

STATE GAME LANDS #: 110
 SALE: 110-2022-02
 NAME: Birch Creek

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 155,086 board feet of sawlogs and 5,720 tons of pulpwood located on 154 acres of State Game Lands No. 110, Bethel Township, Berks County, and Wayne Township, Schuylkill 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 **\$5,000.00** 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 **May 30, 2025**.

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 #110**. Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, PA 17110-9797, at **2:00 P.M., Monday, April 3, 2023**. The Commission reserves the right to reject any and all bids and to award the contract as deemed to its best interests.

STATE GAME LANDS #: 110
SALE #: 110-2022-02
NAME: Birch Creek

- INSTRUCTIONS TO BIDDERS -

The following information covers details concerning the proposed lump sum sale of an estimated 155,086 board feet of sawlogs and 5,720 tons of pulpwood to be cut from 154 acres of State Game Lands No. 110, Bethel Township, Berks County, and Wayne Township, Schuylkill 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 **March 7, 2023**. Viewers will be met at **the parking area along Rt. 183 near the top of the mountain (40.525114, -76.218383)** at 12:00 p.m., and conducted to the sale area.

The timber to be sold will be clearly designated by **Andy Weaver, 253 Snyder Road, Reading, PA 19605**, telephone: 1-610-926-3136, the Regional Forester.

- BIDS -

BIDS SHOULD BE MAILED EARLY ENOUGH TO ENSURE DELIVERY BY THE BID OPEN DATE. 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 #110**. 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 successful 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, April 3, 2023**, 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 **\$5,000.00** 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 **May 30, 2025.**

- PAYMENTS -

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

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

- 1 – 52% - 40 acres
- 2 – 38% - 39 acres
- 3 – 8% - 36 acres
- 4 – 1% - 19 acres
- 5 – 2% - 20 acres

- 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 -

Rev (7-13)

See 5 Attached Sheet(s).

SPECIAL PROVISIONS FOR THE "BIRCH CREEK" TIMBER SALE

STATE GAME LANDS # 110

1) ADMINISTRATIVE ITEMS

- a) All contractors, subcontractors and consultants of the Buyer must be pre-approved by the Commission. The Commission reserves the right to reject any subcontractor at its sole discretion. If Contractor enters into any subcontract(s) not previously approved by the Commission, the Commission shall have the right to require the Contractor to terminate such contracts.
- b) For this timber harvest, all pulpwood trees may be felled, skidded, and chipped in their entirety. A pulpwood tree is defined as follows: that is any tree between 1" DBH and 12" DBH and which does not contain a merchantable saw log.
- c) About 720 feet of firebreak will be improved into a haul road and about 340 feet of haul road will be constructed.
- d) All top wood 3" in diameter and smaller from all sawtimber trees is reserved and cannot be removed from the site. The tops need to be scattered across the harvest site. Care needs to be taken in blocks 1 and 2 to keep logging slash away from residual trees.
- e) The Regional Forester or his designee will closely monitor harvest and skidder damage to residual trees. If damage becomes excessive additional restrictions will be placed on the harvest. Total disregard to the residual trees and failure to take corrective actions will result in payment of damages and/or termination of the timber contract.
- f) If site conditions in the woods (for felling, skidding, or trucking) or the use of the haul road become too wet, muddy or ice covered and could or will cause damage to the property, all phases of the job will be suspended until working conditions are favorable. The Regional Forester will make the final decision in this matter.

2) BOUNDARIES, BLOCKS AND CUTTING INSTRUCTIONS

- a) All sale activity (Felling, Skidding & Trucking) is restricted to the defined sale area. Sale area boundary is defined by blue paint.
- b) No skidding is permitted on the haul road.
- c) In all blocks: All Red and Blue painted trees must be left standing and not damaged. All unmarked trees 1" in diameter and larger in these blocks must be cut through and placed on the ground.
- d) In blocks 1 and 2: No-cut island boundaries are marked with red bands. All trees in the no-cut islands will be reserved and skidding is not permitted in or through the no-cut islands.
- e) All stumps must be less than 12" in height when measured from the ground.

3) US /STATE / LOCAL ROADS

- a) The PGC access road entrance is along Rt. 183.

4) GAME LAND ROADS TO BUILD / IMPROVE

- a) The timber contractor must improve a haul road at this location for a total distance of 720 feet and build 340 feet of new road. All roads must have a 12-foot running surface along with a crown and side ditches. Water bars, intercept dips, a culvert pipe, and water turnouts will be used for draining surface water. Stone will be required on portions of

the new road. All stone locations will have the material tailgate spread to a depth of 4 inches. The Regional forester will designate specific locations for the culvert pipe, stone, and water bars. The side ditches and all disturbed areas must be seeded immediately following construction of the road.

- b) Small borrow pits in the sale area may be used for fill with authorization of the Regional Forester. These sites must be regraded and seeded at the conclusion of usage. This is to be used in addition to required stone, not as a replacement.
- c) Required Clean stone for this harvest
 - 1. Stone is for all designated locations on the haul road.
 - 2. Minimum of 215 tons of AASHTO # 3 (similar to 3A modified) stone for the following locations: Haul road - 200 tons, culvert – 15 tons.
 - 3. Minimum of 100 tons of AASHTO # 1 (similar to #4) stone for the haul road.
 - 4. Receipts may be required to verify the amount of stone applied to the designated locations.
- d) Haul Road Construction / Timeframe
 - 1. The Regional Forester will designate all locations for water bars and intercept dips. Side ditches and disturbed areas must be seeded immediately following grading of the haul road. All road improvements must be completed and approved by the Regional Forester.
 - 2. The timber contractor will supply and install one smooth bore 18" X 20' black plastic culvert pipe. The pipe must be installed with a backhoe and be covered with a minimum of 15" of AASHTO # 3 stone. Stone head walls must be set on each end of each pipe. The pipe must have side ditches for the drainage of water to the pipe and a tailrace for drainage out of the pipe.
 - 3. All road improvements must be allowed to settle for 30 days prior to any usage. During that time period, no truck activity will be permitted on the newly graded or constructed road. This requirement will be waived if the operator provides a vibrating roller to compact the entire road surface. The road must have a solid surface and not show any movement. The use of the roller is at the discretion of the contractor.
 - 4. Construction and or improvement of the haul road should occur during the time period of April 1 to October 10. During times of wet site conditions, no road construction will be permitted.
 - 5. Between October 10 and April 1 road construction and road improvements will be permitted providing the following conditions can be met.
 - a. The site conditions must be favorable for the construction of a quality road (Not wet or frozen ground). Excavation and grading of the haul road along with installation of culvert pipe must be able to be completed without creating an erosion hazard.
 - b. Seeding will occur at the completion of the construction. Straw mulch must be applied to all locations, which would require seeding. (Applies to this Time Period).
 - c. The ground must be workable and able to be compacted. Access for stone trucks must adequate. Designated log landing locations must be cleared.
 - d. The Regional Forester will have the final decision to approve construction/improvement of the haul road and landing.

6. All equipment will be cleaned of soil and debris before being moved onto site to prevent spread of invasive species.
7. The road will be inspected and approved by the Regional Forester prior to any usage by the timber operator.

5) **LANDINGS**

- a) Two locations have been designated as the log landings for this harvest. The landings are located in blocks 1 and 3. At each location the contractor will be required to build a log landing. The log landings will require the excavation of stumps and rocks as well as the grading and leveling of the site. The contractor will be permitted to load trucks on the haul road providing there is a clear path for other Game Land users to safely utilize the road.
- b) Each landing will be about 100' x 150' in size.
- c) Upon completion of the harvest operation, each landing must be cleared of all logging debris/slash and then graded, limed, fertilized, seeded, and mulched.

6) **SKIDDING**

- a) No skidding will be permitted outside of the designated sale area.
- b) Skidding is not permitted through islands in blocks 1 and 2. Skidding will be permitted at one location through the reserve area between blocks 4 and 5. The location will be approved by the Regional Forester.
- c) All material to be removed from all sale blocks must be skidded to the landings.
- d) If a skid trail will be sitting idle for one month or more, they must have open and functional water bars.
- e) All skid trails will require the grading of wheel ruts, the installation of water bars and seeding at the conclusion of the harvest operation.

7) **SEEDING OF ROADWAYS AND LANDINGS**

- a) The entire haul road will require grading at the completion of the harvest. Final grading and ditches must be established with bulldozer with a six-way blade or equivalent piece of equipment. Use of a log skidder or similar type of equipment is not acceptable for grading the road. Failure to use the proper equipment will require a second grading of the road.
- b) Seeding of disturbed sections of the haul road will be required as designated by the Regional Forester.
- c) Seeding Specifications:

TRAILS, ROAD, AND LANDINGS

4 lbs. New Zealand White Clover/acre
 4 lbs. Red Clover/Acre
 3 lbs. Birdsfoot Tree Foil/Acre
 60 lbs. Wheat/acre – fall
 60 lbs Oats/acre - spring

Fertilizer:	400 lbs of 10-10-10/acre
Ground Limestone:	2 tons of lime/acre (Lime must contain 1.4% Mg)
Straw Mulch:	100 bales per acre of clean wheat straw

Straw Mulch is for the seeding of the Log Landings and designated portion of the haul road. Straw must spread to a depth of less than ½" over the entire seeded location. Clean wheat straw must be used as mulch.

No hay or other grass mulch will be permitted. Use of mechanized spreader for straw mulch is required.

Approximately 1.25 acres are expected to be seeded at the conclusion of the harvest. The breakdown is as follows:

Log landings	1.0 acres
Skid Trails	.25 acre

Spring Seeding:	April 1 to May 30
Fall Seeding:	September 1 to October 10

A vegetative cover on all seeded sites will be acceptable when 70 percent of the site has the desired cover. The performance bond will not be released until this requirement is satisfied.

d) Sale Block Clean-up

1. All cleanup work in a sale block must be completed before the contractor will be permitted to move into the next cutting block.
2. All skid trails must be leveled, and water bars installed where needed or when directed by the Regional Forester
3. All skid trails must be seeded immediately (spring & fall seeding period) following the completion of its usage.
4. Each log landing must be graded, sawdust and logging debris scattered along with bare mineral soil exposed, and ground lime, fertilizer, seed, and straw mulch applied. Seeding of these sites is only permitted during the designated seeding periods.
5. The contractor must notify the Regional Forester prior to the application of lime, fertilizer, seed, and mulch.

8. OPERATIONS AND NON-WORKDAYS

- a) No in woods operations will be permitted on the following days for the period of this contract:
1. All Saturdays in the months of October, November, December and January and any Sundays open to hunting.
 2. The opening day and all Saturdays during spring gobbler season, including the youth spring gobbler hunt.
 3. All the days of the general statewide bear season.
 4. The entire two weeks of the general firearms deer season.
 5. The opening day of the flintlock muzzleloader season.
- b) The timber operator, 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 travel. The contractor may travel to and from the work location on no-work days to check on the condition of equipment. **No felling, skidding, trucking, equipment repair or access for the purpose of hunting at the job site will be permitted.**
- c) The contractor is responsible for the control and collection of fluids leaking from any equipment used on the site. The contractor must have a spill containment and cleanup kit appropriate for the equipment being used. At a minimum the kit will contain plugs and clamps to control hydraulic line breaks, a container to collect leaking fluids, fluid absorbent pads and a shovel. Operating any equipment noticeably leaking fluids is prohibited. The contractor must collect and control fluids leaking from any equipment and dispose of properly.
- d) **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. SAFETY AND LOGGER TRAINING

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

10. MISCELLANEOUS

- a) The timber contractor must comply with erosion and sedimentation control plan for the harvest site. The plan must be on site and available for inspection at all times.
- b) The timber operator should review the plan, due to his responsibility for the implementation of erosion controls during the harvest operation.
- c) PGC gates **must** be closed. Repeated failure to close gates will be penalized.
- d) All equipment will be cleaned of soil and debris before being moved onto site to prevent spread of invasive species.
- e) Vehicle traffic on the PGC access road shall not exceed 25 MPH.
- f) The selling of firewood to the general public will not be permitted. The sale of firewood to a commercial firewood contractor is permitted.
- g) Payment for block 3 of the sale is required at the time of execution of the timber contract. Failure to provide this payment will void the timber contract.
- h) The timber sale contractor will be required to make all necessary PA-1 call notifications.
- i) This timber contract will expire on May 30, 2025.**
- j) Final payment is due no later than 120 days before the expiration of the agreement.**
- k) This timber sale falls in the spotted lanternfly quarantine area. The buyer is responsible for understanding and complying with all applicable requirements. Up to date information can be found at www.pda.state.pa.us/spottedlanternfly.

Report For Birch Creek

Sale Name:	Birch Creek	SGL Number:	110
Forester:	Ziegler	Report Date:	01/19/2023
Blocks Numbers in Sale:	1,2,3,4,5	Acres:	154.1
County:	,Berks,Schuylkill	Township:	,Bethel,Wayne

The Pennsylvania Game Commission SGL #110 - Birch Creek Timbersale Scribner Rule (BDFT) - All Volumes are Estimates

Sale Summary by Harvest Block														
Block Number	Area		Harvest Type	Sawtimber				Pulpwood				Culls		
	Acres	% of Sale		Method	BDFT	Per Acre	% of Sale	Method	Tons	Per Acre	% of Sale	2 - 4"	6 - 10"	12 +"
1	39	25%		BAF 10 Plot	80,035	2,042	52%	BAF 10 Plot	1,316	34	23%	11,711	1,814	315
2	39	25%		BAF 10 Plot	58,170	1,482	38%	BAF 10 Plot	1,921	49	34%	15,582	1,361	347
3	36	23%		BAF 10 Plot	12,383	343	8%	BAF 10 Plot	1,314	36	23%	19,385	2,812	901
4	19	13%		BAF 10 Plot	1,694	87	1%	BAF 10 Plot	448	23	8%	4,618	1,331	191
5	20	13%		BAF 10 Plot	2,804	139	2%	BAF 10 Plot	721	36	13%	6,462	1,087	520
Total	154	100%			155,086		100%		5,720	37.1	100%	57,758	8,405	2,274

Pulpwood was sampled in block(s) 1, 2, 3, 4, 5 with a precision of +/- 9.8% (90% C.I.)

Sawtimber was sampled in block(s) 1, 2, 3, 4, 5 with a precision of +/- 20.9% (90% C.I.)

The Pennsylvania Game Commission

SGL #110 - Birch Creek Timbersale

Scribner Rule (BDFT) - All Volumes are Estimates

Block All - 154 acres																									
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
Chestnut Oak	161	6,057	367	22,310	120	12,699	24	4,210	0	0	5	1,098	4	1,538	0	0	0	0	0	0	682	47,911	70	2,111	797
N. Red Oak	36	1,575	144	9,531	50	6,215	71	12,970	26	5,507	11	2,757	9	3,761	0	0	0	0	0	0	346	42,315	122	881	218
Scarlet Oak	53	1,696	92	5,307	140	14,714	24	3,473	13	1,731	16	3,700	0	0	0	0	0	0	0	0	338	30,622	91	1,337	424
Red Maple	52	2,435	77	6,436	20	1,769	16	3,069	0	0	0	0	0	0	0	0	0	0	0	0	165	13,709	83	5,014	1,047
Sweet Birch	0	0	78	5,646	20	1,718	8	683	0	0	0	0	0	0	0	0	0	0	0	0	106	8,047	76	2,034	636
White Oak	0	0	39	2,919	0	0	8	1,453	6	1,105	0	0	0	0	0	0	0	0	0	0	54	5,478	102	26	9
Black Gum	0	0	13	0	40	4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	53	4,922	92	12,552	1,950
Sassafras	18	550	13	932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	1,482	48	3,367	573
Chestnut Oak - dead	0	0	13	601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	601	46	25	8
Red Maple - dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	7
Sugar Maple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	35
Red Maple - dying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	8
N. Red Oak - dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	7
Total	319	12,313	836	53,682	391	42,037	151	25,858	45	8,343	32	7,555	13	5,299							1,788	155,086	87	27,577	5,720

The Pennsylvania Game Commission

SGL #110 - Birch Creek Timbersale

Scribner Rule (BDFT) - All Volumes are Estimates

Block 1 - 39 acres

	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
N. Red Oak	36	1,575	105	6,791	50	6,215	63	11,833	26	5,507	5	2,038	9	3,761	0	0	0	0	0	0	294	37,720	128	751	185
Scarlet Oak	36	1,130	13	958	60	6,704	24	3,473	13	1,731	16	3,700	0	0	0	0	0	0	0	0	161	17,696	110	785	273
Chestnut Oak	18	886	39	1,565	30	3,712	16	2,795	0	0	5	1,098	4	1,538	0	0	0	0	0	0	113	11,594	103	559	166
White Oak	0	0	39	2,919	0	0	8	1,453	6	1,105	0	0	0	0	0	0	0	0	0	0	54	5,478	102	26	9
Black Gum	0	0	13	0	30	3,607	0	0	0	0	0	0	0	0	0	0	0	0	0	0	43	3,607	84	2,508	425
Red Maple	0	0	13	1,039	10	685	8	1,533	0	0	0	0	0	0	0	0	0	0	0	0	31	3,258	105	680	144
Sweet Birch	0	0	0	0	0	0	8	683	0	0	0	0	0	0	0	0	0	0	0	0	8	683	86	18	10
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	523	91
Red Maple - dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	7
N. Red Oak - dead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	7
Total	89	3,591	223	13,271	180	20,924	127	21,771	45	8,343	27	6,836	13	5,299							704	80,035	114	5,961	1,316

The Pennsylvania Game Commission
SGL #110 - Birch Creek Timbersale
Scribner Rule (BDFT) - All Volumes are Estimates

Block 2 - 39 acres																									
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
Chestnut Oak	143	5,170	328	20,745	90	8,987	8	1,415	0	0	0	0	0	0	0	0	0	0	0	0	569	36,317	64	1,551	631
Scarlet Oak	18	566	79	4,349	80	8,010	0	0	0	0	0	0	0	0	0	0	0	0	0	0	177	12,926	73	552	152
N. Red Oak	0	0	39	2,740	0	0	8	1,136	0	0	5	719	0	0	0	0	0	0	0	0	53	4,595	87	66	17
Red Maple	0	0	0	0	0	0	8	1,535	0	0	0	0	0	0	0	0	0	0	0	0	8	1,535	194	682	124
Sassafras	18	550	13	932	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	1,482	48	1,026	225
Black Gum	0	0	0	0	10	1,315	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	1,315	131	4,996	727
Sugar Maple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	49	35
Sweet Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	10
Total	178	6,286	459	28,766	181	18,313	24	4,087			5	719									847	58,170	69	8,940	1,921

The Pennsylvania Game Commission
SGL #110 - Birch Creek Timbersale
Scribner Rule (BDFT) - All Volumes are Estimates

Block 3 - 36 acres																									
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
Sweet Birch	0	0	78	5,646	10	1,055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	88	6,701	76	1,790	535
Red Maple	18	1,259	26	2,738	10	1,083	0	0	0	0	0	0	0	0	0	0	0	0	0	0	54	5,080	95	1,693	342
Chestnut Oak - dead	0	0	13	601	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	601	46	25	8
Black Gum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,206	334
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	673	85
N. Red Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	9
Total	18	1,259	117	8,985	20	2,138															154	12,383	80	6,413	1,314

The Pennsylvania Game Commission
SGL #110 - Birch Creek Timbersale
Scribner Rule (BDFT) - All Volumes are Estimates

Block 4 - 19 acres																									
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
Red Maple	0	0	13	1,031	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1,031	79	526	140
Sweet Birch	0	0	0	0	10	663	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	663	67	128	56
Black Gum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,181	188
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	331	55
Red Maple - dying	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	71	8
Total			13	1,031	10	663															23	1,694	74	2,236	448

The Pennsylvania Game Commission
SGL #110 - Birch Creek Timbersale
Scribner Rule (BDFT) - All Volumes are Estimates

Block 5 - 20 acres																									
	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
Red Maple	34	1,176	25	1,628	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	59	2,804	47	1,433	297
Black Gum	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,662	276
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	813	116
Sweet Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	80	25
N. Red Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	38	7
Total	34	1,176	25	1,628																	59	2,804	47	4,026	721

The Pennsylvania Game Commission

SGL #110 - Birch Creek Timbersale

Scribner Rule (BDFT) - All Volumes are Estimates

Block All - 154 acres - Pulp Tree Stand and Stock Table

	2" DBH		4" DBH		6" DBH		8" DBH		10" DBH		12" DBH		14" DBH		16" DBH		18" DBH		20"+ DBH		Pulpwood	
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Tons
Black Gum	0	0	0	0	6,170	678	3,810	517	1,883	440	549	222	129	84	10	10	0	0	0	0	12,552	1,950
Red Maple	0	0	0	0	2,596	308	1,700	370	606	228	227	135	26	23	0	0	0	0	0	0	5,156	1,063
Chestnut Oak	0	0	0	0	285	25	482	99	719	266	553	325	79	67	10	12	8	12	0	0	2,136	805
Sweet Birch	0	0	0	0	424	55	595	117	508	170	459	251	39	32	10	12	0	0	0	0	2,034	636
Sassafras	0	0	0	0	1,615	177	950	129	458	107	284	115	39	25	20	19	0	0	0	0	3,367	573
Scarlet Oak	0	0	0	0	71	6	602	120	437	160	214	127	13	11	0	0	0	0	0	0	1,337	424
N. Red Oak	0	0	0	0	357	33	239	45	205	73	107	62	13	11	0	0	0	0	0	0	921	224
Sugar Maple	0	0	0	0	0	0	0	0	0	0	36	23	13	12	0	0	0	0	0	0	49	35
White Oak	0	0	0	0	0	0	0	0	26	9	0	0	0	0	0	0	0	0	0	0	26	9
Pitch Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Serviceberry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
American Basswood	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total					11,519	1,283	8,377	1,396	4,842	1,453	2,429	1,259	351	266	50	52	8	12			27,577	5,720

PGC TIMBER SALE **Birch Creek**
STATE GAME LANDS NO. 110
110-2022-02

TIMBER SALE COST ESTIMATE

NEW ROAD CONSTRUCTION -	340 FEET	
Machine/Labor		1750
Tons AASHTO #3		270
Tons AASHTO #4		450
Culvert Pipes		260
Seed		0
		<hr/>
		\$2,730.00
EXISTING ROAD IMPROVEMENT -	720 FEET	
Machine/Labor		2500
Tons AASHTO #3		0
Tons AASHTO #4		1350
Culvert Pipes		0
Seed		0.00
		<hr/>
		\$3,850.00
LANDINGS		
Machine/Labor		2,800.00
Seed, Lime, Fertilizer		1,600.00
		<hr/>
		\$4,400.00
SKID TRAILS		
Machine/Labor		800.00
Seed		75.00
		<hr/>
		\$875.00
ROAD RETIREMENT		
Machine/Labor		2,500.00
Tons AASHTO #3		3,600.00
Tons AASHTO #4		0.00
Seed		0.00
		<hr/>
		\$6,100.00
MISC. COSTS		
Total		\$0.00
TOTAL COST ESTIMATE		\$17,955.00



STATE GAME LAND 110
Birch Creek Timber Sale (110-2022-02)
Wayne Township, Schuylkill County
Bethel Township, Berks County

Summit Station
Stonemort



PGC ACCESS ROAD
40.5254, -76.2168

State
Game Lands No
080

419

Schuylkill
Little Star Creek
Schuylkill

Strawtown

Upper
Tulpehocken
Twp

Older 22

Four Point Rd

Older 22

Shenandoah Rd

Garmin, SafeGraph, GeoTechnologies, Inc, MBR/NASA, USGS, EPA, NPS, USDA

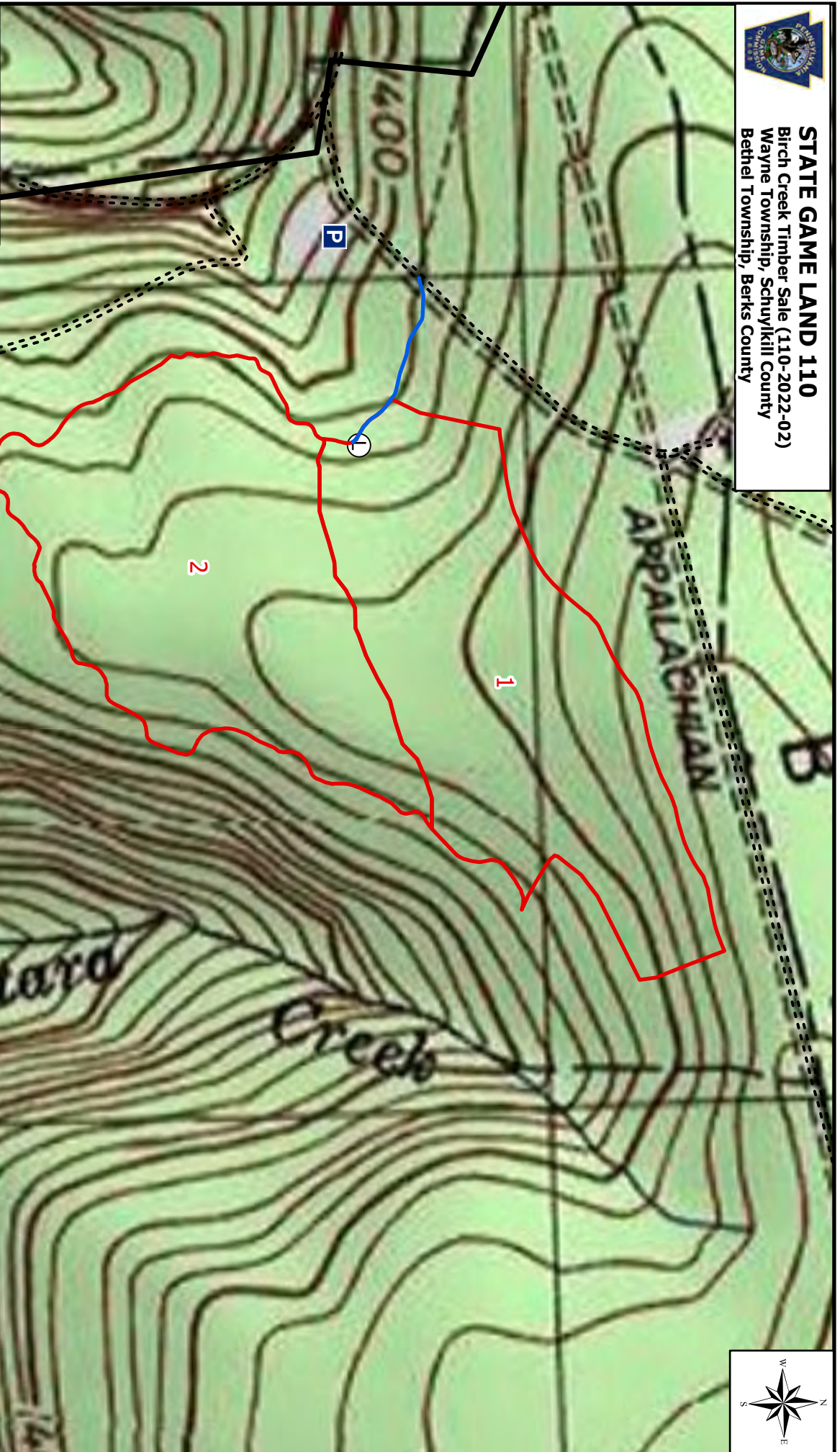
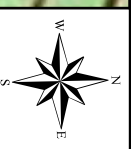
Non Commercial Project

- Parking Area
- Stream
- PA Local Roads
- State Game Land
- PA County
- Treatment Block
- Administrative Road
- Seasonal Road

0 500 1,000 2,000 3,000
Feet



STATE GAME LAND 110
Birch Creek Timber Sale (110-2022-02)
Wayne Township, Schuylkill County
Bethel Township, Berks County



Legend

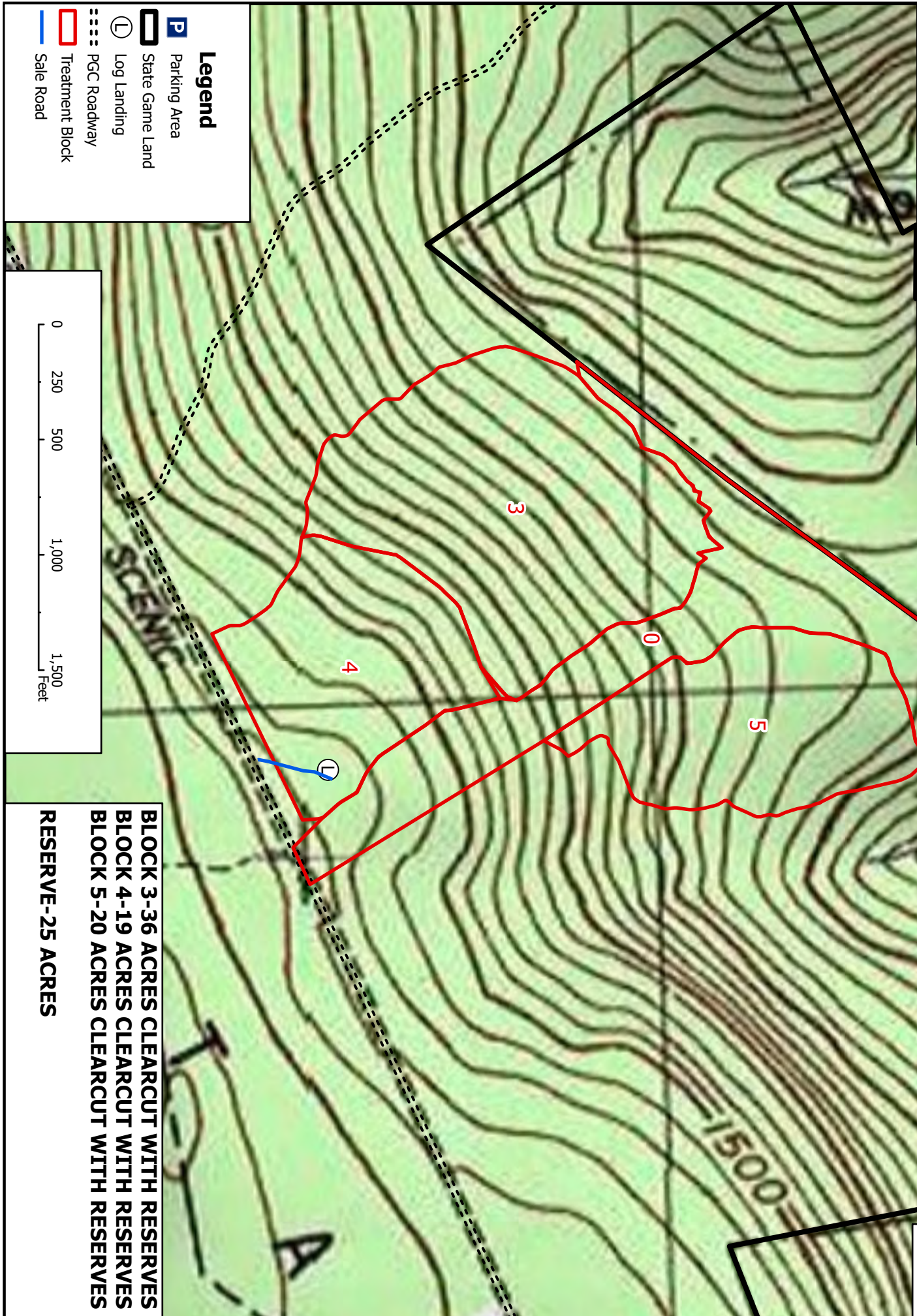
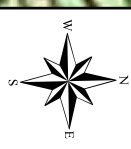
- Parking Area
- State Game Land
- Log Landing
- PGC Roadway
- Treatment Block
- Sale Road



BLOCK 1-39 ACRES CLEARCUT WITH RESERVES
BLOCK 2-39 ACRES CLEARCUT WITH RESERVES



STATE GAME LAND 110
Birch Creek Timber Sale (110-2022-02)
Wayne Township, Schuylkill County
Bethel Township, Berks County



Legend

- Parking Area
- State Game Land
- Log Landing
- PGC Roadway
- Treatment Block
- Sale Road

0 250 500 1,000 1,500 Feet

BLOCK 3-36 ACRES CLEARCUT WITH RESERVES
BLOCK 4-19 ACRES CLEARCUT WITH RESERVES
BLOCK 5-20 ACRES CLEARCUT WITH RESERVES
RESERVE-25 ACRES