

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 541,600 board feet of sawlogs and 2,132 tons of pulpwood located on 200 acres of State Game Lands No. 108, Chest Township, Cambria 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. Payment for Block 4 (11% of the bid price) is due at contract execution.

It is further understood that an acceptable bond of **\$20,000.00** 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 30, 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 #108**. Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, PA 17110-9797, at **2:00 P.M., Monday August 29, 2016**. The Commission reserves the right to reject any and all bids and to award the contract as deemed to its best interests.

STATE GAME LANDS #: 108
SALE #: 108-16-01
NAME: Brownie Brittle

- INSTRUCTIONS TO BIDDERS -

The following information covers details concerning the proposed lump sum sale of an estimated 541,600 board feet of sawlogs and 2,132 tons of pulpwood to be cut from 200 acres of State Game Lands No. 108, Chest Township, Cambria 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 **August 4, 2016**. Viewers will be met at the **SGL parking area along Long Road, Chest Township, Cambria County, PA; GPS coordinates N40.6693 W78.5820 at 10:00 a.m.**, and conducted to the sale area.

The timber to be sold will be clearly designated by **Andrew Hetrick, 4820 Route 711, Bolivar, PA 15923**, telephone: 1-724-238-9524, 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 #108**. 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, August 29, 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 **\$20,000.00** 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 30, 2019**.

- PAYMENTS -

The sale is divided into 5 cutting blocks. Payment may be made by:

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

- 1 – 3% - 7 acres
- 2 – 4% - 70 acres
- 3 – 16% - 77 acres
- 4 – 11% - 8 acres
- 5 – 66% - 38 acres

Payment for Block 4 (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 6 Attached Sheets.

SPECIAL PROVISIONS FOR THE “BROWNIE BRITTLE TIMBER SALE”

S.G.L. # 108 T.S. # 108-16-01

1) ADMINISTRATIVE ITEMS

- a) Whole tree harvesting is permitted in all or any blocks.
- b) This 200 acre timber sale consists of 45 acres of clearcut with residuals (Blocks 1 & 5), 147 acres of thinning (Blocks 2 & 3), and 8 acres of clearcut (Block 4).
- c) Saw timber volumes in blocks 1, 4, & 5 were determined by a 100% tally and pulp wood was determined by a 10 BAF prism plot cruise. Saw timber volumes in blocks 2 & 3 were determined by a 100% tally and pulp wood was determined by a 100% tally. All trees are tallied in 2 inch diameter classes.
- d) Operator is responsible for contacting PA One Call (8-1-1) at least three business days prior to any earth moving activities, skidding, or hauling to insure all utility lines are clearly identified. PA One Call will alert the appropriate facility owners of the intent to conduct earth moving activities or cross underground lines. Utility lines will be crossed in accordance to the requirements of the respective owner of that right-of-way. For more information, visit www.paonecall.org
- e) No permanent paint may be used by bidder for marking/cruising this timber sale area.
- f) Payment for Block 4 (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.

2) BOUNDARIES, BLOCKS, AND CUTTING INSTRUCTIONS

- a) Timber sale boundaries are marked with two blue or two orange stripes and block boundaries are designated by blue numbers.
- b) The boundary of Block 4 (road daylight) is delineated with orange paint.
- c) The blue numbered block line trees separating Blocks 1-2 and 2-3 are not tallied and will not be cut. There are no block lines associated with Blocks 4 and 5.
- d) Reserve trees in Blocks 1 & 5 are marked with red paint. The operator will determine if a reserve tree is a safety hazard, and will notify the Regional Forester of any reserve trees that were felled for safety reasons. Any reserved trees that are felled for safety reasons must be left at the stump. Snags may be left standing unless they present a safety hazard.
- e) **Block 4 must be cut by March 1, 2017.**
- f) All live trees 1 inch dbh and larger must be felled within cutting blocks 1 & 4 with the exception of designated reserve trees. Hawthorn and apple trees are to be reserved when possible.
- g) All yellow painted trees must be felled in cutting blocks 2 & 3.
- h) All live trees 6” inches dbh and smaller must be felled within cutting blocks 2 & 3 with the exception of oak and hickory. The trees to be cut < 6” are **not** delineated with Yellow paint. All slash shall be reduced down below four feet.
- i) All live trees 6 inches dbh and larger must be felled within cutting block 5 with the exception of designated reserve trees.

- j) All woods operations are to proceed at the same time. Pulpwood and culls must be cut during the same operation as sawlogs are being cut and skid.
- k) Cull portions of the tree are to be left at the stump. All logs and pulpwood are to be marked to length in the woods to eliminate short ends at the landings.
- l) Tops and slash will be cleared within 10 feet of the gameland boundary, roads and ditch lines, culverts, utility right-of-ways, herbaceous openings, spring runs, and defined stream channels.
- m) All stumps must be cut lower than 12" from the ground. Exceptions will be granted for multiple bole sawtimber trees.
- n) Extra caution should be taken to avoid felling damage or skidding damage to reserved trees.
- o) No fuel wood cutting by individuals other than the operator and employees will be permitted.

3) US / STATE / LOCAL ROADS

- a) Operator may contact Penn DOT District 9-0, Cambria County at 814-696-7250 for permitting and/or bonding information for any State Roads to be used. For additional information go to <http://www.papostedroads.pa.gov/>
- b) Timber from all blocks will be hauled in a southeast direction from Long Road to Beaver Valley Road (SR 1021). The use of township road (Long Road) is to be coordinated with Chest and White Township Supervisors.

CHEST TOWNSHIP
 PO Box 103
 Flinton, PA 16640
 (814) 674-5259

WHITE TOWNSHIP
 1800 Beaver Valley Rd.
 Flinton, PA 16640
 (814) 687-3005

4) GAME LAND ROADS TO BUILD / IMPROVE

- a) **Road to Improve - Block 3**
 1. Prior to hauling, **45 tons of 3A** quarry stone (1" to 2.5" stone) will be spread to a depth of 4 inches by 12 foot wide over a 300 foot long section of gameland road from Long Road to the designated landing as designated by the Regional Forester or designee.
 2. Upon conclusion of use, the gameland administrative road used for hauling (estimated distance 300') will be graded to a 12 foot running surface, ditch lines established leading into cutouts or culverts, positively drained with broad-based dips and cutouts, and crowned to drain all water into the ditches and seeded with 2 bu. per acre of oats (spring), wheat or barley (fall).

b) **Road to Improve - Block 5**

1. Prior to hauling, **45 tons** of **3A** quarry stone (1" to 2.5" stone) will be spread to a depth of 4 inches by 12 foot wide over a 300 foot long section of gameland road from Long Road to the designated landing as designated by the Regional Forester or designee.
2. Upon conclusion of use, the gameland administrative road used for hauling (estimated distance 300') will be graded to a 12 foot running surface, ditch lines established leading into cutouts or culverts, positively drained with broad-based dips and cutouts, and crowned to drain all water into the ditches and seeded with 2 bu. per acre of oats (spring), wheat or barley (fall).

c) **Roads to Maintain Block 4**

1. This section of administrative gameland road referred to as Killbuck Road (from the gameland gate to Long Road estimated 5,050 feet) must be kept open and passable for vehicles at all times. The operator is responsible for any additional haul road upgrades prior to and during hauling.
2. Upon conclusion of use, the gameland administrative road from the gameland gate to Long Road (estimated 5,050 feet) will be returned to original condition, and top dressed with **250 tons** of **2B** quarry stone. A dozer or similar piece of equipment may be used to back-drag stone after tailgating. Culverts damaged or plugged with sediment as a result of timbering operations will be repaired or replaced with equivalent culvert.

The operator will notify the Regional Forester or designee three business days prior to beginning any road maintenance. The road improvement will occur during normal working days of the forester, and will not occur on weekends or holidays.

5) **LANDINGS**

- a) All landings are to be approved by the Regional Forester or designee. Several designated landing locations are shown on the timber sale map.
- b) An old landing / existing parking area will be used for Blocks 1 & 2 and is delineated on the sale map. Upon conclusion of use all stumps and debris must be removed and scattered singly into the surrounding woods (TSI), graded with positive drainage, and top dressed with **45 tons** of **2A** modified quarry stone. Areas disturbed and not stoned will be treated as outlined in Section 7, Seeding of Roadways and Landings.
- c) An existing herbaceous area will be used for Block 3 and is delineated on the sale map.
- d) A new landing / parking area will be constructed along Long Road as delineated on the sale map. Upon conclusion of use all stumps and debris must be removed and scattered singly into the surrounding woods (TSI), graded with positive drainage, and top dressed with **45 tons** of **3A** (base) and **45 tons** of **2A** modified (top coat). The new area will be 100 feet long by 30 feet deep. Areas disturbed and not stoned will be treated as outlined in Section 7, Seeding of Roadways and Landings.
- e) At the discretion of Regional Forester, landing sites constructed in wooded areas must have all stumps removed and scattered about the cleared edge.
- f) Logging debris is to be kept to a minimum. All logs and pulpwood are to be marked to length in the woods to eliminate short ends at the landings.

- g) All excessive logging debris on the landings is to be removed from the game lands by the operator at the conclusion of the sale.
- h) At the conclusion of the sale, landing sites are to be leveled and positively drained, cleared of debris, and treated according to specifications outlined in Section 7, Seeding of Roadways and Landings.
- i) The operator will notify the Regional Forester or designee three business days prior to beginning landing reclamation. The work will occur during normal working days of the forester, and will not occur on weekends or holidays.

6) **SKIDDING**

- a) Skid trails will be coordinated with the Regional Forester or designee.
- b) No skidding will be allowed through streams or across unprotected utility lines.
- c) No skidding will be permitted across small drainages without the use of temporary bridges.
- d) Skidders are to be kept off of other haul roads as much as possible. No equipment
- e) 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 pulling them out.
- f) If skid trails are to sit idle for one month or more they will be leveled and have water bars added.
- g) Though coordination with the Regional Forester or designee, skid roads and trails within the cutting blocks may be graded rut free, water-bared, and brushed closed as harvesting progresses.
- h) Upon conclusion of use, skid roads not graded and brushed closed will be cleared of all debris, graded rut free, and positively drained with water-bars and cut-outs. All skid roads outside of the timber sale boundary will be treated according to specifications outlined in Section 7, Seeding of Roadways and Landings.

7) **SEEDING OF ROADWAYS AND LANDINGS**

- a) At the conclusion of logging operations in each block or group of adjoining blocks, and suitable weather permits, all disturbed areas designated for seeding will be graded according to specifications outlined above and treated according to the following:

5 lbs. per acre of Inoculated Alsike Clover
 5 lbs. per acre of Inoculated Ladino Clover
 5 lbs. per acre of Inoculated Crimson Clover
 5 lbs. per acre of Inoculated Red Clover
 2 bu. per acre of oats (spring), wheat or barley (fall)
 200 lbs. per acre of Pelletized Lime
 150 lbs. per acre of Triple 19 Fertilizer (19-19-19)
 40 bales per acre of straw

Approximately 3.0 acres are anticipated, but total acreage requiring seeding will be determined on-site as operations progress. All areas, if treated between June 15 and August 15, will be mulched. Landings will be mulched regardless of time of year. Guaranteed catch of cover must

be obtained to the satisfaction of the Regional Forester before the bond will be released, and seeding completed after October 10 will require inspection for successful germination the following spring.

- b) The operator will notify the Regional Forester or designee three business days prior to seeding. The work will occur during normal working days of the forester, and will not occur on weekends or holidays.

8) 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

Harvesting of Blocks 1, 4, and 5 may only occur from November 15 thru March 1. Skidding already felled trees may occur outside of the restricted window.

No woods operation will be permitted from February 15 through April 15 (*spring break-up*) 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.

9) MISCELLANEOUS

- a) Operator must comply with the erosion and sedimentation control plan for the area, update the plan with control measures implemented as logging progress, and maintain an updated copy on-site at all times.
- b) Gates are to be kept closed and locked at all times except when the contractor is present on the site.
- c) Cutting and skidding timber from Block 1 will be limited to dry or frozen periods.
- d) A copy of weigh slips will be provided to the Regional Forester for all specified quarry stone or steel slag aggregate. A copy of receipts will be provided to the Regional Forester for lime, fertilizer and seed.
- e) Violation of contract provisions by the operator may subject the operator or their employees or contractors to fines based on Title 58 regulations.
- f) Operator will supply all employees working on this site with a map and copy of the sale provisions.

10) PA RIGHT TO KNOW PROVISIONS

- 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.

**PGC TIMBER SALE
STATE GAME LANDS NO. 108
Brownie Brittle 108-16-01**

TIMBER SALE COST ESTIMATE

EXISTING HAUL ROADS

Machine/Labor	\$3,000.00
340 Tons Quarry stone	\$6,800.00
Seed w/oats, wheat or barley	\$60.00
	<hr/> \$9,860.00

SKID ROADS

Machine/Labor	\$3,000.00
	<hr/> \$3,000.00

LANDINGS

Machine/Labor	\$2,000.00
Lime, Fertilizer, Seed & Straw Mulch	\$3,000.00
135 Tons Quarry stone	\$2,700.00
	<hr/> \$7,700.00

TOTAL COST ESTIMATE

\$20,560.00

Estimates based on \$1000/day dozer or excavator; quarry stone \$20.00/ton; seed, lime fertilizer, straw mulch \$750/acre.

All additional costs are estimates calculated by the PGC Forestry Division staff and are not guaranteed, and the buyer is encouraged to calculate their own anticipated cost.

PA GAME COMMISSION TIMBER SALE BLOCK SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 1,2,3,4,5
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/16/2015
 ACRES 200

Species		BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW-POPLAR		Totals
Form Class		79	83	78	81	79	81	83	83	82	81	79		
Block No.	Acres	<i>Board Foot Volume - Girard & Mesavage Scribner Rule</i>												
1	7	0	5,059	0	1,671	378	0	180	5,763	210	102	0		13,363
2	70	2,236	486	266	1,939	1,732	0	1,015	4,103	8,149	1,114	1,822		22,862
3	77	26,814	489	12,690	2,120	5,833	0	792	6,023	32,541	645	317		88,264
4	8	2,015	2,353	6,441	6,935	5,840	0	1,982	18,507	2,079	10,168	1,260		57,580
5	38	0	0	69	1,213	160	14,825	215,872	11,267	1,215	34,075	80,835		359,531
Totals	200	31,065	8,387	19,466	13,878	13,943	14,825	219,841	45,663	44,194	46,104	84,234		541,600
No. of Trees		410	78	229	156	142	46	648	468	244	295	295		3,011
AVG. Bd.ft./Tree		76	108	85	89	98	322	339	98	181	156	286		180
No. of Culls		11	9	8	20	43	0	1	58	10	5	6		171

<i>Pulpwood Volume</i>					
Block No.	Acres	Cords/Acre	Tons/Acre	Total Cords	Total Tons
1	7	19	43	130	298
2	70	4	9	266	612
3	77	5	12	393	905
4	8	12	27	95	220
5	38	1	3	42	97
				927	2,132

Comments:
 All volumes listed are estimates.

PA GAME COMMISSION TIMBER SALE BLOCK SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 1,2,3,4,5
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/16/2015
 ACRES 200

Species		BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW-POPLAR		Totals
Form Class		79	83	78	81	79	81	83	83	82	81	79		
Block No.	Acres	<i>Board Foot Volume - Girard & Mesavage Scribner Rule</i>												
1-5	200	31,065	8,387	19,466	13,878	13,943	14,825	219,841	45,663	44,194	46,104	84,234		541,600
Totals	200	31,065	8,387	19,466	13,878	13,943	14,825	219,841	45,663	44,194	46,104	84,234		541,600
No. of Trees		410	78	229	156	142	46	648	468	244	295	295		3,011
AVG. Bd.ft./Tree		76	108	85	89	98	322	339	98	181	156	286		180
No. of Culls		11	9	8	20	43	0	1	58	10	5	6		171

<i>Pulpwood Volume</i>					
Block No.	Acres	Cords/Acre	Tons/Acre	Total Cords	Total Tons
1-5	200	5	11	927	2,132
				927	2,132

Comments:
 All volumes listed are estimates.

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NUMBER(S) 1,2,3,4,5
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/16/2015
 ACRES 200

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				
BIRCH	79	410	11	31,065	76	5.7	155
BLACK CHERRY	83	78	9	8,387	108	1.5	42
E. HEMLOCK	78	229	8	19,466	85	3.6	97
HARD MAPLE	81	156	20	13,878	89	2.6	69
MISC HW	79	142	43	13,943	98	2.6	70
MIXED OAK	81	46	0	14,825	322	2.7	74
N. RED OAK	83	648	1	219,841	339	40.6	1,099
RED MAPLE	83	468	58	45,663	98	8.4	228
WHITE ASH	82	244	10	44,194	181	8.2	221
WHITE OAK	81	295	5	46,104	156	8.5	231
YELLOW-POPLAR	79	295	6	84,234	286	15.6	421
TOTALS		3,011	171	541,600	180	100	2,707

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BIRCH	813	132	9,826	14.1	49	0.7	1.5
BLACK CHERRY	73	7	978	1.4	5	0.1	0.1
E. HEMLOCK	639	66	7,151	10.3	36	0.5	1.1
HARD MAPLE	648	30	7,063	10.2	35	0.5	1.1
MISC HW	1,448	92	23,685	34.1	118	1.6	3.6
MISC SW	136	0	3,214	4.6	16	0.2	0.5
N. RED OAK	17	1	171	0.2	1	0.0	0.0
RED MAPLE	1,437	151	15,196	21.9	76	1.0	2.3
WHITE ASH	68	4	977	1.4	5	0.1	0.1
WHITE OAK	49	3	531	0.8	3	0.0	0.1
YELLOW-POPLAR	70	0	718	1.0	4	0.0	0.1
TOTALS	5,399	486	69,510	100	348	4.6	10.7

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 Brownie Brittle_SGL108
 BLOCK NO. 1,2,3,4,5
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/16/2015
 ACRES 200

Sawtimber Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	1	0	0	1	0	0	1	6	0	0	0	9
12"	167	22	68	68	52	0	12	176	44	47	20	676
14"	138	23	84	44	39	2	23	139	48	60	30	630
16"	72	18	48	25	28	2	44	89	46	75	45	492
18"	28	6	17	9	14	8	92	25	31	58	52	340
20"	3	6	4	5	5	12	125	25	20	28	48	281
22"	0	3	4	3	1	3	117	4	19	20	33	207
24"	1	0	3	0	1	10	115	4	13	3	38	188
26"	0	0	0	1	2	6	78	0	13	4	22	126
28"	0	0	1	0	0	3	36	0	4	0	5	49
30"	0	0	0	0	0	0	4	0	3	0	2	9
32"	0	0	0	0	0	0	1	0	1	0	0	2
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	1	0	0	1
38"	0	0	0	0	0	0	0	0	1	0	0	1
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	410	78	229	156	142	46	648	468	244	295	295	3,011

Sawtimber Volume (bdf.)												
10"	29	0	0	31	0	0	33	198	0	0	0	291
12"	7,901	1,113	3,206	3,221	2,759	0	677	9,374	2,296	2,368	959	33,874
14"	10,500	1,937	5,788	3,513	3,179	175	2,110	12,269	3,864	5,706	2,399	51,440
16"	7,779	2,170	4,944	3,136	3,342	240	6,546	11,341	5,584	10,845	6,133	62,060
18"	3,990	1,049	2,349	1,460	2,482	1,567	20,035	4,359	5,318	11,283	11,496	65,388
20"	532	1,278	628	1,231	845	3,180	35,184	5,624	4,758	6,924	13,695	73,879
22"	0	840	920	864	229	865	41,999	1,232	5,248	6,487	12,531	71,215
24"	334	0	1,053	0	384	4,069	49,636	1,266	4,343	1,049	18,690	80,824
26"	0	0	0	422	723	3,117	39,349	0	6,546	1,442	13,233	64,832
28"	0	0	578	0	0	1,612	20,594	0	2,334	0	3,437	28,555
30"	0	0	0	0	0	0	2,776	0	1,612	0	1,661	6,049
32"	0	0	0	0	0	0	902	0	679	0	0	1,581
34"	0	0	0	0	0	0	0	0	0	0	0	0
36"	0	0	0	0	0	0	0	0	624	0	0	624
38"	0	0	0	0	0	0	0	0	988	0	0	988
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	31,065	8,387	19,466	13,878	13,943	14,825	219,841	45,663	44,194	46,104	84,234	541,600

Pulpwood Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	115	1	26	16	128	1	1	98	0	0	0	387
8"	327	32	223	374	463	39	8	786	24	12	40	2,329
10"	391	41	294	246	456	21	8	579	33	39	27	2,135
12"	94	4	126	31	207	13	1	72	12	1	2	562
14"	9	0	29	7	159	23	0	22	2	0	1	252
16"	8	1	5	4	89	28	0	23	0	0	0	158
18"	0	0	2	0	23	12	0	2	1	0	0	40
20" +	1	1	0	0	14	0	0	5	0	0	0	21
Total	945	80	705	678	1,540	136	18	1,588	72	52	70	5,884

Pulpwood Volume (cuft.)												
6"	25	0	65	40	391	3	3	169	0	0	0	697
8"	2,327	206	1,079	2,746	2,763	237	49	4,287	146	64	268	14,172
10"	4,921	537	2,916	3,238	5,613	251	99	7,172	442	449	374	26,010
12"	1,913	102	2,099	652	4,188	254	20	1,469	262	19	43	11,021
14"	249	0	712	216	4,447	701	0	665	65	0	32	7,086
16"	323	49	181	172	3,784	1,102	0	980	0	0	0	6,591
18"	0	0	99	0	1,409	665	0	105	62	0	0	2,340
20" +	69	84	0	0	1,091	0	0	349	0	0	0	1,593
Total	9,826	978	7,151	7,063	23,685	3,214	171	15,196	977	531	718	69,510

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 1
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/16/2015
 ACRES 7

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				
BIRCH	79	0	0	0	0	0.0	0
BLACK CHERRY	83	51	5	5,059	99	37.9	723
E. HEMLOCK	78	0	0	0	0	0.0	0
HARD MAPLE	81	19	3	1,671	88	12.5	239
MISC HW	79	5	0	378	76	2.8	54
MIXED OAK	81	0	0	0	0	0.0	0
N. RED OAK	83	1	0	180	180	1.3	26
RED MAPLE	83	62	9	5,763	93	43.1	823
WHITE ASH	82	4	0	210	53	1.6	30
WHITE OAK	81	2	0	102	51	0.8	15
YELLOW-POPLAR	79	0	0	0	0	0.0	0
TOTALS		144	17	13,363	93	100	1,910

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BIRCH	40	107	297	3.1	42	0.6	1.3
BLACK CHERRY	33	0	324	3.3	46	0.6	1.4
E. HEMLOCK	0	0	0	0.0	0	0.0	0.0
HARD MAPLE	40	0	313	3.2	45	0.6	1.4
MISC HW	236	0	4,992	51.3	713	9.5	21.9
MISC SW	98	0	2,756	28.3	394	5.2	12.1
N. RED OAK	0	0	0	0.0	0	0.0	0.0
RED MAPLE	162	36	1,050	10.8	150	2.0	4.6
WHITE ASH	0	0	0	0.0	0	0.0	0.0
WHITE OAK	0	0	0	0.0	0	0.0	0.0
YELLOW-POPLAR	0	0	0	0.0	0	0.0	0.0
TOTALS	609	143	9,732	100	1,390	18.5	42.6

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 Brownie Brittle_SGL108
 BLOCK NO. 1
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/16/2015
 ACRES 7

Sawtimber Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	14	0	9	2	0	0	23	2	2	0	52
14"	0	16	0	7	2	0	0	22	1	0	0	48
16"	0	14	0	2	1	0	0	10	1	0	0	28
18"	0	4	0	0	0	0	0	4	0	0	0	8
20"	0	2	0	0	0	0	1	2	0	0	0	5
22"	0	1	0	0	0	0	0	0	0	0	0	1
24"	0	0	0	0	0	0	0	1	0	0	0	1
26"	0	0	0	1	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	0	51	0	19	5	0	1	62	4	2	0	144

Sawtimber Volume (bdf.)												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	694	0	459	112	0	0	1,265	104	102	0	2,736
14"	0	1,380	0	550	155	0	0	1,868	0	0	0	3,953
16"	0	1,654	0	240	111	0	0	1,214	106	0	0	3,325
18"	0	663	0	0	0	0	0	619	0	0	0	1,282
20"	0	360	0	0	0	0	180	426	0	0	0	966
22"	0	308	0	0	0	0	0	0	0	0	0	308
24"	0	0	0	0	0	0	0	371	0	0	0	371
26"	0	0	0	422	0	0	0	0	0	0	0	422
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	0	5,059	0	1,671	378	0	180	5,763	210	102	0	13,363

Pulpwood Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	107	0	0	0	0	0	0	71	0	0	0	178
8"	40	20	0	40	40	20	0	100	0	0	0	261
10"	0	13	0	0	64	13	0	26	0	0	0	116
12"	0	0	0	0	45	9	0	0	0	0	0	53
14"	0	0	0	0	52	20	0	0	0	0	0	72
16"	0	0	0	0	35	25	0	0	0	0	0	60
18"	0	0	0	0	0	12	0	0	0	0	0	12
20" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	147	33	0	40	236	98	0	197	0	0	0	752

Pulpwood Volume (cuft.)												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	0	0	0	105	0	0	0	105
8"	297	142	0	313	279	122	0	615	0	0	0	1,768
10"	0	182	0	0	804	166	0	331	0	0	0	1,484
12"	0	0	0	0	938	186	0	0	0	0	0	1,124
14"	0	0	0	0	1,470	624	0	0	0	0	0	2,094
16"	0	0	0	0	1,501	992	0	0	0	0	0	2,493
18"	0	0	0	0	0	665	0	0	0	0	0	665
20" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	297	324	0	313	4,992	2,756	0	1,050	0	0	0	9,732

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 2
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 7/28/2015
 ACRES 70

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				
BIRCH	79	33	4	2,236	68	9.8	32
BLACK CHERRY	83	7	3	486	69	2.1	7
E. HEMLOCK	78	3	0	266	89	1.2	4
HARD MAPLE	81	37	10	1,939	52	8.5	28
MISC HW	79	25	13	1,732	69	7.6	25
MIXED OAK	81	0	0	0	0	0.0	0
N. RED OAK	83	6	0	1,015	169	4.4	15
RED MAPLE	83	59	19	4,103	70	17.9	59
WHITE ASH	82	50	3	8,149	163	35.6	116
WHITE OAK	81	12	1	1,114	93	4.9	16
YELLOW-POPLAR	79	15	0	1,822	121	8.0	26
TOTALS		247	53	22,862	93	100	328

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BIRCH	86	2	1,013	5.1	14	0.2	0.4
BLACK CHERRY	12	1	171	0.9	2	0.0	0.1
E. HEMLOCK	3	0	27	0.1	0	0.0	0.0
HARD MAPLE	354	12	3,879	19.4	55	0.7	1.7
MISC HW	542	47	10,354	51.9	148	2.0	4.5
MISC SW	19	0	236	1.2	3	0.0	0.1
N. RED OAK	5	0	53	0.3	1	0.0	0.0
RED MAPLE	382	42	3,802	19.1	54	0.7	1.7
WHITE ASH	14	2	205	1.0	3	0.0	0.1
WHITE OAK	10	1	103	0.5	1	0.0	0.0
YELLOW-POPLAR	11	0	109	0.5	2	0.0	0.0
TOTALS	1,438	107	19,953	100	283	3.8	8.7

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 Brownie Brittle_SGL108
 BLOCK NO. 2
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 7/28/2015
 ACRES 70

Sawtimber Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	10	4	1	25	11	0	1	36	1	5	3	97
14"	7	2	1	10	8	0	1	14	9	4	5	61
16"	9	0	1	2	5	0	2	5	12	1	4	41
18"	6	0	0	0	1	0	1	2	9	1	0	20
20"	1	1	0	0	0	0	1	2	4	0	3	12
22"	0	0	0	0	0	0	0	0	10	0	0	10
24"	0	0	0	0	0	0	0	0	5	1	0	6
26"	0	0	0	0	0	0	0	0	0	0	0	0
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	33	7	3	37	25	0	6	59	50	12	15	247

Sawtimber Volume (bdf.)												
DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	390	199	47	1,047	524	0	55	1,644	48	213	126	4,293
14"	448	107	92	692	489	0	107	1,085	566	368	408	4,362
16"	678	0	127	200	592	0	296	538	1,282	101	454	4,268
18"	627	0	0	0	127	0	244	277	1,350	178	0	2,803
20"	93	180	0	0	0	0	313	559	1,078	0	834	3,057
22"	0	0	0	0	0	0	0	0	2,580	0	0	2,580
24"	0	0	0	0	0	0	0	0	1,245	254	0	1,499
26"	0	0	0	0	0	0	0	0	0	0	0	0
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	2,236	486	266	1,939	1,732	0	1,015	4,103	8,149	1,114	1,822	22,862

Pulpwood Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	0	0	0	0	0	0	0	0
8"	47	4	1	213	202	11	3	251	7	4	6	749
10"	28	7	2	129	127	2	1	141	5	6	5	453
12"	9	2	0	17	107	2	1	25	2	1	0	166
14"	2	0	0	6	90	3	0	2	2	0	0	105
16"	2	0	0	1	42	1	0	4	0	0	0	50
18"	0	0	0	0	17	0	0	0	0	0	0	17
20" +	0	0	0	0	4	0	0	1	0	0	0	5
Total	88	13	3	366	589	19	5	424	16	11	11	1,545

Pulpwood Volume (cuft.)												
DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	0	0	0	0	0	0	0	0
8"	341	21	6	1,575	1,182	67	21	1,379	42	26	40	4,700
10"	349	99	21	1,719	1,429	21	12	1,612	55	59	69	5,445
12"	187	51	0	357	2,094	34	20	510	44	19	0	3,316
14"	55	0	0	185	2,480	77	0	60	65	0	0	2,923
16"	81	0	0	43	1,775	37	0	170	0	0	0	2,105
18"	0	0	0	0	1,040	0	0	0	0	0	0	1,040
20" +	0	0	0	0	354	0	0	70	0	0	0	423
Total	1,013	171	27	3,879	10,354	236	53	3,802	205	103	109	19,953

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 3
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 8/7/2015
 ACRES 77

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				
BIRCH	79	350	5	26,814	77	30.4	348
BLACK CHERRY	83	5	1	489	98	0.6	6
E. HEMLOCK	78	150	4	12,690	85	14.4	165
HARD MAPLE	81	25	3	2,120	85	2.4	28
MISC HW	79	60	23	5,833	97	6.6	76
MIXED OAK	81	0	0	0	0	0.0	0
N. RED OAK	83	6	0	792	132	0.9	10
RED MAPLE	83	75	14	6,023	80	6.8	78
WHITE ASH	82	157	6	32,541	207	36.9	423
WHITE OAK	81	10	3	645	65	0.7	8
YELLOW-POPLAR	79	2	0	317	159	0.4	4
TOTALS		840	59	88,264	105	100	1,146

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BIRCH	629	22	7,858	26.6	102	1.4	3.1
BLACK CHERRY	19	4	292	1.0	4	0.1	0.1
E. HEMLOCK	461	52	5,572	18.9	72	1.0	2.2
HARD MAPLE	168	13	1,924	6.5	25	0.3	0.8
MISC HW	464	42	6,562	22.2	85	1.1	2.6
MISC SW	13	0	176	0.6	2	0.0	0.1
N. RED OAK	8	1	83	0.3	1	0.0	0.0
RED MAPLE	563	32	6,152	20.9	80	1.1	2.5
WHITE ASH	48	1	702	2.4	9	0.1	0.3
WHITE OAK	16	2	158	0.5	2	0.0	0.1
YELLOW-POPLAR	1	0	22	0.1	0	0.0	0.0
TOTALS	2,390	169	29,500	100	382	5.1	11.7

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 Brownie Brittle_SGL108
 BLOCK NO. 3
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 8/7/2015
 ACRES 77

Sawtimber Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	1	0	0	0	0	0	0	4	0	0	0	5
12"	148	1	39	11	25	0	2	38	28	7	0	299
14"	118	2	57	7	16	0	0	20	29	2	0	251
16"	59	2	35	4	10	0	2	8	26	1	1	148
18"	21	0	12	2	3	0	2	3	19	0	0	62
20"	2	0	4	0	3	0	0	1	16	0	1	27
22"	0	0	1	1	1	0	0	1	8	0	0	12
24"	1	0	1	0	1	0	0	0	8	0	0	11
26"	0	0	0	0	1	0	0	0	13	0	0	14
28"	0	0	1	0	0	0	0	0	4	0	0	5
30"	0	0	0	0	0	0	0	0	3	0	0	3
32"	0	0	0	0	0	0	0	0	1	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	1	0	0	1
38"	0	0	0	0	0	0	0	0	1	0	0	1
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	350	5	150	25	60	0	6	75	157	10	2	840

Sawtimber Volume (bdf.)												
DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	29	0	0	0	0	0	0	132	0	0	0	161
12"	7,097	55	1,815	542	1,379	0	110	2,124	1,436	347	0	14,905
14"	9,044	214	3,902	571	1,457	0	0	1,650	2,388	198	0	19,424
16"	6,680	220	3,517	400	1,154	0	296	1,032	3,306	100	97	16,802
18"	3,191	0	1,734	319	498	0	386	681	3,398	0	0	10,207
20"	439	0	628	0	405	0	0	180	3,680	0	220	5,552
22"	0	0	194	288	229	0	0	224	2,452	0	0	3,387
24"	334	0	322	0	384	0	0	0	3,098	0	0	4,138
26"	0	0	0	0	327	0	0	0	6,546	0	0	6,873
28"	0	0	578	0	0	0	0	0	2,334	0	0	2,912
30"	0	0	0	0	0	0	0	0	1,612	0	0	1,612
32"	0	0	0	0	0	0	0	0	679	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	624	0	0	624
38"	0	0	0	0	0	0	0	0	988	0	0	988
40" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	26,814	489	12,690	2,120	5,833	0	792	6,023	32,541	645	317	88,264

Pulpwood Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	0	0	0	0	0	0	0	0
8"	227	6	151	97	201	6	4	294	14	8	0	1,008
10"	331	14	220	71	228	3	5	251	24	10	0	1,157
12"	80	2	109	10	45	2	0	32	10	0	1	291
14"	6	0	27	1	11	0	0	10	0	0	0	55
16"	6	1	4	2	8	2	0	6	0	0	0	29
18"	0	0	2	0	6	0	0	0	1	0	0	9
20" +	1	0	0	0	7	0	0	2	0	0	0	10
Total	651	23	513	181	506	13	9	595	49	18	1	2,559

Pulpwood Volume (cuft.)												
DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	0	0	0	0	0	0	0	0
8"	1,600	35	698	671	1,171	36	21	1,643	90	38	0	6,004
10"	4,159	156	2,158	927	2,903	32	62	3,159	331	120	0	14,006
12"	1,622	51	1,811	210	948	34	0	653	219	0	22	5,569
14"	166	0	661	31	321	0	0	302	0	0	0	1,481
16"	242	49	145	86	341	73	0	256	0	0	0	1,192
18"	0	0	99	0	369	0	0	0	62	0	0	530
20" +	69	0	0	0	510	0	0	139	0	0	0	718
Total	7,858	292	5,572	1,924	6,562	176	83	6,152	702	158	22	29,500

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 4
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/14/2015
 ACRES 8

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				
BIRCH	79	27	2	2,015	75	3.5	252
BLACK CHERRY	83	15	0	2,353	157	4.1	294
E. HEMLOCK	78	75	4	6,441	86	11.2	805
HARD MAPLE	81	65	2	6,935	107	12.0	867
MISC HW	79	49	3	5,840	119	10.1	730
MIXED OAK	81	0	0	0	0	0.0	0
N. RED OAK	83	9	0	1,982	220	3.4	248
RED MAPLE	83	156	3	18,507	119	32.1	2,313
WHITE ASH	82	21	0	2,079	99	3.6	260
WHITE OAK	81	57	1	10,168	178	17.7	1,271
YELLOW-POPLAR	79	6	0	1,260	210	2.2	158
TOTALS		480	15	57,580	120	100	7,198

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BIRCH	58	1	659	9.2	82	1.1	2.5
BLACK CHERRY	9	2	191	2.7	24	0.3	0.7
E. HEMLOCK	175	14	1,553	21.7	194	2.6	6.0
HARD MAPLE	65	5	663	9.3	83	1.1	2.5
MISC HW	88	3	1,421	19.8	178	2.4	5.4
MISC SW	6	0	47	0.7	6	0.1	0.2
N. RED OAK	4	0	35	0.5	4	0.1	0.1
RED MAPLE	159	8	2,426	33.9	303	4.0	9.3
WHITE ASH	6	1	69	1.0	9	0.1	0.3
WHITE OAK	2	0	24	0.3	3	0.0	0.1
YELLOW-POPLAR	4	0	74	1.0	9	0.1	0.3
TOTALS	576	34	7,161	100	895	11.9	27.4

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 Brownie Brittle_SGL108
 BLOCK NO. 4
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 10/14/2015
 ACRES 8

Sawtimber Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	1	0	0	1	2	0	0	0	4
12"	9	3	28	20	11	0	0	37	7	7	1	123
14"	13	3	25	17	13	0	0	43	6	10	0	130
16"	4	2	12	15	12	0	0	42	6	9	1	103
18"	1	2	5	7	10	0	2	12	1	9	3	52
20"	0	3	0	3	2	0	2	14	0	10	0	34
22"	0	2	3	2	0	0	4	3	1	9	0	24
24"	0	0	2	0	0	0	0	3	0	1	0	6
26"	0	0	0	0	1	0	0	0	0	2	1	4
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	27	15	75	65	49	0	9	156	21	57	6	480

Sawtimber Volume (bdf.)												
10"	0	0	0	31	0	0	33	66	0	0	0	130
12"	414	165	1,344	1,020	584	0	0	2,052	380	372	51	6,382
14"	1,008	236	1,725	1,450	1,078	0	0	4,007	546	875	0	10,925
16"	421	296	1,300	2,016	1,485	0	0	5,456	747	1,176	176	13,073
18"	172	386	615	1,141	1,857	0	488	1,908	190	1,702	528	8,987
20"	0	738	0	701	440	0	313	3,115	0	2,196	0	7,503
22"	0	532	726	576	0	0	1,148	1,008	216	2,887	0	7,093
24"	0	0	731	0	0	0	0	895	0	350	0	1,976
26"	0	0	0	0	396	0	0	0	0	610	505	1,511
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	2,015	2,353	6,441	6,935	5,840	0	1,982	18,507	2,079	10,168	1,260	57,580

Pulpwood Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	8	1	26	16	11	1	1	27	0	0	0	91
8"	13	2	71	24	20	2	1	42	3	0	1	179
10"	32	7	72	25	37	3	2	56	4	2	1	241
12"	5	0	17	4	10	0	0	15	0	0	1	52
14"	1	0	2	0	6	0	0	10	0	0	1	20
16"	0	0	1	1	4	0	0	13	0	0	0	19
18"	0	0	0	0	0	0	0	2	0	0	0	2
20" +	0	1	0	0	3	0	0	2	0	0	0	6
Total	59	11	189	70	91	6	4	167	7	2	4	610

Pulpwood Volume (cuft.)												
6"	25	0	65	40	34	3	3	65	0	0	0	236
8"	89	7	376	187	130	12	7	245	14	0	7	1,074
10"	413	99	737	309	477	32	25	709	55	24	14	2,893
12"	104	0	288	84	208	0	0	306	0	0	22	1,012
14"	28	0	51	0	176	0	0	302	0	0	32	589
16"	0	0	36	43	167	0	0	554	0	0	0	800
18"	0	0	0	0	0	0	0	105	0	0	0	105
20" +	0	84	0	0	228	0	0	139	0	0	0	451
Total	659	191	1,553	663	1,421	47	35	2,426	69	24	74	7,161

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Brownie Brittle_SGL108
 BLOCK NO. 5
 COUNTY Cambria
 TOWNSHIP Chest

SGL NO. 108
 FORESTER BMK
 DATE 11/13/2015
 ACRES 38

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				
BIRCH	79	0	0	0	0	0.0	0
BLACK CHERRY	83	0	0	0	0	0.0	0
E. HEMLOCK	78	1	0	69	69	0.0	2
HARD MAPLE	81	10	2	1,213	121	0.3	32
MISC HW	79	3	4	160	53	0.0	4
MIXED OAK	81	46	0	14,825	322	4.1	390
N. RED OAK	83	626	1	215,872	345	60.0	5,681
RED MAPLE	83	116	13	11,267	97	3.1	297
WHITE ASH	82	12	1	1,215	101	0.3	32
WHITE OAK	81	214	0	34,075	159	9.5	897
YELLOW-POPLAR	79	272	6	80,835	297	22.5	2,127
TOTALS		1,300	27	359,531	277	100	9,462

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
BIRCH	0	0	0	0.0	0	0.0	0.0
BLACK CHERRY	0	0	0	0.0	0	0.0	0.0
E. HEMLOCK	0	0	0	0.0	0	0.0	0.0
HARD MAPLE	21	0	284	9.0	7	0.1	0.2
MISC HW	117	0	357	11.3	9	0.1	0.3
MISC SW	0	0	0	0.0	0	0.0	0.0
N. RED OAK	0	0	0	0.0	0	0.0	0.0
RED MAPLE	172	33	1,766	55.8	46	0.6	1.4
WHITE ASH	0	0	0	0.0	0	0.0	0.0
WHITE OAK	21	0	247	7.8	6	0.1	0.2
YELLOW-POPLAR	54	0	513	16.2	13	0.2	0.4
TOTALS	385	33	3,165	100	81	1.1	2.6

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 Brownie Brittle_SGL108
 BLOCK NO. 5
 COUNTY Cambria
 TOWNSHIP Chest

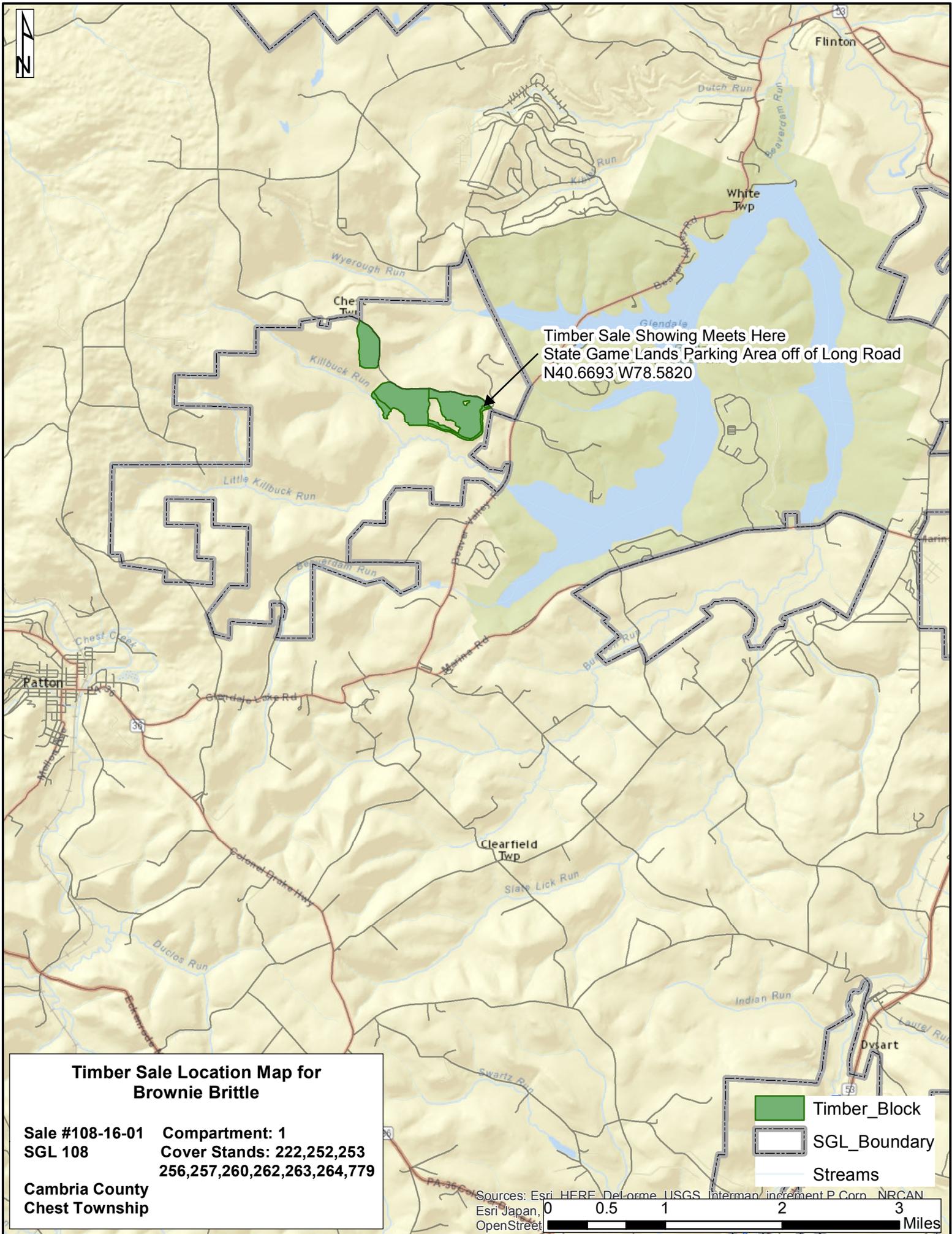
SGL NO. 108
 FORESTER BMK
 DATE 11/13/2015
 ACRES 38

Sawtimber Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	0	0	3	3	0	9	42	6	26	16	105
14"	0	0	1	3	0	2	22	40	3	44	25	140
16"	0	0	0	2	0	2	40	24	1	64	39	172
18"	0	0	0	0	0	8	87	4	2	48	49	198
20"	0	0	0	2	0	12	121	6	0	18	44	203
22"	0	0	0	0	0	3	113	0	0	11	33	160
24"	0	0	0	0	0	10	115	0	0	1	38	164
26"	0	0	0	0	0	6	78	0	0	2	21	107
28"	0	0	0	0	0	3	36	0	0	0	5	44
30"	0	0	0	0	0	0	4	0	0	0	2	6
32"	0	0	0	0	0	0	1	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	0	0	1	10	3	46	626	116	12	214	272	1,300

Sawtimber Volume (bdf.)												
DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MIXED OAK	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
10"	0	0	0	0	0	0	0	0	0	0	0	0
12"	0	0	0	153	160	0	512	2,289	328	1,334	782	5,558
14"	0	0	69	250	0	175	2,003	3,659	364	4,265	1,991	12,776
16"	0	0	0	280	0	240	5,954	3,101	143	9,468	5,406	24,592
18"	0	0	0	0	0	1,567	18,917	874	380	9,403	10,968	42,109
20"	0	0	0	530	0	3,180	34,378	1,344	0	4,728	12,641	56,801
22"	0	0	0	0	0	865	40,851	0	0	3,600	12,531	57,847
24"	0	0	0	0	0	4,069	49,636	0	0	445	18,690	72,840
26"	0	0	0	0	0	3,117	39,349	0	0	832	12,728	56,026
28"	0	0	0	0	0	1,612	20,594	0	0	0	3,437	25,643
30"	0	0	0	0	0	0	2,776	0	0	0	1,661	4,437
32"	0	0	0	0	0	0	902	0	0	0	0	902
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	0	69	1,213	160	14,825	215,872	11,267	1,215	34,075	80,835	359,531

Pulpwood Trees												
SPECIES DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	117	0	0	0	0	0	0	117
8"	0	0	0	0	0	0	0	99	0	0	33	132
10"	0	0	0	21	0	0	0	106	0	21	21	169
12"	0	0	0	0	0	0	0	0	0	0	0	0
14"	0	0	0	0	0	0	0	0	0	0	0	0
16"	0	0	0	0	0	0	0	0	0	0	0	0
18"	0	0	0	0	0	0	0	0	0	0	0	0
20" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	21	117	0	0	205	0	21	54	418

Pulpwood Volume (cuft.)												
DBH	BIRCH	BLACK CHERRY	E. HEMLOCK	HARD MAPLE	MISC HW	MISC SW	N. RED OAK	RED MAPLE	WHITE ASH	WHITE OAK	YELLOW- POPLAR	Total
6"	0	0	0	0	357	0	0	0	0	0	0	357
8"	0	0	0	0	0	0	0	404	0	0	221	626
10"	0	0	0	284	0	0	0	1,361	0	247	291	2,183
12"	0	0	0	0	0	0	0	0	0	0	0	0
14"	0	0	0	0	0	0	0	0	0	0	0	0
16"	0	0	0	0	0	0	0	0	0	0	0	0
18"	0	0	0	0	0	0	0	0	0	0	0	0
20" +	0	0	0	0	0	0	0	0	0	0	0	0
Total	0	0	0	284	357	0	0	1,766	0	247	513	3,165



Timber Sale Showing Meets Here
 State Game Lands Parking Area off of Long Road
 N40.6693 W78.5820

**Timber Sale Location Map for
 Brownie Brittle**

Sale #108-16-01 Compartment: 1
SGL 108 Cover Stands: 222,252,253
256,257,260,262,263,264,779

Cambria County
Chest Township

- Timber_Block
- SGL_Boundary
- Streams

Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp, NRCAN, Esri Japan, OpenStreetMap, Miles

