STATE GAME LANDS #: <u>257</u> SALE: <u>257-2023-01</u>

NAME: Oak Ridge

PENNSYLVANIA GAME COMMISSION 2001 ELMERTON AVENUE HARRISBURG, PA 17110-9797 ATTN: FORESTRY DIVISION BUREAU

ATTN: FORESTRY DIVISION, BUREAU OF WILDLIFE HABITAT MANAGEMENT

Gentlemen:

In	answer to a rece	nt advertisement f	or lump sum bids	on an estima	ated 175,27	1 board feet	of sawlogs	s and
5,537 tons	s of pulpwood loc	ated on 164 acres	of State Game La	ands No. 25	7, Walker To	wnship, Sch	nuylkill Cou	inty, I
offer the f	ollowing:					-	-	•

\$_____(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 **October 31, 2025.**

ATTACHED IS **CERTIFIED**, **CASHIER'S OR TREASURER'S CHECK OR MONEY ORDER**, (<u>PERSONAL</u>, <u>COMPANY</u>, <u>CORPORATE CHECK OR CASH ARE NOT ACCEPTED</u>), 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 <u>within 45 days</u> 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.

Sincoroly yours

	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 #257.** Bids will be opened in the Bureau of Wildlife Habitat Management, 2001 Elmerton Avenue, Harrisburg, PA 17110-9797, at **2:00 P.M., Monday, January 22, 2024.** 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 #: <u>257</u> SALE #: 257-2023-01

NAME: Oak Ridge

- INSTRUCTIONS TO BIDDERS -

The following information covers details concerning the proposed lump sum sale of an estimated 175,271 board feet of sawlogs and 5,537 tons of pulpwood to be cut from 164 acres of State Game Lands No. 257, Walker 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 <u>January</u> **4, 2024**. Viewers will be met in the parking area along Wildcat Road (40.764858, -75.988794) at 12:00 p.m., and conducted to the sale area.

The timber to be sold will be clearly designated by <u>Andy Weaver</u>, <u>253 Snyder Road</u>, <u>Reading</u>, <u>PA 19605</u>, telephone: 1-610-926-3136, 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 #257.** 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, January 22, 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 **\$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 October 31, 2025.

- PAYMENTS -

The sale is divided into 6 cutting blocks. Payment may be made by:

1. Total payment when agreement is signed.

or

2. Payment by individual block or blocks.

1 – 13% - 25 acres

2 - 16% - 24 acres

3 - 16% - 20 acres

4 - 23% - 25 acres

5 - 26% - 28 acres

6 - 6% - 27 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 though 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.

See 5 Attached Sheet(s).

SPECIAL PROVISIONS FOR THE <u>"OAK RIDGE"</u> TIMBER SALE STATE GAME LANDS # 257

1) ADMINSTRATIVE 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) There is a weight restriction on Wildcat Road and a bond must be posted with Walker Township to haul on the road.
- c) 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.
- 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.
- 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 block 1: All yellow painted trees must be cut through and placed on the ground. The yellow painted trees are either in the designated skid trail corridor or in group openings. No trees will be cut outside of the group openings or the skid trail corridor.
- d) In blocks 2-4: All Red and Blue painted trees must be left standing and not damaged. All trees within reserve islands must be left standing and not damaged. The perimeter of the reserve islands are marked with painted red bands. All other trees 1" in diameter and larger in these blocks must be cut through and placed on the ground.
- e) In blocks 5 and 6: All Red and Blue painted trees must be left standing and not damaged. The individual reserve trees are scattered through both blocks. All unmarked trees 1" in diameter and larger in these blocks must be cut through and placed on the ground.
- f) 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 Wildcat Road. There is a weight restriction on Wildcat Road that will

require a bond be posted with Walker Township.

4) GAME LAND ROADS TO IMPROVE

- a) The timber contractor must maintain 6,300 feet of existing PGC administrative road. The road must have a 12-foot running surface along with a crown and side ditches. Water bars, intercept dips, and water turnouts will be used for draining surface water. Stone will be required on some portions of the road. All stone locations will have the material tailgate spread to a depth of 2 inches. The Regional forester will designate specific locations for stone, intercept dips, water turnouts, and water bars. The side ditches and all disturbed areas must be seeded immediately following grading 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 stone for this project.
 - 1. Stone is for all designated locations on the haul road.
 - 2. Minimum of 400 tons of AASHTO # 3 (similar to 3A modified) stone for the haul road.
 - 3. Receipts may be required to verify the amount of stone.
- d) Haul Road Improvement / 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. All road improvements (if required) must be allowed to settle for 30 days prior to any usage. During that time, no truck activity will be permitted on the newly graded 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.
 - 3. Improvement of the haul road should occur during the time of April 1 to October 10. During times of wet site conditions, no road construction will be permitted.
 - 4. Between October 10 and April 1, road improvements will be permitted providing the following conditions can be
 - The site conditions must be favorable for the shaping of a quality road (Not wet or frozen ground).
 Excavation and grading of the haul road must be able to be completed without creating an erosion hazard.
 - b. Seeding will occur at the completion of the road improvements. 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.
 - 5. All equipment will be cleaned of soil and debris before being moved onto site to prevent spread of invasive species.

6. 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 3 and 6. 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.
- b) Total size of each landing will be less than $\frac{1}{2}$ acre 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 outside of the designated sale area.
- b) Operator is required to follow a designated skid trail in block 1. The approximate location of the center line of the skid trail is marked with orange paint. This trail will require water bars and seeding upon completion.
- c) Skidding of material onto the landings from blocks 2 and 5 will require the crossing of a no-cut travel lane. One crossing site will be allowed for each block. Crossing sites must be approved by the regional forester.
- d) Skidding is not permitted through reserve sale areas or islands.
- e) All material to be removed from all sale blocks must be skidded to the landings.
- f) If a skid trail will be sitting idle for one month or more, they must have open and functional water bars.
- g) 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 AND ROAD

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 $\frac{1}{2}$ " 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 1.5 acres are expected to be seeded at the conclusion of the harvest. The breakdown is as follows:

Log landings 1.0 acres Skid Trails 0.5 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 <u>no-work</u> 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 6 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 October 31, 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 Oak ridge

Sale Name:	Oak ridge	SGL Number:	257
Forester:	Ziegler	Report Date:	09/18/2023
Blocks Numbers in Sale:	1,2,3,4,5,6	Acres:	149.5
County:	Schuylkill	Township:	Walker

The Pennsylvania Game Commission SGL #257 - Oak ridge Timbersale Scribner Rule (BDFT) - All Volumes are Estimates

				Sale S	ummary	by Harve	st Block							
		Area			Sawtii	mber			Pulp	wood			Culls	
Block Number	Acres	% of Sale	Harvest Type	Method	BDFT	Per Acre	% of Sale	Method	Tons	Per Acre	% of Sale	2 - 4"	6 - 10"	12 +
1	25	17%	Group Selection	100% Tally	22,733	903	13%	100% Tally	344	14	6%	1,489	159	74
2	24	16%	Clearcut with Reserves	BAF 10 Plot	28,470	1,172	16%	BAF 10 Plot	1,112	46	20%	3,810	1,562	67
3	20	13%	Clearcut with Reserves	BAF 10 Plot	27,269	1,387	16%	BAF 10 Plot	831	42	15%	4,505	1,000	158
4	25	17%	Clearcut with Reserves	BAF 10 Plot	40,797	1,649	23%	BAF 10 Plot	1,192	48	22%	9,157	874	301
5	28	19%	Clearcut with Reserves	BAF 10 Plot	44,716	1,575	26%	BAF 10 Plot	1,158	41	21%	3,395	2,379	150
6	27	18%	Clearcut with Reserves	BAF 10 Plot	11,287	414	6%	BAF 10 Plot	899	33	16%	5,961	2,903	168
Total	150	100%			175,271		100%		5,537	37	100%	28,318	8,877	919

Pulpwood was sampled in block(s) 2, 3, 4, 5, 6 with a precision of +/- 10.2% (90% C.I.)

Sawtimber was sampled in block(s) 2, 3, 4, 5, 6 with a precision of +/- 15.4% (90% C.I.)

										Bloc	k All	- 150	acre	S											
		"-12" BH	14"	DBH	16'	' DBH	18'	' DBH	20"	DBH	22"	DBH	24"	DBH	26"	DBH	28"	DBH		0"+ BH	Saw	timber To	otals	Pulpy	wood
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	815	30,905	801	48,520	230	23,411	67	7,970	14	1,948	5	641	1	251	0	0	0	0	0	0	1,933	113,646	59	9,109	2,809
N. Red Oak	63	2,809	76	4,674	52	5,560	33	4,355	7	1,631	0	0	0	0	0	0	0	0	0	0	231	19,030	82	446	97
Scarlet Oak	46	1,712	78	4,599	44	4,941	7	922	0	0	0	0	6	2,621	0	0	0	0	0	0	181	14,795	82	925	232
Red Maple	36	1,949	55	4,731	20	2,443	0	0	0	0	0	0	0	0	0	0	0	0	0	0	111	9,123	82	4,350	877
Sweet Birch	29	1,230	59	3,273	19	1,591	18	2,511	0	0	0	0	0	0	0	0	0	0	0	0	125	8,606	69	1,793	439
White Oak	4	167	48	3,618	13	1,430	8	1,206	1	172	0	0	0	0	0	0	0	0	0	0	74	6,594	89	261	64
Black Gum	0	0	11	531	14	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25	1,365	55	4,476	603
Sassafras	16	484	12	520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	1,005	37	2,269	322
Black Oak	0	0	0	0	9	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	573	65	151	27
Chestnut Oak - dead	0	0	12	535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	535	46	64	5
Eastern Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	211	37
Scarlet 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	35	11
Serviceberry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	7
Gray Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	6
Pitch Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
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	1	0
Spruce	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
Total	1,010	39,257	1,151	71,002	400	40,783	133	16,965	22	3,752	5	641	7	2,872							2,727	175,271	64	24,189	5,537

											Dlag	k 1 - 2	25.00	**											
		'-12" BH	14"	DBH	16"	DBH	18"	DBH	20"	DBH					26"	DBH	28"	DBH)"+ BH	Sav	vtimber T	otals	Pulpy	wood
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	Ton
Chestnut Oak	34	1,420	90	6,387	51	5,487	28	3,386	14	1,948	1	125	1	251	0	0	0	0	0	0	219	19,004	87	322	126
White Oak	4	167	2	175	4	516	2	367	1	172	0	0	0	0	0	0	0	0	0	0	13	1,398	108	8	5
N. Red Oak	0	0	2	106	2	293	1	194	1	182	0	0	0	0	0	0	0	0	0	0	6	773	129	2	1
Sweet Birch	1	33	5	330	3	239	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	603	67	49	16
Red Maple	5	250	2	130	2	177	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	557	62	255	56
Scarlet Oak	2	63	4	263	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	327	54	4	2
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	807	114
Chestnut 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	1	0
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	12
Eastern Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	79	12
Pitch Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
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	1	0
Serviceberry	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
Spruce	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
Total	46	1,935	106	7,461	62	6,713	31	3,946	16	2,302	1	125	1	251							263	22,733	86	1,606	344

											B	lock 2	- 24	acres											
		'-12" BH	14"	DBH	16"	DBH	18"	DBH	20"	DBH	22"	DBH	24"	DBH	26"	DBH	28"	DBH)"+ BH	Sav	wtimber T	otals	Pulp	wood
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	147	5,819	72	4,896	27	3,076	22	3,201	0	0	0	0	0	0	0	0	0	0	0	0	267	16,993	64	1,750	542
N. Red Oak	16	878	24	1,203	37	4,337	0	0	6	1,450	0	0	0	0	0	0	0	0	0	0	83	7,868	95	113	32
Scarlet Oak	16	516	0	0	18	1,498	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	2,014	58	73	15
Sweet Birch	0	0	12	586	0	0	7	1,009	0	0	0	0	0	0	0	0	0	0	0	0	19	1,595	83	792	182
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	1,166	158
Red Maple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	744	148
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	29
Eastern Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37	7
Total	179	7,213	108	6,686	82	8,911	29	4,211	6	1,450											404	28,470	70	4,934	1,112

											Ble	ock 3	- 20 a	acres											
		"-12" BH	14"	DBH	16"	DBH	18"	DBH	20"	DBH	22"	DBH	24"	DBH	26"	DBH	28"	DBH)"+ BH	Sa	wtimber T	otals	Pulpy	wood
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	181	8,488	61	3,662	39	3,639	6	504	0	0	4	516	0	0	0	0	0	0	0	0	291	16,809	58	1,086	396
Sweet Birch	28	1,196	31	1,790	16	1,352	0	0	0	0	0	0	0	0	0	0	0	0	0	0	74	4,338	59	388	106
Scarlet Oak	28	1,132	10	747	8	1,055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	46	2,934	64	343	97
N. Red Oak	0	0	20	1,889	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	20	1,889	92	87	11
White Oak	0	0	0	0	0	0	6	839	0	0	0	0	0	0	0	0	0	0	0	0	6	839	136	0	0
Black Gum	0	0	10	460	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	460	45	194	25
Red Maple	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	724	123
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	300	47
Eastern Hemlock	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	96	19
Gray Birch	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	31	6
Total	236	10,817	133	8,548	63	6,045	12	1,343			4	516									448	27,269	61	3,248	831

ī																									
											Bl	ock 4	- 25 a	acres											
		'-12" BH	14'	' DBH	16"	DBH	18"	DBH	20"	DBH	22"	DBH	24"	DBH	26"	DBH	28"	DBH)"+ BH	Sav	wtimber T	otals	Pulp	wood
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	218	7,349	231	14,445	68	7,095	11	879	0	0	0	0	0	0	0	0	0	0	0	0	528	29,767	56	2,362	684
Scarlet Oak	0	0	18	825	0	0	0	0	0	0	0	0	6	2,621	0	0	0	0	0	0	24	3,446	144	35	13
N. Red Oak	0	0	18	895	14	931	11	1,542	0	0	0	0	0	0	0	0	0	0	0	0	42	3,369	80	0	0
Red Maple	0	0	18	1,878	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18	1,878	106	934	174
Sweet Birch	0	0	0	0	0	0	11	1,502	0	0	0	0	0	0	0	0	0	0	0	0	11	1,502	139	328	84
Black Gum	0	0	0	0	14	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	834	61	1,572	194
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260	33
Scarlet 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	35	11
Total	218	7,349	285	18,043	95	8,861	32	3,923					6	2,621							637	40,797	64	5,526	1,192

										I	Block	5 - 2	8 acre	es											
	es #1R VOL #1R													timber T	otals	Pulp	wood								
Species	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL	#TR	VOL			Avg Vol Per Tree	Trees	Tons
Chestnut Oak	204	7,329	300	16,982	44	4,113	0	0	0	0	0	0	0	0	0	0	0	0	0	0	549	28,424	52	2,019	632
N. Red Oak	31	1,389	12	581	0	0	21	2,620	0	0	0	0	0	0	0	0	0	0	0	0	64	4,590	72	130	32
White Oak	0	0	46	3,443	9	914	0	0	0	0	0	0	0	0	0	0	0	0	0	0	55	4,357	79	230	51
Scarlet Oak	0	0	23	1,689	9	1,192	7	922	0	0	0	0	0	0	0	0	0	0	0	0	39	3,804	98	222	44
Red Maple	16	848	12	581	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	1,429	52	607	129
Sassafras	16	484	12	520	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	27	1,005	37	957	149
Black Oak	0	0	0	0	9	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	573	65	116	22
Chestnut Oak - dead	0	0	12	535	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	535	46	0	0
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	237	52
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	238	42
Serviceberry	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	63	7
Total	267	10,050	416	24,331	71	6,793	28	3,542	•		•										782	44,716	57	4,819	1,158

											Bl	ock 6	- 27	acres											
		"-12" BH	14"	DBH	16"	DBH	18"	DBH	20"	DBH	22"	DBH	24"	DBH	26"	DBH	28"	DBH)"+ BH	Sa	wtimber T	otals	Pulpy	wood
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	16	851	23	2,142	18	2,265	0	0	0	0	0	0	0	0	0	0	0	0	0	0	57	5,258	93	1,085	247
Chestnut Oak	32	500	46	2,149	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	78	2,649	34	1,571	429
Scarlet Oak	0	0	23	1,074	9	1,196	0	0	0	0	0	0	0	0	0	0	0	0	0	0	32	2,270	71	248	61
Sweet Birch	0	0	12	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	568	49	0	0
N. Red Oak	16	542	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16	542	34	114	22
Chestnut 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	63	5
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	500	69
Sassafras	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	417	52
White Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23	8
Black Oak	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	35	5
Total	63	1,893	104	5,933	27	3,461															194	11,287	58	4,056	899

						В	lock A	.11 - 15	0 acre	s - Pul	p Tree	Stanc	l and	Stock	Tabl	e						
	2" 1	DBH	4"]	DBH	6" I	DBH	8" I	DВН	10"	DBH	12" I	OBH	14"	DBH	16"	DBH	18"	DBH	20"+	- DBH	Pulp	wood
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
Chestnut Oak	0	0	0	0	1,553	136	2,884	592	3,424	1,272	1,175	690	118	100	11	13	7	11	0	0	9,173	2,814
Red Maple	0	0	0	0	2,524	301	1,007	219	624	234	177	105	19	16	0	0	1	2	0	0	4,351	877
Black Gum	0	0	0	0	3,163	347	870	118	281	66	134	54	29	18	0	0	0	0	0	0	4,476	603
Sweet Birch	0	0	0	0	542	70	711	140	392	131	98	53	43	36	8	9	0	0	0	0	1,793	439
Sassafras	0	0	0	0	1,246	137	715	97	230	54	68	27	10	7	0	0	0	0	0	0	2,269	322
Scarlet Oak	0	0	0	0	189	17	399	79	331	120	32	19	10	9	0	0	0	0	0	0	960	243
N. Red Oak	0	0	0	0	182	17	175	34	47	17	33	19	0	0	9	11	0	0	0	0	446	97
White Oak	0	0	0	0	63	6	106	21	68	24	24	13	0	0	0	0	0	0	0	0	261	64
Eastern Hemlock	0	0	0	0	108	10	54	10	49	16	1	1	0	0	0	0	0	0	0	0	211	37
Black Oak	0	0	0	0	0	0	106	16	45	11	0	0	0	0	0	0	0	0	0	0	151	27
Serviceberry	0	0	0	0	64	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	64	7
Gray Birch	0	0	0	0	0	0	31	6	0	0	0	0	0	0	0	0	0	0	0	0	31	6
Pitch Pine	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	2	1
Spruce	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Shortleaf Pine	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total					9,633	1,048	7,059	1,331	5,493	1,945	1,740	981	228	186	28	33	8	13			24,189	5,537

PGC TIMBER SALE Oak Ridge STATE GAME LANDS NO. 257 257-2023-01

TIMBER SALE COST ESTIMATE

NEW ROAD CONSTRUCTION -	0 FEET	
Machine/Labor		0
Tons AASHTO #3		0
Tons AASHTO #4		0
Culvert Pipes		0
Seed		0
		\$0.00
EXISTING ROAD IMPROVEMENT -	6300 FEET	
Machine/Labor		0
Tons AASHTO #3		0
Tons AASHTO #4		0
Culvert Pipes		0
Seed		0.00
LANDINGS		\$0.00
LANDINGS		2 200 00
Machine/Labor		2,800.00
Seed, Lime, Fertilizer		1,600.00
SKID TRAILS		\$4,400.00
Machine/Labor		800.00
Seed		150.00
		\$950.00
ROAD RETIREMENT		, , , , , , , , , , , , , , , , , , , ,
Machine/Labor		2,500.00
Tons AASHTO #3		9,600.00
Tons AASHTO #4		0.00
Seed		0.00
		\$12,100.00
MISC. COSTS		A 2 2 2
Total		\$0.00
TOTAL COST ESTIMATE		\$17,450.00



