

STATE GAME LANDS #: 191
SALE: 191-15-01
NAME: High Bar Walkabout

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 286,344 board feet of sawlogs and 2,717 tons of pulpwood located on 97 acres of State Game Lands No. 191, Greenfield & Venango Townships, Erie 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 **\$10,000.00** 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 **October 1, 2018**.

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 #191 High Bar Walkabout Sale**. Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, PA 17110-9797, at **2:00 P.M., Monday, September 26, 2016**. The Commission reserves the right to reject any and all bids and to award the contract as deemed to its best interests.

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- INSTRUCTIONS TO BIDDERS -

The following information covers details concerning the proposed lump sum sale of an estimated 286,344 board feet of sawlogs and 2,717 tons of pulpwood to be cut from 97 acres of State Game Lands No. 191, Greenfield & Venango Townships, Erie 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 by appointment. Viewers should contact Regional Forester Howard Wurzbacher, P. O. Box 31, Franklin, PA 16323, telephone: 1-814-432-3187, the Officer in Charge to arrange for an appointment showing.

The timber to be sold will be clearly designated by Howard Wurzbacher, P. O. Box 31, Franklin, PA 16323, telephone: 1-814-432-3187, the Officer in Charge.

- 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 #191 High Bar Walkabout Sale.** 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, September 26, 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 **\$10,000.00** 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 **October 1, 2018**.

- PAYMENTS -

The sale is divided into 9 cutting blocks. Payment may be made by:

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

1 – 5% - 4 acres	6 – 10% - 7 acres
2 – 15% - 22 acres	7 – 5% - 11 acres
3 – 10% - 13 acres	8 – 5% - 14 acres
4 – 5% - 6 acres	9 – 35% - 12 acres
5 – 10% - 8 acres	

Payment for Block 3 (10% 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 six Attached Sheet(s).

SPECIAL PROVISIONS FOR THE HIGH BAR WALKABOUT SALE

S.G.L. # 191 T.S. # 191-15-01

1) ADMINISTRATIVE ITEMS

- a) This timber sale consists of 9 blocks and has an estimated 286,344 board feet and 2,716 tons of pulpwood across 97 acres.
- b) The sale consists of 7 blocks totaling 72 acres of regeneration cuts and 2 blocks totaling 25 acres of thinning treatments.
- c) The High Bar Walkabout Timber Sale on State Game Lands 191 covers 97 acres across different silvicultural treatments. The primary goal of this project is to increase early successional habitat and forest structure across the Game Lands. A secondary goal is to salvage merchantable white ash trees that are infested with the emerald ash borer insect.
- d) **Payment for Block 3 (10% of the bid price) is due at contract execution. Final payment is due No Later Than 120 days before the expiration of the Agreement.**
- e) This is a re-bid of a sale previously bid on May 9, 2016. The high bidder failed to execute the sale contract, and the sale is being offered for re-bidding.
- f) **All spruce are reserved in Block 5.**

2) BOUNDARIES, BLOCKS, AND CUTTING INSTRUCTIONS

- a) Timber sale boundaries are marked by two blue stripes and gameland boundaries are designated with white blazes.
- b) **All trees except for trees marked with blue paint must be cut in Blocks 1, 2, 3, 4, 5, 6 & 9.**
- c) **All trees marked with yellow paint in Blocks 7 & 8 must be cut.**
- d) **All spruce are reserved in Block 5.**
- e) 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.
- f) Game Land boundary, roads, herbaceous openings and spring runs are to be kept free of tops.
- g) All stumps must be cut lower than 12" ground height.
- h) 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.
- i) Extra caution should be taken to avoid felling damage or skidding damage to reserved trees.
- j) Except for the contractor, no persons shall be permitted to cut or remove firewood.

3) US / STATE / LOCAL ROADS

- a) The contractor will need to use state road SR 89. For information about weight limits and permits, contact the PennDOT District 1 Office at 814-678-7085.

- b) Morgan Road (T-756), Raymond Road (T-705) and Ashton Road (T-994) are located in Greenfield Township, Erie County, and will require bonding. For information contact:
Greenfield Township
11184 Rich Hill Road
North East, PA 16428
Phone: 814-725-9110

- c) Morgan Road (T-756) and Kimball Road (T-623) are both located in Venango Township, Erie County, and will require bonding. For information contact:
Venango Township
9141 Townhall Road
Wattsburg, PA 16442
814-734-2688

4) GAME LAND ROADS TO BUILD / IMPROVE

Total distance of roads to improve and maintain is approximately 4,100 feet or 0.78 mile.

a) **General Road Specs**

1. The contractor will be required to maintain the gameland roads throughout operations on the sale. This may require application of aggregate. The Regional Forester will have final determination if and where gravel; may be needed on the roadways. Aggregate is not available on the gameland, but it can be purchased locally and delivered to the site.
2. Where needed, all roadways must be graded at the conclusion of use. Total potential distance of roads to grade and maintain is approximately 4,100 feet or 0.78 mile. Ditches and other drainage structures must be opened and re-established where needed. The operator must clean out culvert catch basins and tail ditches with a backhoe or excavator. Roads must also be crowned to drain all water into the ditches and culverts.
3. Gates are to be kept closed and locked at all times except when the contractor is present on the site.

b) **Road to Improve to Block 1**

1. The existing gameland road shown on the sale map to Block 1 is to be maintained for a distance of approximately 800 feet. This road will be used for skidding material from Block 1 to the landing located at an existing parking area.
2. The operator must replace/install two (2) smooth bore, double-walled plastic culverts in this roadway. Culverts needed are as follows:

One (1) 18" diameter by 40' length at the intersection with Raymond Road (T-705)
One (1) 15" diameter by 30' length

The new culverts must be set in a minimum of 4" of compacted 2RC gravel and covered with an additional 1' of compacted 2RC gravel. This will require 20 tons of 2RC gravel for each culvert, for a total of 40 tons for the installations. This gravel is not available on the gameland. It must be purchased off-site and delivered to the gameland. The new culvert installation

locations will be identified to the operator by the Regional Forester. Also, the culvert installation at the intersection with Raymond Road (T-705) must be coordinated with Greenfield Township supervisors. The old culverts must be removed for disposal from the gameland by the operator.

3. At the conclusion of use, this roadway is to be seeded according to specifications outlined below in Section 7.

c) Road to Improve to Block 2

1. The operator will be required to improve and maintain an existing gameland road to the southern landing for Block 2 for a distance of approximately 1,650 feet.
2. The operator will be required to apply 100 tons of 2RC gravel to the roadway at a location designated by the Regional Forester. The contractor must use a bulldozer to shape and grade the roadway as the gravel is applied.
3. At the conclusion of use, this roadway is to be seeded according to specifications outlined below in Section 7.

d) Road to Improve to Block 7

4. The operator will be required to improve and maintain an existing gameland road to the landing for Block 7 for a distance of approximately 1,650 feet.
5. The operator must apply 300 tons of 2RC gravel to the roadway beginning at the landing location and continuing south on the road. The contractor must use a bulldozer to shape and grade the roadway as gravel is applied.

5) LANDINGS

- a) All landings are to be approved by the officer-in-charge. Main landing locations are designated on the sale map.
- b) 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.
- c) The operator must construct a truck pad for the landing for Block 3. One (1) 15" diameter by 40' long smooth bore, double-walled plastic culvert must be installed at the intersection with Raymond Road (T-705). Twenty (20) tons of 2RC gravel will be required for this installation. Installation of the culvert must be coordinated with Greenfield Township supervisors.

The operator must apply woven geotextile fabric with a minimum width of 12 feet for a length of 200 feet to establish a truck pad prior to applying aggregate. The operator must then apply 200 tons of bank run gravel over the fabric. Following this, the operator must apply a topcoat of 40 tons of 2RC gravel to the road surface. The operator must use a bulldozer to compact, shape and grade the materials as they are applied.

- d) The operator must construct a truck pad for the landing for Block 8. One (1) 15" diameter by 40' long smooth bore, double-walled plastic culvert must be installed at the intersection with Morgan Road (T-756). Twenty (20) tons of 2RC gravel will be required for this installation. Installation of the culvert must be coordinated with Venango Township supervisors.

The operator must apply woven geotextile fabric with a minimum width of 12 feet for a length of 200 feet to establish a truck pad prior to applying aggregate. The operator must then apply 200

tons of bank run gravel over the fabric. Following this, the operator must apply a topcoat of 40 tons of 2RC gravel to the road surface. The operator must use a bulldozer to compact, shape and grade the materials as they are applied.

- e) At the conclusion of use, the operator must apply gravel to three (3) landings. A total of 180 tons of 2RC gravel will be needed. The operator must use a bulldozer to compact and grade the gravel. Required applications are as follows:

Block 1 – apply 60 tons of 2RC gravel
Block 3 – apply 60 tons of 2RC gravel
Block 5 – apply 60 tons of 2RC gravel

- f) All logging debris must be removed from the landings for Blocks 1, 2 & 7.
- g) All excessive logging debris on the remaining 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, all landings (except for parking areas) are to be leveled, cleared of debris, and seeded according to specifications outlined in Section 7 below.

6) **SKIDDING**

- a) Skid trails will be designated by the officer-in-charge. Existing trails are to be used for skidding and must be left open and level.
- b) No skidding across small drainages will be permitted without the use of temporary bridges and permission from the Regional Forester.
- c) Skidders are to be kept off of haul roads as much as possible.
- d) If skid trails are to sit idle for one month or more they are to have water bars added.
- e) Main skid trails are to be leveled, open and have water bars added at the conclusion of the sale.

7) **SEEDING OF ROADWAYS AND LANDINGS**

- a) At the conclusion of the sale, all landings (except for graveled parking areas), the skid road from Block 1 to the landing location, the gameland road to the Block 2 landing, and disturbed areas along gameland roads are to be leveled, cleared of rocks and debris and seeded according to the following:

6 lbs. per acre of White Dutch Clover - Inoculated Seed
10 lbs. per acre of Crimson Clover - Inoculated Seed
25 lbs. per acre of Wheat

Lime 4 tons per acre.
Fertilizer - 300 lbs. per acre of 10-20-20

Approximately 1.5 acres are to be seeded at the conclusion of the sale.

- b) Straw mulch will be required at a rate of 2.5 tons per acre or 100 bales per acre.
- c) 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 or oats.
- e) Guaranteed catch of cover must be obtained before the bond will be released.

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

No woods operation will be permitted from **March 1 to May 15** without the permission of the officer-in-charge.

- 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.
- b) Extra caution should be taken to avoid felling damage or skidding damage to reserved trees.
- c) Nobody will be allowed to get firewood from the sale area unless they are an employee of the company actively working on the sale.
- d) All existing trails and at least one main skid trail are to be kept open as hunter access in each block.
- e) *Violation of contract provisions by the operator may subject the operator or its employees or contractors to fine based on Title 58 regulations.*
- f) **All spruce are reserved in Block 5.**
- g) **Payment for Block 3 (10% of the bid price) is due at contract execution.** Final payment is due **No Later Than 120 days before the expiration of the Agreement.**

10) 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.

**LOGGING COSTS FOR THE HIGH BAR WALKABOUT SALE
S.G.L. # 191**

A.	ROAD TO IMPROVE TO BLOCK 1		
	Culvert costs & installation		\$ 1,750
	40 tons of 2RC gravel for culverts		<u>\$ 700</u>
		Sub-Total	\$ 2,450
B.	ROAD TO IMPROVE TO BLOCK 2		
	Apply 100 tons of 2RC gravel to road surface		<u>\$ 1,750</u>
		Sub-Total	\$ 1,750
C.	ROAD TO IMPROVE TO BLOCK 7		
	Apply 300 tons of 2RC gravel to road surface		<u>\$ 5,250</u>
		Sub-Total	\$ 5,250
D.	LANDING FOR BLOCK 3		
	Culvert cost & installation		\$ 750
	20 tons of 2RC gravel for culvert		\$ 350
	Woven geotextile fabric (200')		\$ 250
	Apply 200 tons of bank run gravel to truck pad		\$ 2,500
	Apply 40 tons of 2RC gravel topcoat		<u>\$ 700</u>
		Sub-Total	\$ 4,550
	LANDING FOR BLOCK 8		
	Culvert cost & installation		\$ 750
	20 tons of 2RC gravel for culvert		\$ 350
	Woven geotextile fabric (200')		\$ 250
	Apply 200 tons of bank run gravel to truck pad		\$ 2,500
	Apply 40 tons of 2RC gravel topcoat		<u>\$ 700</u>
		Sub-Total	\$ 4,550
	LANDINGS FOR BLOCKS 1, 3 & 5		
	Apply 60 tons of 2RC gravel to each (180 tons 2RC total)		<u>\$ 3,150</u>
		Sub-Total	\$ 3,150
E.	CLEANUP		
	Final road grading		\$ 1,000
	Skid trail and landing cleanup		\$ 1,000
	Remove logging debris from Blocks 1, 2 & 7		<u>\$ 1,000</u>
		Sub-Total	\$ 3,000
F.	SEEDING (1.5 acres)		
		Sub-Total	\$ 3,000
		TOTAL	\$ 27,700

The above logging costs are not guaranteed, but they are our best estimate and may vary according to different contractors. The bidder should devise their costs using this sheet for assistance only in formulating their own costs.

PA GAME COMMISSION TIMBER SALE BLOCK SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 1,2,3,4,5,6,7,8,9
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/17/2015
 ACRES 97

Species		WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Totals
Form Class		82	79	83	79	79	81	83	79	82	79			
Block No.	Acres	<i>Board Foot Volume - Girard & Mesavage Scribner Rule</i>												
1	4	310	5,669	3,208	4,576	0	278	756	0	0	72			14,869
2	22	35,697	1,866	2,525	1,705	0	2,057	1,794	0	1,669	994			48,307
3	13	11,880	19,067	10,080	72	0	0	1,082	0	977	0			43,158
4	6	1,885	2,085	2,016	6,697	0	380	1,630	0	0	72			14,765
5	8	13,103	0	4,092	2,223	0	0	423	0	0	0			19,841
6	7	7,288	286	5,021	3,108	0	602	1,127	4,957	0	0			22,389
7	11	1,655	4,470	3,105	337	13,468	0	49	4,314	0	0			27,398
8	14	1,181	10,481	3,831	7,617	18,915	0	916	0	0	0			42,941
9	12	6,479	0	33,916	516	0	10,238	1,325	0	0	202			52,676
Totals	97	79,478	43,924	67,794	26,851	32,383	13,555	9,102	9,271	2,646	1,340			286,344
No. of Trees		765	497	436	272	258	134	97	79	27	15			2,580
AVG. Bd.ft./Tree		104	88	155	99	126	101	94	117	98	89			111
No. of Culls		127	2	29	10	0	4	12	0	7	0			191

<i>Pulpwood Volume</i>					
Block No.	Acres	Cords/Acre	Tons/Acre	Total Cords	Total Tons
1	4	17	39	67	155
2	22	15	35	335	763
3	13	18	41	233	534
4	6	13	29	75	174
5	8	14	32	113	259
6	7	10	23	69	159
7	11	7	17	82	189
8	14	13	29	177	408
9	12	3	6	33	76
				1,184	2,717

Comments:

All volumes listed are estimates.

All trees are to be cut except for trees marked with **blue paint** in Blocks 1,2,3,4,5,6 & 9.

All Spruce are reserved in Block 5.

All trees marked with **yellow paint** must be cut in Blocks 7 & 8.

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NUMBER(S) 1,2,3,4,5,6,7,8,9
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/17/2015
 ACRES 97

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				
WHITE ASH	82	765	127	79,478	104	27.8	819
PINE	79	497	2	43,924	88	15.3	453
BLACK CHERRY	83	436	29	67,794	155	23.7	699
ASPEN	79	272	10	26,851	99	9.4	277
SPRUCE	79	258	0	32,383	126	11.3	334
SUGAR MAPLE	81	134	4	13,555	101	4.7	140
RED MAPLE	83	97	12	9,102	94	3.2	94
WHITE PINE	79	79	0	9,271	117	3.2	96
DEAD WHITE ASH	82	27	7	2,646	98	0.9	27
MISC	79	15	0	1,340	89	0.5	14
TOTALS		2,580	191	286,344	111	100	2,953

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	2,030	668	31,386	35.3	324	4.3	9.9
PINE	1,593	60	21,172	23.8	218	2.9	6.7
BLACK CHERRY	458	325	6,741	7.6	69	0.9	2.1
RED MAPLE	475	185	5,821	6.5	60	0.8	1.8
ASPEN	619	23	12,408	14.0	128	1.7	3.9
SUGAR MAPLE	283	116	3,487	3.9	36	0.5	1.1
SPRUCE	382	20	3,572	4.0	37	0.5	1.1
DEAD WHITE ASH	136	89	2,489	2.8	26	0.3	0.7
AM. BEECH	3	22	14	0.0	0	0.0	0.0
MISC	46	40	548	0.6	6	0.1	0.2
WHITE PINE	93	3	1,242	1.4	13	0.2	0.4
TOTALS	6,118	1,551	88,880	100	917	12.2	28.0

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 1,860

Comments:

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 1,2,3,4,5,6,7,8,9
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/17/2015
 ACRES 97

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	1	0	0	0	0	0	0	0	0	0			1
12"	102	131	59	30	84	23	17	20	1	1			468
14"	258	259	84	112	102	44	33	28	14	6			940
16"	183	82	81	75	31	31	18	18	6	3			528
18"	111	19	67	38	30	19	19	11	3	1			318
20"	64	5	65	14	6	9	5	1	1	3			173
22"	28	1	44	0	5	4	4	1	1	1			89
24"	11	0	17	2	0	3	0	0	1	0			34
26"	5	0	13	1	0	1	0	0	0	0			20
28"	2	0	5	0	0	0	1	0	0	0			8
30"	0	0	1	0	0	0	0	0	0	0			1
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	765	497	436	272	258	134	97	79	27	15	0	0	2,580

Sawtimber Volume (bdf.)													
10"	20	0	0	0	0	0	0	0	0	0			20
12"	4,204	5,694	2,678	1,404	4,032	1,002	662	960	52	0			20,688
14"	19,840	22,952	7,079	8,724	11,392	3,269	2,078	2,767	942	428			79,471
16"	18,719	10,820	9,766	7,992	5,597	3,306	1,709	2,580	668	324			61,481
18"	15,311	3,053	11,548	5,649	7,416	2,575	2,514	2,339	223	127			50,755
20"	11,174	1,206	14,208	2,413	1,913	1,575	1,156	278	103	347			34,373
22"	6,050	199	11,193	0	2,033	570	608	347	296	114			21,410
24"	2,725	0	4,141	382	0	953	0	0	362	0			8,563
26"	1,023	0	4,104	287	0	305	0	0	0	0			5,719
28"	412	0	2,297	0	0	0	375	0	0	0			3,084
30"	0	0	780	0	0	0	0	0	0	0			780
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	79,478	43,924	67,794	26,851	32,383	13,555	9,102	9,271	2,646	1,340	0	0	286,344

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	626	72	278	196	21	126	55	36	16	29	4		1,459
8"	781	341	266	209	84	128	142	74	9	24	27		2,085
10"	641	617	139	143	189	91	142	48	0	18	36		2,064
12"	402	505	62	72	192	37	60	32	0	10	29		1,401
14"	145	101	18	23	102	10	2	25	0	3	0		429
16"	75	12	13	13	40	5	1	8	0	2	0		169
18"	20	4	5	4	11	2	0	1	0	0	0		47
20" +	8	1	2	0	3	0	0	1	0	0	0		15
Total	2,698	1,653	783	660	642	399	402	225	25	86	96	0	7,669

Pulpwood Volume (cuft.)													
6"	427	94	156	194	29	117	125	11	7	12	3		1,175
8"	4,474	2,094	1,334	1,018	529	827	831	299	7	103	200		11,715
10"	8,315	6,688	1,758	1,702	2,344	1,168	1,506	428	0	100	459		24,468
12"	8,548	8,939	1,550	1,448	4,018	736	1,022	612	0	188	580		27,641
14"	4,536	2,623	645	695	2,833	308	51	680	0	73	0		12,446
16"	3,292	443	591	554	1,711	215	37	320	0	71	0		7,233
18"	1,239	213	343	210	686	115	0	62	0	0	0		2,867
20" +	557	79	363	0	258	0	0	76	0	0	0		1,333
Total	31,386	21,172	6,741	5,821	12,408	3,487	3,572	2,489	14	548	1,242	0	88,880

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 1
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/17/2015
 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				
WHITE ASH	82	4	2	310	78	2.1	78
PINE	79	55	0	5,669	103	38.1	1,417
BLACK CHERRY	83	43	5	3,208	75	21.6	802
ASPEN	79	49	6	4,576	93	30.8	1,144
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	6	1	278	46	1.9	70
RED MAPLE	83	13	0	756	58	5.1	189
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	1	0	72	72	0.5	18
TOTALS		171	14	14,869	87	100	3,718

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	36	78	387	7.7	97	1.3	3.0
PINE	103	20	1,580	31.3	395	5.3	12.1
BLACK CHERRY	84	63	1,092	21.6	273	3.6	8.4
RED MAPLE	43	17	576	11.4	144	1.9	4.4
ASPEN	59	4	1,021	20.2	255	3.4	7.8
SUGAR MAPLE	34	10	333	6.6	83	1.1	2.6
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	4	0	48	1.0	12	0.2	0.3
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	2	2	19	0.4	5	0.1	0.1
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	365	194	5,057	100	1,264	16.9	38.7

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 298

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 1
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/17/2015
 ACRES 4

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	0	5	18	5	0	1	4	0	0	0			33
14"	2	34	9	22	0	4	7	0	0	1			79
16"	2	12	10	12	0	1	1	0	0	0			38
18"	0	3	4	5	0	0	1	0	0	0			13
20"	0	1	1	4	0	0	0	0	0	0			6
22"	0	0	1	0	0	0	0	0	0	0			1
24"	0	0	0	0	0	0	0	0	0	0			0
26"	0	0	0	1	0	0	0	0	0	0			1
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	4	55	43	49	0	6	13	0	0	1	0	0	171

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	0	240	759	240	0	32	157	0	0	0			1,428
14"	182	3,114	623	1,592	0	184	405	0	0	72			6,172
16"	128	1,593	962	1,113	0	62	110	0	0	0			3,968
18"	0	561	452	582	0	0	84	0	0	0			1,679
20"	0	161	104	762	0	0	0	0	0	0			1,027
22"	0	0	308	0	0	0	0	0	0	0			308
24"	0	0	0	0	0	0	0	0	0	0			0
26"	0	0	0	287	0	0	0	0	0	0			287
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	310	5,669	3,208	4,576	0	278	756	0	0	72	0	0	14,869

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	71	19	47	14	3	16	0	0	0	1	0		171
8"	28	26	46	21	10	15	0	1	0	1	0		148
10"	7	26	44	12	27	10	0	3	0	2	0		131
12"	5	46	6	10	8	2	0	0	0	0	0		77
14"	3	5	1	2	12	1	0	0	0	0	0		24
16"	0	1	3	0	3	0	0	0	0	0	0		7
18"	0	0	0	1	0	0	0	0	0	0	0		1
20" +	0	0	0	0	0	0	0	0	0	0	0		0
Total	114	123	147	60	63	44	0	4	0	4	0	0	559

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	22	3	16	6	6	25	0	0	0	0	0		78
8"	111	170	206	98	56	101	0	7	0	0	0		749
10"	69	318	581	155	326	134	0	41	0	19	0		1,644
12"	87	903	152	204	168	42	0	0	0	0	0		1,558
14"	97	147	38	60	337	31	0	0	0	0	0		710
16"	0	40	99	0	128	0	0	0	0	0	0		266
18"	0	0	0	53	0	0	0	0	0	0	0		53
20" +	0	0	0	0	0	0	0	0	0	0	0		0
Total	387	1,580	1,092	576	1,021	333	0	48	0	19	0	0	5,057

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 2
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/1/2015
 ACRES 22

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				
WHITE ASH	82	373	83	35,697	96	73.9	1,623
PINE	79	32	0	1,866	58	3.9	85
BLACK CHERRY	83	14	2	2,525	180	5.2	115
ASPEN	79	18	0	1,705	95	3.5	78
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	28	1	2,057	73	4.3	94
RED MAPLE	83	24	6	1,794	75	3.7	82
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	17	6	1,669	98	3.5	76
MISC	79	11	0	994	90	2.1	45
TOTALS		517	98	48,307	93	100	2,198

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	1,145	246	17,831	71.0	810	10.8	24.9
PINE	38	4	380	1.5	17	0.2	0.5
BLACK CHERRY	24	23	261	1.0	12	0.2	0.4
RED MAPLE	225	91	2,208	8.8	100	1.3	3.1
ASPEN	29	1	541	2.2	25	0.3	0.8
SUGAR MAPLE	140	63	1,514	6.0	69	0.9	2.1
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	107	70	2,005	8.0	91	1.2	2.4
AM. BEECH	2	1	11	0.0	0	0.0	0.0
MISC	32	33	378	1.5	17	0.2	0.5
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	1,742	532	25,129	100	1,141	15.2	34.7

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 404

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 2
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/1/2015
 ACRES 22

Sawtimber Trees												
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC		Total
10"	1	0	0	0	0	0	0	0	0	0		1
12"	65	16	2	1	0	7	8	0	1	1		101
14"	135	16	3	5	0	10	8	0	10	3		190
16"	87	0	3	6	0	7	4	0	1	2		110
18"	48	0	2	5	0	3	3	0	2	1		64
20"	20	0	2	0	0	0	0	0	1	3		26
22"	14	0	2	0	0	1	0	0	1	1		19
24"	3	0	0	1	0	0	0	0	1	0		5
26"	0	0	0	0	0	0	0	0	0	0		0
28"	0	0	0	0	0	0	1	0	0	0		1
30"	0	0	0	0	0	0	0	0	0	0		0
32"	0	0	0	0	0	0	0	0	0	0		0
34"	0	0	0	0	0	0	0	0	0	0		0
36"	0	0	0	0	0	0	0	0	0	0		0
38"	0	0	0	0	0	0	0	0	0	0		0
40" +	0	0	0	0	0	0	0	0	0	0		0
Total	373	32	14	18	0	28	24	0	17	11	0	517
Sawtimber Volume (bdf.)												
10"	20	0	0	0	0	0	0	0	0	0		20
12"	2,640	588	110	30	0	262	293	0	52	0		3,975
14"	10,212	1,278	178	380	0	659	574	0	630	212		14,123
16"	9,070	0	592	537	0	666	242	0	143	194		11,444
18"	6,301	0	386	619	0	350	310	0	83	127		8,176
20"	3,523	0	739	0	0	0	0	0	103	347		4,712
22"	3,056	0	520	0	0	120	0	0	296	114		4,106
24"	875	0	0	139	0	0	0	0	362	0		1,376
26"	0	0	0	0	0	0	0	0	0	0		0
28"	0	0	0	0	0	0	375	0	0	0		375
30"	0	0	0	0	0	0	0	0	0	0		0
32"	0	0	0	0	0	0	0	0	0	0		0
34"	0	0	0	0	0	0	0	0	0	0		0
36"	0	0	0	0	0	0	0	0	0	0		0
38"	0	0	0	0	0	0	0	0	0	0		0
40" +	0	0	0	0	0	0	0	0	0	0		0
Total	35,697	1,866	2,525	1,705	0	2,057	1,794	0	1,669	994	0	48,307
Pulpwood Trees												
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE	Total
6"	220	5	17	109	5	69	0	31	2	26	0	484
8"	395	9	20	110	4	66	0	58	1	16	0	679
10"	399	23	8	66	8	52	0	31	0	12	0	599
12"	238	4	1	21	6	12	0	28	0	6	0	316
14"	89	1	1	7	3	3	0	20	0	3	0	127
16"	42	0	0	3	3	1	0	7	0	2	0	58
18"	6	0	0	0	1	0	0	1	0	0	0	8
20" +	2	0	0	0	0	0	0	1	0	0	0	3
Total	1,391	42	47	316	30	203	0	177	3	65	0	2,274
Pulpwood Volume (cuft.)												
6"	219	9	6	129	12	68	0	8	3	12	0	467
8"	2,272	55	92	558	28	421	0	243	7	73	0	3,749
10"	5,193	223	99	774	100	658	0	276	0	48	0	7,372
12"	5,050	68	25	408	126	231	0	547	0	101	0	6,556
14"	2,722	26	38	212	84	92	0	518	0	73	0	3,765
16"	1,829	0	0	128	128	43	0	274	0	71	0	2,474
18"	372	0	0	0	62	0	0	62	0	0	0	496
20" +	175	0	0	0	0	0	0	76	0	0	0	251
Total	17,831	380	261	2,208	541	1,514	0	2,005	11	378	0	25,129

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 3
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 13

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				
WHITE ASH	82	130	7	11,880	91	27.5	914
PINE	79	229	2	19,067	83	44.2	1,467
BLACK CHERRY	83	80	7	10,080	126	23.4	775
ASPEN	79	1	0	72	72	0.2	6
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	0	0	0	0	0.0	0
RED MAPLE	83	12	1	1,082	90	2.5	83
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	10	1	977	98	2.3	75
MISC	79	0	0	0	0	0.0	0
TOTALS		462	18	43,158	93	100	3,320

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	419	226	5,313	30.4	409	5.4	12.5
PINE	765	26	9,668	55.4	744	9.9	22.8
BLACK CHERRY	115	107	1,304	7.5	100	1.3	3.1
RED MAPLE	51	20	607	3.5	47	0.6	1.4
ASPEN	1	0	43	0.2	3	0.0	0.1
SUGAR MAPLE	6	4	53	0.3	4	0.1	0.1
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	24	19	428	2.5	33	0.4	0.9
AM. BEECH	1	21	3	0.0	0	0.0	0.0
MISC	2	3	45	0.3	3	0.0	0.1
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	1,384	426	17,465	100	1,343	17.9	41.1

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 424

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 3
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 13

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	27	74	13	0	0	0	3	0	0	0			117
14"	51	106	20	1	0	0	3	0	4	0			185
16"	29	38	11	0	0	0	3	0	5	0			86
18"	12	6	12	0	0	0	3	0	1	0			34
20"	4	4	8	0	0	0	0	0	0	0			16
22"	2	1	9	0	0	0	0	0	0	0			12
24"	2	0	3	0	0	0	0	0	0	0			5
26"	2	0	4	0	0	0	0	0	0	0			6
28"	1	0	0	0	0	0	0	0	0	0			1
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	130	229	80	1	0	0	12	0	10	0	0	0	462

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	1,104	3,156	610	0	0	0	123	0	0	0			4,993
14"	3,918	9,017	1,688	72	0	0	178	0	312	0			15,185
16"	3,066	4,904	1,187	0	0	0	362	0	525	0			10,044
18"	1,645	746	1,727	0	0	0	419	0	140	0			4,677
20"	830	1,045	1,543	0	0	0	0	0	0	0			3,418
22"	342	199	1,608	0	0	0	0	0	0	0			2,149
24"	413	0	575	0	0	0	0	0	0	0			988
26"	356	0	1,142	0	0	0	0	0	0	0			1,498
28"	206	0	0	0	0	0	0	0	0	0			206
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	11,880	19,067	10,080	72	0	0	1,082	0	977	0	0	0	43,158

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	217	29	96	23	0	4	0	5	14	1	0		389
8"	219	176	87	21	0	4	0	14	8	1	0		530
10"	130	312	24	16	0	2	0	14	0	1	0		499
12"	48	212	10	7	0	0	0	4	0	2	0		283
14"	14	52	3	3	0	0	0	5	0	0	0		77
16"	13	9	1	1	1	0	0	1	0	0	0		26
18"	4	1	1	0	0	0	0	0	0	0	0		6
20" +	0	0	0	0	0	0	0	0	0	0	0		0
Total	645	791	222	71	1	10	0	43	22	5	0	0	1,810

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	108	31	38	15	0	3	0	3	3	0	0		202
8"	1,264	1,032	468	123	0	23	0	42	0	0	0		2,952
10"	1,685	3,308	312	193	0	27	0	110	0	0	0		5,636
12"	1,006	3,610	254	143	0	0	0	66	0	45	0		5,123
14"	454	1,307	114	91	0	0	0	162	0	0	0		2,127
16"	549	330	49	43	43	0	0	46	0	0	0		1,059
18"	248	50	69	0	0	0	0	0	0	0	0		367
20" +	0	0	0	0	0	0	0	0	0	0	0		0
Total	5,313	9,668	1,304	607	43	53	0	428	3	45	0	0	17,465

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 4
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/1/2015
 ACRES 6

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				
WHITE ASH	82	15	5	1,885	126	12.8	314
PINE	79	18	0	2,085	116	14.1	348
BLACK CHERRY	83	18	3	2,016	112	13.7	336
ASPEN	79	61	1	6,697	110	45.4	1,116
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	5	1	380	76	2.6	63
RED MAPLE	83	11	2	1,630	148	11.0	272
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	1	0	72	72	0.5	12
TOTALS		129	12	14,765	114	100	2,461

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	64	31	994	17.6	166	2.2	5.1
PINE	3	0	32	0.6	5	0.1	0.2
BLACK CHERRY	29	26	375	6.6	63	0.8	1.9
RED MAPLE	47	21	643	11.4	107	1.4	3.3
ASPEN	140	5	3,188	56.3	531	7.1	16.3
SUGAR MAPLE	33	22	400	7.1	67	0.9	2.0
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	0	0	0	0.0	0	0.0	0.0
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	2	0	28	0.5	5	0.1	0.1
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	318	105	5,659	100	944	12.6	28.9

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 304

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 4
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/1/2015
 ACRES 6

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	0	3	4	3	0	0	0	0	0	0			10
14"	4	12	2	21	0	2	1	0	0	1			43
16"	3	3	6	23	0	0	1	0	0	0			36
18"	6	0	0	10	0	2	5	0	0	0			23
20"	2	0	3	4	0	1	2	0	0	0			12
22"	0	0	2	0	0	0	2	0	0	0			4
24"	0	0	1	0	0	0	0	0	0	0			1
26"	0	0	0	0	0	0	0	0	0	0			0
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	15	18	18	61	0	5	11	0	0	1	0	0	129

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	0	144	157	144	0	0	0	0	0	0			445
14"	248	1,405	156	1,699	0	121	49	0	0	72			3,750
16"	355	536	724	2,522	0	0	66	0	0	0			4,203
18"	1,076	0	0	1,765	0	160	670	0	0	0			3,671
20"	206	0	454	567	0	99	493	0	0	0			1,819
22"	0	0	256	0	0	0	352	0	0	0			608
24"	0	0	269	0	0	0	0	0	0	0			269
26"	0	0	0	0	0	0	0	0	0	0			0
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	1,885	2,085	2,016	6,697	0	380	1,630	0	0	72	0	0	14,765

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	32	0	23	13	2	20	0	0	0	0	0		90
8"	31	0	13	21	17	16	0	0	0	1	0		99
10"	8	3	12	19	32	13	0	0	0	0	0		87
12"	15	0	7	13	51	6	0	0	0	1	0		93
14"	5	0	0	1	23	0	0	0	0	0	0		29
16"	2	0	0	1	16	0	0	0	0	0	0		19
18"	2	0	0	0	3	0	0	0	0	0	0		5
20" +	0	0	0	0	1	0	0	0	0	0	0		1
Total	95	3	55	68	145	55	0	0	0	2	0	0	423

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	19	0	13	6	0	6	0	0	0	0	0		44
8"	181	0	71	80	104	94	0	0	0	6	0		535
10"	110	32	113	219	389	175	0	0	0	0	0		1,038
12"	306	0	178	265	1,073	126	0	0	0	22	0		1,970
14"	162	0	0	30	645	0	0	0	0	0	0		837
16"	91	0	0	43	684	0	0	0	0	0	0		818
18"	124	0	0	0	187	0	0	0	0	0	0		311
20" +	0	0	0	0	105	0	0	0	0	0	0		105
Total	994	32	375	643	3,188	400	0	0	0	28	0	0	5,659

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 5
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 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				
WHITE ASH	82	119	18	13,103	110	66.0	1,638
PINE	79	0	0	0	0	0.0	0
BLACK CHERRY	83	39	6	4,092	105	20.6	512
ASPEN	79	24	0	2,223	93	11.2	278
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	0	0	0	0	0.0	0
RED MAPLE	83	3	0	423	141	2.1	53
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	0	0	0	0	0.0	0
TOTALS		185	24	19,841	107	100	2,481

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	244	54	4,756	56.3	594	7.9	18.2
PINE	0	0	0	0.0	0	0.0	0.0
BLACK CHERRY	77	55	1,340	15.9	168	2.2	5.1
RED MAPLE	26	21	612	7.2	76	1.0	2.3
ASPEN	84	7	1,635	19.4	204	2.7	6.3
SUGAR MAPLE	10	12	102	1.2	13	0.2	0.4
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	0	0	0	0.0	0	0.0	0.0
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	0	0	0	0.0	0	0.0	0.0
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	441	149	8,444	100	1,055	14.1	32.4

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 229

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 5
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 8

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	2	0	4	5	0	0	0	0	0	0			11
14"	43	0	9	12	0	0	1	0	0	0			65
16"	29	0	12	3	0	0	0	0	0	0			44
18"	21	0	6	3	0	0	0	0	0	0			30
20"	18	0	3	0	0	0	1	0	0	0			22
22"	3	0	2	0	0	0	1	0	0	0			6
24"	1	0	2	1	0	0	0	0	0	0			4
26"	1	0	1	0	0	0	0	0	0	0			2
28"	1	0	0	0	0	0	0	0	0	0			1
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	119	0	39	24	0	0	3	0	0	0	0	0	185

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	104	0	178	240	0	0	0	0	0	0			522
14"	3,376	0	677	912	0	0	49	0	0	0			5,014
16"	2,570	0	1,171	357	0	0	0	0	0	0			4,098
18"	2,917	0	838	471	0	0	0	0	0	0			4,226
20"	2,964	0	388	0	0	0	246	0	0	0			3,598
22"	638	0	352	0	0	0	128	0	0	0			1,118
24"	150	0	306	243	0	0	0	0	0	0			699
26"	178	0	182	0	0	0	0	0	0	0			360
28"	206	0	0	0	0	0	0	0	0	0			206
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	13,103	0	4,092	2,223	0	0	423	0	0	0	0	0	19,841

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	52	0	39	15	2	11	0	0	0	0	0		119
8"	66	0	45	12	15	9	0	0	0	0	0		147
10"	64	0	19	5	19	1	0	0	0	0	0		108
12"	73	0	18	5	33	0	0	0	0	0	0		129
14"	22	0	6	3	20	1	0	0	0	0	0		52
16"	11	0	3	4	2	0	0	0	0	0	0		20
18"	5	0	2	3	0	0	0	0	0	0	0		10
20" +	5	0	0	0	0	0	0	0	0	0	0		5
Total	298	0	132	47	91	22	0	0	0	0	0	0	590

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	28	0	22	3	0	3	0	0	0	0	0		56
8"	410	0	199	37	77	55	0	0	0	0	0		776
10"	815	0	213	52	238	13	0	0	0	0	0		1,331
12"	1,596	0	432	102	673	0	0	0	0	0	0		2,803
14"	713	0	190	91	561	31	0	0	0	0	0		1,585
16"	503	0	148	170	86	0	0	0	0	0	0		907
18"	310	0	137	158	0	0	0	0	0	0	0		604
20" +	382	0	0	0	0	0	0	0	0	0	0		382
Total	4,756	0	1,340	612	1,635	102	0	0	0	0	0	0	8,444

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 6
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 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				
WHITE ASH	82	54	5	7,288	135	32.6	1,041
PINE	79	2	0	286	143	1.3	41
BLACK CHERRY	83	37	1	5,021	136	22.4	717
ASPEN	79	30	1	3,108	104	13.9	444
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	5	0	602	120	2.7	86
RED MAPLE	83	15	1	1,127	75	5.0	161
WHITE PINE	79	33	0	4,957	150	22.1	708
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	0	0	0	0	0.0	0
TOTALS		176	8	22,389	127	100	3,198

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	52	14	718	13.8	103	1.4	3.1
PINE	21	0	354	6.8	51	0.7	1.6
BLACK CHERRY	44	14	854	16.4	122	1.6	3.7
RED MAPLE	47	9	639	12.3	91	1.2	2.8
ASPEN	77	0	1,840	35.4	263	3.5	8.1
SUGAR MAPLE	17	3	159	3.1	23	0.3	0.7
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	0	0	0	0.0	0	0.0	0.0
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	5	1	53	1.0	8	0.1	0.2
WHITE PINE	45	1	580	11.2	83	1.1	2.5
TOTALS	308	42	5,197	100	744	9.9	22.8

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 171

Comments:
Clear Cut

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 6
 COUNTY Erie
 TOWNSHIP Greenfield

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 7

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	5	0	4	0	0	1	2	4	0	0			16
14"	7	1	4	10	0	0	6	9	0	0			37
16"	14	1	10	11	0	2	4	10	0	0			52
18"	8	0	9	7	0	1	2	8	0	0			35
20"	12	0	6	2	0	0	1	1	0	0			22
22"	4	0	2	0	0	0	0	1	0	0			7
24"	2	0	1	0	0	1	0	0	0	0			4
26"	2	0	1	0	0	0	0	0	0	0			3
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	54	2	37	30	0	5	15	33	0	0	0	0	176

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	220	0	178	0	0	51	89	192	0	0			730
14"	594	96	258	692	0	0	356	833	0	0			2,829
16"	1,575	190	1,038	1,160	0	162	352	1,513	0	0			5,990
18"	935	0	1,264	934	0	135	226	1,794	0	0			5,288
20"	2,208	0	1,070	322	0	0	104	278	0	0			3,982
22"	854	0	616	0	0	0	0	347	0	0			1,817
24"	413	0	153	0	0	254	0	0	0	0			820
26"	489	0	444	0	0	0	0	0	0	0			933
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	7,288	286	5,021	3,108	0	602	1,127	4,957	0	0	0	0	22,389

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	14	0	22	14	2	5	0	0	0	1	2		60
8"	26	1	18	15	5	13	0	0	0	3	16		97
10"	14	9	7	14	18	1	0	0	0	1	14		78
12"	8	11	3	7	22	0	0	0	0	1	14		66
14"	1	0	3	3	17	0	0	0	0	0	0		24
16"	2	0	3	3	9	1	0	0	0	0	0		18
18"	1	0	1	0	4	0	0	0	0	0	0		6
20" +	0	0	1	0	0	0	0	0	0	0	0		1
Total	66	21	58	56	77	20	0	0	0	6	46	0	350

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	11	0	26	24	6	9	0	0	0	0	3		78
8"	153	7	128	74	35	94	0	0	0	18	119		627
10"	193	117	99	181	226	13	0	0	0	13	178		1,021
12"	175	230	76	143	463	0	0	0	0	22	280		1,388
14"	32	0	114	91	477	0	0	0	0	0	0		714
16"	91	0	148	128	385	43	0	0	0	0	0		795
18"	62	0	69	0	249	0	0	0	0	0	0		380
20" +	0	0	195	0	0	0	0	0	0	0	0		195
Total	718	354	854	639	1,840	159	0	0	0	53	580	0	5,197

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 7
 COUNTY Erie
 TOWNSHIP Venango

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/1/2015
 ACRES 11

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				
WHITE ASH	82	16	0	1,655	103	6.0	150
PINE	79	59	0	4,470	76	16.3	406
BLACK CHERRY	83	31	2	3,105	100	11.3	282
ASPEN	79	5	1	337	67	1.2	31
SPRUCE	79	108	0	13,468	125	49.2	1,224
SUGAR MAPLE	81	0	0	0	0	0.0	0
RED MAPLE	83	1	0	49	49	0.2	4
WHITE PINE	79	46	0	4,314	94	15.7	392
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	0	0	0	0	0.0	0
TOTALS		266	3	27,398	103	100	2,489

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	18	9	276	4.5	25	0.3	0.8
PINE	216	2	2,954	48.0	269	3.6	8.2
BLACK CHERRY	49	24	763	12.4	69	0.9	2.1
RED MAPLE	2	2	26	0.4	2	0.0	0.1
ASPEN	7	0	108	1.8	10	0.1	0.3
SUGAR MAPLE	2	0	16	0.3	1	0.0	0.0
SPRUCE	142	5	1,347	21.9	122	1.6	3.8
DEAD WHITE ASH	0	0	0	0.0	0	0.0	0.0
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	0	0	0	0.0	0	0.0	0.0
WHITE PINE	48	2	662	10.8	60	0.8	1.8
TOTALS	484	44	6,151	100	558	7.5	17.1

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 14

Comments:
 Thinning

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 7
 COUNTY Erie
 TOWNSHIP Venango

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE 7/1/2015
 ACRES 11

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	1	16	7	2	31	0	0	16	0	0			73
14"	3	37	7	2	47	0	1	19	0	0			116
16"	4	6	6	1	12	0	0	8	0	0			37
18"	3	0	6	0	13	0	0	3	0	0			25
20"	3	0	4	0	4	0	0	0	0	0			11
22"	2	0	1	0	1	0	0	0	0	0			4
24"	0	0	0	0	0	0	0	0	0	0			0
26"	0	0	0	0	0	0	0	0	0	0			0
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	16	59	31	5	108	0	1	46	0	0	0	0	266

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	52	768	301	96	1,488	0	0	768	0	0			3,473
14"	144	2,961	467	144	5,173	0	49	1,934	0	0			10,872
16"	340	741	681	97	2,045	0	0	1,067	0	0			4,971
18"	306	0	940	0	3,130	0	0	545	0	0			4,921
20"	381	0	492	0	1,161	0	0	0	0	0			2,034
22"	432	0	224	0	471	0	0	0	0	0			1,127
24"	0	0	0	0	0	0	0	0	0	0			0
26"	0	0	0	0	0	0	0	0	0	0			0
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	1,655	4,470	3,105	337	13,468	0	49	4,314	0	0	0	0	27,398

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	10	8	22	0	0	0	16	0	0	0	2		58
8"	6	34	20	1	1	2	55	0	0	0	11		130
10"	4	82	17	3	3	0	53	0	0	0	22		184
12"	4	83	10	0	3	0	21	0	0	0	15		136
14"	3	10	2	0	0	0	1	0	0	0	0		16
16"	0	1	2	0	0	0	1	0	0	0	0		4
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	27	218	73	4	7	2	147	0	0	0	50	0	528

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	8	19	22	0	0	0	38	0	0	0	0		87
8"	28	222	85	0	7	16	328	0	0	0	82		767
10"	55	936	227	26	38	0	562	0	0	0	280		2,123
12"	87	1,479	254	0	63	0	358	0	0	0	300		2,541
14"	97	262	76	0	0	0	26	0	0	0	0		461
16"	0	37	99	0	0	0	37	0	0	0	0		172
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	276	2,954	763	26	108	16	1,347	0	0	0	662	0	6,151

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 8
 COUNTY Erie
 TOWNSHIP Venango

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 14

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				
WHITE ASH	82	10	0	1,181	118	2.8	84
PINE	79	102	0	10,481	103	24.4	749
BLACK CHERRY	83	31	0	3,831	124	8.9	274
ASPEN	79	79	1	7,617	96	17.7	544
SPRUCE	79	150	0	18,915	126	44.0	1,351
SUGAR MAPLE	81	0	0	0	0	0.0	0
RED MAPLE	83	7	0	916	131	2.1	65
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	0	0	0	0	0.0	0
TOTALS		379	1	42,941	113	100	3,067

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	22	8	324	2.4	23	0.3	0.7
PINE	446	8	6,199	46.6	443	5.9	13.6
BLACK CHERRY	31	9	637	4.8	45	0.6	1.4
RED MAPLE	27	4	380	2.9	27	0.4	0.8
ASPEN	197	6	3,504	26.3	250	3.3	7.7
SUGAR MAPLE	1	0	8	0.1	1	0.0	0.0
SPRUCE	240	15	2,225	16.7	159	2.1	4.9
DEAD WHITE ASH	0	0	0	0.0	0	0.0	0.0
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	3	0	25	0.2	2	0.0	0.1
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	967	50	13,301	100	950	12.7	29.1

All Spruce are reserved in Block 5.

Total trees less than or equal to 4" dbh to be cut: 16

Comments:
 Thinning

PA GAME COMMISSION TIMBER SALE STAND AND STOCK TABLE

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 8
 COUNTY Erie
 TOWNSHIP Venango

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 14

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	1	17	3	14	53	0	0	0	0	0			88
14"	0	53	13	37	55	0	2	0	0	0			160
16"	3	22	5	16	19	0	3	0	0	0			68
18"	3	10	2	8	17	0	2	0	0	0			42
20"	2	0	5	4	2	0	0	0	0	0			13
22"	1	0	2	0	4	0	0	0	0	0			7
24"	0	0	1	0	0	0	0	0	0	0			1
26"	0	0	0	0	0	0	0	0	0	0			0
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	10	102	31	79	150	0	7	0	0	0	0	0	379

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	32	798	165	654	2,544	0	0	0	0	0			4,193
14"	0	5,081	1,298	3,041	6,219	0	129	0	0	0			15,768
16"	234	2,856	582	1,882	3,552	0	401	0	0	0			9,507
18"	356	1,746	284	1,278	4,286	0	386	0	0	0			8,336
20"	343	0	881	762	752	0	0	0	0	0			2,738
22"	216	0	352	0	1,562	0	0	0	0	0			2,130
24"	0	0	269	0	0	0	0	0	0	0			269
26"	0	0	0	0	0	0	0	0	0	0			0
28"	0	0	0	0	0	0	0	0	0	0			0
30"	0	0	0	0	0	0	0	0	0	0			0
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	1,181	10,481	3,831	7,617	18,915	0	916	0	0	0	0	0	42,941

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	10	10	12	8	7	0	39	0	0	0	0		86
8"	7	95	11	7	31	1	87	0	0	1	0		240
10"	7	162	8	7	75	0	89	0	0	2	0		350
12"	4	149	5	5	61	0	39	0	0	0	0		263
14"	1	33	2	3	19	0	1	0	0	0	0		59
16"	0	1	0	1	5	0	0	0	0	0	0		7
18"	1	3	1	0	3	0	0	0	0	0	0		8
20" +	0	1	1	0	2	0	0	0	0	0	0		4
Total	30	454	40	31	203	1	255	0	0	3	0	0	1,017

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	11	28	13	12	6	0	88	0	0	0	0		157
8"	35	609	71	43	216	8	504	0	0	6	0		1,490
10"	97	1,754	113	90	940	0	944	0	0	19	0		3,958
12"	87	2,648	127	102	1,283	0	664	0	0	0	0		4,912
14"	32	882	76	91	505	0	26	0	0	0	0		1,612
16"	0	37	0	43	214	0	0	0	0	0	0		293
18"	62	162	69	0	187	0	0	0	0	0	0		480
20" +	0	79	168	0	153	0	0	0	0	0	0		399
Total	324	6,199	637	380	3,504	8	2,225	0	0	25	0	0	13,301

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME HIGH BAR WALKABOUT
 BLOCK NO. 9
 COUNTY Erie
 TOWNSHIP Venango

SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 12

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				
WHITE ASH	82	44	7	6,479	147	12.3	540
PINE	79	0	0	0	0	0.0	0
BLACK CHERRY	83	143	3	33,916	237	64.4	2,826
ASPEN	79	5	0	516	103	1.0	43
SPRUCE	79	0	0	0	0	0.0	0
SUGAR MAPLE	81	90	1	10,238	114	19.4	853
RED MAPLE	83	11	2	1,325	120	2.5	110
WHITE PINE	79	0	0	0	0	0.0	0
DEAD WHITE ASH	82	0	0	0	0	0.0	0
MISC	79	2	0	202	101	0.4	17
TOTALS		295	13	52,676	179	100	4,389

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
WHITE ASH	30	2	788	31.8	66	0.9	2.0
PINE	1	0	3	0.1	0	0.0	0.0
BLACK CHERRY	5	4	114	4.6	10	0.1	0.3
RED MAPLE	7	0	131	5.3	11	0.1	0.3
ASPEN	25	0	530	21.4	44	0.6	1.4
SUGAR MAPLE	40	2	901	36.4	75	1.0	2.3
SPRUCE	0	0	0	0.0	0	0.0	0.0
DEAD WHITE ASH	1	0	7	0.3	1	0.0	0.0
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC	0	1	0	0.0	0	0.0	0.0
WHITE PINE	0	0	0	0.0	0	0.0	0.0
TOTALS	109	9	2,474	100	207	2.7	6.3

All Spruce are reserved in Block 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 HIGH BAR WALKABOUT
 BLOCK NO. 9
 COUNTY Erie
 TOWNSHIP Venango

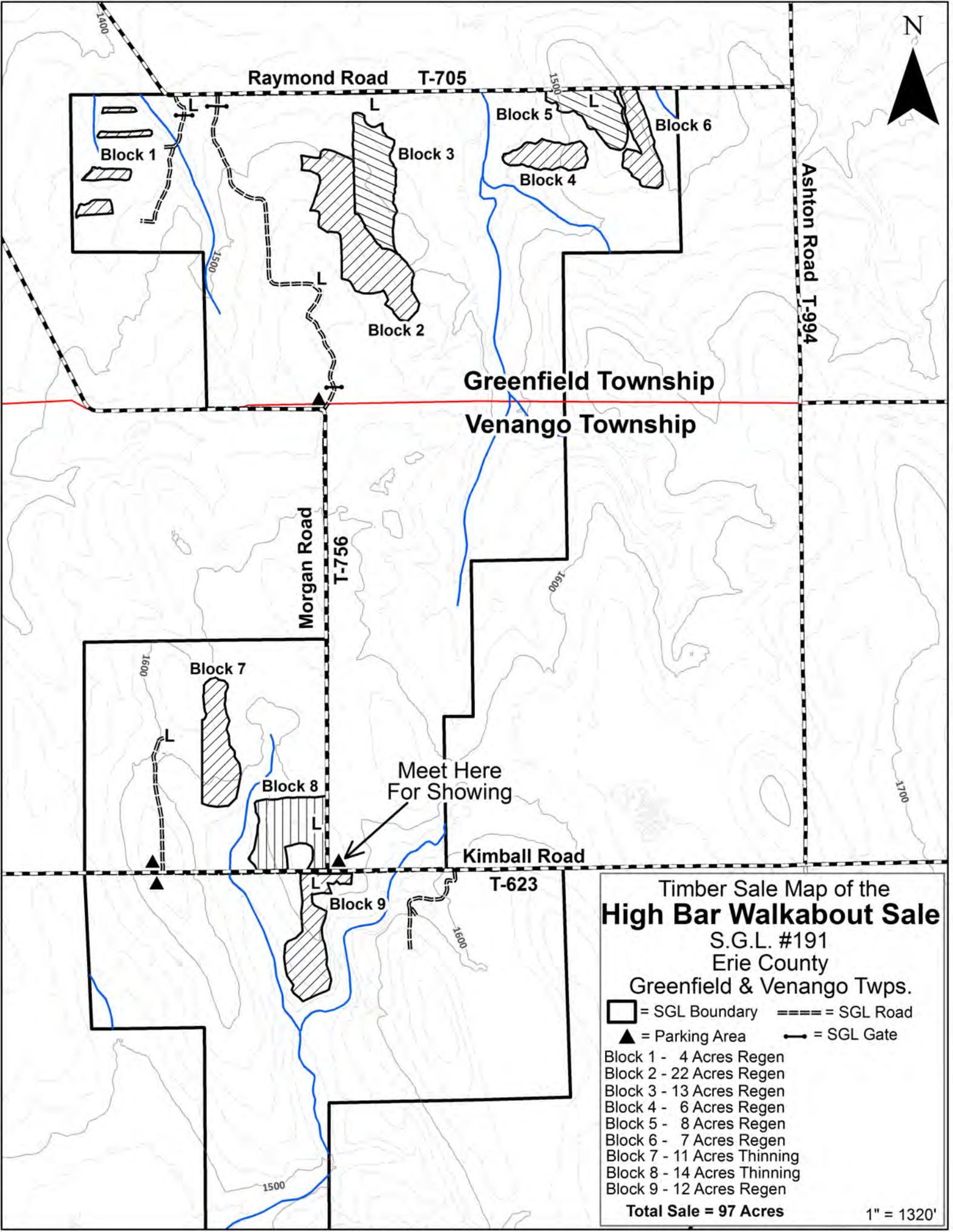
SGL NO. 191
 FORESTER SHANE BRENNEMAN
 DATE _____
 ACRES 12

Sawtimber Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	1	0	4	0	0	14	0	0	0	0			19
14"	13	0	17	2	0	28	4	0	0	1			65
16"	12	0	18	3	0	21	2	0	0	1			57
18"	10	0	26	0	0	13	3	0	0	0			52
20"	3	0	33	0	0	8	1	0	0	0			45
22"	2	0	23	0	0	3	1	0	0	0			29
24"	3	0	9	0	0	2	0	0	0	0			14
26"	0	0	7	0	0	1	0	0	0	0			8
28"	0	0	5	0	0	0	0	0	0	0			5
30"	0	0	1	0	0	0	0	0	0	0			1
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	44	0	143	5	0	90	11	0	0	2	0	0	295

Sawtimber Volume (bdf.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	ASPEN	SPRUCE	SUGAR MAPLE	RED MAPLE	WHITE PINE	DEAD WHITE ASH	MISC			Total
10"	0	0	0	0	0	0	0	0	0	0			0
12"	52	0	220	0	0	657	0	0	0	0			929
14"	1,166	0	1,734	192	0	2,305	289	0	0	72			5,758
16"	1,381	0	2,829	324	0	2,416	176	0	0	130			7,256
18"	1,775	0	5,657	0	0	1,930	419	0	0	0			9,781
20"	719	0	8,537	0	0	1,476	313	0	0	0			11,045
22"	512	0	6,957	0	0	450	128	0	0	0			8,047
24"	874	0	2,569	0	0	699	0	0	0	0			4,142
26"	0	0	2,336	0	0	305	0	0	0	0			2,641
28"	0	0	2,297	0	0	0	0	0	0	0			2,297
30"	0	0	780	0	0	0	0	0	0	0			780
32"	0	0	0	0	0	0	0	0	0	0			0
34"	0	0	0	0	0	0	0	0	0	0			0
36"	0	0	0	0	0	0	0	0	0	0			0
38"	0	0	0	0	0	0	0	0	0	0			0
40" +	0	0	0	0	0	0	0	0	0	0			0
Total	6,479	0	33,916	516	0	10,238	1,325	0	0	202	0	0	52,676

Pulpwood Trees													
SPECIES DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	0	1	0	0	0	1	0	0	0	0	0		2
8"	3	0	6	1	1	2	0	1	0	1	0		15
10"	8	0	0	1	7	12	0	0	0	0	0		28
12"	7	0	2	4	8	17	0	0	0	0	0		38
14"	7	0	0	1	8	5	0	0	0	0	0		21
16"	5	0	1	0	1	3	0	0	0	0	0		10
18"	1	0	0	0	0	2	0	0	0	0	0		3
20" +	1	0	0	0	0	0	0	0	0	0	0		1
Total	32	1	9	7	25	42	0	1	0	1	0	0	118

Pulpwood Volume (cuft.)													
DBH	WHITE ASH	PINE	BLACK CHERRY	RED MAPLE	ASPEN	SUGAR MAPLE	SPRUCE	DEAD WHITE ASH	AM. BEECH	MISC	WHITE PINE		Total
6"	0	3	0	0	0	3	0	0	0	0	0		6
8"	21	0	14	6	7	16	0	7	0	0	0		71
10"	97	0	0	13	88	148	0	0	0	0	0		345
12"	153	0	51	82	168	336	0	0	0	0	0		790
14"	227	0	0	30	224	154	0	0	0	0	0		635
16"	229	0	49	0	43	129	0	0	0	0	0		450
18"	62	0	0	0	0	115	0	0	0	0	0		177
20" +	0	0	0	0	0	0	0	0	0	0	0		0
Total	788	3	114	131	530	901	0	7	0	0	0	0	2,474



Raymond Road T-705

Ashton Road T-994

Morgan Road T-756

Greenfield Township
Venango Township

Kimball Road T-623

Meet Here
For Showing

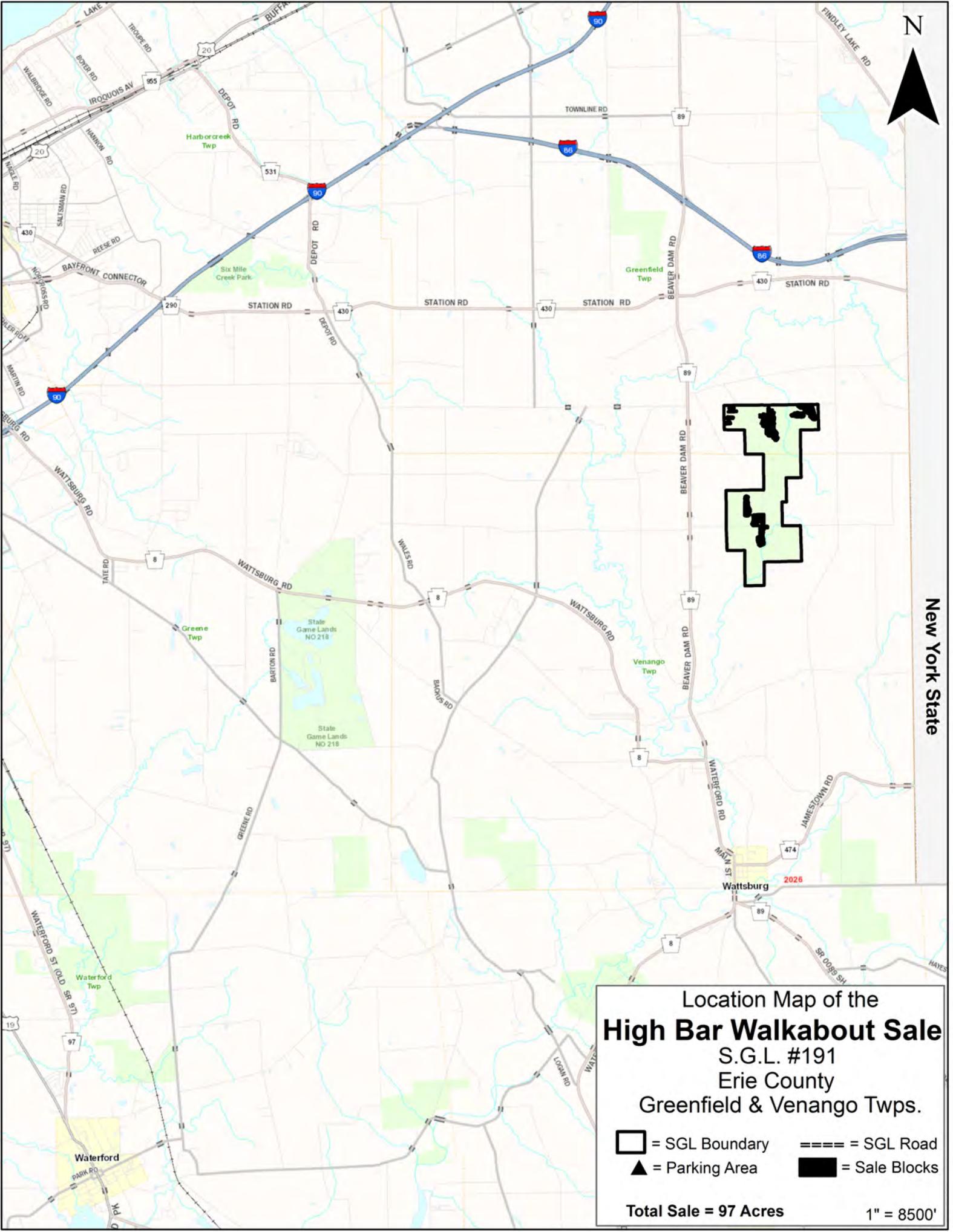
Timber Sale Map of the
High Bar Walkabout Sale
S.G.L. #191
Erie County
Greenfield & Venango Twps.

- = SGL Boundary ===== = SGL Road
- ▲ = Parking Area → = SGL Gate

- Block 1 - 4 Acres Regen
- Block 2 - 22 Acres Regen
- Block 3 - 13 Acres Regen
- Block 4 - 6 Acres Regen
- Block 5 - 8 Acres Regen
- Block 6 - 7 Acres Regen
- Block 7 - 11 Acres Thinning
- Block 8 - 14 Acres Thinning
- Block 9 - 12 Acres Regen

Total Sale = 97 Acres

1" = 1320'



Location Map of the
High Bar Walkabout Sale
 S.G.L. #191
 Erie County
 Greenfield & Venango Twps.

- = SGL Boundary
- ▲ = Parking Area
- ==== = SGL Road
- = Sale Blocks

Total Sale = 97 Acres 1" = 8500'