

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 385,307 board feet of sawlogs located on 244 acres of State Game Lands No. 044, Ridgeway Township, Elk 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 **\$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 15, 2019.**

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

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

Sincerely yours,

(Tax No. or Social Security No.)

Signature of Bidder - Sign In Ink

(Telephone Number)

Print Name

Firm Name

Street Address (Name, Number, Etc.)

City State Zip

BIDS MUST BE SUBMITTED IN AN ENVELOPE THAT CLEARLY STATES ON THE OUTSIDE: **BID PROPOSAL FOR TIMBER SGL #044.** Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, PA 17110-9797, at **2:00 P.M., Monday, July 11, 2016.** The Commission reserves the right to reject any and all bids and to award the contract as deemed to its best interests.

- INSTRUCTIONS TO BIDDERS -

The following information covers details concerning the proposed lump sum sale of an estimated 385,307 board feet of sawlogs located on 244 acres of State Game Lands No. 044, Ridgeway Township, Elk 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 June 17, 2016. Viewers will be met at Keystone True Value, 14 Main Street, Ridgeway, Pa 15853 at 10:00 a.m., and conducted to the sale area.

The timber to be sold will be clearly designated by Gary Glick, 1566 S. RT 44 HWY , Jersey Shore, PA 17740, telephone: 1-570-398-4744 ext 310, 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 #044**. 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, July 11, 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 15, 2019.**

- 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 – 21% - 28 acres
- 2 – 28% - 44 acres
- 3 – 18% - 41 acres
- 4 – 10% - 29 acres
- 5 – 3% - 11 acres
- 6 – 6% - 13 acres
- 7 – 5% - 19 acres
- 8 – 6% - 11 acres
- 9 – 3% - 5 acres

Payment for Block 4 (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 **6** Attached Sheet(s).

SPECIAL PROVISIONS FOR THE "Fly Over TIMBERSALE"

S.G.L. # 044 T.S. # 044-15-01

1) ADMINISTRATIVE ITEMS

- a) This 244 acre sale area contains 9 blocks total. Three thinning blocks concentrating on dead and dying Northern Red Oak and six blocks of linear thinning.
- b) Saw timber volumes in all blocks were determined by a 100% tally. Pulp wood was determined by a 100% tally in blocks 1-4 and by 10 BAF prism plot cruise in blocks 5-9.
- c) Operator is to contact PA One Call (1-800-242-1776) at least 3 days prior to construction of landings, haul roads, skid trails, fire line or other earthmoving activity to identify and locate underground utility lines. Many exist and some are unmarked. Extreme caution will be needed when working in this area. National Fuel Gas has gas lines in this vicinity.
- d) Many old active and inactive gas wells and pipe lines can be found on this Game Lands and in this vicinity. Most belong to National Fuel Gas or Seneca Resources please contact them for specific details and crossing requirements.

National Fuel Gas	Seneca Resource Corp.
Phone: (814)-781-7041	Adam Krug
	Phone: 814-220-1573
- e) **Utilization of the total tree is required.**
- f) No permanent paint may be used by bidders for marking/cruising this timber sale area.

2) BOUNDARIES, BLOCKS, AND CUTTING INSTRUCTIONS

- a) Blocks 1-4 have boundaries marked with double **BLUE** slashes. Block lines with single **Blue** slashes. All **BLUE** marked trees are reserved. **Blue** block numbers face into blocks. All **Yellow** marked trees are to be cut regardless of whether or not it falls within the sale boundary.
- b) Blocks 5-9 all yellow marked trees are to be cut. These trees are marked approximately in 100 ft swaths from a centerline skid trail. 100 ft swath may be marked on one or both sides of the **Orange** marked centerline.
- c) **All snags or hazard trees as determined by the regional forester within 100 ft. of both sides of the marked Orange centerline in all blocks must be felled. Any snag or hazard tree deemed too great of a safety risk to the operator may be left standing.**
- d) No slash, tops, butts, or other debris will be permitted to be left within 50ft of the Orange marked centerline.
- e) No slash will be permitted to be left within 5 ft of the bowl of any residual tree on all blocks.
- f) Any trees on this sale area considered hazard trees by the operator may be felled for safety reasons. The regional forester will be notified of any hazard trees that are felled.
- g) Game Lands boundary, roads, pipelines, herbaceous openings and spring runs are to be kept free of tops. Tops and slash will be kept back 10 feet from the ditch line of all roads and pipelines.
- h) All work in a block must be completed and approved before operations can start in another block.
- i) Stump height will not exceed the diameter of the tree or 12" maximum height.
- j) 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 if possible to minimize short ends at the landings.
- k) Extra caution should be taken to avoid felling damage or skidding damage to reserved trees.
- l) No fuel woodcutting by individuals other than the operator and his employees will be permitted.

3) US / STATE / LOCAL ROADS

- a) US route 219 is anticipated to be used near the sale location for some blocks and restrictions are unknown. PennDot contact information provided below:
PennDot
Pete Kempf
Senior Civil Engineer Supervisor (Road Bonding)
(814) 765-0495
<http://www.papostedroads.pa.gov/>
- b) State Routes 949 will need to be utilized near the sale location and it has a 10 ton weight restriction and will require bonding. More information can be found by contacting PennDot, contact information provided below:
PennDot
Pete Kempf
Senior Civil Engineer Supervisor (Road Bonding)
(814) 765-0495
<http://www.papostedroads.pa.gov/>
- c) German Settlement road is an optional use road and contains a weight restriction and will likely require bonding if utilized. Ridgway township contact info is:
Ridgway Township
1537 – A Montmorenci Rd.
Ridgway, PA 15853
Phone: (814) 773 – 5625
Fax: (814) 772 – 4016
Email: rwytwp@windstream.net

4) ROADS TO BUILD / IMPROVE

No roads will be necessary to maintain build or improve unless the optional access off of German Settlement Rd. is chosen to be utilized by the operator. If this road is utilized the following will be required.

- a) Road to Maintain
1. All haul roads used by operator will be suitably drained and crowned (2% - 6% slope) with a road grader or dozer with a 6 way blade at conclusion of sale or if the roads are in poor condition and the sale is going to be left idle for any length of time. (see attached map for locations)
 - a. Section "A-E" ≈ 5,000 ft
 2. A stone rake will also be required following grading operations. All road edges including breams will be graded to a contour that allows for the sheet flow of water from the driving surface to an area where it can infiltrate naturally or a ditch if necessary as determined by the regional forester.
 3. If suitable stone is not found on site, the buyer must supply his own approved stone from another source. The "Minimum" sub base amount does not include stoning landings or pipeline crossings. To properly fix roads and stone landing sites, considerably more sub-base could be required.

b) Road to Improve

Prior to the sale being closed out all specified road work will be completed and approved by the regional forester. Stone Requirements – all values listed are estimates considerably more stone could be necessary depending on road conditions and operator care. All stone requirements assume a 12 ft wide roadway with ≈ a 10 ft wide driving surface once completed.

1. Section "B-C" will be improved by applying 120 tons of sub-base over the problem culvert location.

Summary Totals for Optional Use Road

- 120 tons of additional sub-base

c) Culverts

Prior to the sale being closed out all specified road work will be completed and approved by the regional forester. All newly installed culverts will be trenched with an excavator or backhoe and fill packed around the pipe. Newly installed culverts will also be properly set at correct angles to promote optimal drainage and covered by a minimum of 12 inches of sub-base. Outlets will be placed at the natural elevation of the land and have a minimum of ¼ inch and a maximum of ¾ in of drop / foot and have head walls and end walls constructed of stone or approved material. Old culverts will be removed from the site and properly disposed of.

d) Broad base dips

Broad based dips will be installed according BMP's. These will be installed at locations specified by the regional forester if they are felt necessary.

e) Tail drains and turnouts will be added or cleaned at the discretion of the regional forester.

f) Ditches and other drainage structures must be opened and re-established where needed. The road must be crowned to drain all water into the ditches and culverts.

5) LANDINGS

- a) The exiting parking SGL parking area along SR 949 will serve as the landing location. The size can be adjusted to best accommodate the operator. 750 tons of approved stone will be needed in the landing area. The operator is responsible for any additional material that is required.
- b) 46 tons of 3A limestone will be required to be placed on the entrance of the landing to SR 949.
- c) All bark, logging debris, and cull portions of the trees will be removed from the landings at conclusion of use or any time specified by the regional forester. This debris must be removed from the site. It cannot be spread thru the woods. **There is a local vendor that is interested in the logging debris that is needed to be removed. The name and contact info will be given upon request.**
- d) At the conclusion of the sale, all landings are to be leveled, cleared of debris, and seeded according to specifications outlined below.

Summary Totals

- 750 tons sub-base
- 46 tons 3A limestone

7) SKIDDING

- a) Designated skid trails around the perimeter of the project have a centerline marked with orange paint. These skid trails will become permanent firebreaks. The skid trails will be seeded according to specifications outlined in Section 6 below.
- b) Skid trails will be designated by the Regional Forester. Remove slash and tops, and cut stumps low. Final condition of skid trails and firebreaks will be left to the discretion of the Regional Forester or designee on the ground.
- c) Timber mat bridges will be necessary to cross any spring seeps. The number necessary may vary depending on season and conditions.
- d) **One new culvert will be installed at the location on the skid trail specified by the regional forester. This culvert will be at least double walled smooth bore plastic and be a minimum of 18 inches in diameter and 20 feet in length. Approximate location is shown on attached map but specific location will be determined by the regional forester. Culvert will be installed according to the specifications listed in Section 4C.**

- e) **Two timber mat bridges a minimum of 3 ft wide by 20 ft in length or one 8 ft wide * 20 ft in length minimum will be required to be left on site at the conclusion of the sale at the location specified by the regional forester.**
- f) No skidding will be allowed through streams, islands or across unprotected pipelines.
- g) Tops and debris must be kept out of all spring seeps and islands, and off roads, trails, power lines, herbaceous openings and meet the requirements outlined in section 2.
- h) Skidders are to be kept off of haul roads as much as possible.
- i) 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.
- j) If skid trails are to sit idle for one month or more they are to have water bars added.
- k) Major skid trails and areas at risk for erosion as determined by the regional forester will be graded and seeded according the below listed seeding requirements upon completion of harvesting operations.
- l) Main skid trails are to be leveled, open and have water bars added at the conclusion of the sale.
- m) Skid trails will need to follow BMP's. Skid trails will following the orange painted trail in all blocks. Additional trails and locations will be at the discretion of the operator but must be approved by the regional forester.

Summary Totals

- 1 Culverts 18 inch diameter * 20 ft in length minimum
- 2 timber mat bridges 3 ft * 20ft length minimum or 1 timber mat bridge 8 ft * 20ft

8) SEEDING OF ROADWAYS AND LANDINGS

- a) At conclusion of sale all areas to be seeded will be properly graded with a grader or a dozer with a six way blade and stone raked to clear all rocks 4" and larger. Seeding will include landings, and major skid trails. Fertilizer, Mulch and Lime will only be required on the landing area around the parking lot. The part of the landing that will be stoned does not need to be seeded but the surrounding disturbed areas will be. All seeding will be according to the following:

Exact seed mixture and specifications will be required. No substitutions of other seed mixtures will be allowed.

SEED: 5 lbs CRIMSON clover /acre
 5 lbs ladino or white clover /acre
 50 lbs oats or wheat (seasonal) /acre

FERTILIZER: 500 LBS/ACRE OF 10-20-20
 LIME: 2 ton/acre of **pulverized agricultural limestone**
 MULCH: 2 ton/acre straw – no paper mulch

SEEDING DATES: Spring - up to June 15th
 Fall – August 1st to September 15.

NOTE: These are per acre rates. Total acres disturbed through logging will be determined at conclusion of sale. **This area should not exceed 7 acres.** Receipts for lime, fertilizer and seeding materials must be provided to the Regional Forester.

- b) Road Section – "D-E" ≈ 3,000 ft will be required to be seeded at the conclusion of the sale **if it is utilized** by the operator.
- c) **60 tons of 2A lime stone** will be applied and spread on the SGL parking lot (landing location) along SR 949 at completion of the sale. GPS coordinates N 41.39194 W078.77004.

- d) Skid trails will be graded and seeded according the below listed seeding requirements upon completion of harvesting operations.
- e) All landings will be required to be seeded at the conclusion of this sale, except for parking area along PA 949.
- f) The regional forester is to be notified prior to the application of lime, seed, fertilizer, and mulch.
- g) Guaranteed catch of cover must be obtained to the satisfaction of the regional forester before the bond will be released.

9) OPERATIONS AND NON-WORK DAYS

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

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

- b) The contractor, employees, and sub-contractors may not hunt to, from, or at the job site when the work location is beyond a gated road that is closed to public traffic. The contractor may travel to and from the work location on no-work days to check on the condition of equipment.
- c) ***Except on Sundays, it is unlawful to be present on State Game Lands from November 15 through December 15 inclusive when not engaged in lawful hunting or trapping and fail to wear a minimum of 250 square inches of daylight fluorescent-orange material on the head, chest, and back combined, or in lieu thereof, a hat of the same colored material. The material shall be worn so it is visible in a 360-degree arc.***

10) MISCELLANEOUS

- a) Operator must comply with the erosion and sedimentation control plan for the area.
- b) All woods operations are to proceed at the same time.
- c) Operator will supply all employees working on this site with a map and copy of the sale provisions.
- d) Operator is to use gated game lands access roads for logging purposes only.
- e) *Violation of contract provisions by the operator may subject the operator or its employees or contractors to fine based on Title 58 regulations*

11) FORESTER CONTACT INFOMARTION

Forester	Regional Forester
Travis Weinzierl	Gary Glick
(814) 335-6470	(570) 398-4744

Please feel free to call with any questions or concerns.

12) 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 it possession.

PA GAME COMMISSION TIMBER SALE BLOCK SUMMARY

SALE NAME Fly Over
 BLOCK NO. 1,2,3,4,5,6,7,8,9
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 9/14/2015
 ACRES 201

Species		N. RED OAK	DEAD OAK	RED MAPLE	YELLOW-POPLAR	CUCUMBER	BIRCH	CHESTNUT OAK	AM. BEECH	BLACK CHERRY	MISC HW	MISC SW		Totals
Form Class		83	83	83	81	81	82	80	84	83	79	78		
Block No.	Acres	<i>Board Foot Volume - Girard & Mesavage Scribner Rule</i>												
1	28	54,774	10,562	8,821	696	353	1,302	525	0	1,131	986	933		80,083
2	44	58,205	17,536	16,390	10,310	961	646	781	0	1,153	0	48		106,030
3	41	38,600	12,116	11,372	1,867	2,509	1,808	1,813	414	121	190	0		70,810
4	29	4,423	0	19,654	1,488	2,830	6,574	74	3,647	0	270	0		38,960
5	11	4,738	0	5,049	0	0	162	150	325	894	473	0		11,791
6	13	175	0	13,608	584	945	4,618	2,013	959	480	553	0		23,935
7	19	3,354	0	9,520	272	2,943	1,134	816	1,659	89	96	0		19,883
8	11	0	0	15,993	0	0	1,187	0	2,861	1,016	360	0		21,417
9	5	6,123	0	4,610	0	368	78	598	56	294	0	271		12,398
Totals	201	170,392	40,214	105,017	15,217	10,909	17,509	6,770	9,921	5,178	2,928	1,252		385,307
No. of Trees		735	187	1,319	42	86	278	72	125	44	24	24		2,936
AVG. Bd.ft./Tree		232	215	80	362	127	63	94	79	118	122	52		131
No. of Culls		4	0	9	1	1	2	1	1	0	1	0		20

<i>Pulpwood Volume</i>					
Block No.	Acres	Cords/ Acre	Tons/ Acre	Total Cords	Total Tons
1	28	2	4	44	102
2	44	1	3	53	121
3	41	3	8	137	316
4	29	10	23	285	656
5	11	9	20	98	225
6	13	11	26	149	343
7	19	11	26	216	498
8	11	13	29	139	319
9	5	10	22	48	110
				1,169	2,688

Comments:

All volumes listed are estimates.

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NUMBER(S) 1,2,3,4,5,6,7,8,9
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 9/14/2015
 ACRES 201

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

<u>SPECIES</u>	<u>FORM CLASS</u>	<u>NO. OF TREES</u>		<u>BD.FT.VOL.</u>	<u>VOL.BD.FT. PER TREE</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>
		<u>MERCH.</u>	<u>CULLS</u>				
N. RED OAK	83	735	4	170,392	232	44.2	848
DEAD OAK	83	187	0	40,214	215	10.4	200
RED MAPLE	83	1,319	9	105,017	80	27.3	522
YELLOW-POPLAR	81	42	1	15,217	362	3.9	76
CUCUMBER	81	86	1	10,909	127	2.8	54
BIRCH	82	278	2	17,509	63	4.5	87
CHESTNUT OAK	80	72	1	6,770	94	1.8	34
AM. BEECH	84	125	1	9,921	79	2.6	49
BLACK CHERRY	83	44	0	5,178	118	1.3	26
MISC HW	79	24	1	2,928	122	0.8	15
MISC SW	78	24	0	1,252	52	0.3	6
TOTALS		2,936	20	385,307	131	100	1,917

CUBIC FOOT VOLUME

<u>SPECIES</u>	<u>NO. OF TREES</u>		<u>CU.FT.VOL.</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>		
	<u>MERCH.</u>	<u>CULL</u>			<u>CU.FT.</u>	<u>CORDS</u>	<u>TONS</u>
RED MAPLE	8,475	73	58,172	66.4	289	3.9	8.9
BIRCH	1,791	1	14,686	16.8	73	1.0	2.2
AM. BEECH	1,156	3	8,203	9.4	41	0.5	1.3
MISC HW	990	17	6,103	7.0	30	0.4	0.9
MISC SW	90	2	451	0.5	2	0.0	0.1
MISC NON-COMM.	14	0	48	0.1	0	0.0	0.0
TOTALS	12,517	96	87,663	100	435	5.8	13.4

Total trees less than or equal to 4" dbh to be cut: 5,851

Comments:

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 1
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 9/14/2015
 ACRES 28

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				
N. RED OAK	83	229	3	54,774	239	68.4	1,956
DEAD OAK	83	53	0	10,562	199	13.2	377
RED MAPLE	83	96	6	8,821	92	11.0	315
YELLOW-POPLAR	81	2	0	696	348	0.9	25
CUCUMBER	81	4	0	353	88	0.4	13
BIRCH	82	20	0	1,302	65	1.6	47
CHESTNUT OAK	80	4	0	525	131	0.7	19
AM. BEECH	84	0	0	0	0	0.0	0
BLACK CHERRY	83	9	0	1,131	126	1.4	40
MISC HW	79	6	1	986	164	1.2	35
MISC SW	78	18	0	933	52	1.2	33
TOTALS		441	10	80,083	182	100	2,860

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
RED MAPLE	278	10	1,783	53.7	64	0.8	2.0
BIRCH	86	0	612	18.4	22	0.3	0.7
AM. BEECH	4	0	115	3.5	4	0.1	0.1
MISC HW	37	2	474	14.3	17	0.2	0.5
MISC SW	60	2	338	10.2	12	0.2	0.4
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	465	14	3,322	100	119	1.6	3.6

Total trees less than or equal to 4" dbh to be cut: 237

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 2
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 8/10/2015
 ACRES 44

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				
N. RED OAK	83	214	0	58,205	272	54.9	1,323
DEAD OAK	83	71	0	17,536	247	16.5	399
RED MAPLE	83	171	2	16,390	96	15.5	373
YELLOW-POPLAR	81	25	0	10,310	412	9.7	234
CUCUMBER	81	7	0	961	137	0.9	22
BIRCH	82	10	0	646	65	0.6	15
CHESTNUT OAK	80	7	1	781	112	0.7	18
AM. BEECH	84	0	0	0	0	0.0	0
BLACK CHERRY	83	9	0	1,153	128	1.1	26
MISC HW	79	0	0	0	0	0.0	0
MISC SW	78	1	0	48	48	0.0	1
TOTALS		515	3	106,030	206	100	2,411

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
RED MAPLE	437	8	3,061	77.6	70	0.9	2.1
BIRCH	51	0	340	8.6	8	0.1	0.2
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC HW	54	2	485	12.3	11	0.1	0.3
MISC SW	12	0	57	1.4	1	0.0	0.0
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	554	10	3,942	100	90	1.2	2.7

Total trees less than or equal to 4" dbh to be cut: 155

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 3
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 9/14/2015
 ACRES 41

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

<u>SPECIES</u>	<u>FORM CLASS</u>	<u>NO. OF TREES</u>		<u>BD.FT.VOL.</u>	<u>VOL.BD.FT. PER TREE</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>
		<u>MERCH.</u>	<u>CULLS</u>				
N. RED OAK	83	174	1	38,600	222	54.5	941
DEAD OAK	83	63	0	12,116	192	17.1	296
RED MAPLE	83	158	0	11,372	72	16.1	277
YELLOW-POPLAR	81	4	1	1,867	467	2.6	46
CUCUMBER	81	18	0	2,509	139	3.5	61
BIRCH	82	32	0	1,808	57	2.6	44
CHESTNUT OAK	80	22	0	1,813	82	2.6	44
AM. BEECH	84	6	0	414	69	0.6	10
BLACK CHERRY	83	2	0	121	61	0.2	3
MISC HW	79	2	0	190	95	0.3	5
MISC SW	78	0	0	0	0	0.0	0
TOTALS		481	2	70,810	147	100	1,727

CUBIC FOOT VOLUME

<u>SPECIES</u>	<u>NO. OF TREES</u>		<u>CU.FT.VOL.</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>		
	<u>MERCH.</u>	<u>CULL</u>			<u>CU.FT.</u>	<u>CORDS</u>	<u>TONS</u>
RED MAPLE	1,197	3	8,150	79.2	199	2.7	6.1
BIRCH	89	0	803	7.8	20	0.3	0.6
AM. BEECH	49	0	430	4.2	10	0.1	0.3
MISC HW	147	0	863	8.4	21	0.3	0.6
MISC SW	0	0	0	0.0	0	0.0	0.0
MISC NON-COMM.	13	0	45	0.4	1	0.0	0.0
TOTALS	1,495	3	10,290	100	251	3.3	7.7

Total trees less than or equal to 4" dbh to be cut: 571

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 4
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 10/15/2015
 ACRES 29

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

<u>SPECIES</u>	<u>FORM CLASS</u>	<u>NO. OF TREES</u>		<u>BD.FT.VOL.</u>	<u>VOL.BD.FT. PER TREE</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>
		<u>MERCH.</u>	<u>CULLS</u>				
N. RED OAK	83	23	0	4,423	192	11.4	153
DEAD OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	278	1	19,654	71	50.4	678
YELLOW-POPLAR	81	8	0	1,488	186	3.8	51
CUCUMBER	81	25	1	2,830	113	7.3	98
BIRCH	82	100	1	6,574	66	16.9	227
CHESTNUT OAK	80	1	0	74	74	0.2	3
AM. BEECH	84	42	1	3,647	87	9.4	126
BLACK CHERRY	83	0	0	0	0	0.0	0
MISC HW	79	4	0	270	68	0.7	9
MISC SW	78	0	0	0	0	0.0	0
TOTALS		481	4	38,960	81	100	1,345

CUBIC FOOT VOLUME

<u>SPECIES</u>	<u>NO. OF TREES</u>		<u>CU.FT.VOL.</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>		
	<u>MERCH.</u>	<u>CULL</u>			<u>CU.FT.</u>	<u>CORDS</u>	<u>TONS</u>
RED MAPLE	1,743	5	13,484	63.0	465	6.2	14.3
BIRCH	526	1	4,728	22.1	163	2.2	5.0
AM. BEECH	181	3	1,724	8.1	59	0.8	1.8
MISC HW	276	13	1,465	6.8	51	0.7	1.5
MISC SW	0	0	0	0.0	0	0.0	0.0
MISC NON-COMM.	1	0	3	0.0	0	0.0	0.0
TOTALS	2,727	22	21,405	100	738	9.8	22.6

Total trees less than or equal to 4" dbh to be cut: 754

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 5
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 10/22/2015
 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				
N. RED OAK	83	34	0	4,738	139	40.2	431
DEAD OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	84	0	5,049	60	42.8	459
YELLOW-POPLAR	81	0	0	0	0	0.0	0
CUCUMBER	81	0	0	0	0	0.0	0
BIRCH	82	3	0	162	54	1.4	15
CHESTNUT OAK	80	2	0	150	75	1.3	14
AM. BEECH	84	6	0	325	54	2.8	30
BLACK CHERRY	83	9	0	894	99	7.6	81
MISC HW	79	3	0	473	158	4.0	43
MISC SW	78	0	0	0	0	0.0	0
TOTALS		141	0	11,791	84	100	1,073

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
RED MAPLE	1,193	0	6,298	85.8	573	7.6	17.6
BIRCH	32	0	233	3.2	21	0.3	0.7
AM. BEECH	20	0	279	3.8	25	0.3	0.8
MISC HW	95	0	526	7.2	48	0.6	1.5
MISC SW	0	0	0	0.0	0	0.0	0.0
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	1,340	0	7,336	100	667	8.9	20.5

Total trees less than or equal to 4" dbh to be cut: 756

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 6
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 11/5/2015
 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				
N. RED OAK	83	1	0	175	175	0.7	13
DEAD OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	146	0	13,608	93	56.9	1,047
YELLOW-POPLAR	81	2	0	584	292	2.4	45
CUCUMBER	81	6	0	945	158	3.9	73
BIRCH	82	74	0	4,618	62	19.3	355
CHESTNUT OAK	80	22	0	2,013	92	8.4	155
AM. BEECH	84	12	0	959	80	4.0	74
BLACK CHERRY	83	2	0	480	240	2.0	37
MISC HW	79	6	0	553	92	2.3	43
MISC SW	78	0	0	0	0	0.0	0
TOTALS		271	0	23,935	88	100	1,842

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
RED MAPLE	721	0	4,864	43.5	374	5.0	11.5
BIRCH	628	0	4,537	40.6	349	4.7	10.7
AM. BEECH	180	0	1,122	10.0	86	1.2	2.6
MISC HW	163	0	650	5.8	50	0.7	1.5
MISC SW	0	0	0	0.0	0	0.0	0.0
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	1,692	0	11,173	100	859	11.5	26.4

Total trees less than or equal to 4" dbh to be cut: 1,340

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 7
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 10/30/2015
 ACRES 19

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

<u>SPECIES</u>	<u>FORM CLASS</u>	<u>NO. OF TREES</u>		<u>BD.FT.VOL.</u>	<u>VOL.BD.FT. PER TREE</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>
		<u>MERCH.</u>	<u>CULLS</u>				
N. RED OAK	83	10	0	3,354	335	16.9	177
DEAD OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	125	0	9,520	76	47.9	501
YELLOW-POPLAR	81	1	0	272	272	1.4	14
CUCUMBER	81	21	0	2,943	140	14.8	155
BIRCH	82	16	0	1,134	71	5.7	60
CHESTNUT OAK	80	7	0	816	117	4.1	43
AM. BEECH	84	18	0	1,659	92	8.3	87
BLACK CHERRY	83	2	0	89	45	0.4	5
MISC HW	79	1	0	96	96	0.5	5
MISC SW	78	0	0	0	0	0.0	0
TOTALS		201	0	19,883	99	100	1,047

CUBIC FOOT VOLUME

<u>SPECIES</u>	<u>NO. OF TREES</u>		<u>CU.FT.VOL.</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>		
	<u>MERCH.</u>	<u>CULL</u>			<u>CU.FT.</u>	<u>CORDS</u>	<u>TONS</u>
RED MAPLE	1,756	0	12,449	76.7	655	8.7	20.1
BIRCH	151	0	705	4.3	37	0.5	1.1
AM. BEECH	469	0	2,741	16.9	144	1.9	4.4
MISC HW	97	0	329	2.0	17	0.2	0.5
MISC SW	0	0	0	0.0	0	0.0	0.0
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	2,473	0	16,223	100	853	11.4	26.2

Total trees less than or equal to 4" dbh to be cut: 1,524

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 8
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 10/28/2015
 ACRES 11

VOLUME TABLE - Girard & Mesavage Scribner Rule

All volumes listed are estimates

BOARD FOOT VOLUME

<u>SPECIES</u>	<u>FORM CLASS</u>	<u>NO. OF TREES</u>		<u>BD.FT.VOL.</u>	<u>VOL.BD.FT. PER TREE</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>
		<u>MERCH.</u>	<u>CULLS</u>				
N. RED OAK	83	0	0	0	0	0.0	0
DEAD OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	192	0	15,993	83	74.7	1,454
YELLOW-POPLAR	81	0	0	0	0	0.0	0
CUCUMBER	81	0	0	0	0	0.0	0
BIRCH	82	22	1	1,187	54	5.5	108
CHESTNUT OAK	80	0	0	0	0	0.0	0
AM. BEECH	84	40	0	2,861	72	13.4	260
BLACK CHERRY	83	9	0	1,016	113	4.7	92
MISC HW	79	2	0	360	180	1.7	33
MISC SW	78	0	0	0	0	0.0	0
TOTALS		265	1	21,417	81	100	1,947

CUBIC FOOT VOLUME

<u>SPECIES</u>	<u>NO. OF TREES</u>		<u>CU.FT.VOL.</u>	<u>% BY VOLUME</u>	<u>VOLUME BY ACRE</u>		
	<u>MERCH.</u>	<u>CULL</u>			<u>CU.FT.</u>	<u>CORDS</u>	<u>TONS</u>
RED MAPLE	615	47	5,417	52.1	492	6.6	15.1
BIRCH	222	0	2,643	25.4	240	3.2	7.4
AM. BEECH	253	0	1,792	17.2	163	2.2	5.0
MISC HW	34	0	542	5.2	49	0.7	1.5
MISC SW	0	0	0	0.0	0	0.0	0.0
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	1,124	47	10,394	100	944	12.6	29.0

Total trees less than or equal to 4" dbh to be cut: 105

Comments:

Thinning

PA GAME COMMISSION TIMBER SALE SUMMARY

SALE NAME Fly Over
 BLOCK NO. 9
 COUNTY Elk
 TOWNSHIP Ridgway

SGL NO. 44
 FORESTER TLW
 DATE 10/1/2015
 ACRES 5

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				
N. RED OAK	83	50	0	6,123	122	49.4	1,225
DEAD OAK	83	0	0	0	0	0.0	0
RED MAPLE	83	69	0	4,610	67	37.2	922
YELLOW-POPLAR	81	0	0	0	0	0.0	0
CUCUMBER	81	5	0	368	74	3.0	74
BIRCH	82	1	0	78	78	0.6	16
CHESTNUT OAK	80	7	0	598	85	4.8	120
AM. BEECH	84	1	0	56	56	0.5	11
BLACK CHERRY	83	2	0	294	147	2.4	59
MISC HW	79	0	0	0	0	0.0	0
MISC SW	78	5	0	271	54	2.2	54
TOTALS		140	0	12,398	89	100	2,481

CUBIC FOOT VOLUME

SPECIES	NO. OF TREES		CU.FT.VOL.	% BY VOLUME	VOLUME BY ACRE		
	MERCH.	CULL			CU.FT.	CORDS	TONS
RED MAPLE	534	0	2,668	74.5	534	7.1	16.4
BIRCH	7	0	85	2.4	17	0.2	0.5
AM. BEECH	0	0	0	0.0	0	0.0	0.0
MISC HW	88	0	769	21.5	154	2.1	4.7
MISC SW	18	0	57	1.6	11	0.2	0.3
MISC NON-COMM.	0	0	0	0.0	0	0.0	0.0
TOTALS	646	0	3,579	100	716	9.5	21.9

Total trees less than or equal to 4" dbh to be cut: 409

Comments:

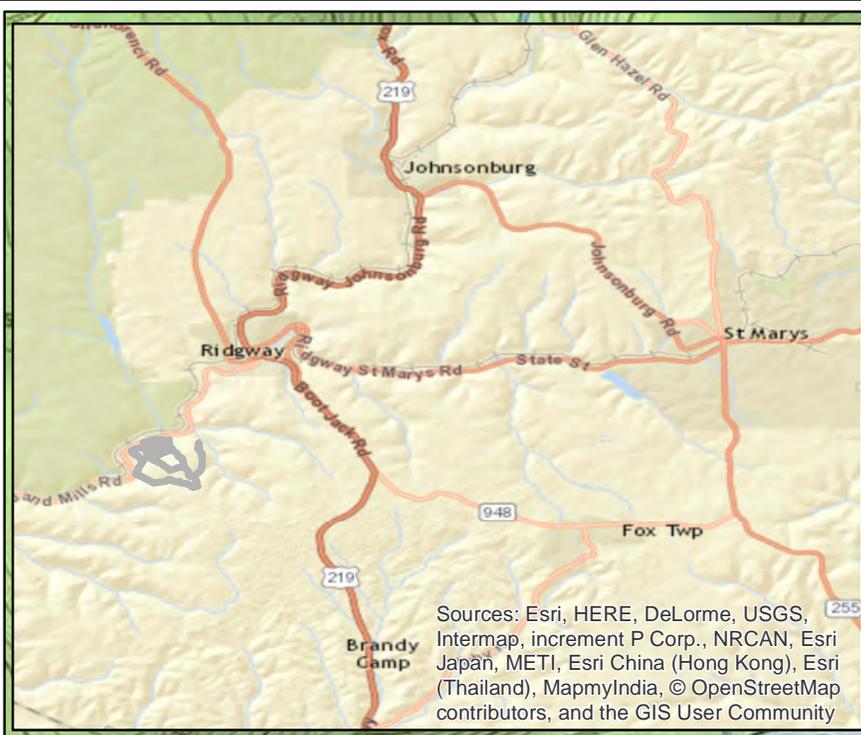
Thinning

SGL 044 Fly Over Sale Map



SGL 044 Fly Over
 244 Acres
 Sale # 044-15-01
 Elk County
 Ridgway Township

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

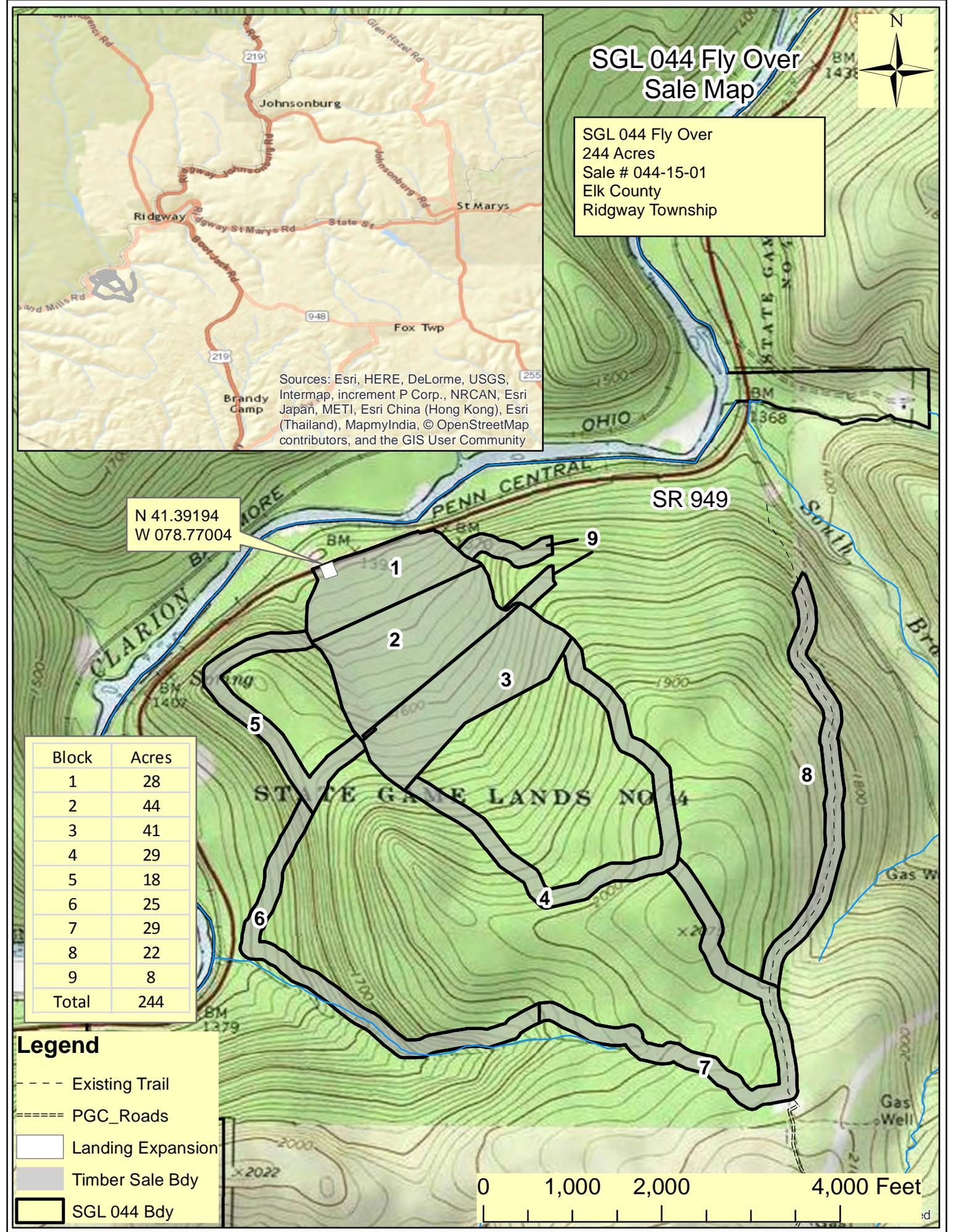


N 41.39194
 W 078.77004

Block	Acres
1	28
2	44
3	41
4	29
5	18
6	25
7	29
8	22
9	8
Total	244

Legend

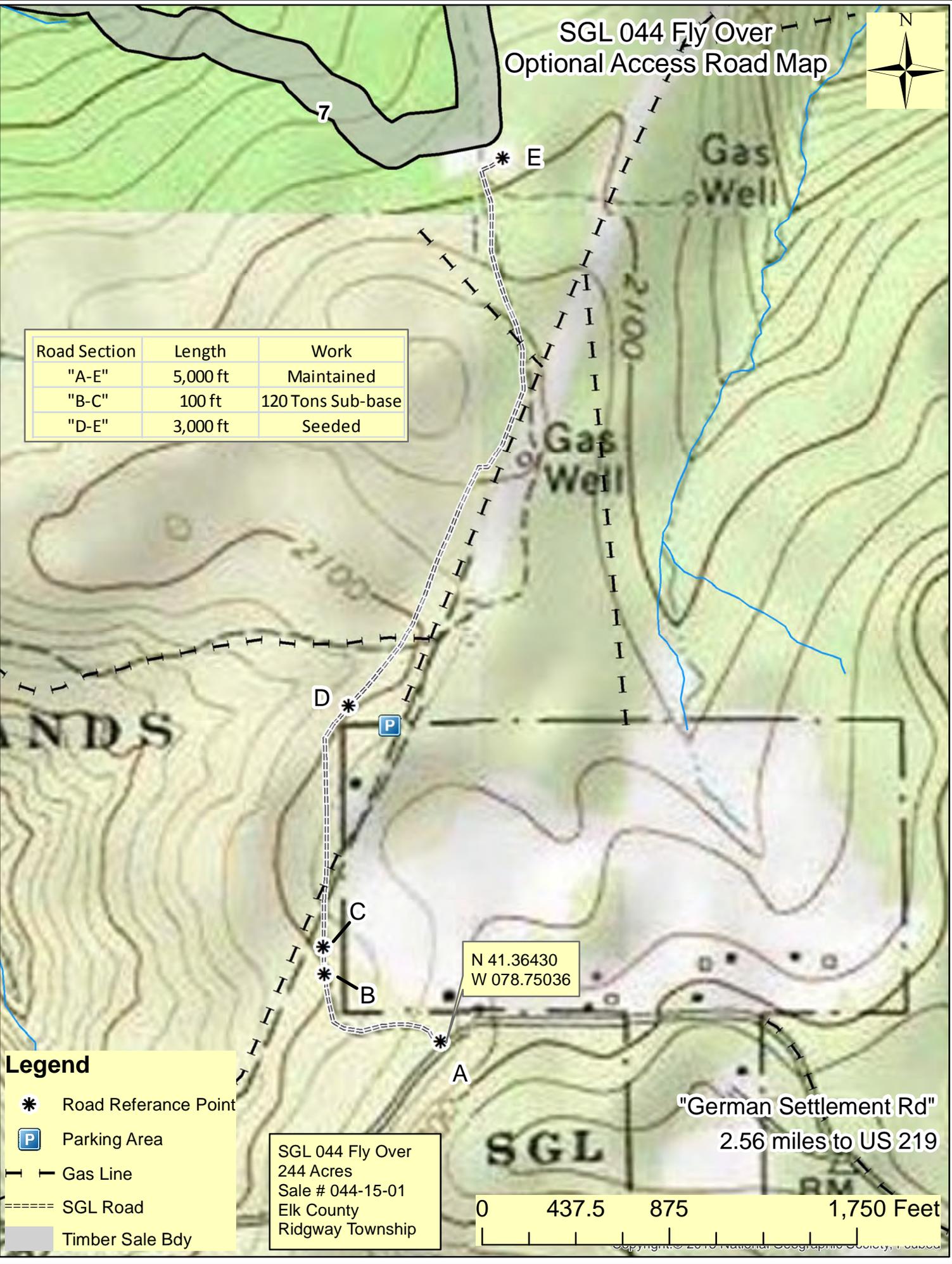
- Existing Trail
- ==== PGC_Roads
- Landing Expansion
- Timber Sale Bdy
- SGL 044 Bdy



SGL 044 Fly Over Optional Access Road Map



Road Section	Length	Work
"A-E"	5,000 ft	Maintained
"B-C"	100 ft	120 Tons Sub-base
"D-E"	3,000 ft	Seeded



Legend

- * Road Reference Point
- P Parking Area
- Gas Line
- SGL Road
- Timber Sale Bdy

SGL 044 Fly Over
244 Acres
Sale # 044-15-01
Elk County
Ridgway Township

"German Settlement Rd"
2.56 miles to US 219

0 437.5 875 1,750 Feet