



State of West Virginia
 Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

Request for Quotation

RFQ NUMBER
DEFK9021

PAGE
1

ADDRESS CORRESPONDENCE TO ATTENTION OF
JOHN ABBOTT 304-558-2544

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*518124735 304-677-4436
 EASTERN AMERICAN FOREST MGT LL
 PO BOX 77
 MORGANTOWN WV 26507-0077

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DIV ENGINEERING & FACILITIES
 CAMP DAWSON ARMY TRAINING SITE
 240 ARMY ROAD
 KINGWOOD, WV
 26537-1077 304-329-4417

DATE PRINTED	TERMS OF SALE	SHIP VIA	F.O.B.	FREIGHT TERMS
03/12/2009				

BID OPENING DATE: **03/31/2009** BID OPENING TIME **01:30PM**

LINE	QUANTITY	UOP	CAT NO	ITEM NUMBER	UNIT PRICE	AMOUNT
0001	1	LS		988-05		\$67,000
ERADICATION PROGRAM OF INVASIVE PLANT SPECIES CONTRACT TO PROVIDE ERADICATION SERVICES FOR THE WEST VIRGINIA ARMY NATIONAL GUARD, CAMP DAWSON, KINGWOOD, WV, PER THE ATTACHED SPECIFICATIONS. SITE VISIT: A SITE VISIT MAY BE SCHEDULED BY CONTACTING MR. LADD WILLIAMS AT 304-791-4130, NO LATER THAN 3/25/2009. NOTICE A SIGNED BID MUST BE SUBMITTED TO: DEPARTMENT OF ADMINISTRATION PURCHASING DIVISION BUILDING 15 2019 WASHINGTON STREET, EAST CHARLESTON, WV 25305-0130 THE BID SHOULD CONTAIN THIS INFORMATION ON THE FACE OF THE ENVELOPE OR THE BID MAY NOT BE CONSIDERED: SEALED BID BUYER: JOHN ABBOTT-----						



SEE REVERSE SIDE FOR TERMS AND CONDITIONS			
SIGNATURE <i>Robert Ladd</i>	TELEPHONE (304) 677-4436	DATE Mar 26, 09	
TITLE Manager	FEIN 90-0148482	ADDRESS CHANGES TO BE NOTED ABOVE	

WHEN RESPONDING TO RFQ, INSERT NAME AND ADDRESS IN SPACE ABOVE LABELED 'VENDOR'

**GENERAL TERMS & CONDITIONS
REQUEST FOR QUOTATION (RFQ) AND REQUEST FOR PROPOSAL (RFP)**

1. Awards will be made in the best interest of the State of West Virginia.
2. The State may accept or reject in part, or in whole, any bid.
3. All quotations are governed by the *West Virginia Code* and the *Legislative Rules* of the Purchasing Division.
4. Prior to any award, the apparent successful vendor must be properly registered with the Purchasing Division and have paid the required \$125 fee.
5. All services performed or goods delivered under State Purchase Order/Contracts are to be continued for the term of the Purchase Order/Contracts, contingent upon funds being appropriated by the Legislature or otherwise being made available. In the event funds are not appropriated or otherwise available for these services or goods, this Purchase Order/Contract becomes void and of no effect after June 30.
6. Payment may only be made after the delivery and acceptance of goods or services.
7. Interest may be paid for late payment in accordance with the *West Virginia Code*.
8. Vendor preference will be granted upon written request in accordance with the *West Virginia Code*.
9. The State of West Virginia is exempt from federal and state taxes and will not pay or reimburse such taxes.
10. The Director of Purchasing may cancel any Purchase Order/Contract upon 30 days written notice to the seller.
11. The laws of the State of West Virginia and the *Legislative Rules* of the Purchasing Division shall govern all rights and duties under the Contract, including without limitation the validity of this Purchase Order/Contract.
12. Any reference to automatic renewal is hereby deleted. The Contract may be renewed only upon mutual written agreement of the parties.
13. **BANKRUPTCY:** In the event the vendor/contractor files for bankruptcy protection, this Contract may be deemed null and void, and terminated without further order.
14. **HIPAA BUSINESS ASSOCIATE ADDENDUM:** The West Virginia State Government HIPAA Business Associate Addendum (BAA), approved by the Attorney General, and available online at the Purchasing Division's web site (<http://www.state.wv.us/admin/purchase/vrc/hipaa.htm>) is hereby made part of the agreement. Provided that, the Agency meets the definition of a Cover Entity (45 CFR §160.103) and will be disclosing Protected Health Information (45 CFR §160.103) to the vendor.
15. **WEST VIRGINIA ALCOHOL & DRUG-FREE WORKPLACE ACT:** If this Contract constitutes a public improvement construction contract as set forth in Article 1D, Chapter 21 of the West Virginia Code ("The West Virginia Alcohol and Drug-Free Workplace Act"), then the following language shall hereby become part of this Contract: "The contractor and its subcontractors shall implement and maintain a written drug-free workplace policy in compliance with the West Virginia Alcohol and Drug-Free Workplace Act, as set forth in Article 1D, Chapter 21 of the West Virginia Code. The contractor and its subcontractors shall provide a sworn statement in writing, under the penalties of perjury, that they maintain a valid drug-free work place policy in compliance with the West Virginia and Drug-Free Workplace Act. It is understood and agreed that this Contract shall be cancelled by the awarding authority if the Contractor: 1) Fails to implement its drug-free workplace policy; 2) Fails to provide information regarding implementation of the contractor's drug-free workplace policy at the request of the public authority; or 3) Provides to the public authority false information regarding the contractor's drug-free workplace policy."

INSTRUCTIONS TO BIDDERS

1. Use the quotation forms provided by the Purchasing Division.
2. **SPECIFICATIONS:** Items offered must be in compliance with the specifications. Any deviation from the specifications must be clearly indicated by the bidder. Alternates offered by the bidder as **EQUAL** to the specifications must be clearly defined. A bidder offering an alternate should attach complete specifications and literature to the bid. The Purchasing Division may waive minor deviations to specifications.
3. Complete all sections of the quotation form.
4. Unit prices shall prevail in case of discrepancy.
5. All quotations are considered F.O.B. destination unless alternate shipping terms are clearly identified in the quotation.
6. **BID SUBMISSION:** All quotations must be delivered by the bidder to the office listed below prior to the date and time of the bid opening. Failure of the bidder to deliver the quotations on time will result in bid disqualifications: Department of Administration, Purchasing Division, 2019 Washington Street East, P.O. Box 50130, Charleston, WV 25305-0130

CONTRACTOR

SCOPE OF WORK

FOR
INVASIVE SPECIES CONTROL PLAN FOR VOLKSTONE
CAMP DAWSON AND PRINGLE TRACTS

APPLICATION OF HERBICIDE
TO ERADICATE INVASIVE PLANTS

In Support of
THE INTEGRATED NATURAL RESOURCES MANAGEMENT PLAN
At The
CAMP DAWSON COLLECTIVE TRAINING CENTER
Preston County
Kingwood, West Virginia 26537

CONTRACT NUMBER DEFK9021

Prepared by:
Camp Dawson
Natural Resources Office
West Virginia Army National Guard
ATS Natural Resources Office
Camp Dawson, 240 Army Road
Kingwood, West Virginia 26537

**Application of Herbicide
To Eradicate Invasive Species
On the Volkstone Tract
Camp Dawson, Preston County, West Virginia**

1.0 INTRODUCTION

The Camp Dawson Natural Resources Office (NRO) is responsible for managing the West Virginia Army National Guard (WVARNG) forest. The NRO is responsible for the development and execution of all forest related activities including Invasive species eradication. According to the Camp Dawson Forest Management Plan, and the Invasive Plant Inventory, Assessment and Management Plan, the Volkstone Tract and the Camp Dawson Tract forest stands contain an unacceptable amount of woody and herbaceous invasive plant species. An Invasive Species Eradication Plan (ISEP) has been developed and is being implemented. The Volkstone Tract is located 1 mile east of Kingwood West Virginia, from route 7, turn south on route 72, the tract is parallel to route 72 (tract located mostly west and east of route 72) from route 7 to Morgan Run. The majority of the tract is forested. The Pringle Tract is located approximately 2.5 miles south of the Volkstone Tract on route 72 and is comprised of mostly reclaimed strip mine land. The Camp Dawson Tract is located 1.5 miles east of Kingwood West Virginia, from route 7, turn south on Army Road, the tract is around the Camp Dawson facilities, with the area targeted for treatment in 2009 being on the hillside east of the Camp Dawson facilities.

2.0 PROJECT DESCRIPTION

The WVARNG is implementing a long-term eradication program aimed towards eradicating most invasive plant species on the Volkstone, Camp Dawson, and Pringle Tracts. *The list of invasive species found on the Volkstone and Dawson Tracts is located in the ISEP attached to this Scope of Work.*

The project goal is to eradicate most invasive plant species on the Volkstone Tract, Camp Dawson, and Pringle Tracts by herbicide application. The project will concentrate on the most dominant invasive exotic woody plants, which include; tree-of-heaven, multiflora rose, autumn olive, Japanese barberry, oriental bittersweet, privet, burning bush, as well as certain herbaceous plants, including Japanese knotweed and Japanese stiltgrass. A list of the invasive exotic plants to be targeted and an estimate of their population is included in the attached ISEP. The herbicide types, method of application, and the appropriate time to apply herbicide are also outlined in the attached ISEP. In order to facilitate the control work, access trails will be open and cleared by WVARNG Natural Resources Office.

The project area contains 617 acres (more or less). The method of eradication will be the application of herbicide. The herbicide application work will begin May 1, 2009, and end on or before September 15, 2009. A more complete description of the project, including objectives, site description, and methods of application, herbicides, timeline, and other information is provided in the attached ISEP.

3.0 TASK DEFINITION

The contractor shall perform the following tasks.

TASK 1. Meet with Camp Dawson Natural Resource Office personnel once the contract has been awarded, to review strategy, methodology, and scheduling fieldwork activities on the Volkstone Invasive Species Eradication Plan (ISEP).

TASK 2. Upon commencement of fieldwork, jointly with WVARNG Natural Resources Office, provide training on work techniques and precautions to any workers involved with the project.

TASK 3. Carry out herbicide treatments as described in the ISEP.

TASK 4. Contractor is to complete and provide to WVARNG Natural Resources Office a daily record of pesticide application, including products, amounts, approximate acres, weather conditions, and other pertinent information. The Contractor is also to enter this information into the Weed Information Management System (WIMS) database as outlined in the ISEP.

TASK 5. Contractor will be required to enter field data in a Global Positioning System (GPS) unit. More detailed information is located in the ISEP, pages 7-8.

TASK 6. Contractor will be required to daily contact Range Control/Operations when work is to be performed on or near training areas. Contact information is located in the ISEP, page 4.

TASK 7. At the conclusion of fieldwork, the contractor will meet with WVARNG Natural Resources Office for project debriefing.

4.0 WVARNG FURNISHED INFORMATION AND MATERIAL

The WVARNG will provide:

- a. Aerial photography maps with the boundary lines (all boundary lines and corners were updated and marked with blue paint and signage during 2003 for the Volkstone and Camp Dawson Tracts). Maps will also be provided that show the location of the property tracts, current road types and access points.

The WVARNG will also provide assistance to the contractor in working with the Camp Dawson Facilities and Engineering and Range Control/Operations Offices to gain access to any restricted parts of the Volkstone, Camp Dawson, and Pringle Tracts.

- b. Herbicides and surfactants will be provided by WVARNG and stored at Camp Dawson, and will be made available to the contractor as needed. Any unused materials remain the property of WVARNG.
- c. The GPS unit will be provided by Camp Dawson NRO.

5.0 MEETINGS AND REVIEWS

Prior to initiation of work the Camp Dawson Natural Resources Office personnel shall meet with the contractor to coordinate the eradication plan.

At the conclusion of fieldwork the contractor will meet with WVARNG Natural Resources Office for project debriefing.

6.0 CONTRACTOR REQUIREMENTS

1. **Upon submission of bid, vendor must comply with the following requirements and provide evidence to WVARNG:**
 - Contractor shall have 3 years prior experience in pesticide application for timber stand improvement or similar uses.

- Contractor shall possess, or employ a person who possesses, certification as a West Virginia Commercial Certified Pesticide Applicator in Category 3 (Forest Pest Control) or Category 13C (Hardwood Tree Release) .
- 2. Prior to commencement of work, vendor must comply with the following requirements and provide evidence to WVARNG:**
- Contractor shall be a West Virginia Licensed Vendor. Information on Vendor Registration can be obtained from WV Purchasing Division, Vendor Registration, State Capitol Complex, 2019 Washington Street East, PO Box 50130, Charleston, WV 25305-0130, phone 304-558-2306, and is available online at www.state.wv.us/admin/purchase.
 - Contractor shall provide a certificate of insurance (\$1,000,000.00-General Liability).
 - Contractor shall register with the West Virginia Division of Purchasing. Information on registering in West Virginia can be obtained from the West Virginia Division of Purchasing, 2019 Washington Street East, PO Box 50130, Charleston, WV 25305-0130, phone 304-558-2311.
 - Contractor shall be a West Virginia Licensed Pesticide Application Business, and possess, or employ a person who possesses, certification as a West Virginia Certified Pesticide Applicator in Category 3 (Forest Pest Control) or Category 13C (hardwood tree release). A West Virginia Certified Applicator, either contractor or person employed by contractor, is to perform or supervise all pesticide application activities, and is to be present on the work site or in contact with workers on site and be within a 1 hour response time of the site while pesticide mixing or application work is in progress. Any pesticide mixing or application not performed by a Certified

Applicator is to be performed by a Registered Technician operating under the supervision of a Certified Applicator, or by an employee pending training as a Registered Technician working under the supervision of a Certified Applicator present at the time and place of application.

Information on Pesticide Business and Certification can be obtained from WV Department of Agriculture, Pesticide Regulatory Programs, 1900 Kanawha Blvd., Charleston, WV 25305-0190, phone 304-558-2209, and is available online at www.kellysolutions.com/wv.

It is the contractor's responsibility to conduct all field activities in a manner that ensures the safety of the general public and field crewmembers and avoids damage to vehicles and property of the WVARNG.

7.0 PERIOD OF SERVICE

All work under this contract shall be conducted and completed during the period from May 1 to September 20, 2009.

8.0 POINTS OF CONTACT

WVARNG:

Mr. Ladd Williams, ATS Environmental Manager
WVARNG, Camp Dawson
Natural Resources Office
240 Army Road
Kingwood, WV 26537
Phone 304-791-4130
Fax # 304-791-4378

PROJECT COORDINATOR:

Mr. Mike Plevich, Natural Resources Specialist II
WVARNG, Camp Dawson

Natural Resources Office
 240 Army Road
 Kingwood, WV 26537
 Phone 304-791-4130
 Fax # 304-791-4378

9.0 PAYMENT INFORMATION AND DELIVERABLE SCHEDULE

There shall be two equal payments allowed under this scope of work. The first payment will be available for issue upon satisfactory completion of the follow-up treatments in Stands V1, V2, V3, V4 and V5 in June 2009 per the schedule in the ISEP. The second payment will be available upon satisfactory completion of the remainder of the herbicide application and fulfillment of any other responsibilities of the contractor. The contractor will request payment by submitting detailed invoices, *in quintuplicate*, to HQ WVARNG, ATTN: WVAR-F-EP, 1703 Coonskin Drive, Charleston, WV 25311-1085

DELIVERABLES	DATE	PAYMENT SCHEDULE
Project Start Date	May 1, 2009	
Daily Pesticide Application Records	Provided weekly or upon request	
Completion of follow-up treatments on V1 through V5	No later than June 30, 2009	50%
Completion of all treatments as per ISEP	No later than September 15, 2009	
Completion of Project	No later than September 20, 2009	50%

- Upon completion of the project, all non-expended field supplies that were purchased with funds provided by Camp Dawson Collective Training Center will become the sole property of the CDCTC.

Prepared By: Natural Resources Office, WVARNG, Camp Dawson

Invasive Species Eradication Plan

**Volkstone and Camp Dawson Tracts
Army Training Site Camp Dawson
West Virginia Army National Guard
240 Army Road
Kingwood, WV 26537**

In

Preston County, WV

On

617 acres woodland/old field

Prepared By

**Camp Dawson Natural Resources Office
240 Army Road
Kingwood, WV 26537
304-791-4130**

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Objective

For all West Virginia Army National Guard (WVARNG) properties, the objective is to greatly reduce or eliminate invasive plant species through herbicide application from the Volkstone, Camp Dawson, and Pringle Tracts. Reducing the proliferation and dominance of these species will allow the preservation or restoration of native forest vegetation of greater ecological and economic value.

Background

This plan is to provide information on specific control activities recommended for control of invasive species on the Volkstone, Camp Dawson, and Pringle Tracts in 2009.

Invasive species generally display several or all of the following:

- Rapid growth and establishment
- Produce prolific numbers of seed
- Reproduce aggressively by vegetative reproduction
- Long flowering and fruiting period
- Tolerates a wide range of environmental conditions, especially disturbed soils

In 2004 a major effort was undertaken in portions of the Volkstone Tract to control, by herbicide injection and basal bark treatment, the tree-of-heaven (*Ailanthus altissima*) that had become established on the tract. Follow-up treatments were applied in subsequent years to complete the eradication of tree-of-heaven as well as control other invasive species in these same stands and additional areas on the Volkstone and Camp Dawson Tracts.

Strategy

1. Control of certain invasive plants in Dawson Stand 2b, and follow up on previously treated Dawson Stands 2a, 2c, and Dawson Stand 1.
2. Control of certain invasive exotic plants in areas previously treated, including portions of Volkstone Stands 1,2,3,4,5,7,8,9,10,11,12.
3. Control invasive plants within 50 ft on each side of the primary gravel road network on the Pringle tract.

The Target Species

The invasive exotic plants that are targeted for control in 2009, in approximate order of frequency:

Multiflora Rose, *Rosa multiflora*
 Japanese Knotweed, *Polygonum cuspidatum*
 Autumn Olive, *Elaeagnus umbellata*
 Japanese Stilt grass, *Microstegium vimineum*
 Tree-of-Heaven, *Ailanthus altissima*
 Oriental bittersweet, *Celastrus orbiculatus*
 Bush honeysuckle, *Lonicera morrowii*
 Japanese Barberry, *Berberis thunbergii*
 Winged Burning Bush, *Euonymus alata*
 European Privet, *Ligustrum vulgare*
 Wintercreeper Euonymus, *Euonymus fortunei*
 Japanese Spirea, *Spirea japonica*
 Japanese Honeysuckle, *Lonicera japonica*
 English Ivy, *Hedera helix*
 Mile-a-Minute, *Polygonum perfoliatum*

A complete list of invasive exotic plants known to be present that are not targeted for control (but may be treated at the discretion of the Contractor), is included in Appendix B.

Terrain

The portion of the Volkstone Tract that is on the uphill side of Route 72, and Dawson Tract Stand 2, is steep and rocky and is crossed by several small stream valleys. The slope ranges from nearly level in some sections to over 100% slope (45 degrees) in other areas. The parts of the Volkstone and Camp Dawson tracts near the Cheat River are generally less steep, but include short sections of steep slopes in gullies, road banks and riverbanks. Some areas have numerous small boulders on the surface, and some areas have a good deal of multiflora rose or blackberry in the understory, making walking difficult. The topography of the Pringle Tract consists of a rolling upland plateau and steep gorge slopes with an elevation range between 1300 and 2000 feet above sea level. The aspect is primarily easterly.

Access

A number of former logging and mining roads, and some have been opened up for access. There is vehicular access along the entire Volkstone tract along Rt. 72 at the bottom of the hill. The former railroad right-of-way is open and passable by motor vehicles. Most areas to be treated on the Dawson Tract are accessible by roads or trails. Access to the Dawson Tract may be disrupted at times due to perimeter fence line construction and may require coordination with post engineering (304-791-4478) and/or Camp Dawson, Natural Resources Office (NRO) (304-791-4130). Main access to the Pringle Tract is via the South Road from WV Route 72 (see map Appendix E).

Live Firing Range

There is an active firing range adjacent to stands D2a and D2b. Prior to working in these stands the contractor should notify the Camp Dawson NRO (304-791-4130) and/or Camp Dawson Range Control (304-791-4386/4425). When the range is hot a red range flag is flown at the ranges and at the Access Control Point (guard station).

Location and Extent of Target Species on the Volkstone and Camp Dawson Tracts

The area covered under this plan is about 617 acres in size. Two new areas are to be treated this year—Dawson Stand D2b (Hillside, 119 acres) and the Pringle Tract gravel road network (50 acres, within 50ft on each side of the road). Previously treated areas that are to be re-treated include all of the Volkstone Stands (354 total acres) except for V6 (proposed goat project area) - and Dawson Tract Stands D1 (riverbank, 15 acres) and D2a&c (79 acres). Additionally, Japanese Stiltgrass in Volkstone Stand V5 along and above the railroad, and the parts of Stands V2-4 and V6-8 within 100 ft. of Rt. 72 is to be treated (22 acres). Further information on these species is included in Appendix B.

In the previously-treated Stands some plants were missed and there is some new growth from seed of the target plant species, there is expected to be some re-growth of the Japanese Knotweed and a small but unknown amount of tree-of-heaven re-growth from basal sprouts and root suckers, and some multiflora rose and autumn olive re-sprouting from the base. There is no good way to measure or estimate this new growth or re-growth at this time. It is felt that the previous treatments were very effective, and the amount of new growth or regrowth to be treated is much less than before.

Location and Extent of Target Species on Pringle Tract Gravel Road Network

The dominant target species on this tract include; giant knotweed, autumn olive, and multiflora rose. The target area to be treated is South Pringle Road from Route 72 to the intersection with North Pringle Road. All target species within 50 ft. of each side of the road are to be treated. Total treatment area is approximately 50 acres along the 5 miles of road. Refer to the 2009 Pringle Tract Treatment Units map in Appendix F.

Control Recommendations

Research and experience have shown the impracticality of manual or mechanical cutting. *Ailanthus* re-sprouts and root suckers extensively and with great vigor. The target shrub and vine species would also re-sprout after cutting. The only practical control in the circumstances found here is the judicious use of chemical herbicides. All herbicide applications should be made according to label requirements under the supervision of a certified pesticide applicator (either contractor or contractor's employee).

The herbicide products to be used in 2009 are, in approximate order of area treated:

Accord Concentrate – glyphosate
 Garlon 3A – triclopyr (amine)
 Escort XP – metsulfuron methyl
 Pathfinder II – triclopyr (ester)
 Vantage – sethoxydim
 Habitat - imazapyr

Garlon 3A mixed with Escort XP will be the herbicide solution applied for general purposes on most of the new treatment area. This combination has been shown to be particularly effective on tree-of-heaven, multiflora rose, autumn olive, oriental bittersweet, and Japanese barberry, and is somewhat effective on Japanese knotweed and most other woody plants. Accord or Accord-Habitat mix will be used in some areas for Japanese knotweed and for treatment of other species in the same Stands that are being treated for knotweed. Vantage will be used for control of Japanese stiltgrass. Since Escort may not be used where it is likely to enter the water, Japanese knotweed growing directly on the stream banks or riverbank should be treated with either Accord Concentrate or Habitat. Pathfinder II is a pre-mixed product that is used for basal bark treatment of taller trees and shrubs.

These products are intended to move through the plant, including the root system, to kill the plant and control root suckering. Escort, Accord, Vantage, Habitat and Pathfinder II have a "Caution" signal word, an indication of very low toxicity. Garlon 3A has a "Danger" signal word, indicating higher toxicity, and Garlon is an eye irritant that can cause irreversible damage, so PPE, including protective eyewear and gloves is especially important. Detailed information is provided in the product label and material safety data sheet (MSDS). A high-quality non-ionic surfactant such as ChemSurf 90, Clean Cut, or Methylated Seed Oil should be added to the spray mix to improve dispersion, adhesion and penetration. Accurate measurement and very thorough mixing will be needed due to the tiny but potent amounts of Escort XP used, and the need to get and keep the Escort XP in suspension.

Post-treatment effects of foliage deformation and necrosis should be visible within four days of application for the Garlon mixtures, within ten days of application for the Accord mixtures, and within 20 days of application for Vantage or Habitat mixtures.

16 Conventional Volume "Spray to Wet" Foliar

The method of invasive exotic plant control to be used on the most accessible and heavily infested parts of the tract is a high-volume foliar spray. The volume rate used here should be approximately 50 gallons of solution per sprayed acre, but will vary considerably depending on target plant height and density. The foliage of all target plants up to 12 feet in height should be thoroughly wet, but not to the point of runoff. The application may be made using vehicle-mounted sprayer, ATV-mounted sprayer, or backpack sprayer. This method has the advantage of being able to quickly treat taller stems and larger areas that are dominated by undesirable plants. The foliar treatment must be made when the foliage is dry, and should not be applied when significant rainfall is expected within two hours.

The rate of herbicide application in this method should be on a "spray to wet" basis. The foliage and twigs of the target plants should be thoroughly wet, but not dripping off. The primary spray solution should be made up of 1 ounce (by weight) of Escort XP herbicide, 1.5 gallons of Garlon 3A herbicide, and 2 quarts of Clean Cut surfactant in enough water to make 100 gallons. Re-stated in another manner the primary mix is 1 oz. (by weight) of Escort XP per 100 gallons, 1.5% Garlon 3A, and 0.5% Clean Cut. A dye such as Hi-Light or Bullseye may be added. For stiltgrass control use Vantage at 1.5%. For treatment of knotweed areas the first or second year, use Accord Concentrate at 1%. For treatment of previously treated areas the mix used will be 1% Accord Concentrate and 0.5% Habitat.

Basal Bark Application

The third, and much less extensive, method of controlling tall tree-of-heaven, autumn olive, privet, multiflora rose, and climbing oriental bittersweet vines, to be used on this property will be basal bark application of herbicide onto the individual stems of the target plants. This method would be used on any plants that are too tall to be foliar treated.

The application should be done using a backpack sprayer and a narrow-angle even flat fan nozzle such as a 40.02E nozzle or an adjustable cone nozzle such as a Y3 tip. On shrubs and vines the spray treatment should be 12-24 inches in height from the ground line, depending on stem size, and on tree-of-heaven the treatment should be at a height of the diameter plus 10, expressed in inches.

The product to be used for basal bark treatment is Pathfinder II herbicide, a pre-mixed ready-to-use combination of triclopyr (ester) and an oil carrier.

The basal bark application may be made regardless of weather conditions or expected rainfall as long as the bark is not wet at the time of treatment. The basal bark treatment should be applied during the time period of May 1 to September 1.

Materials, Tools, and Equipment

Herbicide, surfactant, and dye will be purchased by WVARNG, stored in a secure location at the nearby Camp Dawson site, and made available to the contractor as needed. Any unused products will remain the property of WVARNG. Empty containers would be returned to the Camp Dawson pesticide storage site.

Project Management

The contractor is to cooperate and coordinate activities with Camp Dawson NRO, and provide information as needed.

Work to be Performed – by Stand

Stands V1 through V12 (excluding V6)—all invasive species to be treated targeting regeneration and survivors from previous treatments, May-September.

- V1 – Follow-up treatment all invasive species, May-September (Garlon 3A + Escort)
- V2 – Stiltgrass, July/August (Vantage)
- V3 – Inject surviving Ailanthus, May-June (Garlon 3A) and Stiltgrass, July/August (Vantage)
- V4 – Inject surviving Ailanthus, May-June (Garlon 3A) and Stiltgrass, July/August (Vantage)
- V5 – Inject surviving Ailanthus, May-June (Garlon 3A) and spray Stiltgrass along river, July/August (Vantage)
- V6 – Future Goat Project Area, no treatment for 2009
- V7 – Knotweed only, August - September (Habitat + Accord)
- V8 – Knotweed only, August - September (Habitat + Accord)
- V9 – Knotweed, August (Habitat + Accord)
- V10 – Knotweed, August (Habitat + Accord)
- V11 – Knotweed and follow-up treatment, June -September (Garlon 3A + Escort) and Stiltgrass, July/August (Vantage)
- V12 – Knotweed, August (Accord) and Stiltgrass, July/August (Vantage)

D1 – All species, including knotweed, August (Accord + Habitat) and Stiltgrass, July/August (Vantage)

D2a – All species, including knotweed, July/August (Garlon 3A + Escort) and Stiltgrass, July/August (Vantage)

D2b – All species, May-September (Garlon 3A + Escort)

D2c – Follow-up treatment all invasive species, July/August (Garlon 3a + Escort)

PT-R, Pringle Tract gravel road network (Five miles), all species to be sprayed, 50 acres total. 2009 Pringle Tract Treatment Units Map in Appendix F.

Work to be Performed – Schedule

1. May/June – V1, V2, V3, V4 Follow-up treatment (Garlon 3A + Escort) and inject surviving Ailanthus (Garlon 3A)
2. June – V5 Follow-up treatment (Garlon 3A + Escort) and inject surviving Ailanthus (Garlon 3A)
3. July/August – V2, V3, V4, V5, V11, V12, D1, D2a Stiltgrass (Vantage)
4. August – V7, V8, V9, V10, D1 Knotweed (Habitat + Accord)
5. August – V11, D2c Follow-up treatment all invasive species (Garlon 3A + Escort)
6. September – V2, V3, V4 re-treat Stiltgrass if needed, from route 72 up 100ft (Vantage)
7. July thru September – PT-R, Treat all invasive species fifty feet on both sides of the roads. 2009 Pringle Tract Treatment Units PR-1 thru PR-6

Field Data Requirements

Contractor is to complete and provide to Camp Dawson NRO a daily record of pesticide application, including products, amounts, approximate acres, weather conditions, and other pertinent information. The Contractor is also to enter this information into the Weed Information Management System (WIMS) database. This database is available for free from The Nature Conservancy (TNC) website - <http://tncinvasives.ucdavis.edu/products/wims/downloads.html> - and should be downloaded by the contractor for data entry. It is recommended that data be entered into the WIMS database on a daily basis.

- 18 The contractor will provide completed WIMS data to Camp Dawson NRO on a weekly basis so it can be entered into the WVARNG WIMS database. Additionally, the contractor will enter data in the field on a handheld Global Positioning System (GPS) unit with WIMS software once or twice a week as available. The GPS unit will be provided by Camp Dawson NRO.

Worker Safety

All practical measures should be taken to provide for the safety of those engaged in the work on this project. Potential hazards include scratches, falls, sprains, insect bites, snakebites, chemical exposure, cuts, heat exhaustion and dehydration.

Workers must be trained in safe pesticide handling and work procedures. Workers should wear shoes or boots with good traction, long pants and long-sleeved shirts. Protective eyeglasses, non-latex rubber gloves and other personal protective equipment (PPE) will be required for mixing and spray application. Drinking and washing water and first-aid supplies must be readily available. The supervisor and other key persons must be aware of emergency procedures, emergency medical response and transport, hospital location, etc. Any significant personal injury accidents should be reported to the NRO, as well as other agencies as required.

Environment and Human Health

The products recommended in this plan have been approved by the U.S. Environmental Protection Agency (EPA), and are determined to be safe for the environment, public health and the health of the applicators when used as directed. All application is to be made in full accordance with the product label, by trained persons under the direct supervision of a certified pesticide applicator. No trash is to be left on site, but must be packed out and disposed of properly. Any chemical spills or other incidents are to be reported to the NRO, as well as other agencies as required.

Appendix A
Daily Pesticide Application Record

Business Name: _____

Certified Pesticide Applicator: _____ WV Cert. #: _____

Applied By (Applicator or Crew Leader): _____

Date: _____ Day of Week (circle) – Mon, Tues, Wed, Thurs, Fri, Sat, Sun

Location - Volkstone Tract, Camp Dawson Tract and Pringle Tract.
Owner – WV Army National Guard, Camp Dawson, 240 Army Road, Kingwood, WV 26537.

Section or Stand Number or Identifier: _____

Pests Treated – Multiflora Rose, Japanese Knotweed, Autumn Olive, Tree-of-Heaven, and
other _____

Method of Application – (circle one or both) Foliar Spray, Basal Bark Spray

Herbicides Used (check all that apply):

- Garlon 3A (EPA Reg. # 62719-37) 1.5%.
- Escort XP (EPA Reg. # 352-439) 1 oz./100 gal.
- Accord Concentrate (EPA Reg. # 62719-324) 1%
- Habitat (EPA Reg. #24-426) 0.5%
- Vantage (EPA Reg. # 7969-88-51036) 1.5%
- Pathfinder II (EPA Reg. # 62719-176) pre-mixed, ready to use (13.6% triclopyr)
- Other: _____

Amount of Spray Volume Used: _____

Amount of Herbicide Product Used:

Product _____	Amount _____	Product _____	Amount _____
Product _____	Amount _____	Product _____	Amount _____
Product _____	Amount _____	Product _____	Amount _____

Approximate Acres Treated: _____

Time Started: _____

Time Ended: _____

Weather

<u>Time</u>	<u>Temp F</u>	<u>Wind Speed</u>	<u>Direction</u>	<u>Atmospheric (circle)</u>
_____	_____	_____	_____	Sun, PtlyCldy, Cldy, Rain
_____	_____	_____	_____	Sun, PtlyCldy, Cldy, Rain
_____	_____	_____	_____	Sun, PtlyCldy, Cldy, Rain

Comments: _____

Completed By: _____

Appendix B

Invasive Alien Plants on Volkstone and Camp Dawson Tracts

Species in Bold font are of high or moderate priority, and will be targeted in 2009.

<u>Species Name</u>	<u>Common Name</u>	<u>Also Known As</u>	<u>Type of Plant</u>	<u>Occurrence Rating on Site</u>	<u>Priority Rating</u>
Ailanthus altissima	Tree-of-Heaven	Ailanthus	tree	Low	high
<i>Allaria petiolata</i>	Garlic Mustard	Poor Man's Mustard	annual broadleaf	High	low
<i>Artemisia vulgaris</i>	Mugwort	Felton Herb	perennial broadleaf	Moderate	low
Berberis thunbergii	Japanese Barberry	Thunberg's Barberry	shrub	Low	high
<i>Carduus acanthoides</i>	Plumeless Thistle	Spiny Plumeless Thistle	biennial broadleaf	Low	low
<i>Carduus nutans</i>	Musk Thistle	Nodding Thistle	biennial broadleaf	Low	low
Celastrus orbiculatus	Oriental Bittersweet	Asiatic Bittersweet	perennial vine	Low	high
<i>Centaurea maculosa</i>	Spotted Knapweed	(C. biebersteinii?)	annual broadleaf	Low	low
<i>Cirsium arvense</i>	Canada Thistle	Creeping Thistle	perennial broadleaf	Low	low
<i>Cirsium vulgare</i>	Bull Thistle	Roadside Thistle	biennial broadleaf	Low	low
<i>Commelina communis</i>	Asiatic Dayflower	Yazhicao or Duckfoot herb	annual broadleaf	Low	low
Elaeagnus umbellata	Autumn Olive	Japanese Silverberry	shrub	Moderate	high
Euonymus alata	Winged Burning Bush	Winged Euonymus	shrub	Low	high
Euonymus fortunei	Winter Creeper Euonymus	Creeping/Climbing Euonymus	perennial vine	Low	high
<i>Glechoma hederacea</i>	Ground Ivy	Gill-over-the ground	perennial vine	High	low
Hedera helix	English Ivy	Common Ivy	perennial vine	Low	high
<i>Hemerocallis fulva</i>	Daylily	Common Daylily	perennial broadleaf	Low	low
Ligustrum spp.	Privet	European Privet	shrub	Moderate	high
Lonicera japonica	Japanese Honeysuckle	Winter Enduring Vine	perennial vine	Low	high
Lonicera spp.	Bush Honeysuckles	L. maackii, Morrowii, tartarica	shrub	Low	high
Microstegium vimineum	Japanese Stiltgrass	Nepalese Browntop	annual grass	Low	high
<i>Perilla frutescens</i>	Beefsteak Plant	Perilla, Chiso	annual broadleaf	Low	low
<i>Phalaris arundinacea</i>	Reed Canary Grass	Ribbon Grass	perennial grass	Low	low
Polygonum cuspidatum	Japanese Knotweed	Mexican bamboo, Falloplia jap.	perennial broadleaf	Moderate	high
Rosa multiflora	Multiflora Rose	Rambler Rose	shrub	High	high
<i>Rubus phoenicolasius</i>	Wineberry	Japanese wineberry	shrub	Low	low
Spirea japonica	Japanese Spirea	Alien Invader	shrub	Low	high
<i>Urtica dioica</i>	Stinging Nettle	Do Not Touch Plant	Perennial broadleaf	Low	low
<i>Vinca minor</i>	Periwinkle	Common Periwinkle	perennial vine	Low	low

Appendix C

Volkstone Stand(s) Treatment Acreage for 2009

<i>Stand ID</i>	<i>Acres-1</i>	<i>Hectares-1</i>
V1	33	13
V2	40	16
V3	61	25
V4	56	23
V5	23	9
*V6	40	16
V7	17	7
V8	16	6
V9	23	9
V10	29	12
V11	51	20
V12	5	2
Total	354	158

*(V6 Stand subtotal not include in total treatment acreage for 2009)

Camp Dawson Stand(s) Treatment Acreage for 2009

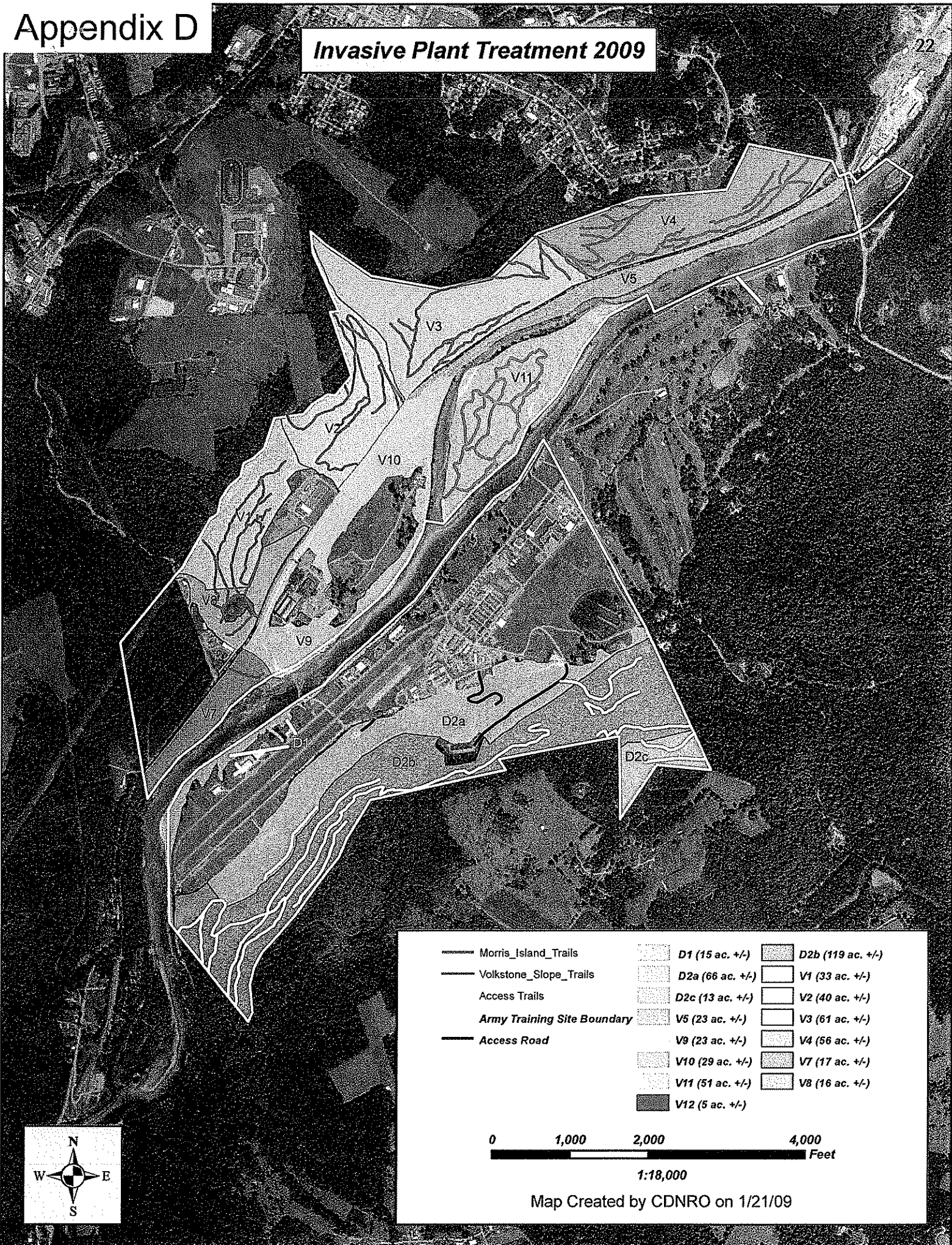
<i>Stand ID</i>	<i>Acres-1</i>	<i>Hectares-1</i>
D1	15	6
D2a	66	26
D2b	119	47
D2c	13	5
Total	213	86

Pringle Tract Gravel Road Network Area for 2009

<i>Stand ID</i>	<i>Acres-1</i>	<i>Hectares-1</i>
PT-R	50	20
Total	50	20

Total Treatment Acreage for 2009, 617 acres.
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Invasive Plant Treatment 2009

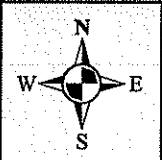


— Morris_Island_Trails	D1 (15 ac. +/-)	D2b (119 ac. +/-)
— Volkstone_Slope_Trails	D2a (66 ac. +/-)	V1 (33 ac. +/-)
— Access Trails	D2c (13 ac. +/-)	V2 (40 ac. +/-)
Army Training Site Boundary	V5 (23 ac. +/-)	V3 (61 ac. +/-)
— Access Road	V9 (23 ac. +/-)	V4 (56 ac. +/-)
	V10 (29 ac. +/-)	V7 (17 ac. +/-)
	V11 (51 ac. +/-)	V8 (16 ac. +/-)
	V12 (5 ac. +/-)	

0 1,000 2,000 4,000
Feet

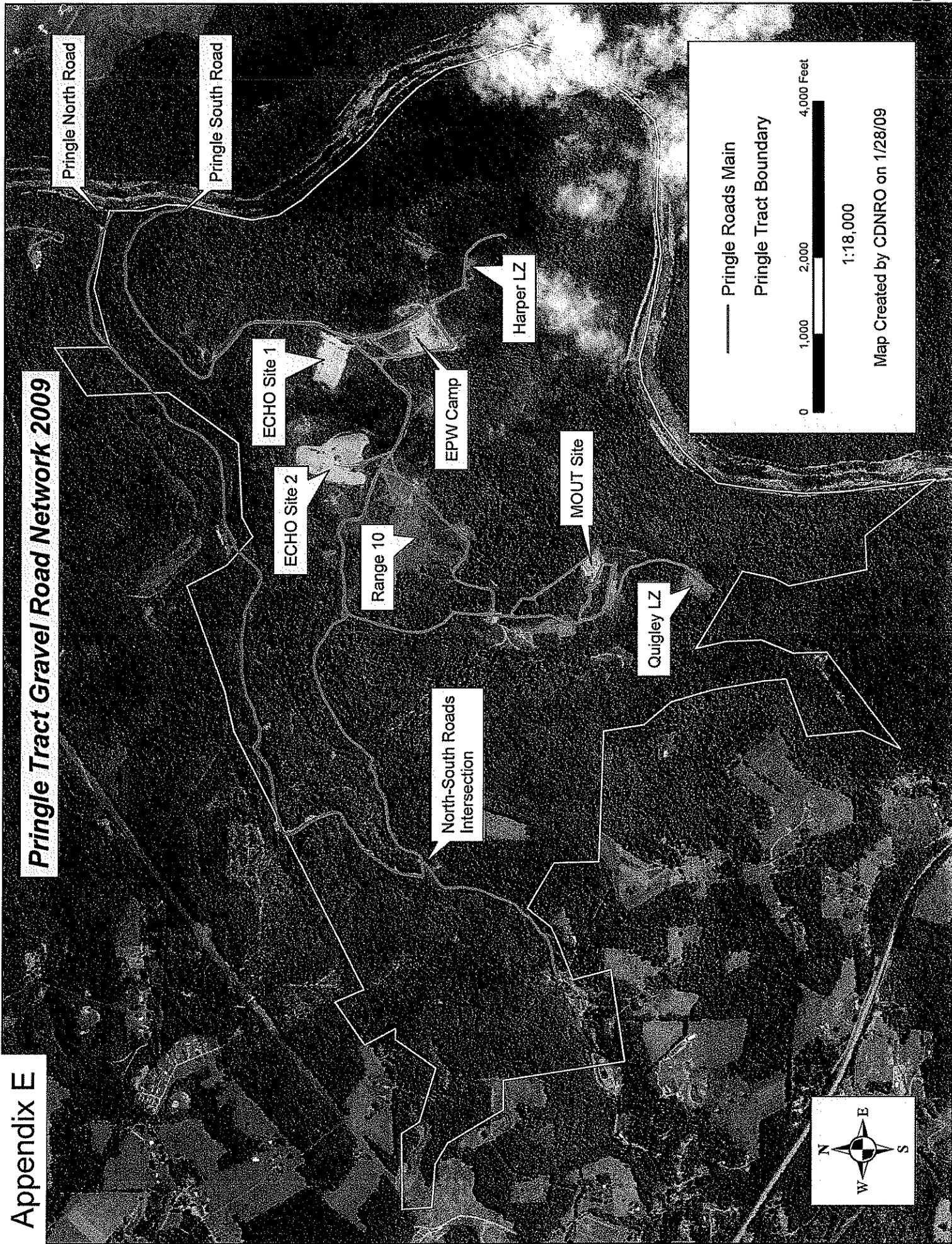
1:18,000

Map Created by CDNRO on 1/21/09



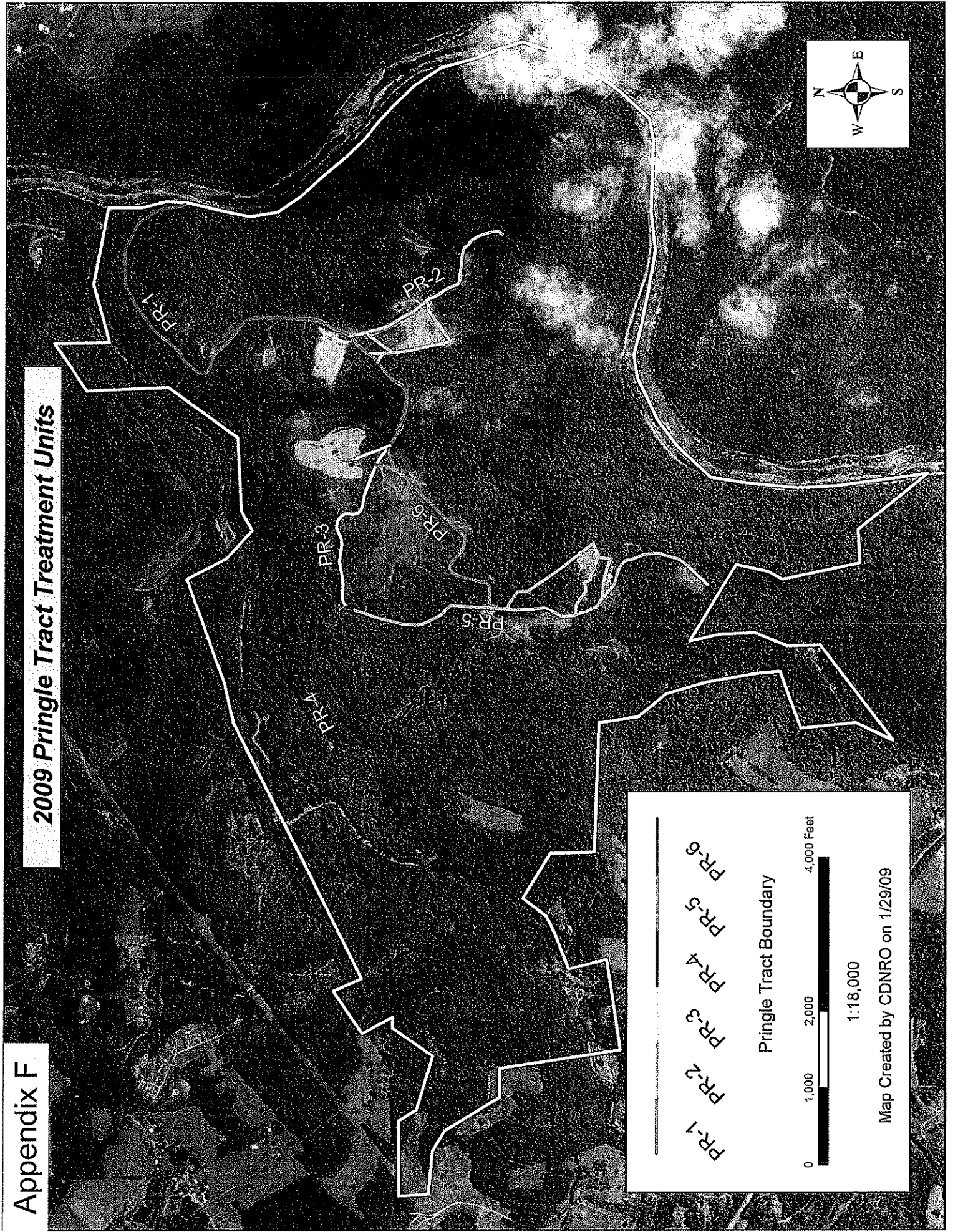
Appendix E

Pringle Tract Gravel Road Network 2009



Appendix F

2009 Pringle Tract Treatment Units



PR-1 PR-2 PR-3 PR-4 PR-5 PR-6

Pringle Tract Boundary

0 1,000 2,000 4,000 Feet

1:18,000

Map Created by CDNRO on 1/29/09

VENDOR PREFERENCE CERTIFICATE

Certification and application* is hereby made for Preference in accordance with *West Virginia Code*, §5A-3-37. (Does not apply to construction contracts). *West Virginia Code*, §5A-3-37, provides an opportunity for qualifying vendors to request (at the time of bid) preference for their residency status. Such preference is an evaluation method only and will be applied only to the cost bid in accordance with the *West Virginia Code*. This certificate for application is to be used to request such preference. The Purchasing Division will make the determination of the Resident Vendor Preference, if applicable.

- 1. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is an individual resident vendor and has resided continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a partnership, association or corporation resident vendor and has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or 80% of the ownership interest of Bidder is held by another individual, partnership, association or corporation resident vendor who has maintained its headquarters or principal place of business continuously in West Virginia for four (4) years immediately preceding the date of this certification; or,
 Bidder is a nonresident vendor which has an affiliate or subsidiary which employs a minimum of one hundred state residents and which has maintained its headquarters or principal place of business within West Virginia continuously for the four (4) years immediately preceding the date of this certification; or,
- 2. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is a resident vendor who certifies that, during the life of the contract, on average at least 75% of the employees working on the project being bid are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
- 3. Application is made for 2.5% resident vendor preference for the reason checked:
 Bidder is a nonresident vendor employing a minimum of one hundred state residents or is a nonresident vendor with an affiliate or subsidiary which maintains its headquarters or principal place of business within West Virginia employing a minimum of one hundred state residents who certifies that, during the life of the contract, on average at least 75% of the employees or Bidder's affiliate's or subsidiary's employees are residents of West Virginia who have resided in the state continuously for the two years immediately preceding submission of this bid; or,
- 4. Application is made for 5% resident vendor preference for the reason checked:
 Bidder meets either the requirement of both subdivisions (1) and (2) or subdivision (1) and (3) as stated above; or,
- 5. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:
 Bidder is an individual resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard and has resided in West Virginia continuously for the four years immediately preceding the date on which the bid is submitted; or,
- 6. Application is made for 3.5% resident vendor preference who is a veteran for the reason checked:
 Bidder is a resident vendor who is a veteran of the United States armed forces, the reserves or the National Guard, if, for purposes of producing or distributing the commodities or completing the project which is the subject of the vendor's bid and continuously over the entire term of the project, on average at least seventy-five percent of the vendor's employees are residents of West Virginia who have resided in the state continuously for the two immediately preceding years.

Bidder understands if the Secretary of Revenue determines that a Bidder receiving preference has failed to continue to meet the requirements for such preference, the Secretary may order the Director of Purchasing to: (a) reject the bid; or (b) assess a penalty against such Bidder in an amount not to exceed 5% of the bid amount and that such penalty will be paid to the contracting agency or deducted from any unpaid balance on the contract or purchase order.

By submission of this certificate, Bidder agrees to disclose any reasonably requested information to the Purchasing Division and authorizes the Department of Revenue to disclose to the Director of Purchasing appropriate information verifying that Bidder has paid the required business taxes, provided that such information does not contain the amounts of taxes paid nor any other information deemed by the Tax Commissioner to be confidential.

Under penalty of law for false swearing (*West Virginia Code*, §61-5-3), Bidder hereby certifies that this certificate is true and accurate in all respects; and that if a contract is issued to Bidder and if anything contained within this certificate changes during the term of the contract, Bidder will notify the Purchasing Division in writing immediately.

Bidder: Eastern American Forest Mgmt., LLC Signed: Ralph G. [Signature]

Date: Mar 26, 09 Title: Manager

*Check any combination of preference consideration(s) indicated above, which you are entitled to receive.

STATE OF WEST VIRGINIA
Purchasing Division

PURCHASING AFFIDAVIT

VENDOR OWING A DEBT TO THE STATE:

West Virginia Code §5A-3-10a provides that: No contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and the debt owed is an amount greater than one thousand dollars in the aggregate.

PUBLIC IMPROVEMENT CONTRACTS & DRUG-FREE WORKPLACE ACT:

If this is a solicitation for a public improvement construction contract, the vendor, by its signature below, affirms that it has a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code*. The vendor **must** make said affirmation with its bid submission. Further, public improvement construction contract may not be awarded to a vendor who does not have a written plan for a drug-free workplace policy in compliance with Article 1D, Chapter 21 of the *West Virginia Code* and who has not submitted that plan to the appropriate contracting authority in timely fashion. For a vendor who is a subcontractor, compliance with Section 5, Article 1D, Chapter 21 of the *West Virginia Code* may take place before their work on the public improvement is begun.

ANTITRUST:

In submitting a bid to any agency for the state of West Virginia, the bidder offers and agrees that if the bid is accepted the bidder will convey, sell, assign or transfer to the state of West Virginia all rights, title and interest in and to all causes of action it may now or hereafter acquire under the antitrust laws of the United States and the state of West Virginia for price fixing and/or unreasonable restraints of trade relating to the particular commodities or services purchased or acquired by the state of West Virginia. Such assignment shall be made and become effective at the time the purchasing agency tenders the initial payment to the bidder.

I certify that this bid is made without prior understanding, agreement, or connection with any corporation, firm, limited liability company, partnership or person or entity submitting a bid for the same materials, supplies, equipment or services and is in all respects fair and without collusion or fraud. I further certify that I am authorized to sign the certification on behalf of the bidder or this bid.

LICENSING:

Vendors must be licensed and in good standing in accordance with any and all state and local laws and requirements by any state or local agency of West Virginia, including, but not limited to, the West Virginia Secretary of State's Office, the West Virginia Tax Department, West Virginia Insurance Commission, or any other state agencies or political subdivision. Furthermore, the vendor must provide all necessary releases to obtain information to enable the Director or spending unit to verify that the vendor is licensed and in good standing with the above entities.

CONFIDENTIALITY:

The vendor agrees that he or she will not disclose to anyone, directly or indirectly, any such personally identifiable information or other confidential information gained from the agency, unless the individual who is the subject of the information consents to the disclosure in writing or the disclosure is made pursuant to the agency's policies, procedures and rules. Vendor further agrees to comply with the Confidentiality Policies and Information Security Accountability Requirements, set forth in <http://www.state.wv.us/admin/purchase/privacy/noticeConfidentiality.pdf>.

Under penalty of law for false swearing (*West Virginia Code* §61-5-3), it is hereby certified that the vendor affirms and acknowledges the information in this affidavit and is in compliance with the requirements as stated.

Vendor's Name: Eastern American Forest Management, LLC

Authorized Signature: [Signature] Date: Mar 26, 09