U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE **INTEGRATED RESOURCE CONTRACT** (Applicable to Contracts with Measurement before Harvest)		**Name of Contractor**	
National Forest Chattahoochee/Oconee	**Ranger District** Chattooga River	**Region** Southern	**Contract Number**
Contract Name Toccoa Ridges 2		**Award Date**	**Termination Date** 09/30/2018

The parties to this contract are The United States of America, acting through the Forest Service, United States Department of Agriculture, hereinafter called Forest Service, and _____ hereinafter called Contractor.

Unless provided otherwise herein, Forest Service agrees to sell and permit Contractor to cut and remove Included Timber and Contractor agrees to purchase, cut, and remove Included Timber and complete required stewardship projects.

IN WITNESS WHEREOF, the parties hereto have executed this contract as of the award date.

UNITED STATES OF AMERICA

Two Witnesses:[2/]

By: _____
Contracting Officer

_____
(Name)

_____
(Title)

By: _____
(Contractor) [3/]

_____
(Address)

_____

_____
(Name)

_____
(Title)

_____
(Address)

_____
(Business Address)

I,[4/] _____, certify that I am the _____

Secretary of the corporation named as Contractor herein; that _____

who signed this contract on behalf of Contractor, was then _____

of the corporation; that the contract was duly signed for and in behalf of the corporation by authority of its governing body, and is within the scope of its corporate powers.

_____ **CORPORATE SEAL** [5/]

INSTRUCTIONS:

1/ If Contractor is a corporation, state a "corporation organized and existing under the laws of the State of _____" and specify the State; if Contractor is a partnership, state a "partnership consisting of _____" and specify the names of each partner; and if Contractor is a sole proprietor doing business under an assumed name, state "(n) individual doing business under the name of _____ City of _____, State of _____."

2/ The signatures and addresses of two witnesses are required if Contractor is other than a corporation.

3/ If Contractor is a co-partnership, the signatures should be: XYZ Company, by John Doe, a member of the firm. If Contractor is a corporation, form of signature should be: XYZ Company, by John Doe, President (or other officer or agent) and the seal of the corporation must be impressed or indicated.

4/ The certificate must be completed if Contractor is a corporation.

5/ For companies incorporated in States that require a corporate seal, if the corporation has no corporate seal that fact shall be stated, in which case a scroll or adhesive seal shall follow the corporate name.

EXAMPLE 1/

Subcontractor Certification
Regarding Debarment, Suspension, Ineligibility, and Voluntary Exclusion

Contract Name: _____
National Forest: _____

The prospective subcontractor (participants in lower tier covered transactions) certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this contract by any Federal department or agency.

Where the prospective subcontractor is unable to certify to any of the statements in this certification, such prospective subcontractor shall attach an explanation to this proposal.

Name of Subcontractor: _____
Business Address: _____
_____

_____ _____
Date Signature

1/ It is Contractor's responsibility to have subcontractors complete this certification and to maintain a file of completed certifications. This certification does not need to be returned to the Forest Service, except at the written request of the Contracting Officer.

AT.0 - SPECIFIC CONDITIONS. The following conditions apply to the indicated portions of Division BT - Standard Provisions issued September 2004.

AT.1 - Location and Area, applicable to BT.1

This Contract Area of 2500 acres more or less is located in:

South on 441 S. to Hwy 17 Alt. towards Toccoa for approx. 8 miles. Take Rt. on Bendn Hickory Rd for approx. 3 miles. Take Rt. on Locust Stake Rd. for approx. 1.5 miles into Unit #1. Return to Bendn Hickory Rd., take Rt for approx. 2.5 miles to FSR 316. into Unit # 2. Return to Bendn Hickory Rd. for approx 3 miles and take Rt. onto Deadman Branch for approx .75 miles then take Rt. on to FSR. 170 into Unit # 3.Take Black Mountain Rd. Co. Rd. 171 to FSR 139 and into Unit #4 - Unit # 6.

AT.2 - Volume Estimate and Utilization Standards, applicable to CT.1, CT.2, CT.4, and GT.4

Species	Product	Estimated Quantity *	Unit of Measure	Minimum Specifications				
				Merchantable Tree		Piece Required to be Removed		
				Diameter Breast High (d.b.h.) (inches)	Number of Minimum Pieces per Tree	Length (feet)	Diameter Inside Bark at Small End (inches)	Net Scale in % of Gross Scale
Hardwoods	Sawtimber	17.00	CCF	12.0	1.5	12	8.3	30
Hardwood - Low Grade	Sawtimber	4.00	CCF	12.0	1.5	12	8.3	30
Southern Yellow Pine	Sawtimber	2,409.00	CCF	9.0	1.5	12	6.3	30
Combined Hardwoods	Pulpwood	303.00	CCF	5.0	1	10	3.2	N/A
Combined Softwoods	Pulpwood	1,942.00	CCF	5.0	1	10	3.2	N/A
Total Quantity		4,675.00	CCF					

* Quantities not included here are described in CT.4.

AT.3- Timber Designations, applicable to CT.3; acres are approximate:

	Number	Acres
Clearcutting Units (CT.3.1)		
Specified Road Clearing (CT.3.2)		
Overstory Removal Units (CT.3.3)		
Understory Removal Units (CT.3.4)		
Individual Trees (CT.3.5)		484
Incompletely Measured Payment Units (CT.3.6)		

AT.4 - Timber Payment Rates, applicable to DT.1 and ET.0

AT.4.1 - Escalated Rates, applicable for Species and Products to be Paid for at Rates Escalated under DT.2

Species	Product	Unit of Measure	Rates per Unit of Measure					Base Index
			Base $	Advertised $	Bid Premium $	Bid (Tentative) $	Required Deposits Slash Disposal $	
Not Applicable								

AT.4.2- Flat Rates, applicable for Species and Products to be Paid for at Flat Rates

Species	Product	Unit of Measure	Rates per Unit of Measure				
			Base $	Advertised $	Bid Premium $	Bid (Flat) $	Required Deposits Slash Disposal $
Hardwoods	Sawtimber	CCF	5.00	28.84			.00
Hardwood - Low Grade	Sawtimber	CCF	5.00	5.00			.00
Southern Yellow Pine	Sawtimber	CCF	5.00	9.52			.00
Combined Hardwoods	Pulpwood	CCF	1.00	1.30			.00
Combined Softwoods	Pulpwood	CCF	1.00	1.00			.00

For purposes of convenience in collection and bookkeeping, Bid Rates stated in AT.4 include payment of deposits for contract area betterment required pursuant to 16 USC 576b. Such deposits are not included as Required Deposits defined hereunder.

AT.4.3 - Schedule of Payment Units

Pay-ment Unit No.	App rox. Acres	To be Escalated under AT.4.1 Species	Product	Qty	UOM	Total Tentative Payment $	To be Paid for at Flat Rates under AT.4.2 Species	Product	Qty	UOM	Total Flat Rate Payment $	Total Required Deposits for Slash Disposal $
01	61						Hardwood - Low Grade	Sawtimber	2.00	CCF		.00
							Southern Yellow Pine	Sawtimber	323.00	CCF		
							Combined Hardwoods	Pulpwood	72.00	CCF		
							Combined Softwoods	Pulpwood	387.00	CCF		
							Total PU Quantity And Value		784.00	CCF		
02	40						Southern Yellow Pine	Sawtimber	112.00	CCF		.00
							Combined Hardwoods	Pulpwood	19.00	CCF		
							Combined Softwoods	Pulpwood	118.00	CCF		
							Total PU Quantity And Value		249.00	CCF		
03	71						Hardwoods	Sawtimber	8.00	CCF		.00
							Hardwood - Low Grade	Sawtimber	2.00	CCF		
							Southern Yellow Pine	Sawtimber	373.00	CCF		
							Combined Hardwoods	Pulpwood	152.00	CCF		
							Combined Softwoods	Pulpwood	267.00	CCF		
							Total PU Quantity And Value		802.00	CCF		
04	83						Hardwoods	Sawtimber	3.00	CCF		.00
							Southern Yellow Pine	Sawtimber	355.00	CCF		
							Combined Hardwoods	Pulpwood	39.00	CCF		
							Combined Softwoods	Pulpwood	68.00	CCF		
							Total PU Quantity And Value		465.00	CCF		
05	74						Southern Yellow Pine	Sawtimber	405.00	CCF		.00
							Combined Hardwoods	Pulpwood	0.00	CCF		
							Combined Softwoods	Pulpwood	393.00	CCF		
							Total PU Quantity And Value		798.00	CCF		
06	75						Southern Yellow Pine	Sawtimber	295.00	CCF		.00
							Combined Hardwoods	Pulpwood	6.00	CCF		
							Combined Softwoods	Pulpwood	274.00	CCF		
							Total PU Quantity And Value		575.00	CCF		
07	80						Hardwoods	Sawtimber	6.00	CCF		.00
							Southern Yellow Pine	Sawtimber	546.00	CCF		
							Combined Hardwoods	Pulpwood	15.00	CCF		
							Combined Softwoods	Pulpwood	435.00	CCF		
							Total PU Quantity And Value		1,002.00	CCF		

AT.4.4 - Stewardship Credits, applicable to ET.2.2 and KT-GT.9#

Mandatory Stewardship Projects

Project Number	Project Description	Units of Measure	Quantity	Bid Rate $	Total Credits
1	Smooth Coneflower Herbicide Treatments (over 2 years)	Acres	16.18		

Optional Stewardship Projects

Priority	Project Number	Project Description	Units of Measure	Quantity	Bid Rate $	Total Credits
		Not Applicable				

The following definitions are established for the terms used in AT.4:

Base Rates are the lowest rates of payment for timber that are authorized by this contract. Base Rates remain constant throughout the life of this contract and are not subject to change by rate redetermination, except for reduction under DT.3.1, DT.3.2, or DT.3.3.

Advertised Rates are the minimum acceptable Bid Rates for timber, exclusive of Required Deposits. These rates are those indicated by appraisal, with a cost allowance made for construction of Specified Roads listed in AT.7, but are never less than Base Rates.

Bid Premium Rates are the amounts by which Contractor's bid is in excess of Advertised Rates. The Bid Premium Rates are constant during this contract, except as provided in DT.3.1, DT.3.2, and DT.3.3.

Bid Rates are the rates bid by Contractor (exclusive of Required Deposits for slash disposal and road maintenance) and are the sum of Advertised Rates and Bid Premium Rates. Until a rate redetermination becomes effective, the Bid Rate for species and products in AT.4.1 is the Tentative Rate that is subject to quarterly adjustment under DT.2; for species and products in AT.4.2, the Bid Rate is the Flat Rate.

Required Deposits are deposits that Contractor may be required to pay for slash disposal (16 USC 490) and road maintenance (16 USC 537). Required Deposits may be adjusted as part of a rate redetermination or a Contract Term Extension. The table shows only Required Deposits for slash disposal; road maintenance deposits, if any, are given in KT-FT.3.2#.

Base Index is the specified average of the lumber or other product selling value index used as the basis for computing adjustment in rates for variance in product selling value, as provided in DT.2.

AT.5 - Indices Used in Quarterly Adjustment, applicable to DT.2

Species	Index Name and Date
Not Applicable	

AT.6 - High Stumps, applicable to GT.4.1.2

Species	Product	Maximum Stump Height (inches)
Hardwoods	Sawtimber	12
Hardwood - Low Grade	Sawtimber	12
Southern Yellow Pine	Sawtimber	12
Combined Hardwoods	Pulpwood	6
Combined Softwoods	Pulpwood	6

AT.7 - Specified Roads, applicable to FT.2

Name and Date of Governing Road Specifications:

Project		Design Class	Approx. Length (mi./km.)	Sheet Numbers and Approval Date	Performance Responsibility		
Road No.	Name				Survey	Design	Construction Staking 1/
	Not Applicable						

1/ Indicate timing, i.e., before clearing (BC) or after clearing (AC). Applicable to FT.2.1.2

AT.8 - Forest Service Engineering Completion Schedule, applicable to FT.2.1

Road No.	Road Name	Type of Work	Completion Date
	Not Applicable		

AT.9 - Fire Precautionary Period, applicable to HT.2

January 01 to December 31, inclusive

AT.10 - Contractor Responsibility to Furnish Crews and Equipment for:

Initial Fire Supression, applicable to HT.3

Within 25 road miles

Fire Suppression Reinforcement, applicable to HT.3.1.2 and HT.3.1.3

Within 50 road miles

AT.11 - Contractor's Obligation per Operations Fire, applicable to HT.4.1

Maximum Amount: $ $2,000

AT.12 - Termination Date, applicable to IT.2

September 30, 2018

AT.13 - Normal Operating Season, applicable to GT.3.1, GT.6.6, IT.2.1, and JT.3

First Period: March 15 to December 15, inclusive

Second Period: _____ to _____, inclusive

AT.14 - Performance Bond, applicable to JT.1

Performance Bond Amount: _____

AT.15 - Downpayment, applicable to E.T.2.1.1

Downpayment Amount: Not Applicable

AT.16 - Periodic Payment Amount, applicable to ET.2.1.3

	Periodic Payment Determination Date	Amount
Initial Payment:	N/A	N/A
Additional Payment:	N/A	N/A

AT.17 - Market-Related Contract Term Addition Producer Price Index, applicable to IT.2.1.2

Index Name: Not Applicable **Index Number:** N/A

AT.18 - Inapplicable Provisions

The following listed provisions are hereby made inapplicable. (Instructions: List by reference number and title.)

ET.4	PAYMENTS NOT RECEIVED

AT.19 - List of Special Provisions in Part KT

The following listed special provisions are attached to and made a part of this contract. Provisions with reference numbers followed by # contain blanks into which data have been entered for this contract. (Instructions: List by reference number, title, and date.)

KT-CT.2.1	UTILIZATION AND REMOVAL OF INCLUDED TIMBER (09/2004)
KT-CT.3.0#	PAYMENT UNIT BOUNDARIES (09/2004)
KT-CT.3.5.5#	INDIVIDUAL TREES (09/2004)
KT-ET.4	PAYMENTS NOT RECEIVED (08/2012)
KT-FT.3.1#	ROAD MAINTENANCE REQUIREMENTS (09/2004)
KT-GT.6.0.1#	REVEGETATION PLAN AND SPECIFICATIONS (09/2004)
KT-GT.6.3.2#	TEMPORARY ROADS (09/2004)
KT-GT.7#	SLASH TREATMENT (09/2004)
KT-GT.8	MEASURING (09/2004)
KT-GT.9#	STEWARDSHIP PROJECTS (09/2004)
KT-HT.2.0.1	TRUCK, TRACTOR, AND POWER SAW MUFFLERS (09/2004)
KT-HT.2.0.2#	FIRE FIGHTING EQUIPMENT (09/2004)
KT-HT.2.2.1	EMERGENCY FIRE PRECAUTIONS (09/2004)
KT-IT.2.3.1#	ADDITION OF NET GROWTH (09/2004)

KT-CT.2.1 - UTILIZATION AND REMOVAL OF INCLUDED TIMBER *(09/2004)*

CT.2(b) notwithstanding, bucking lengths shall be varied to ensure that the maximum sawlog piece that may be left is 2 feet and that the maximum small roundwood piece that may be left is 5 feet.

Where cut trees are identified by paint, the Contractor shall leave stumps of a minimum height to avoid obliterating paint markings that indicate individual trees to be cut.

KT-CT.3.0# - PAYMENT UNIT BOUNDARIES *(09/2004)*

The boundaries of Payment Units are designated as shown in the following table. The trees used for boundary designation are not to be cut.

See Table KT-CT.3.0# - Payment Unit Boundaries, Payment Unit Boundary Designation Table

KT-CT.3.0# - PAYMENT UNIT BOUNDARIES. (9/04) The boundaries of Payment Units are designated as shown in the following table. The trees used for boundary designation are not to be cut.

Payment Unit Boundary Designation Table

Payment Unit	Paint Color	Designation
All	Orange	*Boundary line trees are marked at level with three (3) horizontal slash and a spot at ground level with the level marks facing into the interior Payment Unit* *-Yellow boundary posters with contract name and Payment Unit are stapled to boundary trees and face outward at locations where the Payment Unit boundary intersects or coincides with roads.*

KT-CT.3.5.5# - INDIVIDUAL TREES *(09/2004)*

CT.3.5 notwithstanding, the following individual trees are Marked with paint above and below stump height:

Cut Tree Marking. Individual trees to be cut are Marked in all or parts of the following Payment Units. Areas of cut tree marking are shown on the Contract Area Map with the symbol CTM.

See Table KT-CT.3.5.5# - Individual Trees, Cut Tree Marking

Leave Tree Marking. Individual trees to be left uncut are Marked in all or parts of the following Payment Units. Unmarked trees meeting Utilization Standards in AT.2 shall be cut. Areas of leave tree marking are shown on the Contract Area Map with the symbol LTM.

See Table KT-CT.3.5.5# - Individual Trees, Leave Tree Marking

KT-CT.3.5.5# - INDIVIDUAL TREES.(09/04)) CT.3.5 notwithstanding, the following individual trees are Marked with paint above and below stump height:

Cut Tree Marking. Individual trees to be cut are Marked in all or parts of the following Payment Units. Areas of cut tree marking are shown on the Contract Area Map with the symbol CTM.

1/ Payment Unit(s)	2/ Paint Color
1A, 1B, 1C	Blue
1D	Yellow
2A	Green
2B thru 7	Blue

Leave Tree Marking. Individual trees to be left uncut are Marked in all or parts of the following Payment Units. Unmarked trees meeting Utilization Standards in AT.2 shall be cut. Areas of leave tree marking are shown on the Contract Area Map with the symbol LTM.

1/ Payment Unit(s)	2/ Paint Color
N/A	N/A

KT-ET.4 - PAYMENTS NOT RECEIVED *(08/2012)*

(a) Payments are due and payable on the date of issue indicated on the bill for collection. When a payment for timber cut and other charges is not received at the location designated by Forest Service by the date specified in the bill for collection, Contracting Officer will suspend all or any part of Contractor's Operations until payment or acceptable payment guarantee is received. Other charges include, but are not limited to:

(i) Slash disposal and road maintenance deposits;

(ii) Cooperative work at rates established by specific agreement under ET.2.1.8;

(iii) Damages pursuant to JT.4;

(iv) Road use fees;

(v) Restoration of downpayment pursuant to ET.2.2;

(vi) Periodic payments pursuant to ET.2.1.3;

(vii) Extension Deposits pursuant to ET.2.1.7; and

(viii) Other mandatory deposits.

(b) Failure to pay amounts due by the date specified in the bill for collection shall be considered a breach under JT.3. The 30-day notice period prescribed therein shall begin to run as of the end of business on the date specified for receipt of payments. If the performance or payment is guaranteed by surety bond, the surety will receive a copy of the written notification of breach. Demand will be made on the surety or other institution providing the guarantee or bond instrument for immediate payment 10 days after issuance of written notification of the breach.

(c) Pursuant to the Debt Collection Improvement Act of 1996, as amended, if payment is not received by Forest Service within 15 days after the date of issue indicated on the bill for collection:

(i) Simple interest shall be assessed at the Current Value of Funds Rate as established by the Secretary of the Treasury. Interest will begin to accrue as of the date of issue indicated on the initial bill for collection.

(ii) Debtors will be assessed administrative charges, in addition to the delinquent amount due. Administrative charges are those additional costs incurred by the Government in processing, handling, and collecting delinquent debts.

(iii) A penalty charge of six (6) percent per annum will be assessed on any portion of a debt delinquent more than 90 days. This penalty charge is in addition to interest and administrative charges under paragraphs (c)(i) and (c)(ii). The penalty charge shall accrue from the date of issue indicated on the bill for collection and shall be assessed on all outstanding amounts, including interest and administrative costs assessed under paragraphs (c)(i) and (c)(ii).

(iv) Payments will be credited on the date received by the Federal Depository or Collection Officer designated on the bill for collection.

(d) Forest Service remedies for Contractor's failure to make payment for timber cut and other charges when due, except for accrual of interest, suspension of all or any part of Contractor's Operations, and administrative offset, shall be stayed for so long as:

(i) A bona fide dispute exists as to Contractor's obligation to make such payment and

(ii) Contractor files and prosecutes a timely Claim.

KT-FT.3.1# - ROAD MAINTENANCE REQUIREMENTS *(09/2004)*

Contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

See Contract Road Maintenance Requirements Summary Table.

KT-FT.3.1# - ROAD MAINTENANCE REQUIREMENTS. (9/04) the contractor shall maintain roads in accordance with the following Contract Road Maintenance Requirements Summary:

ROAD MAINTENANCE REQUIREMENTS SCHEDULE

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications									
	From	To		1020	1040	3050	4020	4050	3010				
316	Bendn Hickory	Unit 2	.25	P	P								
170	Co. 110	Unit 3	0.7	P	P		P						
139	Co. 171	Stand	3.5										
187	Co. 380	Unit 6	.3										
214	FS 187	Unit 6	1.5	P	P		P		P				

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		1020	1040	3050	4020	4050					
316	Bendn Hickory	Unit 2	.25	P	P								
170	Co. 110	Unit 3	0.7	P	P								
139	Co. 171	Unit 4	3.5	P	P								
187	Co. 380	Unit 6	.3	P	P		P						
214	FS 187	Unit 6	1.5		P								

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		1020	1040	3050	4020	4050					
316	Bendn Hickory	Unit 2	.25	P	P								
170	Co. 110	Unit 3	0.7	P	P								
139	Co. 171	Stand	3.5	P	P								
187	Co. 380	Unit 6	.3	P	P								
214	FS 187	Unit 6	1.5	P	P		P						

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

KT-GT.6.0.1# - REVEGETATION PLAN AND SPECIFICATIONS *(09/2004)*

Where soil has been disturbed by Contractor's operations and vegetation is needed to minimize erosion, Contractor shall take appropriate measures according to the following specifications or other agreed stabilization measures:

Temporary road cuts, fill slopes, and shoulders shall be seeded and fertilized within 15 days of construction during the seeding season(s).

Temporary road surfaces, landings, and skid trails shall be seeded when not to be used for a period exceeding 60 days during the seeding season(s).

Temporary road cuts, fill slopes, and other soil disturbance within 25 feet slope distance of a streamcourse shall be seeded and mulched within 3 days of the disturbance.

Exposed soil on temporary roads, skid trails and landings no longer needed for the Contractor's operations shall be seeded and fertilized within 30 days of discontinued use during the seeding season(s). Soil tilling to cover seed may be required under dry site conditions.

Bare areas or roads with soil compaction will require harrowing, disking or ripping. Fertilizer shall be applied and mixed thoroughly with the soil prior to seeding. Due to compaction, it may be necessary to till the soil to a depth of 6 inches or more.

The seeding season(s) shall be during the inclusive listed below, unless otherwise agreed.

See KT-GT.6.0.1# - Revegetation Plan and Specifications, Seeding Season(s) Table

The following kinds and amounts per acre of seed and fertilizer shall be applied, unless otherwise agreed:

See KT-GT.6.0.1# - Revegetation Plan and Specifications, Fertilizer and Seed Table

Applicable Mulch at the rate of **3,000** pounds per acre shall be applied. The Forest Service will identify the areas where mulch is required in addition to those specified elsewhere in this contract. Hay, straw, pine straw or shredded bark or other mulch acceptable to the Forest Service may be used as mulching material.

Applicable The Forest Service shall agree to the timing of the seeding operations.

Applicable Seeding operations shall not begin without the presence of a Forest Service representative.

N/A Other revegetation specification: **N/A**

If the Forest Service performs such work as provided under a written cooperative agreement (16 U.S.C. 572), the Contractor shall make the following deposit:

See KT-GT.6.0.1# - Revegetation Plan and Specifications, Cooperative Deposit Table

KT-GT.6.0.1# - REVEGETATION PLAN AND SPECIFICATIONS TABLES

Seeding Season	2/ From Date	2/ To Date
Season 1	September 15	November 15
Season 2	February 15	April 15
Season 3	April 16	June 30

The following kinds and amounts per acre of seed and fertilizer shall be applied, unless otherwise agreed:

3/ Fertilizer	4/ Pounds/Acre	5/ Seed	4/ Pounds/Acre
10-10-10	800	(Fall).Virginia Wild Rye; Wheat; Oats; White ladino Clover	(10 lbs/ac); (15 lbs/ac);(10 lbs/ac) (5 lbs/ac)
		(Spring). Wheat; Oats; Annual Rye Grass; White ladino Clover	(15 lbs/ac); (10 lbs/ac); (10 lbs/ac); (5 lbs/ac)
		(Summer). Browntop Millet; iron clay; sorghum	(25 lbs/ac); peas (25 lbs/ac); (10 lbs/ac)

KT-GT.6.3.2# - TEMPORARY ROADS *(09/2004)*

Applicable Unless otherwise agreed in writing, Temporary Road construction shall not be scheduled to occur outside the seeding season(s) listed in KT-GT.6.0.1#.

Applicable Unless otherwise agreed in writing, Temporary Road construction shall not be scheduled to occur outside the Normal Operating Season(s) listed in AT.13.

The location and clearing widths of all Temporary Roads shall be agreed to and all timber within the clearing limits shall be paid for before construction is started. Temporary roads shall follow the general contour insofar as practical with maximum grades not to exceed **15** percent for lengths up to **100** feet. Construction shall include frequent broad-based dips or breaks in grade as necessary to remove runoff from the road. Clearing width shall not exceed that needed for safe and efficient operations, and the travel way shall not exceed **16** feet except at turnouts and landings. Crossings shall be located perpendicular to any stream or drainage.

Concurrent with Temporary Road construction, the Contractor shall install straw or hay bales, silt fence or brush/slash barriers at the base of the fill along Temporary Roads adjacent to Streamcourses and at other sensitive areas shown on Contract Area Map per the following requirements:

See Table KT-GT.6.3.2# - Temporary Roads, Silt Barrier Table

At Streamcourse crossings, cut and fill slopes and other disturbed areas within 25 feet slope distance of the Streamcourse shall be protected by seeding and mulching **the same day construction occurs**

As necessary to attain stabilization of roadbed and cut and fill slopes of Temporary Roads, the Contractor shall employ such measures as outsloping, revegetation, mulching, drainage dips, water spreading ditches and silt barriers.

Unless otherwise agreed, cut banks and fill slopes shall be sufficiently sloped to facilitate revegetation.

The Contractor shall place and maintain the following depth of gravel or crushed stone on all Temporary Roads at the following locations:

See Table KT-GT.6.3.2# - Temporary Roads, Gravel Requirements Table

Contractor shall maintain all erosion control structures such as silt barriers, water-spreading ditches and broad based dips in a functional condition during Contractor's Operations. Contractor shall stabilize and close to vehicular traffic all Temporary Roads prior to periods of inactivity.

Except for Temporary Roads to remain open under GT.6.3.1, after a Temporary Road has served Contractor's purpose, the Contractor shall give notice to the Forest Service and shall remove bridges and culverts, eliminate ditches, out-slope roadbed, remove ruts, remove outside berms by pulling the material back onto the road surface, effectively block the road to normal vehicular traffic, and build cross ditches and water bars as staked or otherwise marked on the ground by Forest Service unless agreed otherwise in writing. When bridges and culverts are removed, associated fills shall also be removed to the extent necessary to restore channel to natural size, slope and bottom, and to permit normal maximum flow of water and protection of adjacent resources.

KT-GT.6.3.2# - TEMPORARY ROADS. (Continued)

Concurrent with Temporary Road construction, the Contractor shall install straw or hay bales, silt fence or brush/slash barriers at the base of the fill along Temporary Roads adjacent to Streamcourses and at other sensitive areas shown on Sale Area Map per the following requirements:

[5/] Side Slope Percent
10

[6/] Distance From Streamcourse
100'

The Contractor shall place and maintain the following depth of gravel or crushed stone on all Temporary Roads at the following locations:

Location	[8/] Distance (feet)	[9/] Percent Grade	[10/] No. Inches of Gravel or Crushed Stone
Approaches to surfaced roads for a distance back from the surfaced road.	100'	**Not Applicable**	#4
Streamcourse crossings for a distance on either side of the Streamcourse.	50'	**Not Applicable**	#4
Steep grades of short distances	100'	30	#4
Wet or erosive prone soils	100'	**Not Applicable**	#4
Dips, moist sites, erosive prone soils, and fills over culverts	100'	**Not Applicable**	#4

Contractor shall maintain all erosion control structures such as silt barriers, water-spreading ditches and broad based dips in a functional condition during Contractor's Operations. Contractor shall stabilize and close to vehicular traffic all Temporary Roads prior to periods of inactivity.

Except for Temporary Roads to remain open under GT.6.3.1, after a Temporary Road has served Contractor's purpose, the Contractor shall give notice to the Forest Service and shall remove bridges and culverts, eliminate ditches, out-slope roadbed, remove ruts, remove outside berms by pulling the material back onto the road surface, effectively block the road to normal vehicular traffic, and build cross ditches and water bars as staked or otherwise marked on the ground by Forest Service unless agreed otherwise in writing. When bridges and culverts are removed, associated fills shall also be removed to the extent necessary to restore channel to natural size, slope and bottom, and to permit normal maximum flow of water and protection of adjacent resources.

KT-GT.7# - SLASH TREATMENT *(09/2004)*

Slash is defined as all vegetative debris resulting from the Contractor's operations, including limbs, tops, cull logs, bark, wood chunks, pushed-out stumps, damaged brush, and damaged residual trees. Tops from felled trees and all trees to be removed from roads, landings, or other construction clearings shall be completely felled and not left leaning or hanging in other trees. Slash associated with construction of Specified Roads is construction slash subject to treatment according to road construction specifications.

Other Ownership. The Contractor shall conduct operations so that slash does not enter non-National Forest System lands, as shown on Contract Area Map. In event slash is deposited on other ownership, the Contractor shall immediately remove such slash. The Contracting Officer may agree in writing to other treatment requirements if the Contractor provides a written slash disposal agreement between the Contractor and the landowner.

Roads and Other Clearings. Along roads available for public use the Contractor shall immediately remove slash from traveled surfaces, shoulders, and drainage facilities. Other slash along roads available for public use and all slash along roads not available for public use shall be removed from the clearing limits within four days after adjacent skidding or yarding to each landing is complete. In areas where skidding or yarding is delayed or interrupted, slash shall be removed within ten days after being created.

Trails open to public use shall be kept free of slash. Slash within the clearing limits of powerlines, telephone lines, pipelines, and similar clearings shall be removed within ten days after adjacent skidding or yarding to each landing is substantially complete.

Slash removed from roads and other clearings shall be scattered outside the clearing limits, or otherwise disposed of as agreed. The time requirements for completion of slash removal may be changed by written agreement, except where immediate removal is required.

Other Treatment Areas. The Contractor shall complete slash treatment in other areas as described below. The Forest Service and the Contractor shall jointly agree to a schedule for completion of such slash treatment, which shall be included in the Contractor's Annual Operating Schedule required under GT.3.1.

Applicable At or adjacent to log landings, delimbing areas, and similar areas of slash accumulation within **In all Units (1 - 7)** , concentrations of slash greater than **3** feet in height and **20** feet in length, measured at greatest distances, shall be **lopped and scattered to lay within 3 ft of the ground**

Slash treatments described below are required at locations shown on the Contract Area Map by the following symbols:

See Table KT-GT.7# - Slash Disposal, Slash Disposal Requirements Table

KT-GT.7# - SLASH TREATMENT TABLE.

Map Symbol	Title	Treatment
SSS	**Slash Treatment Zone**	Within areas along roads and trails, the Contractor shall lop and scatter all slash to lie within 3 feet of the ground. The boundary of said treatment zone is designated on the ground, or in the absence of such designation, shall be 100 feet measured from the edge of the clearing limit or other feature.

KT-GT.8 - MEASURING *(09/2004)*

The estimated quantity of timber has been determined by tree measurement in accordance with the methods described in the Timber Cruising Handbook (FSH 2409.12), a copy of which may be examined in the Forest Supervisor's or the Ranger's Offices.

KT-GT.9# - STEWARDSHIP PROJECTS *(09/2004)*

Performance of stewardship projects shall be in accordance with the following specifications.

Stewardship Projects

WO-KT-GT.9# - CONSERVATION PROJECTS (9/04):

Schedule of Items

(Complete table to include the project items.)

SCHEDULE OF ITEMS:

Item #	Description	Unit of Measure	Quantity	Unit Price $	Total $
Mandatory Work					
1	Smooth Coneflower Herbicide Treatments (Over 2 years)	Acres	16.15		
Optional Work					

KT-HT.2.0.1 - TRUCK, TRACTOR, AND POWER SAW MUFFLERS *(09/2004)*

Effective muffler systems installed by the manufacturer as standard equipment shall be maintained on exhausts of trucks, power saws and other internal combustion engines used in the Contractor's Operations.

KT-HT.2.0.2# - FIRE FIGHTING EQUIPMENT *(09/2004)*

When the Forest Service advises the Contractor that local fire weather conditions are becoming critical, the Contractor shall keep with gasoline chain saws at all times **a fire rake and a fully-charged fire extinguisher** and take precautionary measures requested by the Forest Service. The Contractor shall act as custodian of fire fighting equipment furnished by the Forest Service. Equipment shall be stored in sealed boxes provided for this purpose and shall be transported to locations in the immediate vicinity of current logging and milling operations on Contract Area. The Forest Service shall be reimbursed for any damage to or loss of fire fighting equipment furnished by the Forest Service, which occurs on Negligently-Caused Fires or as a result of using equipment for unauthorized purposes.

KT-HT.2.2.1 - EMERGENCY FIRE PRECAUTIONS *(09/2004)*

The Contractor shall limit or restrict operations in accordance with the Fire Danger Rating schedule shown below. The Forest Service will determine Fire danger ratings by using the National Fire Danger Rating System.

The Forest Service shall notify the Contractor of predicted fire danger that may limit or restrict operations. In all cases, the actual weather elements shall govern over the predicted weather elements in determining Fire Danger. Fire danger ratings are based on a severity index from A (low) to E (highest).

Fire Danger Rating:	Limitations or Restrictions on Contractor Operations:
A to C:	Normal fire precautionary operations
C+ to D (Very High)	Forest Service may suspend any or all of Contractor's operations.
E (Extreme)	In addition to above restrictions, internal combustion engines or other spark-producing equipment shall not be operated within any areas of the timber sale without specific written approval by the Forest Service.

KT-IT.2.3.1# - ADDITION OF NET GROWTH *(09/2004)*

In event of Contract Term Extension, net growth shall be added to all uncut designated timber, except on the partially cut Payment Units exempt from redetermined rates under DT.1. On the partially cut Payment Units to which redetermined rates apply under DT.1, the Forest Service shall determine the approximate percentages of area remaining uncut. These percentages shall be applied to the original estimates of timber quantity in each Payment Unit to determine the approximate quantity of designated timber remaining in each Payment Unit. The growth percentages listed herein shall be applied to these estimated remaining quantities to obtain total net growth of uncut timber in the partially cut Payment Units. For both un-entered and partially cut Payment Units, the determination of volume subject to addition of growth shall be made as of 45 days prior to the original Termination Date shown in AT.12 with no adjustment for any timber subsequently Released for Cutting or cut and removed prior the effective date of Contract Term Extension. Growth shall be calculated on the basis of total number of full growing seasons from **April 10,2015** until the Termination Date, including any Contract Term Adjustment.

Applicable annual growth percents by species or species groups and products are:

See Table KT-IT.2.3.1# - Addition of Net Growth, Percent Growth Table

Payment for the additional growth in partially cut Payment Units for which growth is applicable shall be made prior to the effective date of Contract Term Extension.

KT-IT.2.3.1# - ADDITION OF NET GROWTH. (09/04) In event of Contract Term Extension, net growth shall be added to all uncut designated timber, except on the partially cut Payment Units exempt from redetermined rates under DT.1. On the partially cut Payment Units to which redetermined rates apply under DT.1, the Forest Service shall determine the approximate percentages of area remaining uncut. These percentages shall be applied to the original estimates of timber quantity in each Payment Unit to determine the approximate quantity of designated timber remaining in each Payment Unit. The growth percentages listed herein shall be applied to these estimated remaining quantities to obtain total net growth of uncut timber in the partially cut Payment Units. For both un-entered and partially cut Payment Units, the determination of volume subject to addition of growth shall be made as of 45 days prior to the original Termination Date shown in AT.12 with no adjustment for any timber subsequently Released for Cutting or cut and removed prior the effective date of Contract Term Extension. Growth shall be calculated on the basis of total number of full growing seasons from [1/] 09/12/2014 until the Termination Date, including any Contract Term Adjustment.

Applicable annual growth percents by species or species groups and products are:

[2/] Species or Species Group	[3/] Product	[4/] Annual Growth Percent
SYP	Sawtimber	4%
All HWD	Sawtimber	2%
Pine Pulp	Pulpwood	8%
Hwd Pulp	Pulpwood	2%

Payment for the additional growth in partially cut Payment Units for which growth is applicable shall be made prior to the effective date of Contract Term Extension.

Contract Name: Toccoa Ridges 2

SECTION 1. GENERAL

Contractor's maintenance responsibility begins (1) after Contractor performs Prehaul Maintenance on a road listed in the Road Maintenance Requirements Schedule; or (2) for all other roads, when Contractor begins to use the road. Occasional travel by Contractor's light vehicles, prior to beginning of construction clearing or logging operations in the area accessed by the road, does not constitute beginning of use. Contractor is not required to perform routine maintenance during periods of inactivity. During periods of inactivity, Forest Service will perform maintenance only as required to meet its needs.

The Contractor shall maintain roads, commensurate with the Contractor's use, in accordance with the Road Maintenance Requirements Summary and Road Maintenance Specifications. Performance of road maintenance work by the Contractor may be required prior to, during, or after each period of use. The timing of work accomplishment shall be based on the Contractor's operating schedule under Standard Provision GT.3.1.

If the Contractor elects to use different roads than those listed in the Road Maintenance Requirements Summary, the Contracting Officer or designee shall determine the Contractor's commensurate share of road maintenance and/or revise road maintenance deposits.

Unless the Contracting Officer or designee agrees in writing otherwise, prehaul maintenance shall be completed on any portion of road prior to hauling on that portion.

The Contractor shall attend to the following situations as they occur and concurrently with sale operations: remove slides, fallen timber and other obstructions and overhanging brush obstructing road sight distance. Excess material resulting from any maintenance activity shall not be placed at locations where it will wash into streams.

The Forest Service shall prepare a revised Road Maintenance Requirements Schedule to reflect changes in the original haul route.

SECTION 2. ROAD MAINTENANCE DEFINITIONS

Wherever the following terms are used in the Road Maintenance Specifications, the meaning shall be:

Base Course. Material placed on the Subgrade to distribute concentrated wheel loads.

Berm. Curb or dike constructed to prevent Roadway runoff water from discharging onto embankment slope.

Borrow. Select Material taken from designated borrow sites.

Crown, Inslope, and Outslope. The cross slope of the Traveled Way to aid in drainage and traffic maneuverability.

Culverts. A conduit or passageway under a road, trail, or other obstruction. A culvert differs from a bridge in that it is usually entirely below the elevation of the Traveled Way.

Drainage Dip. A dip in the Traveled Way which intercepts surface runoff and diverts the water off the
Traveled Way. A Drainage Dip does not block the movement of traffic.

Drainage Structures. Manufactured structures which control the runoff of water from the Roadway including Inslope, overside drains, aprons, flumes, downdrains and downpipes.

Lead-off Ditches. A ditch used to transmit water from a Culvert, Drainage Structure or Drainage Dip outlet to the natural drainage area.

Maintenance Activitiy. Items of work leading to the minor restoration and upkeep of a road and necessary to sustain the road's anticipated traffic.

Material. Any substance specified for use in the performance of the work.

Prehaul Maintenance. Road maintenance work to be accomplished prior to the roads use. Roads receiving prehaul maintenance shall be shown on the Contract Area Map.

Roadbed. The portion of a road between the intersection of Subgrade and sideslopes, excluding that portion of the ditch below Subgrade.

Roadside. A general term denoting the area adjoining the outer edge of the Roadway.

Roadway. The portion of a road within the limits of excavation and embankment.

Shoulder. That portion of Roadway contiguous with Traveled Way for accommodation of stopped vehicles, for emergency use, and lateral support of Base and Surface Course, if any.

Slide. A concentrated deposit of materials from above or on backslope extending onto the Traveled Way or Shoulders, whether caused by mass land movements or accumulated ravelling.

Slough. Material eroded from the backslope which partially or completely blocks the ditch, but does not encroach on the Traveled Way so as to block passage of traffic.

Slump. A localized portion of the Roadbed which has slipped or otherwise become lower than that of the adjacent Roadbed and constitutes a hazard to traffic.

Subgrade. Top surface of Roadbed upon which Base Course or Surface Course is constructed. For roads without Base Course or Surface Course, that portion of Roadbed prepared as the finished wearing surface.

Surface Course. The Material placed on the Base Course or Subgrade to enhance traction, distribute concentrated wheel loads and resist abrasion and the effects of climate. Surface Course may be referred to as surfacing.

Traveled Way. That portion of Roadway, excluding Shoulders, used for the movement of vehicles.

Turnouts. That portion of the Traveled Way constructed as additional width on single lane roads to allow for safe passing of vehicles.

Waterbar. A dip in the Roadbed which intercepts surface runoff and diverts the water off the Roadway. A Waterbar is not designed to be traversable by logging trucks.

SECTION 3. ROAD MAINTENANCE REQUIREMENTS SCHEDULE

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications									
	From	To		1020	1040	3050	4020	4050	3010				
316	Bendn Hickory	Unit 2	.25	P	P								
170	Co. 110	Unit 3	0.7	P	P		P						
139	Co. 171	Stand	3.5										
187	Co. 380	Unit 6	.3										
214	FS 187	Unit 6	1.5	P	P		P		P				

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During Haul Road Maintenance Specifications									
	From	To		1020	1040	3050	4020	4050					
316	Bendn Hickory	Unit 2	.25	P	P								
170	Co. 110	Unit 3	0.7	P	P								
139	Co. 171	Unit 4	3.5	P	P								
187	Co. 380	Unit 6	.3	P	P		P						
214	FS 187	Unit 6	1.5		P								

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Post Haul Road Maintenance Specifications									
	From	To		1020	1040	3050	4020	4050					
316	Bendn Hickory	Unit 2	.25	P	P								
170	Co. 110	Unit 3	0.7	P	P								
139	Co. 171	Stand	3.5	P	P								
187	Co. 380	Unit 6	.3	P	P								
214	FS 187	Unit 6	1.5	P	P		P						

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

SECTION 4. ROAD MAINTENANCE ACTIVITY SPECIFICATIONS

INCLUDED SPECIFICATIONS

Activity No.	Activity Specification Title
1020	Surface Blading (Dozer)
1040	Spot Surface Course Placement
3010	Drainage Structures
4020	Roadway Mowing and Clearing

ACTIVITY 1020 - SURFACE BLADING (DOZER)

DESCRIPTION

1.1 Surface blading is keeping a native or aggregate surfaced Roadbed in a condition to facilitate traffic and provide proper drainage. It includes maintaining the Crown, Inslope or Outslope of the Traveled Way, Turnouts, and Shoulder; repairing Berms; blending approach road intersections; and cleaning bridge decks, Drainage Dips, and Lead-off Ditches. This work may be accomplished using a crawler tractor with a dozer blade capable of angling.

REQUIREMENTS

3.1 Surface blading shall be performed before, during, and after Contractor's use as often as necessary to facilitate traffic and proper drainage.

3.2 The surface blading shall preserve the existing cross-section. Ruts, chuckholes and corrugations that affect the smoothness of ride do not have to be removed unless they become excessive or interfere with proper drainage. Surface Course Material which has been displaced to the Shoulders or Turnouts shall be returned to the Traveled Way. The blading operation shall be conducted to conserve surface Material and to provide for a thorough mixing of the Material being worked.

3.3 On native surfaced roads, Material generated from backslope Sloughing, and ditch cleaning may be blended with the surface Material being worked. On aggregate surfaced roads this Material shall not be blended with Surface or Base Course Material unless agreed otherwise.

3.4 Roadway backslopes shall not be undercut.

3.5 Drainage Dips and Lead-off Ditches shall be cleaned and maintained to retain the existing line, grade, and cross-section.

3.6 Intersecting roads shall be bladed for a distance of 50 feet to assure blending of the surfaces.

3.7 Rocks or other Material remaining on the Traveled Way after the final pass that are 4 inches in diameter or larger shall be removed. The unsuitable Material shall be disposed of by sidecasting unless agreed otherwise.

3.8 Material resulting from this activity shall not remain on or in structures, such as Culverts, cattle guards, ditches and Drainage Dips.

3.9 Material resulting from this activity, plus any accumulated debris, shall be removed from bridge decks and the deck drains opened.

ACTIVITY 1040 - SPOT SURFACE COURSE PLACEMENT

DESCRIPTION

1.1 Spot surface course placement includes subgrade preparation, furnishing, spreading and shaping Materials in accordance with the Requirements.

MATERIALS

2.1 Surface course Material will be in accordance with the Requirements, 3.2.

REQUIREMENTS

3.1 Subgrade Preparation. Prepare subgrade to receive surface course Material at locations as designated on-the-ground by the Forest Service on roads listed below. Prepare the subgrade by shaping the Roadbed to approximately the original cross-section and consistent with adjacent sections.

3.2 Furnish and spread Material at spot locations designated on the ground by the Forest Service as follows.

Road Number	Road Name	Pre/During/Post Haul	Type Material	Quantity (C.Y./Tons)
316	Locust Stake	XXX	#4 stone	72 tons
170	Deadman Branch	XXX	#4 stone	108 tons
139	Black Mountain	XXX	#4 stone	108 tons
187	Toccoa Pumping Station	XXX	#4 stone	36 tons
214	Table Pine Ridge	XXX	#4 stone	180 tons

3.3 Variations. The Contractor will be required to furnish weight or volume tickets to the Forest Service for the amount of surface course material placed. When it is mutually agreed that all or part of the surface course Material is not needed, the estimated cost of surfacing not placed shall be charged to the Integrated Resource Account in accordance with IT.3.1.

ACTIVITY 3010 - DRAINAGE STRUCTURES

DESCRIPTION

1.1 This work consists of maintaining and/or installation/removal of Drainage Structures and related items such as inlet and outlet channels, existing riprap, trash racks, and drop-inlets.

MATERIALS

2.1 All Materials used in the maintenance and/or installation/removal of Drainage Structures shall conform by type and specification to the Material in the structure being maintained or as indicated in the Requirements, 3.3.

REQUIREMENTS

3.1 Drainage Structures and related items shall be cleared of all foreign Material which has been deposited above the bottom of the structure and all vegetative growth which interferes with the water flow. Material removed that cannot be incorporated into maintenance work shall be uniformly placed on fill slopes unless agreed otherwise.

3.2 Perform maintenance to insure the proper functioning of the head walls, aprons, inlet assemblies, riprap, trash racks, and other facilities related to the Drainage Structure.

3.3 Install/remove ditches, drainage dips, rock crossings and/or culverts as follows and as marked on the ground. Installation of structures shall not begin without the presence of a Forest Service representative.

3.4 Installation shall be in accordance with construction industry standards and practices.
3.5 Culvert designated for removal shall become the property of the Purchaser.

Road Number	Road Name	Remove/Install	Type of Structure	Size	Quantity
214	Table Pine Ridge	Install	Culvert	18"	40'

ACTIVITY 4020 - ROADWAY MOWING AND CLEARING

DESCRIPTION

1.1 This work includes removal of brush, trees and other vegetative growth from within the Roadway limits.

REQUIREMENTS

3.1 Vegetative matter within the Roadway which impedes vehicular travel or interferes with road maintenance operations, such as surface blading and ditch and culvert cleaning shall be removed. Downed timber meeting utilization standards shall be cut in appropriate lengths and decked along the Roadside in locations where the Traveled Way or sight distances will not be impaired.

3.2 Vegetative matter removed from the Roadway shall be uniformly placed on fill slopes unless agreed otherwise.

Toccoa Ridges 2 Contract

(IRTC)

SCHEDULE OF ITEMS
AND
SPECIFICATIONS

Schedule of Items
(Complete table to include the project items.)

SCHEDULE OF ITEMS:

Item #	Description	Unit of Measure	Quantity	Unit Price $	Total $
Mandatory Work					
1	Smooth Coneflower Herbicide Treatments (Over 2 years)	Acres	16.15		
Optional Work					

Item 01 – Smooth Coneflower Herbicide Treatments

GENERAL SPECIFICATIONS

On eight identified locations of Smooth coneflowers, a combination of mechanical and chemical treatments is necessary to eliminate woody competition. Treatments will phased over a 2 year period of time.

PART I. SECTION C, SPECIFICATIONS

C. 1 - SCOPE OF PROJECT

The contractor shall furnish all equipment, labor, transportation, supervision, and perform all work required for **the Smooth Coneflower Restoration Treatments** on the Chattahoochee National Forest in accordance with the specifications and provisions of the contract.

C.2 - DESCRIPTION AND LOCATION

The contractor shall provide all personnel, equipment, tools, supervision, and other items and incidental services necessary to treat 16.15 acres through a combination of mechanical (cut stumps) and chemical treatments (hack and squirt/foliar spray), over a two year period. The locations of the treatment areas are shown on the Stewardship Area Maps. See Eastside Forest Health Stewardship Project – Service Work Sites Table for a listing of all coneflower sites to be treated, including the size of each site. The treatment locations have been GPS mapped for actual acreages. Treatment area boundaries have been marked with orange tree paint as well. Rare plant exclusion areas will be flagged and identified to contractor prior to treatment.

TECHNICAL SPECIFICATIONS

Year 1 – Hack and Squirt and/or Cut Stump Treatments

- The first year treatment includes treating ALL trees and shrubs, ranging in size from 0.5 inch diameter at root collar to 10.0 inch diameter at breast height (DBH). The desired herbicide treatment will be a 50% solution mixture of "aquatically approved" glyphosate herbicide, with dye and surfactant included in the mixture. Trees greater than 3 inch DBH will be treated with the hack and squirt method. Trees less than 3 inch DBH, down to 0.5 inches at root collar, will be treated using the cut stump method. Hack and squirt "cuts" will be made so they encircle the tree completely, with no gaps between cuts. Cut stump trees will be completely severed from the base.

- No trees greater than 10 inches diameter will be treated. No saplings less than 0.5 inches diameter will be treated.

- Treatments will be made between the months of June 1 – August 15.

- Herbicide applications will be made immediately after the stem has been cut or hacked. Applications will not be made if the stems are still wet from rain, heavy dew, or if rain appears

imminent. Applications will be suspended if the temperature exceeds 98 degrees, humidity is less than 20% or if wind is greater than 15 mph.

Year 2 – Foliar Treatments

- The second year treatment includes treating ALL woody stems within the treatment area which are less than 0.5 inch diameter at root collar and less than 6 feet tall, including, but not limited to, any "resprouts" from the first year's treatment. The desired herbicide treatment will be a foliar application of a 3% solution mixture of "aquatically approved" triclopyr herbicide, with the label recommended dye and surfactant included in the mixture. Thoroughly wet all target vegetation.

- Treatments will be made between the months of June 1 – August 15.

- Applications will not be made if the leaves are still wet from rain, heavy dew, or if rain appears imminent. Applications will be suspended if the temperature exceeds 98 degrees, humidity is less than 20% or if wind is greater than 15 mph.

If locations change, they will be agreed upon in writing by the Forest Service and contactor to ensure similar work exists.

G.1- GOVERNMENT FURNISHED PROPERTY

NONE

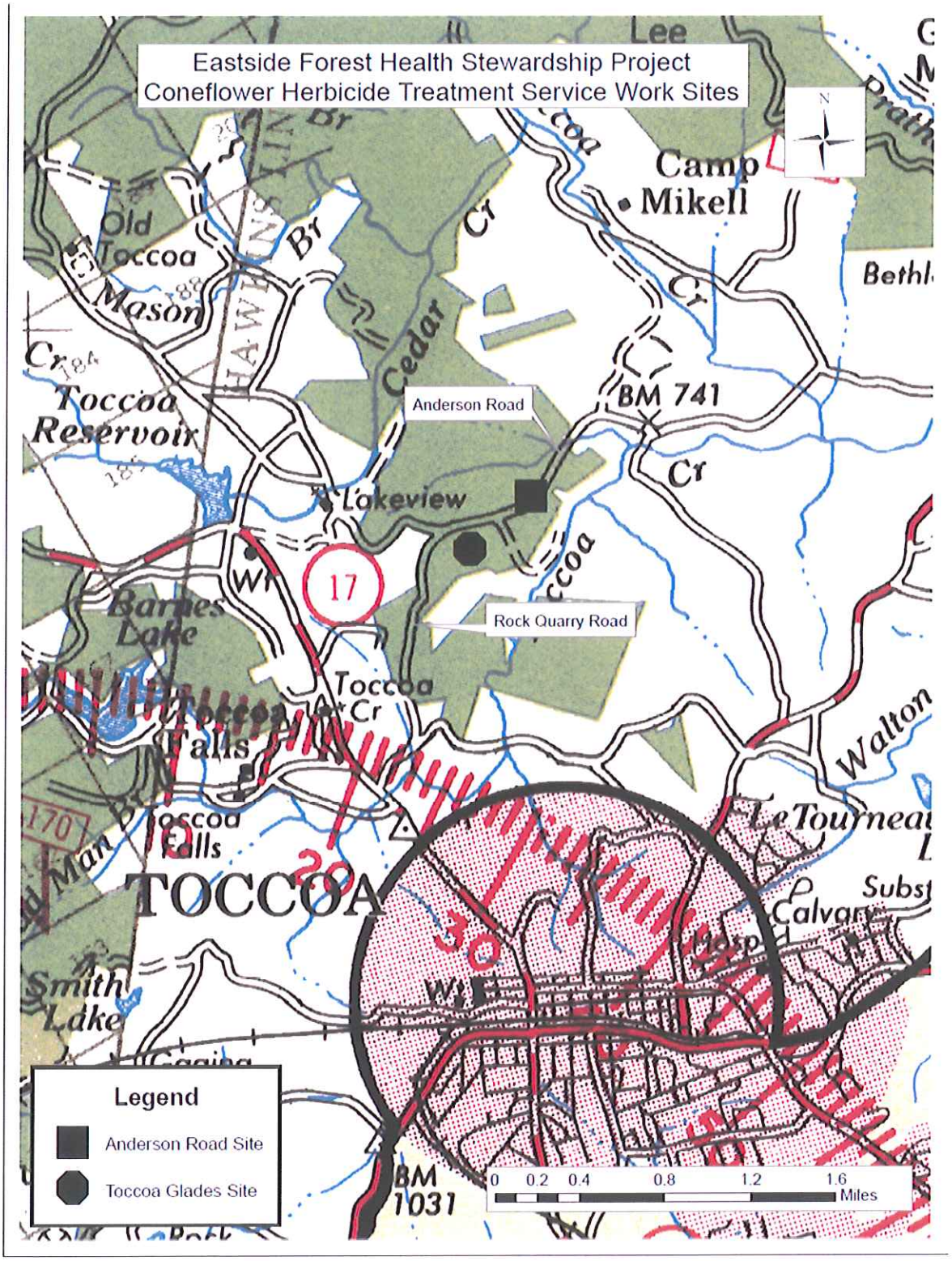
G.2. INSPECTION AND ACCEPTANCE

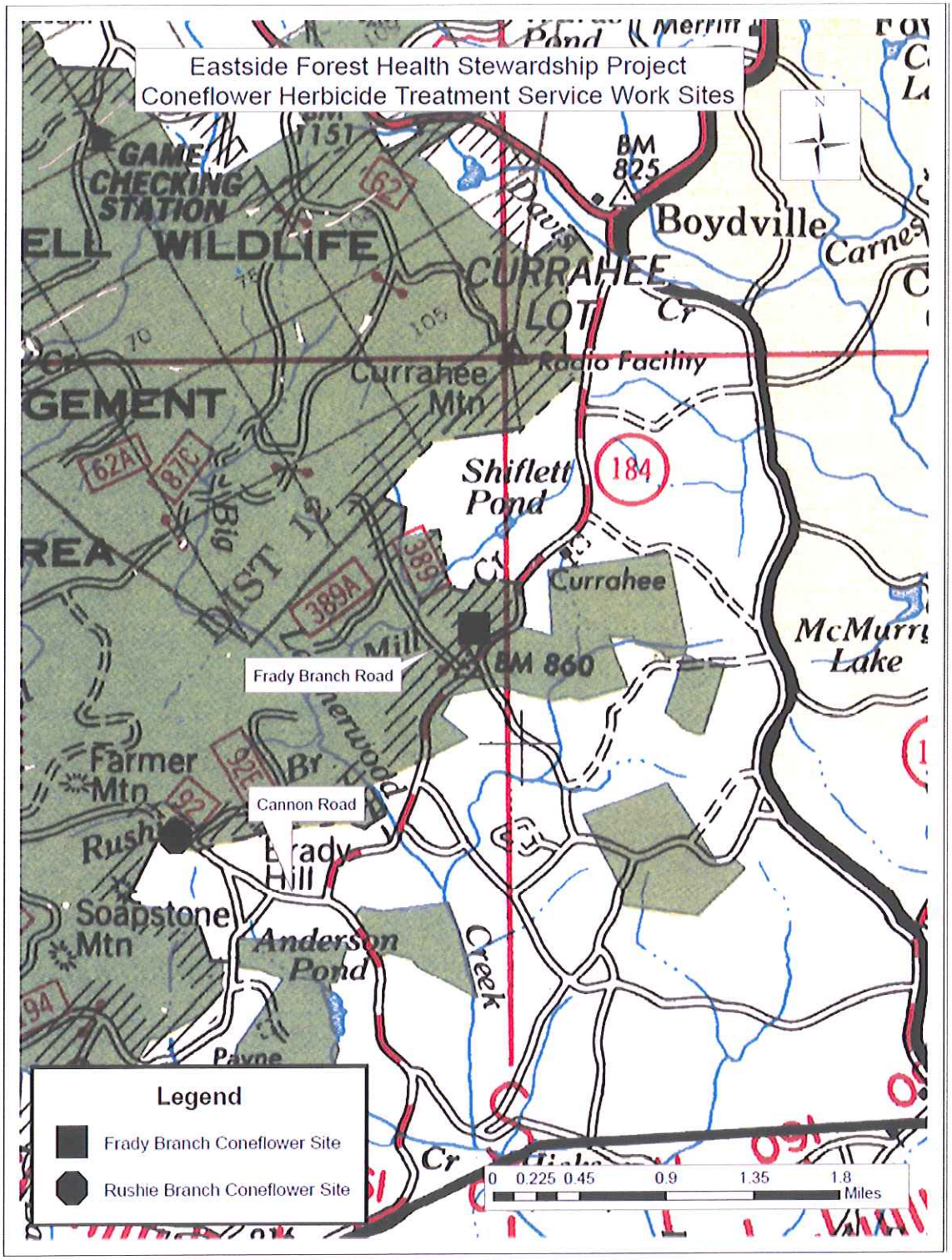
1. Work will be accepted when the work is completed according to the project specifications. If the work completed is accepted, the contractor shall proceed according to the Work Progress Schedule. If the work is not accepted, the contractor shall not receive payment or credit until completing any remedial work required for acceptance. If the area cannot be brought up to specifications, credits or payments will be reduced or not be awarded.

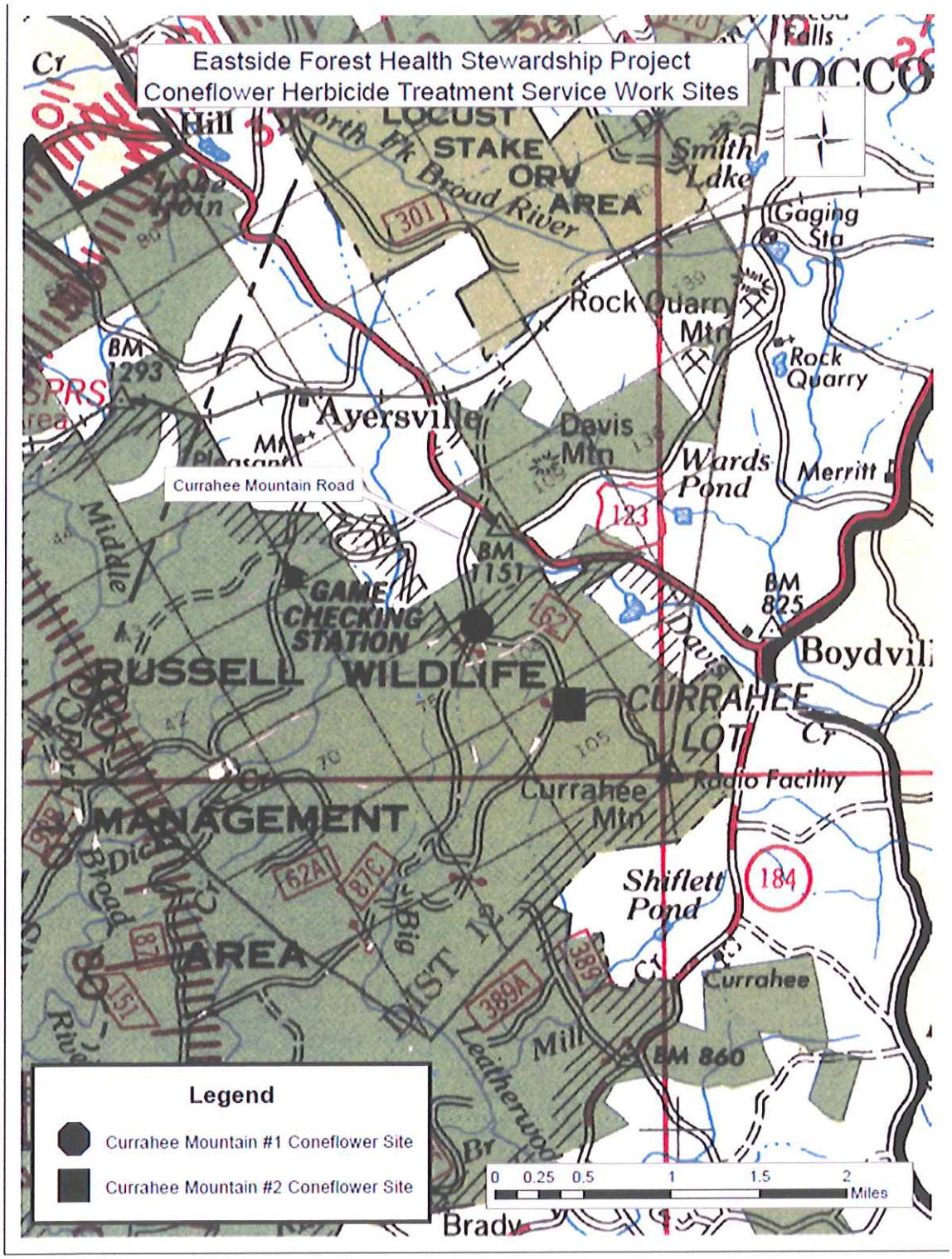
Eastside Forest Health Stewardship Project

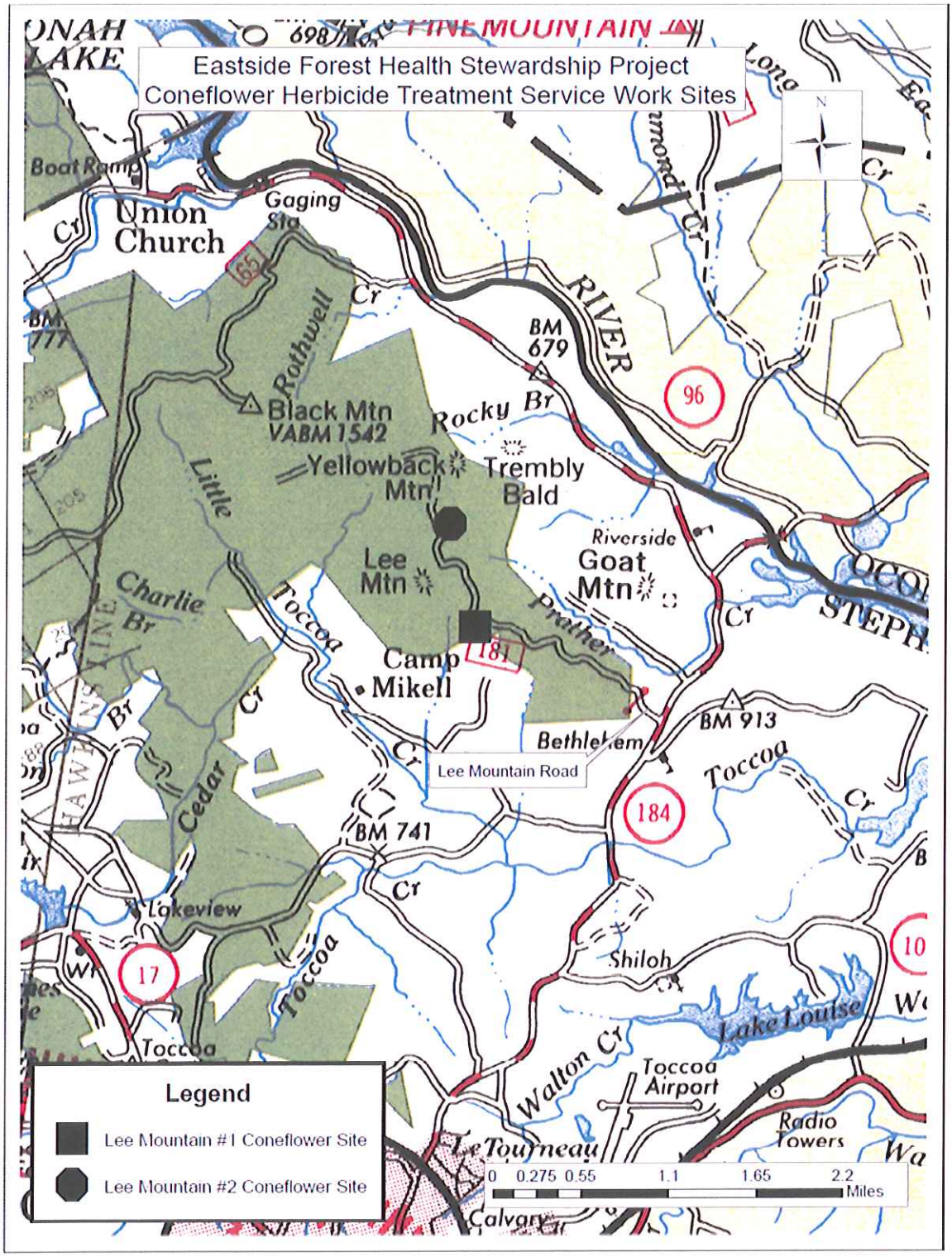
Coneflower Work Sites

Area	Treatment Type	Size (Ac.)
Anderson Road	Coneflower / Herbicide	1.40
Toccoa Glades	Coneflower / Herbicide	2.25
Frady Branch	Coneflower / Herbicide	1.94
Rushie Branch	Coneflower / Herbicide	2.40
Currahee Mtn #1	Coneflower / Herbicide	3.10
Currahee Mtn #2	Coneflower / Herbicide	2.42
Lee Mountain #1	Coneflower / Herbicide	0.36
Lee Mountain #2	Coneflower / Herbicide	2.28
SUBTOTAL	----------	**16.15**

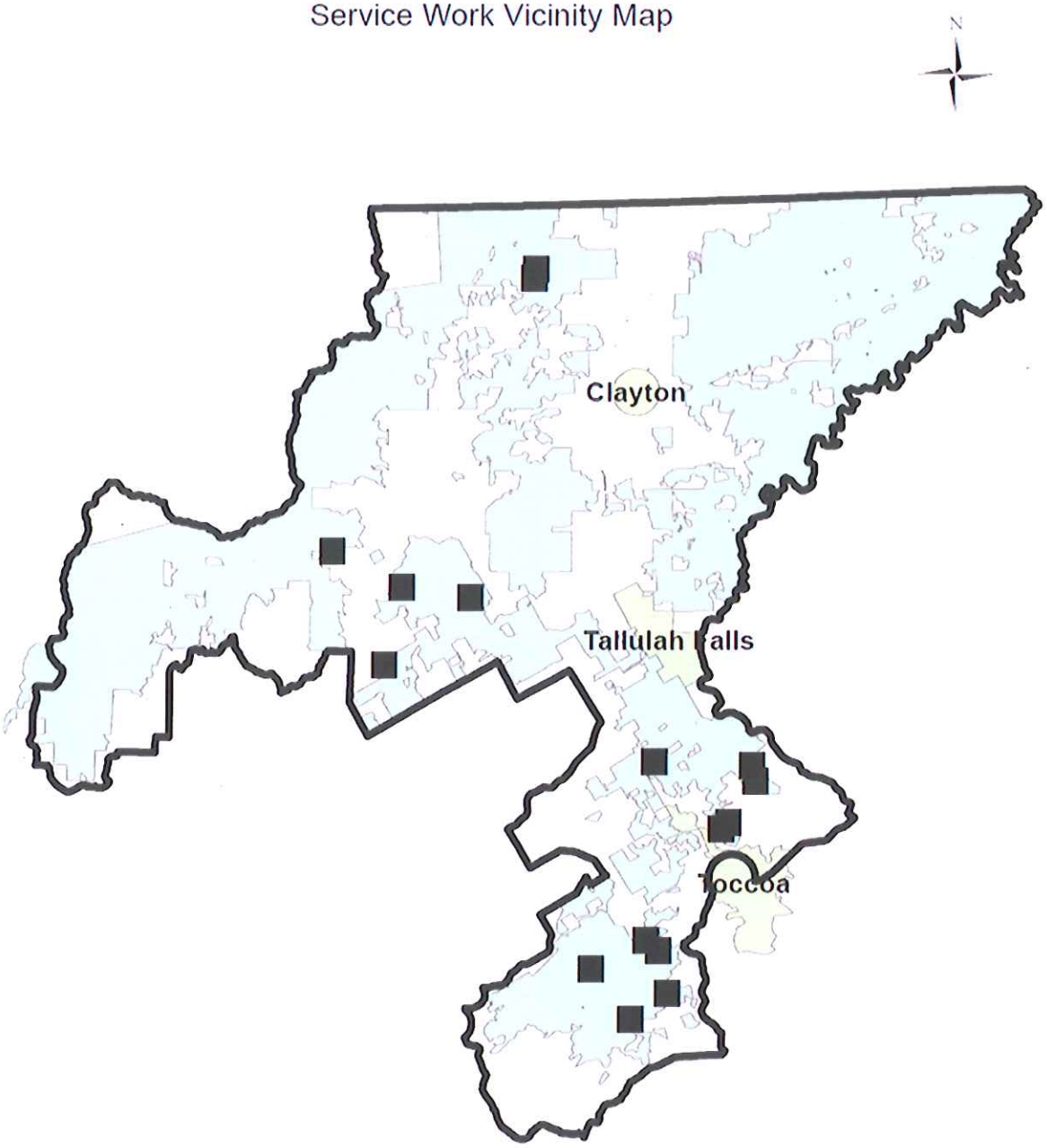

Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites
Anderson Road
Rock Quarry Road
Camp Mikell
Lakeview
Toccoa Reservoir
Barnes Lake
Toccoa Falls
TOCCOA
Smith Lake
Walton
Calvary
BM 741
BM 1031
Legend
Anderson Road Site
Toccoa Glades Site
0 0.2 0.4 0.8 1.2 1.6 Miles


Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites
Frady Branch Road
Cannon Road
Legend
Frady Branch Coneflower Site
Rushie Branch Coneflower Site
0 0.225 0.45 0.9 1.35 1.8
Miles
Boydville
Currahee Mtn
Shiflett Pond
Currahee
McMurry Lake
Farmer Mtn
Soapstone Mtn
Anderson Pond
Radio Facility
GAME CHECKING STATION
WILDLIFE
CURRAHEE LOT
BM 825
BM 860
184
62A
87C
389
389A
92
92E
94
Creek


Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites
Currahee Mountain Road
Legend
Currahee Mountain #1 Coneflower Site
Currahee Mountain #2 Coneflower Site
0 0.25 0.5 1 1.5 2 Miles
LOCUST STAKE ORV AREA
Smith Lake
Gaging Sta
Rock Quarry Mtn
Rock Quarry
Ayersville
Davis Mtn
Wards Pond
Merritt
GAME CHECKING STATION
RUSSELL WILDLIFE MANAGEMENT AREA
CURRAHEE LOT
Boydvill
Currahee Mtn
Radio Facility
Shiflett Pond
Currahee
Brady
TOCCO


Eastside Forest Health Stewardship Project
Coneflower Herbicide Treatment Service Work Sites
Legend
Lee Mountain #1 Coneflower Site
Lee Mountain #2 Coneflower Site
0 0.275 0.55 1.1 1.65 2.2
Miles
Lee Mountain Road
Union Church
Gaging Sta
Black Mtn
VABM 1542
Yellowback Mtn
Trembly Bald
Lee Mtn
Camp Mikell
Goat Mtn
Riverside
Bethlehem
Lakeview
Shiloh
Toccoa Airport
Radio Towers
Lake Louise
Walton Cr
Toccoa
Cedar
Little
Rothwell
Rocky Br
Prather
Charlie Br
RIVER
BM 679
BM 741
BM 913
Boat Ramp
Calvary
Le Tourneau
96
181
184
17
65

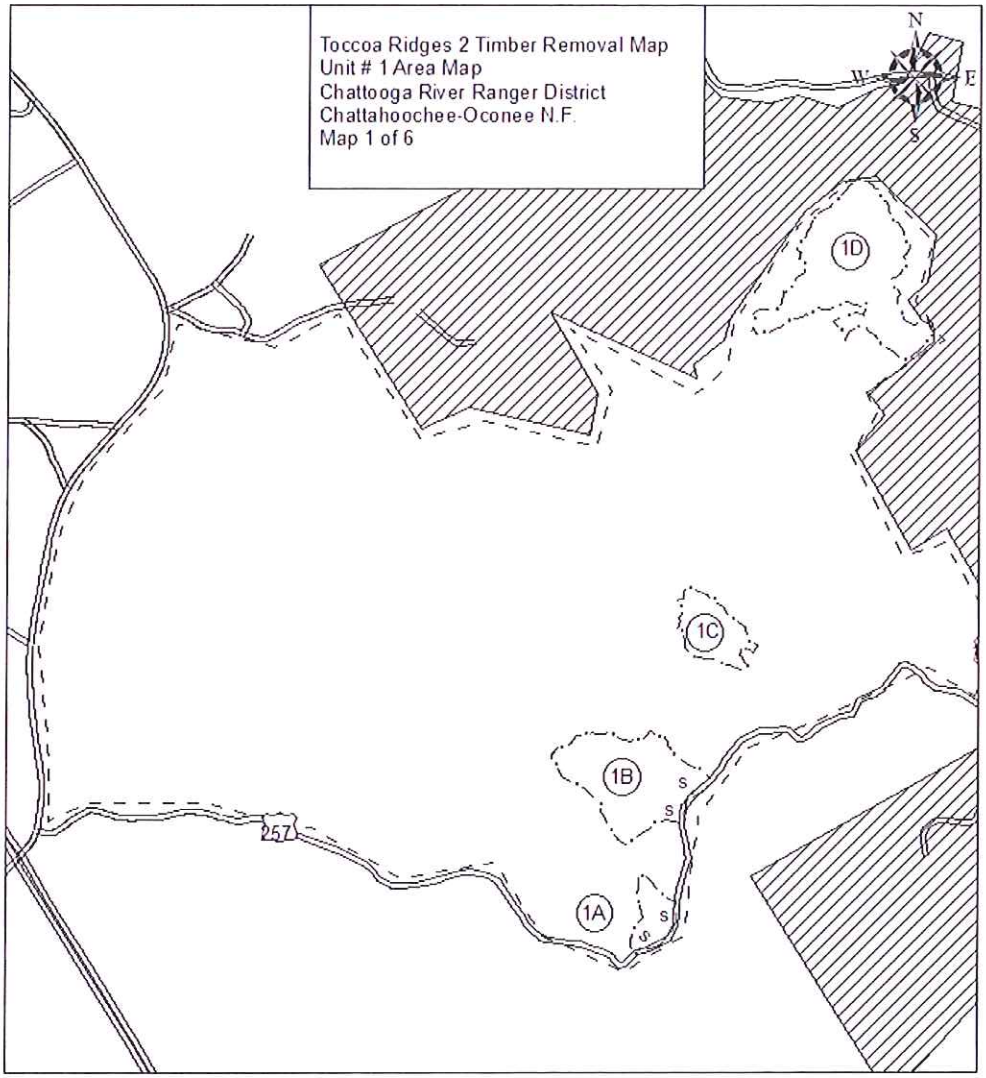
Eastside Forest Health Stewardship Project
Service Work Vicinity Map



Legend

- Stewardship Service Work Sites (All Service Work)
- Chattooga River Ranger District Boundary
- Forest Service System Lands
- City Boundaries

0 2 4 8 12 16 Miles



LEGEND

- Contract Area Boundary - CT. 3.0
- Payment Unit Boundary - CT. 3.0
- (1) Payment Unit Number - CT. 3.0
- S Slash Treatment - KT- GT. 7
- Existing Road - FT. 1.2
- Other Ownership

1: 15,840

0 0.15 0.3 0.6 Miles

Payment Unit #	Designation Method
01 Thru 07	CTM- Cut Tree Marking - KT - CT 3.55

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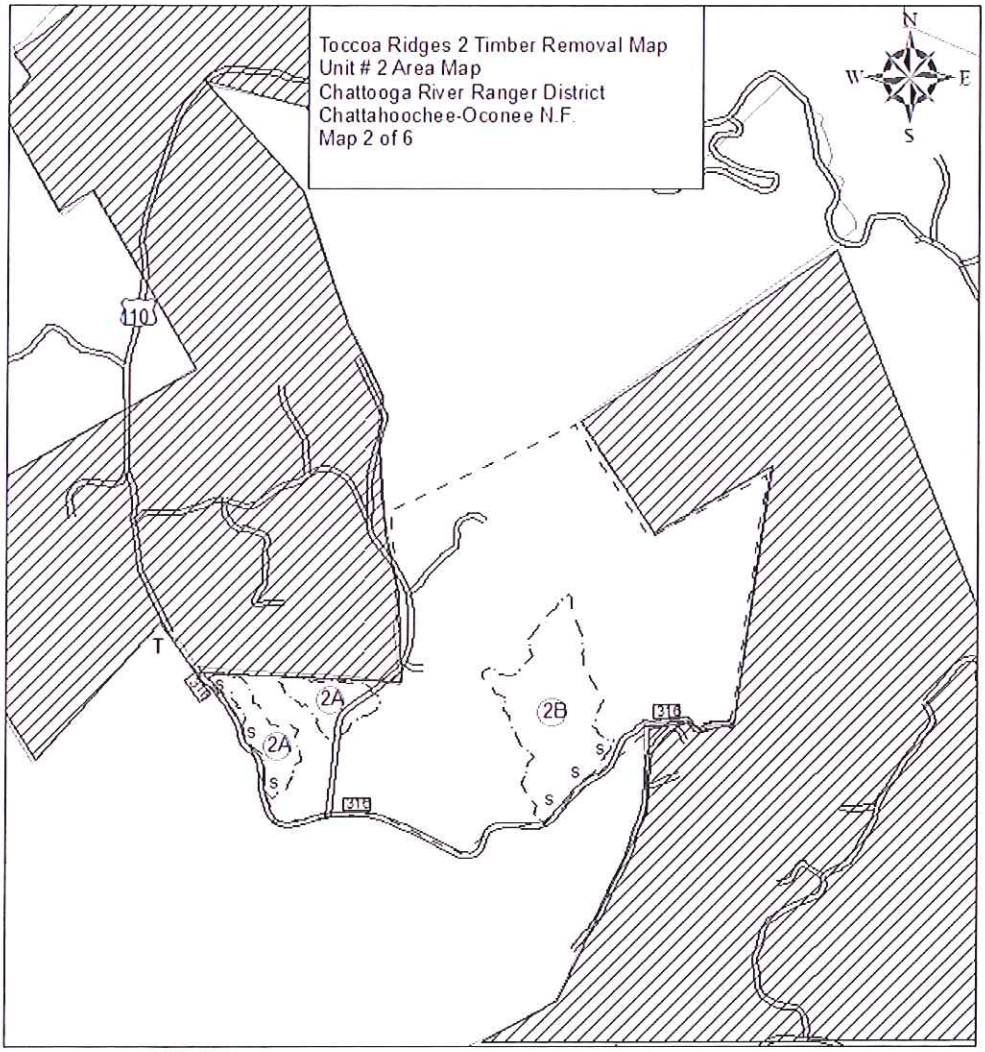


LEGEND

	Contract Area Boundary -	CT. 3.0 KT-CT.3.0
	Payment Unit Boundary -	CT. 3.0
2	Payment Unit Number	- CT. 3.0
S	Slash Treatment	- KT- GT. 7
T	Traffic Control Device -	GT. 3.3
	Existing Road	- FT. 1.2
	Forest Service Roads	
	Other Ownership	

1: 15,840

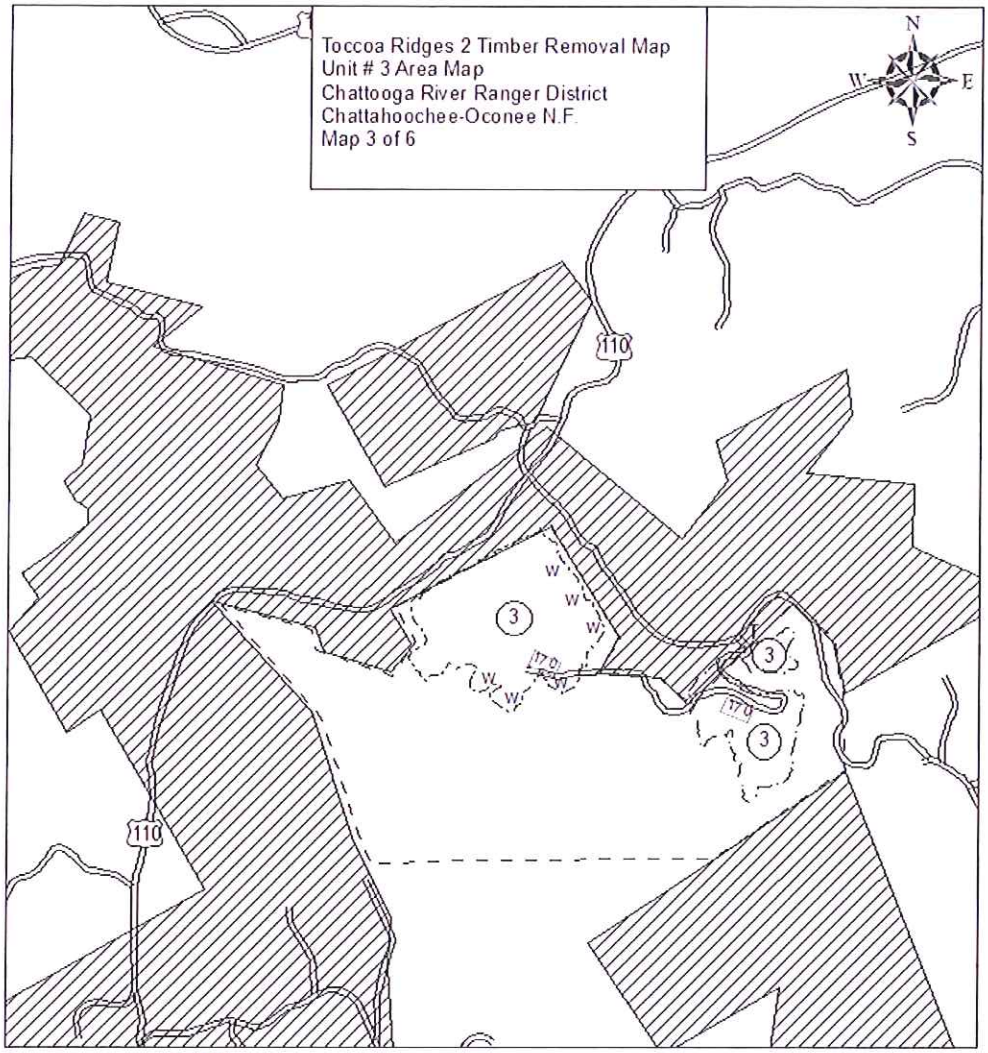
0 0.15 0.3 0.6 Miles

Payment Unit #	Designation Method
01 Thru 07	CTM - Cut Tree Marking - KT - CT 3.55

Forest Service Centennial Celebration
1905 2005
100 Years
Chattahoochee-Oconee National Forests

Westbrook 06/03/2015; Disclaimer

Toccoa Ridges 2 Timber Removal Map
Unit # 3 Area Map
Chattooga River Ranger District
Chattahoochee-Oconee N.F.
Map 3 of 6



LEGEND

	Contract Area Boundary - CT. 3.0, KT-CT. 3.0
	Payment Unit Boundary - CT. 3.0
(2)	Payment Unit Number - CT. 3.0
S	Slash Treatment - KT- GT. 7
T	Traffic Control Device - GT. 3.3
W	Winching Required - KT-GT. 4.0.1
	Existing Road - FT. 1.2
	Forest Service Roads
	Other Ownership

1: 15,840

0 0.15 0.3 0.6 Miles

Payment Unit #	Designation Method
01 Thru 07	CTM - Cut Tree Marking - KT - CT 3.55

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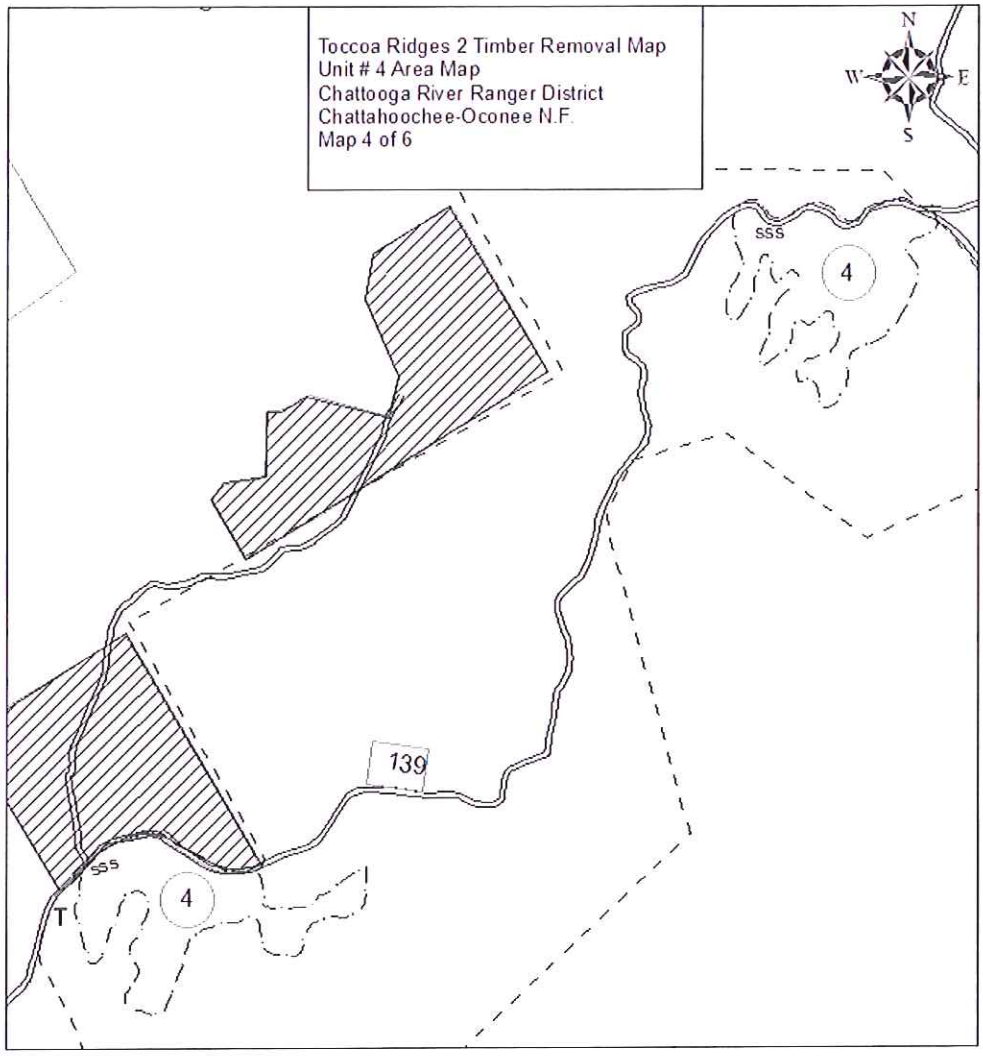

LEGEND

	Contract Area Boundary -	CT. 3.0 KT-CT.3.0
	Payment Unit Boundary -	CT. 3.0
(2)	Payment Unit Number -	CT. 3.0
S	Slash Treatment -	KT- GT. 7
T	Traffic Control Device -	GT. 3.3
	Existing Road -	FT. 1.2
	Forest Service Roads	
	Other Ownership	

1: 15,840 0 0.15 0.3 0.6 Miles

Payment Unit #	Designation Method
01 Thru 07	CTM - Cut Tree Marking - KT - CT 3.55

Forest Service Centennial Celebration
US
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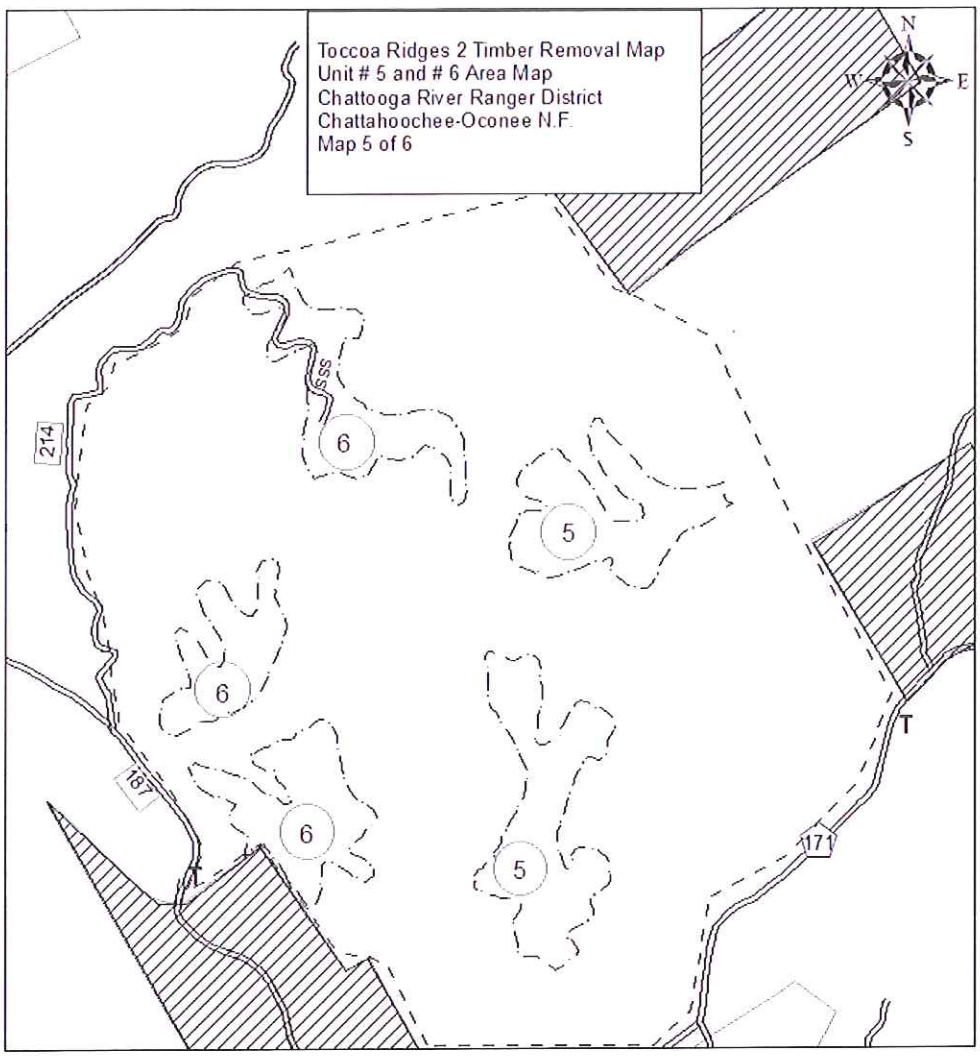

LEGEND

- Contract Area Boundary - CT. 3.0 KT-CT.3.0
- Payment Unit Boundary - CT. 3.0
- (2) Payment Unit Number - CT. 3.0
- S Slash Treatment - KT- GT. 7
- T Traffic Control Device - GT. 3.3
- Existing Road - FT. 1.2
- Forest Service Roads
- Other Ownership

1: 15,840

0 0.15 0.3 0.6 Miles

Payment Unit #	Designation Method
01 Thru 07	CTM - Cut Tree Marking - KT - CT 3.55

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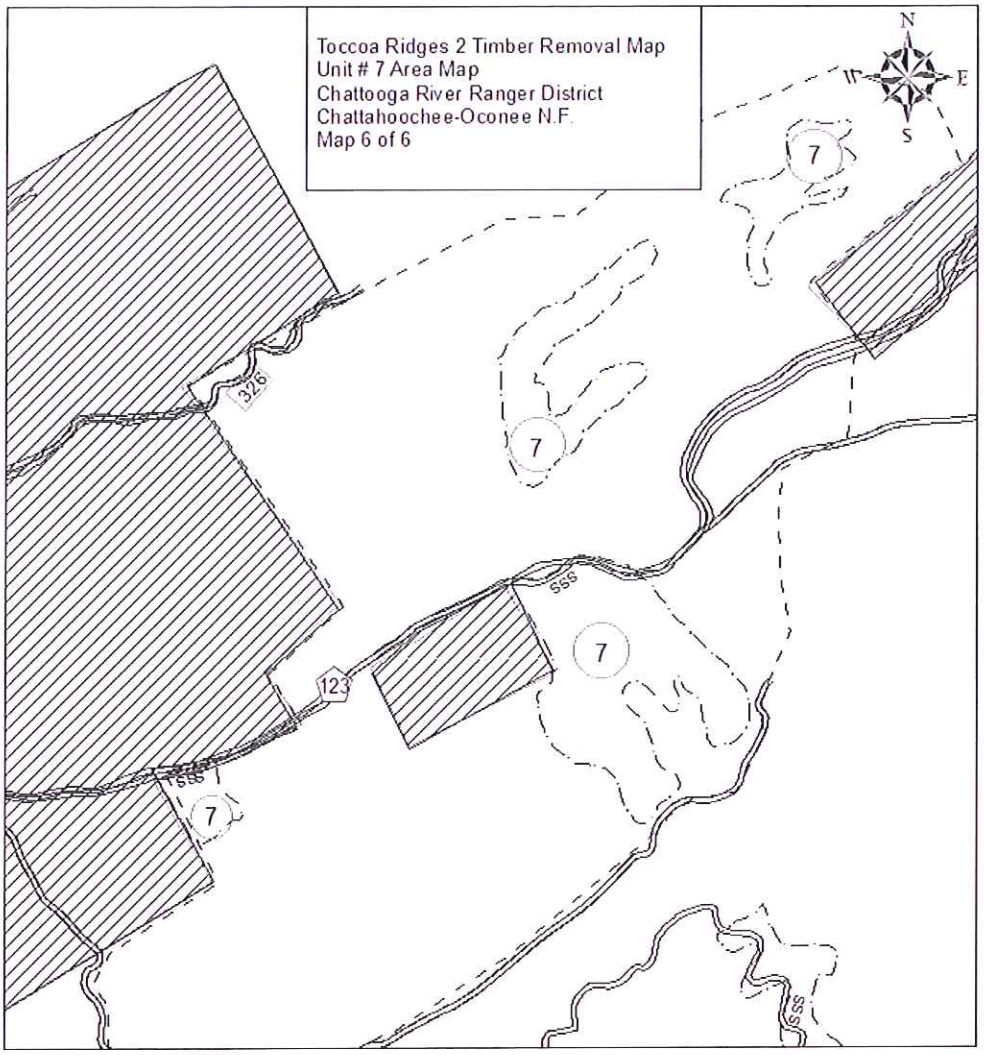

LEGEND

	Contract Area Boundary -	CT. 3.0 KT-CT.3.0
	Payment Unit Boundary -	CT. 3.0
(2)	Payment Unit Number -	CT. 3.0
S	Slash Treatment -	KT- GT. 7
T	Traffic Control Device -	GT. 3.3
	Existing Road -	FT. 1.2
	Forest Service Roads	
	Other Ownership	

1: 15,840 0 0.15 0.3 0.6 Miles

Payment Unit #	Designation Method
01 Thru 07	CTM - Cut Tree Marking - KT - CT 3.55

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