

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 1,639,316 board feet of sawlogs and 2,365 tons of pulpwood located on 287 acres of State Game Lands No. 051, Dunbar Township, Fayette County, I offer the following:

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

Full payment will be made when agreements are signed or payment in full for each individual cutting block before cutting operations are started on that block. Payment for Block 1 (10% of the bid price) is due at contract execution.

It is further understood that an acceptable bond of **\$35,000.00** 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 15, 2027**.

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 #051**. 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 9, 2024**. 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 1,639,316 board feet of sawlogs and 2,365 tons of pulpwood to be cut from 287 acres of State Game Lands No. 051, Dunbar Township, Fayette 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 their own estimate.

**- SHOW DATE -**

Timber will be shown to prospective bidders on **August 19, 2024**. Viewers will be met at a **PGC parking area along Kingin Hill Road (T-547), as indicated on the Timber Sale Location Map, Dunbar Township, Fayette County, PA; GPS coordinates N39.9354893 W79.5215160 at 10:00 a.m.** and conducted to the sale area. (Liston School, Historical Location, Dunbar Twp. Fayette County)

The timber to be sold will be clearly designated by **Neil J. Itle, 4820 Route 711, Bolivar, PA 15923**, telephone: 1-814-227-5019, 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 #051**. 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 bidder's 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, September 9, 2024**, 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 **\$35,000.00** 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 15, 2027**.

**- PAYMENTS -**

The sale is divided into 10 cutting blocks. Payment may be made by:

1. Total payment when agreement is signed.  
or
2. Payment for Block 1 (10% of the bid price) is due on the execution of the contract and must be completed by June 30, 2025. Blocks 2 and 3 must be completed by October 15, 2025.

- 1 – 10% - 54 acres
- 2 – 3% - 26 acres
- 3 – 3% - 26 acres
- 4 – 17% - 31 acres
- 5 – 11% - 22 acres
- 6 – 11% - 28 acres
- 7 – 11% - 21 acres
- 8 – 11% - 28 acres
- 9 – 17% - 38 acres
- 10 – 6% - 13 acres

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 9 Attached Sheets.

## SPECIAL PROVISIONS FOR THE “POPLAR DEMAND TIMBER SALE”

S.G.L. # 051 T.S. # 051-2024-01

### 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) This 287-acre timber sale consists of 106 acres of shelterwood (Blocks 1, 2 & 3), 31 acres of clearcut with residuals (Block 4) and 150 acres of overstory removal (Blocks 5-10).
- c) Saw timber volumes were determined by a 100% tally. Pulp wood tonnage in Blocks 1-3 & 5-10 was determined by a 10 BAF prism plot cruise with (90% C.I.). Pulp wood tonnage in Block 4 was determined by a 100% tally. All trees are tallied in 2-inch diameter classes.
- d) Operator is responsible for contacting PA One Call (8-1-1) at least three business days prior to any earth moving activities, skidding, or hauling to ensure all utility lines are clearly identified. PA One Call will alert the appropriate facility owners of the intent to conduct earth moving activities or cross underground lines. Utility lines will be crossed in accordance with the requirements of the respective owner of that right-of-way. For more information, visit [www.paonecall.org](http://www.paonecall.org)
- e) Operator must comply with the erosion and sedimentation control plan for the area, update the plan with control measures implemented as logging progresses, and always maintain an updated copy on-site.
- 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.
- g) The contractor shall provide the Regional Forester or his designee with at least 3 days notice prior to moving equipment on-site in anticipation of start-up.
- h) No permanent paint may be used by bidder for marking/cruising this timber sale area.
- i) Whole tree harvesting is permitted in blocks 1-4.
- j) **Payment for Block 1 (10% of the bid price) is due on the execution of the contract and must be completed by June 30, 2025. Blocks 2 and 3 must be completed by October 15, 2025.**
- k) Final payment is due no later than 120 days before the expiration of the Agreement.

## 2) BOUNDARIES, BLOCKS, AND CUTTING INSTRUCTIONS

The sale consists of ten (10) cutting blocks.

### Blocks 1- 4:

a) The sale boundary for blocks 1-4 is delineated with **BLUE**-marked trees with 2 slashes. Corners are marked with 3 slashes. All **BLUE** boundary trees shall remain standing.

b) Reserve trees in blocks 1-3 are marked with a single **RED** slash.

Reserve trees in block 4 are marked with a single **BLUE** slash.

The operator will determine if a reserve tree is a safety hazard and will notify the Regional Forester of any reserve trees that were felled for safety reasons. Any reserved trees that are felled for safety reasons must be left at the stump. Snags may be left standing unless they present a safety hazard.

c) The **BLUE** numbered block line trees in blocks 1-3 are not tallied and are reserved.

d) All live trees 1-inch dbh and larger must be felled in blocks 1-4 with the exception of designated reserve trees. Hawthorn, apple trees, and conifers are not painted and are to be reserved when possible.

e) Tree felling in block 4 is restricted to the dormant season of November 1 through March 31.

f) All merchantable aspen from Block 4 must be removed.

### Blocks 5-10:

a) The sale boundary for blocks 5-10 is delineated with **ORANGE** marked trees with 2 slashes. Corners are marked with 3 slashes. All **ORANGE** boundary trees shall remain standing.

b) Reserve trees in blocks 5-10 are marked with a single **BLUE** slash.

The operator will determine if a reserve tree is a safety hazard and will notify the Regional Forester of any reserve trees that were felled for safety reasons. Any reserved trees that are felled for safety reasons must be left at the stump. Snags may be left standing unless they present a safety hazard.

c) The **ORANGE** numbered block line trees in blocks 5-10 are tallied and may be cut unless they are reserved with a blue slash.

d) All live trees 4-inch dbh and larger must be felled in blocks 5-10 with the exception of designated reserve trees. Hawthorn, apple trees, and conifers are to be reserved when possible.

- e) All top wood up to 3 inches in Blocks 5-10 is reserved and must be cut off in the woods prior to skidding trees to the landing.

**All Blocks:**

- a) All woods operations are to proceed at the same time. Pulpwood and culls must be cut during the same operation as sawlogs are being cut and skid.
- b) 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.
- c) Tops and slash will be cleared within 10 feet of the gameland boundary, roads and ditch lines, culverts, utility right-of-ways, herbaceous openings, spring runs, and defined stream channels.
- d) All stumps must be cut lower than 12" from the ground. Exceptions will be granted for multiple bole sawtimber trees and root balls returning to original position.
- e) Extra caution should be taken to avoid felling damage or skidding damage to reserved trees.
- f) No fuel wood cutting by individuals other than the operator and employees will be permitted.

**3) US / STATE / LOCAL ROADS**

- a) Operator may contact Tom Rebovich, Penn DOT District 10-0, Fayette County at 724-439-7349 for permitting and/or bonding information for any State Roads to be used. For additional information go to <http://www.papostedroads.pa.gov/>

Dunbar Ohiopyle Road (SR1055)

- b) The use of any township road is to be coordinated with Township Supervisors.

Kingin Hill Road (T547)  
Greenbriar Road (T792)

**FAYETTE COUNTY  
DUNBAR TOWNSHIP**  
128 Township Drive  
Dunbar, PA 15431  
(724) 628-1440

**FAYETTE COUNTY  
STEWART TOWNSHIP**  
PO Box 108  
Mill Run, PA 15464  
(724) 329-5671

#### 4) GAME LAND ROADS TO BUILD / IMPROVE

##### Blocks 1-3:

- a) The existing PGC administrative stone road, approximately (11,345') from Kingin Hill Road to the westernmost proposed landing for Blocks 1-3 will be kept in excellent condition throughout the duration of use and damage repaired as it occurs. **The operator is responsible for any haul road upgrades prior to, during, hauling and at the conclusion of use.**

Upon conclusion of use, the operator will scarify or excavate potholes and ruts as required and re-grade damaged sections of the roadway to restore it to its previous condition. If severely damaged, the road will be graded to a 16-foot running surface, ditch lines established leading into cutouts or culverts, positively drained with broad-based dips and cutouts, and crowned to drain all water into the ditches, rolled with a vibratory road roller to further compact and shape the road. This section of road will be tailgated with **320 tons #2A Limestone Coarse Aggregate** and compacted with a 10-ton (minimum) single smooth drum vibratory roller.

Or

The existing PGC administrative stone road, approximately (5,825') from Kingin Hill Road to the easternmost proposed landing for Blocks 1-3 will be kept in excellent condition throughout the duration of use and damage repaired as it occurs. **The operator is responsible for any haul road upgrades prior to, during, hauling and at the conclusion of use.**

Upon conclusion of use, the operator will scarify or excavate potholes and ruts as required and re-grade damaged sections of the roadway to restore it to its previous condition. If severely damaged, the road will be graded to a 16-foot running surface, ditch lines established leading into cutouts or culverts, positively drained with broad-based dips and cutouts, and crowned to drain all water into the ditches, rolled with a vibratory road roller to further compact and shape the road. This section of road will be tailgated with **160 tons #2A Limestone Coarse Aggregate** and compacted with a 10-ton (minimum) single smooth drum vibratory roller.

- b) Any disturbed areas outside the road surface must be treated according to specifications outlined in Section 7, Seeding of Roadways and Landings while the soil is freshly disturbed.
- c) **The Regional Forester or designee must be present during final grading and stone application. Weigh slips for all designated stone will be required.**

##### Blocks 4-10:

- a) The existing PGC administrative stone road, approximately (4,700') from Kingin Hill Road to the PGC parking area and the spur road (1,929') from the parking area to the existing landing for block 10 will be kept in excellent condition throughout the duration of use and damage repaired as it occurs. **The operator is responsible for any haul road upgrades prior to, during, hauling and at the conclusion of use.**
- b) Upon conclusion of use, the operator will scarify or excavate potholes and ruts as required and re-grade damaged sections of the roadway to restore it to its previous condition. If severely

damaged, the road will be graded to a 14-foot running surface, ditch lines established leading into cutouts or culverts, positively drained with broad-based dips and cutouts, and crowned to drain all water into the ditches, rolled with a vibratory road roller to further compact and shape the road. The section of road from Kingin Hill Road to the PGC parking area will be tailgated with **460 tons #2A Limestone Coarse Aggregate** and compacted with a 10-ton (minimum) single smooth drum vibratory roller.

- c) Any disturbed areas outside the road surface must be treated according to specifications outlined in Section 7, Seeding of Roadways and Landings while the soil is freshly disturbed.
- d) The Regional Forester or designee must be present during final grading and stone application. Weigh slips will be required.**

## 5) LANDINGS

- a) All landings are to be approved by the Regional Forester or designee.  
  
There are two proposed landings for blocks 1-3.  
  
There are three proposed landings for block 4.  
  
There are two existing landings for blocks 5-10.
- b) At the discretion of Regional Forester, landing sites constructed in wooded areas, must have all stumps removed and scattered about the cleared edge.
- c) 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. (unless whole tree chipped)
- d) If whole tree chipped, all chips and debris must be continually feathered along the main skid road as harvesting progresses. If debris is too great to spread along the main skid road the material must be hauled off site at the discretion of Regional Forester. Waste chips will not be spread over the landing or pushed in piles.
- e) At the conclusion of the sale, all stumps and debris must be removed and scattered singly into the surrounding woods, landing sites are to be graded level and positively drained, cleared of debris, and treated according to specifications outlined in Section 7, Seeding of Roadways and Landings.
- f) **All excessive logging debris on the landings is to be removed from the game lands by the operator at the conclusion of the sale.**

## 6) SKIDDING

- a) Skid trails will be coordinated with the Regional Forester or designee.
- b) Two existing skid trails may be utilized to remove material from Blocks 1-3. If the easternmost skid trail is utilized, approximately 150' of skid mats will be required through a low-lying section of the existing trail.



- c) The main skid trails for block 4 are to be constructed along the outside boundary of the individual sub-blocks. The southeastern sub-block will require 2 temporary skid bridges on an existing skid trail for removal of material.
- d) An existing skid trail must be utilized to remove material from block 10. A minimum of two 30' skid bridges will be required to remove material from block 10.
- e) If the existing skid trail to the existing landing between blocks 7 and 10 is utilized a minimum of one 30' skid bridge will be required.
- f) No skidding will be allowed through streams or across unprotected utility lines. The easternmost existing skid trail into blocks 1-3 crosses a gas line.
- g) No skidding will be permitted across small drainages without the use of temporary bridges.
- h) Wet areas should be avoided when skidding.
- i) If skid trails are to sit idle for one month or longer, they will be leveled and have water bars added.
- j) Upon conclusion of use, skid roads will be cleared of all debris, graded rut free, and positively drained with water-bars and cut-outs. Sections of skid roads that are considered erodible will be treated according to specifications outlined in Section 7, Seeding of Roadways and Landings.

## **7) SEEDING OF ROADWAYS AND LANDINGS**

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

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

Approximately 4.0 acres are anticipated, but total acreage requiring seeding will be determined on-site as operations progress. All areas, if treated between June 15 and August 15, will be mulched. Landings will be mulched regardless of time of year. Guaranteed catch of cover must be obtained to the satisfaction of the Regional Forester before the bond will be released and seeding completed after October 10 will require inspection for successful germination the following spring.

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

## 8) OPERATIONS AND NON-WORK DAYS

- a) No woods operation will be permitted on the following days:
1. All Saturdays in the months of October, November, December, and January and any Sundays open to hunting.
  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.
  6. **March 1 thru April 15 (spring break-up)**

\*Any variance from the Non-Work Days must have advanced approval from 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) 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
- c) The operator must post signs at both ends of the Laurel Highlands Hiking Trail (where it enters and exits Block 5). The employees must be very aware of their surroundings and make sure any hikers are at a safe distance when felling trees in vicinity of the trail.

## **10) MISCELLANEOUS**

- a) The operator is responsible for any additional haul road upgrades prior to and during hauling, and at the conclusion of use.
- b) A copy of weigh slips will be provided to the Regional Forester for all specified quarry stone.
- c) Gates are always to be kept closed and locked except when the contractor is present on the site.
- d) Damage to existing infrastructure (roads, culverts, gates, trails, herbaceous areas) will be the repaired by the contractor. The need for any repair will be determined by the Regional Forester or designee prior to the conclusion of the project.
- e) If contractor's operation involves on-site chipping, the contractor shall remove all chipping debris from the Game Lands prior to final grading and seeding of log landings.
- f) To minimize the spread of invasive plants, all earth-moving and logging equipment (bulldozers, mechanical fellers, skidders, loaders, chippers, etc.) should be thoroughly cleaned prior to entering the State Game Lands (SGL).
- g) Violation of contract provisions by the operator may subject the operator or their employees or contractors to fines based on Title 58 regulations.
- h) Operator will supply all employees working on this site with a map and copy of the sale provisions.

## **11) PA RIGHT TO KNOW PROVISIONS**

- a. The Pennsylvania Right-to-Know Law, 65 P.S. §§ 67.101-3104, applies to this contract.
- b. Unless the Contractor provides the Commonwealth, in writing, with the name and contact information of another person, the agency shall notify the Contractor using the Contractor information provided by the Contractor in SRM [or "the legal contact information provided in this contract"] if the agency needs the Contractor's assistance in any matter arising out of the Right to Know Law ("RTKL"). The Contractor shall notify the agency in writing of any change in the name or the contact information within a reasonable time prior to the change.
  - c. Upon notification from the Commonwealth that the Commonwealth requires the Contractor's assistance in responding to a RTKL request for records in the Contractor's possession, the Contractor shall provide the Commonwealth, within fourteen (14) calendar days after receipt of such notification, access to, and copies of, any document or information in the Contractor's possession

which arises out of the contract that the Commonwealth requests (“Requested Information”) and provided such other assistance as the Commonwealth may request in order to comply with the RTKL. If the Contractor fails to provide the Requested Information within fourteen (14) calendar days after receipt of such request, the Contractor shall indemnify and hold the Commonwealth harmless for any damages, penalties, detriment or harm that the Commonwealth may incur as a result of the Contractor’s failure, including any statutory damages assessed against the Commonwealth.

d. The Commonwealth’s determination as to whether the Requested Information is a public record is dispositive of the question as between the parties. Contractor agrees not to challenge the Commonwealth’s decision to deem the Requested Information a Public Record. If the Contractor considers the Requested Information to include a request for a Trade Secret or Confidential Proprietary Information, as those terms are defined by the RTKL, the Contractor will immediately notify the Commonwealth, and will provide a written statement signed by a representative of the Contractor explaining why the requested material is exempt from public disclosure under the RTKL within seven (7) calendar days of receiving the request. If, upon review of the Contractor’s written statement, the Commonwealth still decides to provide the Requested Information, Contractor will not challenge or in any way hold the Commonwealth liable for such a decision.

e. The Commonwealth will reimburse the Contractor for any costs associated with complying with this provision only to the extent allowed under the fee schedule established by the Office of Open Records or as otherwise provided by the RTKL if the fee schedule is inapplicable.

f. Contractor agrees to abide by any decision to release a record to the public made by the Office of Open Records, or by the Pennsylvania Courts. The Contractor agrees to waive all rights or remedies that may be available to it as a result of the Commonwealth’s disclosure of Requested Information pursuant to the RTKL. Contractor’s duties relating to the RTKL are continuing duties that survive the expiration of this contract and shall continue as long as the Contractor has Requested Information in its possession.

**PGC TIMBER SALE  
STATE GAME LANDS NO. 051  
POPLAR DEMAND 051-2023-01**

**TIMBER SALE COST ESTIMATE**

**EXISTING HAUL ROADS**

Machine/Labor	\$3,700.00
780 Tons 2A Coarse Aggregate	<u>\$19,500.00</u>
	<b>\$23,200.00</b>

**LANDINGS**

Machine/Labor	\$2,600.00
Seed & Straw Mulch	<u>\$3,000.00</u>
	<b>\$5,600.00</b>

**SKID ROADS**

Machine/Labor	<u>\$3,900.00</u>
	<b>\$3,900.00</b>

**TOTAL COST ESTIMATE**

**\$32,700.00**

*Estimates based on a 10 hour day*

*Excavator \$1100/day, Dozer \$1300/day, Vibratory Roller \$800/day*

*Stone- 2A Mod \$25.00/ton, #3 \$23.37/ton \*\*delivered*

*Seed, lime, fertilizer, straw mulch \$750/acre*

*All costs are estimates calculated by the PGC Forestry Division staff and are*

*not guaranteed, and the buyer is encouraged to calculate their own anticipated cost.*

## Report For POPLAR DEMAND

<b>Sale Name:</b>	POPLAR DEMAND	<b>SGL Number:</b>	51
<b>Forester:</b>	McElheny	<b>Report Date:</b>	04/26/2022
<b>Blocks Numbers in Sale:</b>	1,2,3,4,5,6,7,8,9,10	<b>Acres:</b>	287.3
<b>County:</b>	Fayette	<b>Township:</b>	Dunbar

### The Pennsylvania Game Commission SGL #51 - POPLAR DEMAND 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	54	19%	Shelterwood	100% Tally	159,735	2,976	10%	BAF 10 Plot	674	13	28%	0	0	48
2	26	9%	Shelterwood	100% Tally	46,401	1,778	3%	BAF 10 Plot	281	11	12%	0	0	18
3	26	9%	Shelterwood	100% Tally	43,213	1,640	3%	BAF 10 Plot	456	17	19%	0	0	13
4	31	11%	Clearcut with Reserves	100% Tally	275,531	8,914	17%	100% Tally	941	30	40%	1	0	17
5	22	8%	Overstory Removal	100% Tally	181,614	8,135	11%	BAF 10 Plot	0	0	0%	0	0	2
6	28	10%	Overstory Removal	100% Tally	184,372	6,571	11%	BAF 10 Plot	0	0	0%	0	0	7
7	21	7%	Overstory Removal	100% Tally	184,775	8,707	11%	BAF 10 Plot	0	0	0%	0	0	5
8	28	10%	Overstory Removal	100% Tally	178,832	6,494	11%	BAF 10 Plot	0	0	0%	0	0	10
9	38	13%	Overstory Removal	100% Tally	289,021	7,589	18%	BAF 10 Plot	6	0	0%	0	0	13
10	13	5%	Overstory Removal	100% Tally	95,822	7,381	6%	BAF 10 Plot	8	1	0%	572	0	5
<b>Total</b>	<b>287</b>	<b>100%</b>			<b>1,639,316</b>		<b>100%</b>		<b>2,365</b>	<b>8.2</b>	<b>100%</b>	<b>573</b>		<b>138</b>

**Pulpwood was sampled in block(s) 1, 2, 3, 9, 10 with a precision of +/- 11.6% (90% C.I.)**

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block All - 287 acres

Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	118	5,435	276	25,980	399	62,915	597	135,027	556	169,341	462	182,488	409	197,021	229	130,460	101	68,298	85	67,164	3,232	1,044,129	323	522	237
Red Maple	102	4,716	592	56,046	305	46,911	156	32,547	79	21,398	40	13,093	17	6,138	5	2,782	1	794	0	0	1,297	184,425	142	2,691	1,131
Black Cherry	56	2,565	273	25,699	214	30,930	163	32,904	106	29,541	47	16,441	31	13,333	11	5,460	0	0	2	1,849	903	158,723	176	293	174
N. Red Oak	20	825	36	3,244	39	5,597	49	10,700	67	19,039	49	17,784	35	17,281	20	10,513	15	9,344	11	9,635	341	103,963	305	126	43
Sugar Maple	36	1,522	58	4,638	66	8,107	63	11,864	51	12,086	31	10,087	18	6,595	7	3,486	5	2,912	4	2,706	339	64,002	189	158	40
White Oak	30	1,217	22	1,845	21	3,019	15	3,092	12	3,032	9	2,897	4	1,510	2	841	1	631	0	0	116	18,082	156	63	16
Cucumbertree	13	605	33	3,415	13	2,229	10	2,552	7	2,475	3	1,342	3	1,411	0	0	0	0	0	0	82	14,029	171	90	31
Scarlet Oak	2	63	3	219	3	336	7	1,495	9	2,643	7	2,474	5	1,975	3	1,435	0	0	2	1,421	41	12,063	294	2	1
Sweet Birch	1	33	54	4,771	22	3,288	10	1,966	2	349	0	0	0	0	0	0	0	0	0	0	89	10,407	117	381	145
Elm	6	202	10	755	13	1,461	5	896	4	931	2	545	1	571	3	1,794	0	0	0	0	44	7,155	163	13	4
Chestnut Oak	29	1,172	34	2,744	14	1,669	4	883	0	0	0	0	1	514	0	0	0	0	0	0	82	6,981	85	85	32
American Basswood	1	31	5	374	12	1,667	6	1,140	4	1,069	1	516	0	0	0	0	0	0	0	0	29	4,797	165	7	2
Black Oak	1	33	4	246	2	242	1	136	2	583	3	1,020	0	0	1	534	0	0	0	0	14	2,793	200	1	0
Sassafras	10	361	10	752	5	649	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	1,762	70	132	33
Black Locust	5	224	4	308	3	257	0	0	0	0	1	276	0	0	0	0	0	0	0	0	13	1,064	82	47	10
American Beech	0	0	1	83	2	304	0	0	1	324	1	324	0	0	0	0	0	0	0	0	5	1,035	207	9	2
Hickories	6	237	4	331	3	347	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	916	70	57	9
Bur Oak	0	0	0	0	0	0	0	0	1	241	0	0	0	0	0	0	1	648	0	0	2	889	445	0	0
Yellow Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	749	0	0	0	0	1	749	749	0	0
White Pine	0	0	1	95	0	0	3	557	0	0	0	0	0	0	0	0	0	0	0	0	4	652	163	1	0
Black Gum	0	0	6	424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	424	71	64	18
Black Walnut	0	0	0	0	0	0	0	0	0	0	1	276	0	0	0	0	0	0	0	0	1	276	276	0	0
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407	436
<b>Total</b>	<b>436</b>	<b>19,241</b>	<b>1,426</b>	<b>131,970</b>	<b>1,136</b>	<b>169,926</b>	<b>1,090</b>	<b>235,760</b>	<b>901</b>	<b>263,050</b>	<b>657</b>	<b>249,562</b>	<b>524</b>	<b>246,349</b>	<b>282</b>	<b>158,055</b>	<b>124</b>	<b>82,627</b>	<b>104</b>	<b>82,776</b>	<b>6,680</b>	<b>1,639,316</b>	<b>245</b>	<b>5,148</b>	<b>2,365</b>

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 1 - 54 acres																											
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood			
	#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	308	30,841	140	23,079	58	13,569	25	7,567	9	3,249	1	374	0	0	0	0	0	0	0	0	541	78,678	145	1,133	538
Black Cherry	0	0	130	12,454	91	14,220	37	7,800	21	6,501	2	615	0	0	0	0	0	0	0	0	0	281	41,590	148	64	41	
Yellow-poplar	0	0	15	1,560	19	3,065	16	4,022	31	9,983	13	5,382	8	4,470	4	2,275	0	0	0	0	0	106	30,757	290	46	25	
Cucumbertree	0	0	9	1,009	3	480	1	227	4	1,318	0	0	0	0	0	0	0	0	0	0	0	17	3,033	178	0	0	
Sweet Birch	0	0	13	1,206	7	994	2	328	1	241	0	0	0	0	0	0	0	0	0	0	0	23	2,769	120	125	47	
N. Red Oak	0	0	3	334	2	360	1	143	1	308	0	0	0	0	0	0	0	0	0	0	0	7	1,145	164	24	14	
Sassafras	0	0	6	445	3	420	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	865	96	0	0	
Chestnut Oak	0	0	2	146	1	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	312	104	0	0	
White Pine	0	0	0	0	0	0	1	214	0	0	0	0	0	0	0	0	0	0	0	0	0	1	214	214	0	0	
Black Gum	0	0	2	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	166	83	24	10	
American Basswood	0	0	0	0	1	131	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	131	131	0	0	
Sugar Maple	0	0	1	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	75	75	0	0	
<b>Total</b>			489	48,236	267	42,914	116	26,304	83	25,917	24	9,246	9	4,844	4	2,275						992	159,735	161	1,416	674	



**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 2 - 26 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	104	9,472	52	8,126	11	2,704	5	1,417	2	692	0	0	0	0	0	0	0	0	174	22,411	129	413	188
Yellow-poplar	0	0	8	702	9	1,555	15	3,223	9	3,047	9	3,993	4	2,278	0	0	0	0	0	0	54	14,798	274	50	23
Black Cherry	0	0	18	1,658	16	2,491	4	761	1	363	1	384	0	0	0	0	0	0	0	0	40	5,657	141	23	16
Sweet Birch	0	0	18	1,516	4	635	4	750	0	0	0	0	0	0	0	0	0	0	0	0	26	2,901	112	107	49
White Pine	0	0	1	95	0	0	1	214	0	0	0	0	0	0	0	0	0	0	0	0	2	309	155	0	0
N. Red Oak	0	0	2	130	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	130	65	0	0
Cucumbertree	0	0	1	122	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	122	122	0	0
Chestnut Oak	0	0	1	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	73	73	0	0
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	11	5
<b>Total</b>			153	13,767	81	12,807	35	7,653	15	4,827	12	5,069	4	2,278							300	46,401	155	604	281

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 3 - 26 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
Yellow-poplar	0	0	10	985	11	1,841	26	6,098	5	1,757	10	4,900	1	695	0	0	0	0	0	0	63	16,277	258	26	20
Red Maple	0	0	60	5,810	17	2,756	5	1,106	3	857	0	0	0	0	0	0	0	0	0	0	85	10,529	124	519	242
Black Cherry	0	0	51	5,142	13	2,142	10	2,065	3	666	0	0	0	0	0	0	0	0	0	0	77	10,015	130	122	81
Sweet Birch	0	0	22	1,972	11	1,659	4	888	1	108	0	0	0	0	0	0	0	0	0	0	38	4,627	122	100	39
N. Red Oak	0	0	2	185	1	146	0	0	1	247	0	0	0	0	0	0	0	0	0	0	4	578	145	19	7
Sassafras	0	0	3	237	2	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	465	93	82	23
Chestnut Oak	0	0	2	170	1	135	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	305	102	19	7
Cucumbertree	0	0	3	300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	300	100	0	0
Black Gum	0	0	2	116	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	116	58	0	0
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	30	37
<b>Total</b>			155	14,918	56	8,908	45	10,157	13	3,636	10	4,900	1	695							280	43,213	154	915	456

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 4 - 31 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	76	3,623	110	10,301	138	22,840	194	45,869	136	42,725	93	37,106	64	31,482	23	12,774	15	9,121	12	8,890	861	224,731	261	401	169
N. Red Oak	15	653	11	1,045	12	1,727	11	2,683	4	1,110	4	1,665	4	2,054	1	563	1	1,021	0	0	63	12,520	199	84	23
Red Maple	61	2,778	42	3,624	21	2,652	10	2,001	3	863	1	384	0	0	0	0	0	0	0	0	138	12,302	89	626	163
Black Cherry	23	1,156	17	1,550	10	1,314	7	1,420	3	923	2	609	1	470	0	0	0	0	0	0	63	7,442	118	84	36
Cucumbertree	12	554	16	1,659	10	1,749	3	853	2	814	0	0	1	528	0	0	0	0	0	0	44	6,157	140	90	31
Chestnut Oak	26	1,059	21	1,699	8	932	4	883	0	0	0	0	0	0	0	0	0	0	0	0	59	4,573	78	66	25
White Oak	13	570	12	1,098	3	448	1	183	1	172	0	0	0	0	0	0	0	0	0	0	30	2,472	82	63	16
Scarlet Oak	1	32	3	219	1	101	2	441	3	846	0	0	0	0	0	0	0	0	0	0	10	1,639	164	2	1
Sugar Maple	9	384	3	250	1	65	1	227	0	0	0	0	0	0	0	0	0	0	0	0	14	926	66	113	26
Hickories	6	237	2	166	2	286	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	689	69	57	9
Black Locust	4	193	4	308	2	159	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	660	66	47	10
Sassafras	10	361	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	432	39	50	9
American Basswood	0	0	0	0	1	131	0	0	1	222	0	0	0	0	0	0	0	0	0	0	2	353	176	7	2
Black Oak	0	0	2	123	0	0	1	136	0	0	0	0	0	0	0	0	0	0	0	0	3	259	86	1	0
American Beech	0	0	0	0	1	189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	189	189	9	2
Elm	3	110	1	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	155	39	13	4
Sweet Birch	1	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	33	33	48	10
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	377	400
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	29	4
White Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>Total</b>	<b>260</b>	<b>11,743</b>	<b>245</b>	<b>22,159</b>	<b>210</b>	<b>32,592</b>	<b>234</b>	<b>54,697</b>	<b>153</b>	<b>47,674</b>	<b>100</b>	<b>39,765</b>	<b>70</b>	<b>34,533</b>	<b>24</b>	<b>13,337</b>	<b>16</b>	<b>10,141</b>	<b>12</b>	<b>8,890</b>	<b>1,324</b>	<b>275,531</b>	<b>208</b>	<b>2,168</b>	<b>941</b>

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 5 - 22 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	6	270	16	1,341	27	3,755	56	12,357	62	19,492	65	25,906	68	34,140	45	26,761	20	13,498	13	9,856	378	147,376	390	0	0
N. Red Oak	2	69	5	499	4	574	8	1,861	13	3,808	4	1,742	7	3,711	4	1,881	3	1,839	2	1,801	52	17,784	342	0	0
Black Cherry	1	54	0	0	5	620	9	1,913	2	610	1	455	1	557	1	769	0	0	0	0	20	4,977	249	0	0
Red Maple	7	358	14	1,105	4	709	4	816	3	852	1	135	1	470	0	0	0	0	0	0	34	4,445	131	0	0
American Basswood	1	31	3	232	3	380	2	500	3	847	0	0	0	0	0	0	0	0	0	0	12	1,990	166	0	0
Scarlet Oak	0	0	0	0	0	0	0	0	2	668	1	354	0	0	1	519	0	0	0	0	4	1,542	385	0	0
Chestnut Oak	1	32	6	509	1	101	0	0	0	0	0	0	1	514	0	0	0	0	0	0	9	1,155	128	0	0
Cucumbertree	0	0	2	150	0	0	1	183	0	0	1	431	0	0	0	0	0	0	0	0	4	765	191	0	0
White Oak	3	116	1	75	1	171	1	136	0	0	0	0	0	0	0	0	0	0	0	0	6	498	83	0	0
Black Oak	0	0	0	0	1	103	0	0	0	0	1	364	0	0	0	0	0	0	0	0	2	468	234	0	0
Sugar Maple	0	0	0	0	3	307	1	136	0	0	0	0	0	0	0	0	0	0	0	0	4	443	111	0	0
Black Gum	0	0	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	71	71	0	0
Hickories	0	0	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	71	71	0	0
Black Locust	1	31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	31	31	0	0
<b>Total</b>	<b>22</b>	<b>961</b>	<b>49</b>	<b>4,052</b>	<b>49</b>	<b>6,720</b>	<b>82</b>	<b>17,901</b>	<b>85</b>	<b>26,277</b>	<b>74</b>	<b>29,388</b>	<b>78</b>	<b>39,391</b>	<b>51</b>	<b>29,930</b>	<b>23</b>	<b>15,337</b>	<b>15</b>	<b>11,657</b>	<b>528</b>	<b>181,614</b>	<b>344</b>		

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 6 - 28 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	10	413	38	3,779	58	8,847	86	18,443	75	21,833	56	21,014	61	27,786	34	17,949	12	7,942	11	8,014	441	136,020	308	0	0
N. Red Oak	0	0	4	338	5	792	7	1,493	15	4,171	12	4,356	10	4,351	4	2,253	2	1,193	1	1,417	60	20,364	339	0	0
Black Cherry	6	285	11	946	11	1,528	14	3,027	15	4,182	8	2,678	5	1,952	1	448	0	0	0	0	71	15,045	212	0	0
Red Maple	8	392	15	1,237	15	2,076	7	1,199	5	1,226	5	1,679	1	470	0	0	0	0	0	0	56	8,279	148	0	0
American Basswood	0	0	1	71	5	830	2	388	0	0	1	516	0	0	0	0	0	0	0	0	9	1,805	201	0	0
Bur Oak	0	0	0	0	0	0	0	0	1	241	0	0	0	0	0	0	0	1	648	0	2	889	445	0	0
Sugar Maple	1	51	2	150	2	207	0	0	0	0	1	364	0	0	0	0	0	0	0	0	6	773	129	0	0
White Oak	4	149	2	123	0	0	1	183	1	234	0	0	0	0	0	0	0	0	0	0	8	690	86	0	0
Black Oak	1	33	2	123	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	155	52	0	0
White Pine	0	0	0	0	0	0	1	128	0	0	0	0	0	0	0	0	0	0	0	0	1	128	128	0	0
Cucumbertree	1	51	1	75	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	126	63	0	0
Black Locust	0	0	0	0	1	98	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	98	98	0	0
<b>Total</b>	<b>31</b>	<b>1,374</b>	<b>76</b>	<b>6,841</b>	<b>97</b>	<b>14,376</b>	<b>118</b>	<b>24,862</b>	<b>112</b>	<b>31,887</b>	<b>83</b>	<b>30,608</b>	<b>77</b>	<b>34,559</b>	<b>39</b>	<b>20,650</b>	<b>15</b>	<b>9,783</b>	<b>12</b>	<b>9,431</b>	<b>660</b>	<b>184,372</b>	<b>279</b>		

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 7 - 21 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	11	442	38	3,738	56	9,004	87	20,002	100	30,272	75	30,044	56	26,973	29	16,235	8	5,318	4	2,859	464	144,886	312	0	0
Black Cherry	9	329	15	1,373	18	2,091	31	5,394	16	4,101	8	3,049	2	844	0	0	0	0	0	99	17,182	174	0	0	
Red Maple	12	530	11	998	14	1,885	12	2,154	11	2,689	6	1,993	3	1,123	1	563	0	0	0	70	11,935	171	0	0	
N. Red Oak	0	0	3	238	6	800	4	912	6	1,846	5	1,532	4	1,959	0	0	2	907	0	30	8,193	273	0	0	
Scarlet Oak	0	0	0	0	0	0	0	0	1	334	1	284	0	0	0	0	0	0	1	855	3	1,473	491	0	0
Black Oak	0	0	0	0	0	0	0	0	0	0	1	364	0	0	0	0	0	0	0	1	364	364	0	0	
Cucumbertree	0	0	0	0	0	0	0	0	1	344	0	0	0	0	0	0	0	0	0	1	344	344	0	0	
Sugar Maple	0	0	0	0	0	0	1	183	0	0	0	0	0	0	0	0	0	0	0	1	183	183	0	0	
White Oak	0	0	0	0	0	0	1	183	0	0	0	0	0	0	0	0	0	0	0	1	183	183	0	0	
Chestnut Oak	1	32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	32	32	0	0	
<b>Total</b>	<b>33</b>	<b>1,333</b>	<b>67</b>	<b>6,348</b>	<b>94</b>	<b>13,780</b>	<b>136</b>	<b>28,829</b>	<b>135</b>	<b>39,585</b>	<b>96</b>	<b>37,265</b>	<b>65</b>	<b>30,899</b>	<b>30</b>	<b>16,798</b>	<b>10</b>	<b>6,225</b>	<b>5</b>	<b>3,714</b>	<b>671</b>	<b>184,775</b>	<b>275</b>		

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 8 - 28 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	12	558	33	2,875	52	7,525	73	14,957	68	18,970	50	17,407	42	18,205	21	11,205	5	2,858	8	5,866	364	100,425	276	0	0
Black Cherry	12	550	29	2,447	38	4,928	28	5,334	19	4,903	10	3,262	9	3,626	1	448	0	0	0	0	146	25,497	175	0	0
N. Red Oak	3	103	6	476	6	837	14	2,839	15	4,045	11	3,748	3	1,496	3	1,219	2	1,055	2	1,119	65	16,938	261	0	0
Red Maple	10	481	24	1,913	20	2,465	17	2,934	9	1,887	4	1,064	1	374	1	324	0	0	0	0	86	11,443	133	0	0
Scarlet Oak	1	32	0	0	2	235	4	794	3	795	5	1,836	5	1,975	1	298	0	0	1	566	22	6,532	297	0	0
Sugar Maple	2	65	7	549	6	755	5	905	7	1,745	2	504	1	258	1	307	1	360	0	0	32	5,447	170	0	0
White Oak	8	298	5	398	8	1,106	1	227	4	1,047	3	869	1	355	1	307	0	0	0	0	31	4,606	149	0	0
Elm	2	62	6	473	12	1,363	1	79	2	443	2	545	0	0	1	505	0	0	0	0	26	3,470	133	0	0
Cucumbertree	0	0	1	100	0	0	3	795	0	0	1	546	2	883	0	0	0	0	0	0	7	2,325	332	0	0
Black Oak	0	0	0	0	1	139	0	0	0	0	1	292	0	0	1	534	0	0	0	0	3	964	321	0	0
Chestnut Oak	1	50	2	146	2	235	0	0	0	0	0	0	0	0	0	0	0	0	0	5	431	86	0	0	
Black Locust	0	0	0	0	0	0	0	0	0	0	1	276	0	0	0	0	0	0	0	0	1	276	276	0	0
Black Walnut	0	0	0	0	0	0	0	0	0	0	1	276	0	0	0	0	0	0	0	0	1	276	276	0	0
American Basswood	0	0	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	71	71	0	0
Black Gum	0	0	1	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	71	71	0	0
Hickories	0	0	0	0	1	61	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	61	61	0	0
<b>Total</b>	<b>51</b>	<b>2,198</b>	<b>115</b>	<b>9,519</b>	<b>148</b>	<b>19,649</b>	<b>146</b>	<b>28,864</b>	<b>127</b>	<b>33,836</b>	<b>91</b>	<b>30,625</b>	<b>64</b>	<b>27,172</b>	<b>31</b>	<b>15,146</b>	<b>8</b>	<b>4,273</b>	<b>11</b>	<b>7,551</b>	<b>792</b>	<b>178,832</b>	<b>226</b>		

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block 9 - 38 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	0	0	7	584	26	4,093	33	7,265	47	14,039	65	25,098	71	33,143	56	32,162	29	20,357	24	20,423	358	157,164	439	0	0
Sugar Maple	22	956	38	3,043	47	5,912	45	8,373	32	7,573	20	6,758	9	3,256	5	2,544	3	2,192	4	2,706	225	43,313	193	27	6
Black Cherry	5	192	2	130	11	1,450	20	4,337	20	5,638	15	5,388	12	5,415	7	3,233	0	0	2	1,849	94	27,631	294	0	0
Red Maple	4	177	14	1,047	21	3,017	32	6,064	14	3,793	11	3,589	10	3,327	3	1,895	0	0	0	0	109	22,908	210	0	0
N. Red Oak	0	0	0	0	3	361	4	770	11	3,198	10	3,594	5	2,435	7	3,926	4	2,663	6	5,298	50	22,245	445	0	0
White Oak	2	84	2	150	9	1,295	10	2,179	6	1,578	6	2,028	3	1,155	1	534	1	631	0	0	40	9,634	241	0	0
Elm	1	31	2	142	1	98	3	643	2	488	0	0	1	571	2	1,289	0	0	0	0	12	3,262	272	0	0
Scarlet Oak	0	0	0	0	0	0	1	259	0	0	0	0	0	0	1	618	0	0	0	0	2	877	438	0	0
Cucumbertree	0	0	0	0	0	0	2	493	0	0	1	364	0	0	0	0	0	0	0	0	3	858	286	0	0
Black Oak	0	0	0	0	0	0	0	0	2	583	0	0	0	0	0	0	0	0	0	0	2	583	292	0	0
American Basswood	0	0	0	0	2	195	1	79	0	0	0	0	0	0	0	0	0	0	0	0	3	275	92	0	0
Chestnut Oak	0	0	0	0	1	101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	101	101	0	0
Hickories	0	0	1	95	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	95	95	0	0
Sweet Birch	0	0	1	77	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	77	77	0	0
<b>Total</b>	<b>34</b>	<b>1,439</b>	<b>67</b>	<b>5,267</b>	<b>121</b>	<b>16,521</b>	<b>151</b>	<b>30,463</b>	<b>134</b>	<b>36,888</b>	<b>128</b>	<b>46,820</b>	<b>111</b>	<b>49,302</b>	<b>82</b>	<b>46,201</b>	<b>37</b>	<b>25,843</b>	<b>36</b>	<b>30,277</b>	<b>901</b>	<b>289,021</b>	<b>321</b>	<b>27</b>	<b>6</b>



**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

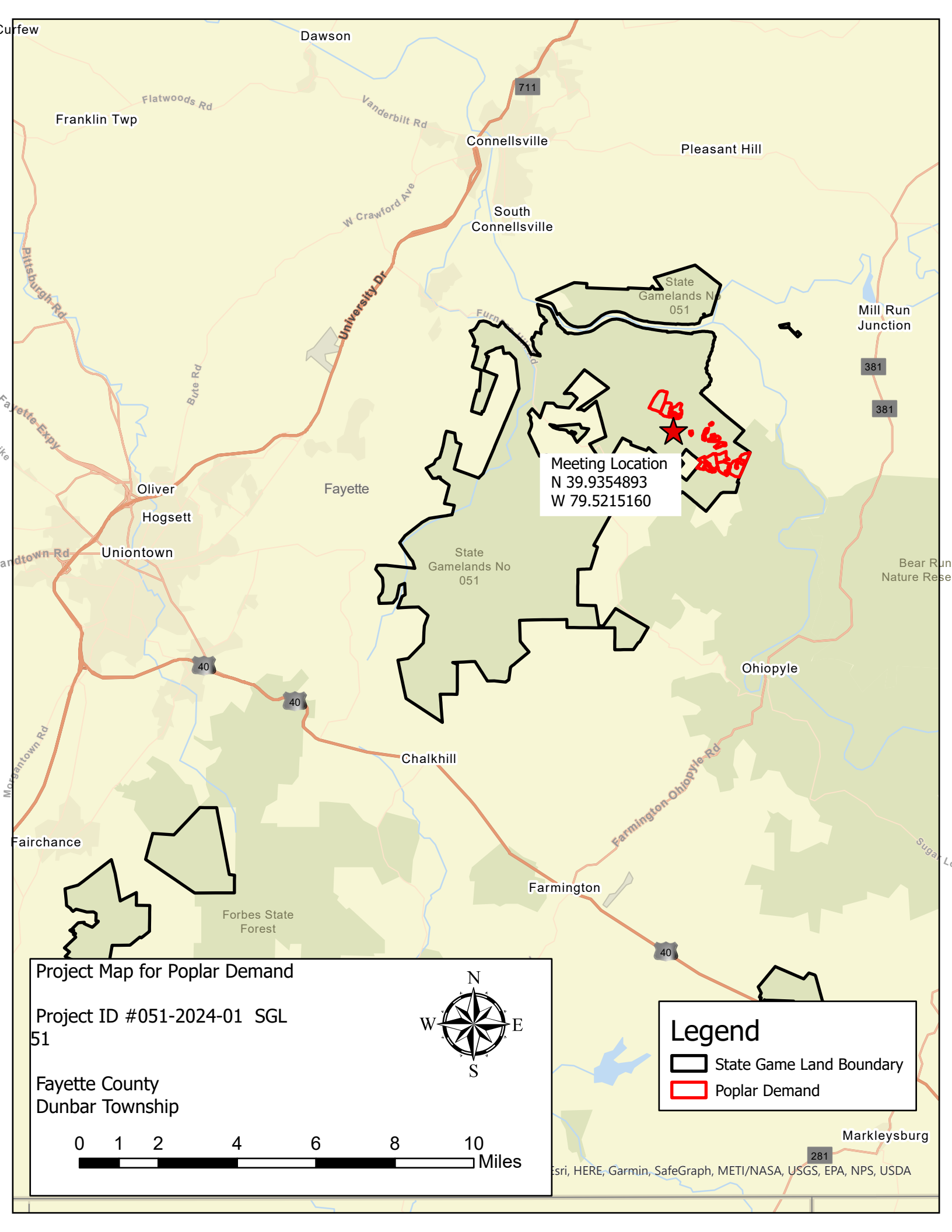
Block 10 - 13 acres																									
Species	10"-12" DBH		14" DBH		16" DBH		18" DBH		20" DBH		22" DBH		24" DBH		26" DBH		28" DBH		30"+ DBH		Sawtimber Totals			Pulpwood	
	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Volume	Avg Vol Per Tree	Trees	Tons
Yellow-poplar	3	127	1	115	3	390	11	2,791	23	7,223	26	11,639	34	17,850	17	11,100	12	9,205	13	11,256	143	71,697	501	0	0
Sugar Maple	2	65	7	571	7	861	10	2,040	12	2,768	8	2,460	8	3,082	1	635	1	360	0	0	56	12,842	229	18	8
N. Red Oak	0	0	0	0	0	0	0	0	1	308	3	1,147	2	1,275	1	670	1	666	0	0	8	4,065	508	0	0
Black Cherry	0	0	0	0	1	146	3	854	6	1,654	0	0	1	470	1	563	0	0	0	0	12	3,688	307	0	0
Red Maple	0	0	0	0	1	146	0	0	1	247	1	308	0	0	0	0	1	794	0	0	4	1,495	374	0	0
American Beech	0	0	1	83	1	115	0	0	1	324	1	324	0	0	0	0	0	0	0	0	4	846	211	0	0
Yellow Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	749	0	0	0	0	1	749	749	0	0
Elm	0	0	1	95	0	0	1	173	0	0	0	0	0	0	0	0	0	0	0	0	2	268	134	0	0
American Basswood	0	0	0	0	0	0	1	173	0	0	0	0	0	0	0	0	0	0	0	0	1	173	173	0	0
<b>Total</b>	<b>5</b>	<b>193</b>	<b>10</b>	<b>864</b>	<b>13</b>	<b>1,659</b>	<b>27</b>	<b>6,031</b>	<b>44</b>	<b>12,523</b>	<b>39</b>	<b>15,877</b>	<b>45</b>	<b>22,677</b>	<b>21</b>	<b>13,717</b>	<b>15</b>	<b>11,024</b>	<b>13</b>	<b>11,256</b>	<b>232</b>	<b>95,822</b>	<b>413</b>	<b>18</b>	<b>8</b>

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block All - 287 acres - Pulp Tree Stand and Stock Table																						
Species	2" DBH		4" DBH		6" DBH		8" DBH		10" DBH		12" DBH		14" DBH		16" DBH		18" DBH		20"+ DBH		Pulpwood	
	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	Total Trees	Total Tons
Red Maple	0	0	0	0	155	18	262	57	1,401	526	852	506	15	14	1	1	5	8	0	0	2,691	1,131
Aspen	0	0	0	0	8	1	19	3	42	10	74	35	88	71	84	106	54	99	24	61	407	436
Yellow-poplar	0	0	0	0	71	4	125	29	219	103	85	64	7	8	8	12	2	4	4	10	522	237
Black Cherry	0	0	0	0	11	1	22	5	68	29	188	134	2	2	2	3	0	0	0	0	293	174
Sweet Birch	0	0	0	0	17	2	20	4	269	90	62	34	8	7	0	0	5	8	0	0	381	145
N. Red Oak	0	0	0	0	14	1	32	6	50	18	29	17	2	2	0	0	0	0	0	0	126	43
Sugar Maple	0	0	0	0	45	5	71	17	39	16	3	2	0	0	0	0	0	0	0	0	158	40
Sassafras	0	0	0	0	8	1	19	3	76	18	29	12	0	0	0	0	0	0	0	0	132	33
Chestnut Oak	0	0	0	0	4	0	15	3	52	19	11	6	2	2	1	1	0	0	0	0	85	32
Cucumbertree	0	0	0	0	18	1	24	6	41	19	7	5	0	0	0	0	0	0	0	0	90	31
Black Gum	0	0	0	0	17	2	10	1	2	0	35	14	0	0	0	0	0	0	0	0	64	18
White Oak	0	0	0	0	10	1	22	4	29	10	2	1	0	0	0	0	0	0	0	0	63	16
Black Locust	0	0	0	0	4	0	20	3	17	4	4	2	2	1	0	0	0	0	0	0	47	10
Hickories	0	0	0	0	16	2	26	4	12	3	3	1	0	0	0	0	0	0	0	0	57	9
Elm	0	0	0	0	1	0	2	0	5	1	5	2	0	0	0	0	0	0	0	0	13	4
American Beech	0	0	0	0	3	0	3	1	3	1	0	0	0	0	0	0	0	0	0	0	9	2
American Basswood	0	0	0	0	0	0	4	1	3	1	0	0	0	0	0	0	0	0	0	0	7	2
Scarlet Oak	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	1
Black Oak	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
White Pine	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
<b>Total</b>					<b>404</b>	<b>41</b>	<b>696</b>	<b>146</b>	<b>2,329</b>	<b>871</b>	<b>1,388</b>	<b>835</b>	<b>127</b>	<b>107</b>	<b>96</b>	<b>123</b>	<b>66</b>	<b>119</b>	<b>28</b>	<b>71</b>	<b>5,148</b>	<b>2,365</b>

**The Pennsylvania Game Commission**  
**SGL #51 - POPLAR DEMAND Timbersale**  
**Scribner Rule (BDFT) - All Volumes are Estimates**

Block All - 287 acres - Large Tree Stand and Stock Table																					
Species	<30" DBH		30" DBH		32" DBH		34" DBH		36" DBH		38" DBH		40" DBH		>40" DBH		Sawtimber Totals			Pulpwood	
	#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
Yellow-poplar	3,147	976,965	55	41,463	19	15,735	7	6,213	2	2,079	1	650	1	1,024	0	0	3,232	1,044,129	323	522	237
Red Maple	1,297	184,425	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1,297	184,425	142	2,691	1,131
Black Cherry	901	156,874	1	777	1	1,073	0	0	0	0	0	0	0	0	0	0	903	158,723	176	293	174
N. Red Oak	330	94,328	4	2,607	3	2,474	3	3,248	0	0	1	1,306	0	0	0	0	341	103,963	305	126	43
Sugar Maple	335	61,296	3	1,735	0	0	1	971	0	0	0	0	0	0	0	0	339	64,002	189	158	40
White Oak	116	18,082	0	0	0	0	0	0	0	0	0	0	0	0	0	0	116	18,082	156	63	16
Cucumbertree	82	14,029	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	14,029	171	90	31
Scarlet Oak	39	10,641	2	1,421	0	0	0	0	0	0	0	0	0	0	0	0	41	12,063	294	2	1
Sweet Birch	89	10,407	0	0	0	0	0	0	0	0	0	0	0	0	0	0	89	10,407	117	381	145
Elm	44	7,155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	44	7,155	163	13	4
Chestnut Oak	82	6,981	0	0	0	0	0	0	0	0	0	0	0	0	0	0	82	6,981	85	85	32
American Basswood	29	4,797	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29	4,797	165	7	2
Black Oak	14	2,793	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	2,793	200	1	0
Sassafras	25	1,762	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	1,762	70	132	33
Black Locust	13	1,064	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	1,064	82	47	10
American Beech	5	1,035	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1,035	207	9	2
Hickories	13	916	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	916	70	57	9
Bur Oak	2	889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	889	445	0	0
Yellow Birch	1	749	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	749	749	0	0
White Pine	4	652	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	652	163	1	0
Aspen	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	407	436
Black Gum	6	424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	424	71	64	18
Black Walnut	1	276	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	276	276	0	0
Black Cherry - dead	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
<b>Total</b>	<b>6,576</b>	<b>1,556,540</b>	<b>65</b>	<b>48,003</b>	<b>23</b>	<b>19,281</b>	<b>11</b>	<b>10,432</b>	<b>2</b>	<b>2,079</b>	<b>2</b>	<b>1,956</b>	<b>1</b>	<b>1,024</b>			<b>6,680</b>	<b>1,639,316</b>	<b>4,618</b>	<b>5,148</b>	<b>2,365</b>

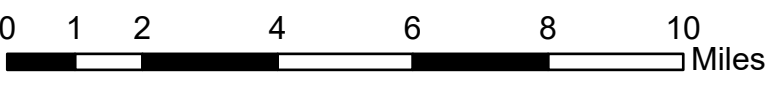



Meeting Location  
N 39.9354893  
W 79.5215160

Project Map for Poplar Demand

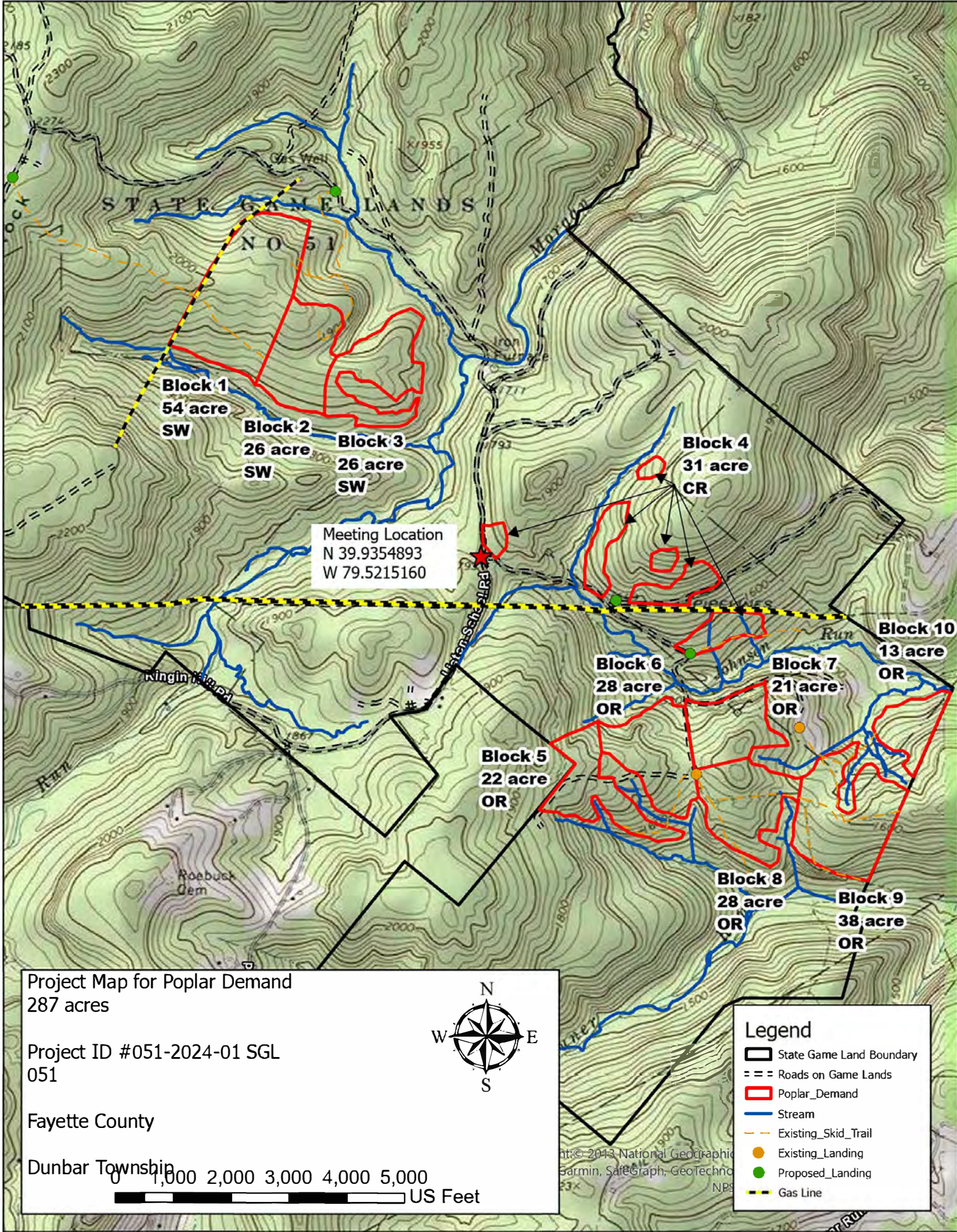
Project ID #051-2024-01 SGL  
51

Fayette County  
Dunbar Township



**Legend**

- State Game Land Boundary
- Poplar Demand



**Block 1**  
54 acre  
SW

**Block 2**  
26 acre  
SW

**Block 3**  
26 acre  
SW

**Block 4**  
31 acre  
CR

Meeting Location  
N 39.9354893  
W 79.5215160

**Block 6**  
28 acre  
OR

**Block 7**  
21 acre  
OR

**Block 10**  
13 acre  
OR

**Block 5**  
22 acre  
OR

**Block 8**  
28 acre  
OR

**Block 9**  
38 acre  
OR

Project Map for Poplar Demand  
287 acres

Project ID #051-2024-01 SGL  
051

Fayette County

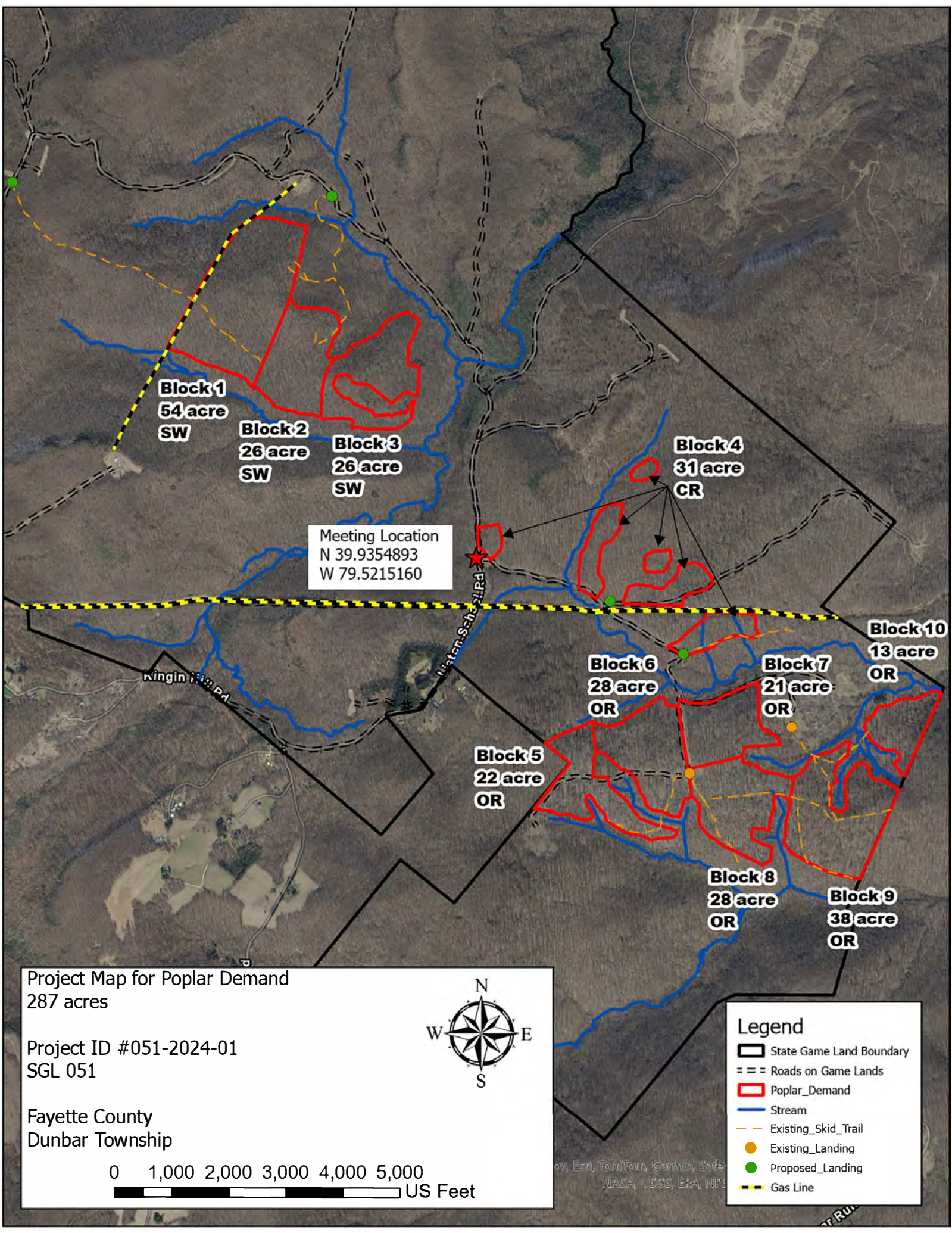
Dunbar Township



**Legend**

- State Game Land Boundary
- Roads on Game Lands
- Poplar Demand
- Stream
- Existing Skid Trail
- Existing Landing
- Proposed Landing
- Gas Line

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Garmin, SafeGraph, GeoTechno  
NPS



**Block 1**  
54 acre  
SW

**Block 2**  
26 acre  
SW

**Block 3**  
26 acre  
SW

Meeting Location  
N 39.9354893  
W 79.5215160

**Block 4**  
31 acre  
CR

**Block 6**  
28 acre  
OR

**Block 7**  
21 acre  
OR

**Block 10**  
13 acre  
OR

**Block 5**  
22 acre  
OR

**Block 8**  
28 acre  
OR

**Block 9**  
38 acre  
OR

Project Map for Poplar Demand  
287 acres

Project ID #051-2024-01  
SGL 051

Fayette County  
Dunbar Township

0 1,000 2,000 3,000 4,000 5,000  
US Feet



**Legend**

- State Game Land Boundary
- Roads on Game Lands
- Poplar\_Demand
- Stream
- Existing\_Skid\_Trail
- Existing\_Landing
- Proposed\_Landing
- Gas Line

ow, Esri, TomTom, Garmin, Safe  
NASA, USGS, EPA, NPS