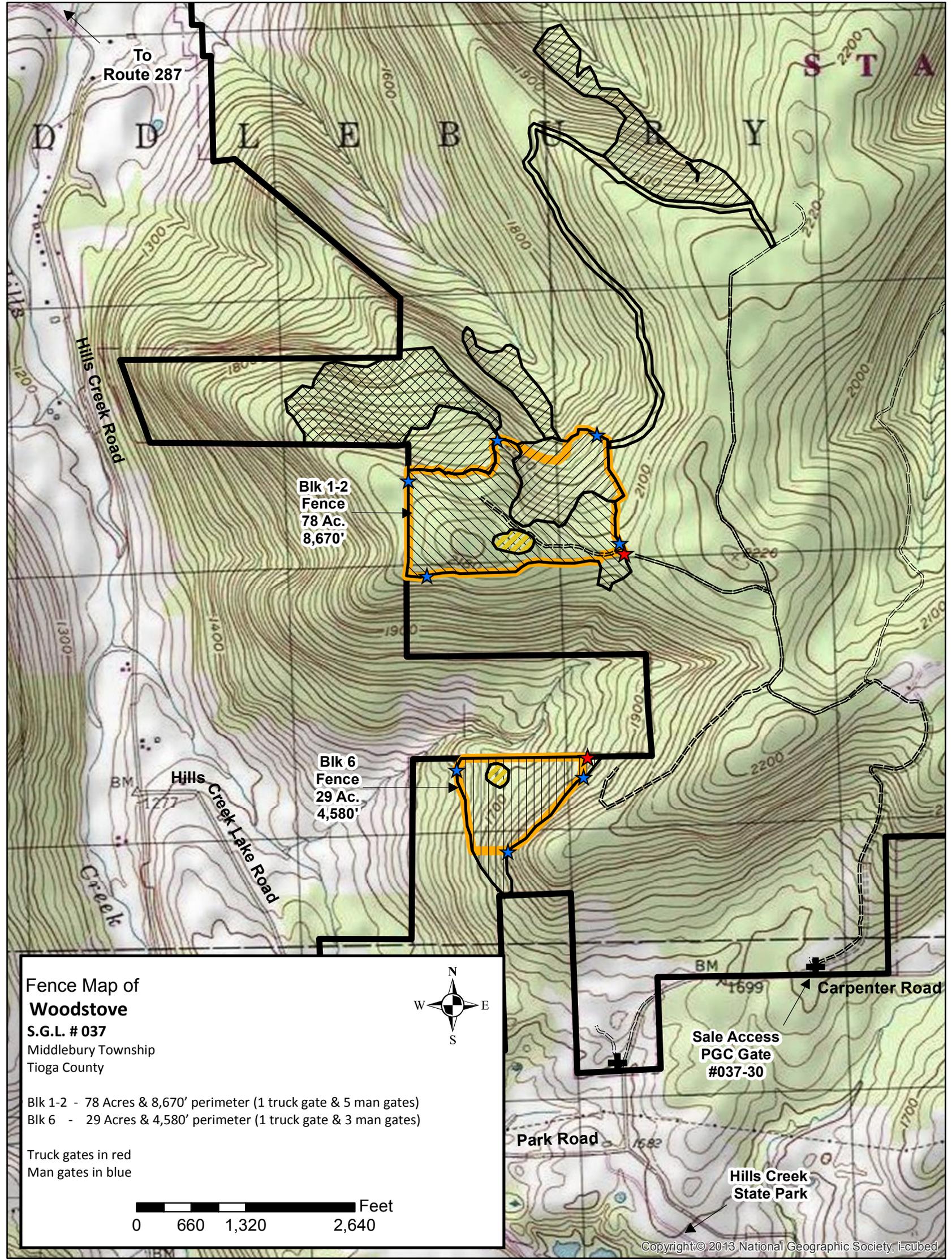
Blk 7 - 4 Acres Clearcut / Skid Trail

Blk 8 - 30 Acres Shelterwood

Reserves - 3 Acres

Total - 223 Acres





Blk 1-2
Fence
78 Ac.
8,670'

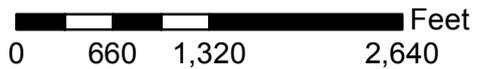
Blk 6
Fence
29 Ac.
4,580'

Fence Map of
Woodstove
S.G.L. # 037
 Middlebury Township
 Tioga County



Blk 1-2 - 78 Acres & 8,670' perimeter (1 truck gate & 5 man gates)
 Blk 6 - 29 Acres & 4,580' perimeter (1 truck gate & 3 man gates)

Truck gates in red
 Man gates in blue



Sale Access
PGC Gate
#037-30

Hills Creek
State Park