entered 6/14/05

Natural Heritage Monitoring Form

Name of Plant Monitors: Karen Dalenius, Jackie Lawrence **Name of Site: ~~Justus Mountain~~/Brookshire Gap** GA-6

Date of Visit: 10/24/2004 **Time of Visit: Late morning**

For each rare species (or population, if applicable) found, please complete the following information:

Species (and population, if applicable): Aster Phlogifolius (clasping aster)

Stage of plant development: **(a) in flower** (b) in fruit (berry) (c) vegetation only

Timing of visit: (a) too early – identifiable features of plant not evident
(b) just right – able to identify and count plants
past peak but not to late to see blossoms and evaluate foliage
(c) too late – plants past their prime

How confident are you that you identified the species? Quite confident. Can supply photos.

Number of individuals seen: Couple dozen plants

Do you think you identified all the plants at the site? Most, if not all.

Area covered by rare species:

Vigor of species: ____Excellent ___Good __X__Fair ___Struggling

How does the size (area) and vigor of the species compare with previous visits?
___Improved ___Stable ___Declining (please mark only one). Stable or declining. Our findings differ from June 2002 report by other individuals.

Did you see any evidence of human activities at this site? (e.g. trampling, camping) No.
If so, what?

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) No. If so, what?

Location of plants near Brookshire Gap:

1. From Cooper Gap walk trail northeast (toward Brookshire Gap). Trail crosses over Justus Mountain within about ½ mile. Near crest, there is a small boulder field with a large flat rock in the middle of the trail. This is just beyond a spur in the trail to the right leading to a small clearing under a rock overhang. Oo the north of the trail just beyond the large flat rock, up the hill, is one large specimen about a foot off the trail. There are 1-2 dozen specimens in this same area. These were the only specimens located between Cooper Gap and ½ mile beyond Brookshire Gap.

2. Most aster specimens noted in June 11, 2002 report below were also located, but none of the specimens were clasping asters (see italicized text).

Copy of June 11, 2002 report on location of Aster Phlogifolius near Brookshire Gap

1. From Brookshire Gap walk trail south (toward Cooper Gap). Trial crosses a very large flat rock. Below the rock are some blowdowns on the right side of the trail. Between the two, also on the risk, is a clump of asters, 7-8 stems. *Located specimens, but did not identify as Phlogifolius.*

2. Beyond the flat rock (going trail south), approximately 40 feet there is an oak with double trunk on the right side of the trail. Single plant growing between the oak and the trail about 1 ft. from the treadway. Second plant 3 feet further up discovered. *Located aster plants, but did not identify as Phlogifolius.*
3. Walking back down to Brookshire Gap (heading trail north) pass the flat rock again. There is a waterbar with a log close to it on the right almost to the gap. Next to the step below it is a plan with one stem. *Located aster, but did not identify as Phlogifolius.*
4. From Brookshire Gap (still walking trail north) pass one large blowdown on the risk of the trail. About 12 feet before you come to a second blowdown (pieces on both sides of trail) there is a plant on the left with 6 stems. *Located aster, but did not identify as Phlogifolius.*
5. Another plant with 2 stems is bout 2 feet beyond the blowdown on the left (couldn't find this one 6/02). *Did not locate this specimen.*
6. Twelve feet beyond the blowdown on left there is a plant with a single stem about 1 foot from the trail. *Located aster, but did not identify as Phlogifolius.*
7. Six feet beyond that is another single stem plant. Discovered big plant on right (opposite side of the
8. Six feet further on the right is a big plant. *Did not locate this specimen*
9. Six feet further on the left there is another big plant. Discovered another plant on right (opposite side of the trail 6/02). *Located aster, but did not identify as Phlogifolius*
10. New plant (6/02) on left approximately 15 feet further. *Located aster, but did not identify as Phlogifolius*
11. Ten feet further on the right side just before the blowdown on the left is another plant. *Located aster, but did not identify as Phlogifolius*
12. Ten feet further just below a blowdown on the left is another plant. *Located aster, but did not identify as Phlogifolius*
13. Ten feet further on the left is another plant. *Located aster, but did not identify as Phlogifolius*
14. Three feet further is another plant. *Located aster, but did not identify as Phlogifolius*
15. Fifteen feet below the first flat rock across the trail as you head north is a plant with two stems. Additional plant 5 feet further on discovered 6/02. *Located aster, but did not identify as Phlogifolius*
16. Pass through large tangle of blowdowns with several big trees suspended. Passing several other blowdowns, roughly 75 paces up the trail are two parallel blowdowns about 3 feet apart. One plant discovered 6/02 between the two pieces of blowdowns on left. *Located aster, but did not identify as Phlogifolius*

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: DARLEEN JARMAN **Site Name:** BLACKWELL CREEK

Volunteer Hours, including travel time: — **Site Number:** (ex. VA-70) GA-7

entered 6/14/05

Date of Visit: (ex.06/22/2003) 5/23/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) _____ **Common Name:** YELLOW LADY SLIPPER

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? JUST RIGHT

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate) 3

#Individuals 3 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

4 Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

SAME AS LAST YEAR. 2 FEWER THAN 2002

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: NONE

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other: NONE

In your opinion, what action, if any, is necessary to protect the sensitive species?

MONITOR

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: DARLEEN JARMAN (REPORTED W/ TRAIL MAINT) **Site Name:** BLACKWELL CREEK

Volunteer Hours, including travel time: **Site Number:** (ex. VA-70) GA-7

entered 6/14/05

Date of Visit: (ex.06/22/2003) 8/8/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) COREOPSIS LATIFOLIA **Common Name:**

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? JUST RIGHT

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? 80%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

100 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good (Fair) Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining) FEWER INDIVIDUALS & ALL SHORTER

Do you see any evidence of human activity at the site? (Circle all that apply) NO

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

THE AREA SEEMS SHADIER

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Ginny Smith **Site Name:** Blood Mountain

Volunteer Hours, including travel time: 8 **Site Number:** (ex. VA-70) GA - 14

→ Reported to GATC & USFS with trail maintenance hours.

Date of Visit: (ex.06/22/2003) 4/26/04

entered 6/14/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Vaccinium erythrocarpum **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Okay

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? fairly confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals lost notes & don't remember exact number 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) No

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Blowdowns Other:
in area may have hit a plant. Not sure

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

I was doing trail maintenance on Blood Mountain. Had some time while waiting for helicopter to drop materials. I didn't have monitoring materials with me to compare plants with previous years. Comments are based on general impressions and memory (!!!)

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Ginny Smith **Site Name:** Wood Mountain

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) GA - 14

entered 6/14/05

Date of Visit: (ex.06/22/2003) 6/26/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Sorbus americana **Common Name:** Mountain Ash

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals Not sure, No notes 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good (Fair) Struggling → These trees have always had some dead on them. Some have sprouts from older stumps

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) No

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side See comments on back of first page

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form entered 6/14/05

Name of Monitor: Ginny Smith **Site Name:** Blood Mountain

Volunteer Hours, including travel time: 8 hrs. **Site Number:** (ex. VA-70) GA - 14

Hours were reported to GATC & USFS because part of time was spent on trail work.

Date of Visit: (ex.06/22/2003) 5/15/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Trientalis borealis **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Okay

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other: only slight

Were there any other threats to the site? (Please List if known) No

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

See notes on back

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Site was monitored with one of our trail construction people. In June a mouldering privy was built on this site. I walked up & worked with privy crew. ~~was~~ We tried to avoid as many plants as possible. Darleen Sarman, who monitors The Blackwell Creek site, also worked on this trip and a subsequent trip and kept an eye on the plants while working. New privy location and trail may actually have less impact on the plants than the previous privy which was also on this site, but, in an area where more plants were growing.

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form entered 6/14/05

Name of Monitor: Ginny Smith **Site Name:** Blood Mountain

Volunteer Hours, including travel time: 6 hrs **Site Number:** (ex. VA-70) GA-14

Date of Visit: (ex.06/22/2003) 6/16/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Hypericum buckleyi **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? No Timing was good

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? very confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 37 (patches of plants - each patch may have contained more than one individual) 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining Looked in new areas & found more plants than previously

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) No

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Educate hiking public to walk on durable surfaces

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Ginny Smith **Site Name:** Blood Mountain

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) GA - 14

entered 6/14/05

Date of Visit: (ex.06/22/2003) 6/16/2004

Did you take any photographs? Yes No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Paronychia argyrocoma **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 66 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining) See notes

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Some competition Other: from grass or shrubs.

In your opinion, what action, if any, is necessary to protect the sensitive species?

Educate public. Possibly pruning shrubs if USFS allows this in a wilderness area.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Ginny Smith **Site Name:** Blood Mountain

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) GA - 14

Entered 6/14/05

Date of Visit: (ex.06/22/2003) 6/16/2004 continued

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Sibbaldiopsis tridentata **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Okay

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 92 (possibly more - hard to distinguish individuals) 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining) Slightly - see notes

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) no

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Educate public

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Natural Heritage Monitoring. Blood Mountain. June 16, 2004.

Hypericum.

Big rock near shelter and "trail" beyond rock. Roughly 27 patches some large (2'x4') and others very small (3" x3")

Rocks trail north of shelter: 1st large rock 5 plants. Large rock beyond this – 3'x3' patch and a 12'x3' patch. Third rock: a 2'x2' patch and two 3'x3' patches.

Trientalis: Monitored earlier. Worked with crew building a privy to keep the plants from being trampled.

Sibbaldiopsis and Paronychia.
Compared plants to photos from 2001

Roll 1.

#2 Sibbaldiopsis	No change
#3 Sibbaldiopsis	No change
#4 Sibbaldiopsis	Slight trampling
#5 Sibbaldiopsis.	Slightly damaged.
#6 Sibbaldiopsis	One, partly overgrown by shrub. Other clump, good.
#7 Paronychia.	Damaged, almost gone. Two new clumps nearby.
#8 Sibbaldiopsis	Couldn't find where this one was supposed to be.
#9 Sibbaldiopsis	Slightly bigger.
#10 Sibbaldiopsis	No change
#11 Sibbaldiopsis	Slightly damaged.
#12 Paronychia	Damage from trampling but several new plants nearby
#13 Paronychia	Vaccinium has grown over plant but it is still there.
# 14 Paronychia	Couldn't find this location
#15 Sibbaldiopsis & Paronchia	Same
#16 Paronychia	Gone. Maybe overgrown by laurel.
#17 Paronychia	Small plant is gone. New plant nearby.
#18 Paronychia	Gone
#19 Sibbaldiopsis	Same
#20 Sibbaldiopsis	Same
#21 Sibbaldiopsis	Same
#22 Sibbaldiopsis	Same
#23 Sibbaldiopsis	Same
#23 Paronychia	Gone
#24 Paronychia	One plant gone, three others okay
#25 Paronychia	Two small plants gone, two others are larger

Roll 2

.#1 Paronychia	Okay. New plant above this one.
#2 Paronychia	One plant gone. Other plant trampled.
#3 Paronychia	Gone.
#4 Paronychia	One, smaller. Two, bigger. One, new
#5 Sibbaldiopsis	Gone, trampling.
#6 Paronychia	Okay
#7 Paronychia	Gone. (Sibbaldiopsis, still there)
#8 Paronychia	Okay.
#9 Sibbaldiopsis	Bigger
#10 Sibbaldiopsis	Bigger.
#11 Sibbaldiopsis	One gone, one okay.
#12 Sibbaldiopsis	Bigger
#13 Sibbaldiopsis	Bigger.
#14 Sibbaldiopsis	Slightly smaller
#15 Sibbaldiopsis	Same.
#16 Paronychia	Couldn't find this place.
#17 Paronychia	Some slightly trampled. some larger.
#18 Paronychia	Slightly larger.
#19 Paronychia	Same.
#20 Paronychia	Smaller, overgrown by other plants.
#21 Paronychia	Gone. Grass choked it out.
#22 Paronychia	Slightly larger
#23 Paronychia	Couldn't find this place
#24 Paronychia	Couldn't find this place

Total rough count of plants:

Sibbaldiopsis – 92
Paronychia – 66

(Count is rough. There are probably more Sibbaldiopsis than this number but it is difficult to distinguish individuals with out poking around in the clumps. Paronychia count is probably closer to being correct. Some photos have more than one plant in them. I also located additional plants that I have not photographed.)

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Susan Cowan **Site Name:** Cold Spring Gap

Volunteer Hours, including travel time: 10 **Site Number:** (ex. VA-70) GA-21 entered 6/14/05

Date of Visit: (ex.06/22/2003) 9/11/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Silene Ovata **Common Name:** Campion

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? no

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Sure

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 1 plant 12 stems 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

1/4 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply) none

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

(Insects: ?) Invasive/Exotic Plants: (Animal Browsing: Snails ?)

(Competition from other plants:) Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

I think there is nothing to be done, but it is on its way out.

Other Comments / Notes / Maps / Drawings Use Opposite Side See other side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

This year I stood right at its spot and still took a long time seeing it even though it still had some blooms. It was bedraggled with yellow leaves which were mostly chewed off. There was a snail on one of the intact leaves. I do not know if snails eat leaves. It is getting crowded out, tucked behind a Christmas fern, under some young tree, overshadowed by wild hydrangea, with a large weed lining the trail.

I suppose one could open up the area again, but in 6 years that plant has not grown nor reproduced. No wonder it is rare!

On the plus side, for the first time ever I made this trip in sunshine with no rain.

The AT from Chattahoochee Gap to Cold Springs Gap was really overgrown. It has never been like that before. I managed to come home with a poison ivy rash.

I do not know my site number. I cleared up to be able to work from home and I have no idea where I stored those original papers. All the years they sat out, I could find them.

entered 6/14/05

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Nancy Shofner, Patty Lowe **Site** : Spaniards Knob

Volunteer Hours, including travel time: 15 **Site Number:** (ex. VA-70) GA - 22

Date of Visit: (ex.06/22/2003) 5 / 18/ 2004

Did you take any photographs? Yes No X **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) DID NOT FIND TRILLIUM SIMILE **Common Name:**_____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27)

_____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
_____?_____

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____Sq.Ft. _____Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?
This plant is supposed to be about 200 feet below the Trail down a very rocky slope which is difficult for anyone to reach, and is not likely to be disturbed if in fact it is there.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ginny Smith, 3395 Lakeside Lane, Cumming, GA 30040

Nancy has faithfully monitored this site each year, but she's never found Trillium simile. Four of us, me included, tried to find it one year. I plan to move her to another site where she will have more success. I'll try to find another person for the Spaniards Knob site.

— Ginny

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 10 2006
NATIONAL PARK SERVICE

Name of Monitor: Don O'Neal NC Site Name: Standing Indian
accounted for in work hours

Volunteer Hours, including travel time: _____ Site Number: (ex. VA-70) NC 5

Date of Visit: (ex.06/22/2003) __/__/____ Summer months - several visits - ~6

Did you take any photographs? Yes (No) If so, please include examples

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Houstonia longifolia - Common Name: _____

entered 6/14/05

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Sure

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at ~~the site~~? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

~~Appalachian Trail~~ Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Graciolate lichen
not right on trail

Julie -

Again, the bluet seems to be thriving along AT margins. I have seen it along trail on Standingstone — Rough Butt Bald was looking covered, + for the first time on Yellow Mountain -

Don Neel.

NC

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 1 2005
NATIONAL PARK SERVICE

Name of Monitor: Elisabeth Feil **Site Name:** Pigeon River Gorge

Volunteer Hours, including travel time: 4 **Site Number:** (ex. VA-70) NC 31

Date of Visit: (ex.06/22/2003) 04/05/2004

entered 6/14/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Trillium simile **Common Name:** Sweet White Trillium; (Gleason's Trillium)

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Some what early

Stage of Plant Development: (circle) (in flower) in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 119 flowering; 110 non-fl 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
Directly above & below 1/4 of a mile of trail
_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site (Trail ~~Maintenance~~ USE) Collection ATV
Other:

Were there any other threats to the site? (Please List if known) NO
Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:
The pressure from above has not returned yet. Burnt area is recovering very slowly

In your opinion, what action, if any, is necessary to protect the sensitive species?
Trail maintenance must be done under supervision of a botanist

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

over →

There were probably more plants ready to flower. I got there about a week early, so I could not see all plants among the general greenery.

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Feil **Site Name:** Pigeon River Gorge

Volunteer Hours, including travel time: 4 **Site Number:** (ex. VA-70) NC~~W~~ 31

Date of Visit: (ex.06/22/2003) 04/05/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Trillium simile **Common Name:** Sweet White Trillium; (Gleason's Trillium)

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Somewhat early

Stage of Plant Development: (circle) ~~in flower~~ in fruit (berry) ~~vegetation only~~

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 119 flowering; 110 non-fl 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
Directly above & below 1/4 of a mile of trail Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site (Trail ~~Maintenance~~ USE) Collection ATV
Other:

Were there any other threats to the site? (Please List if known) NO
Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:
The pressure from above has not returned yet. Burnt area is recovering very slowly

In your opinion, what action, if any, is necessary to protect the sensitive species?
Trail maintenance must be done under supervision of a botanist

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: **Julie Judkins, ATC**
P.O. Box 2750 Asheville, NC 28802

over →

There were probably more plants ready to flower. I got there about a week early, so I could not see all plants among the general greenery.

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 10 2005
NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Feil **Site Name:** High Rock/Sams Gap

Volunteer Hours, including travel time: 6 **Site Number:** (ex. VA-70) NC~~TM~~- #45

Date of Visit: (ex.06/22/2003) 08 / 27/ 2004

entered 6/14/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Silene ovata **Common Name:** Mountain Catchfly

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Just right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 125 Fl, 171 Nfl (*) 101 - 250 (251-500) 501-750 751-1000 >1000
stems in 74 clumps.

Area covered by the rare species: (Fill in the most applicable measurement)
_____ Sq.Ft. about 1 Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site Trail Maintenance Collection ATV
Other: Trail bisects the main concentration of plants, but should not be relocated.

Were there any other threats to the site? (Please List if known)
Insects: Invasive/Exotic Plants: Animal Browsing:
none of the above
Competition from other plants: Other:
Filmy angelica, stinging nettle. Dodder is nearby, but no threat yet.

In your opinion, what action, if any, is necessary to protect the sensitive species?
None

(*) See back of page

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: **Julie Judkins, ATC**
P.O. Box 2750 Asheville, NC 28802

stems
I count as flowering ~~plant~~ those that are actually in bloom or have viable buds.

This year there are fewer flowering stems than last year. Many stems of flowering size either have no buds or crippled ones.

Dodder used to be really strong in the nearby stinging nettle area. It declined very much during the dry years and has not grown to its previous mass yet.

APPALACHIAN NATIONAL SCENIC TRAIL JAN 10 2005 NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Valerie Shrader **Site Name:** High Rocks #NC-50

Volunteer Hours, including travel time: 5 **Site Number:** (ex. VA-70) NC-50 entered 6/14/05

Date of Visit: (ex.06/22/2003) 09/04/04

Did you take any photographs? (Yes) No **If so, please include examples** but very low light

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Aconitum reclinatum **Common Name:** Trailing wolfsbane

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Late, but not too la

Stage of Plant Development: (circle) (in flower) (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 100 - probably more 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

500 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one) first visit

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: This site is off a vague side trail, but doesn't look like it gets much use.

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing: a deer trail passes through the area, but no damage t the population seem

Competition from other plants: dodder vine (cuscuta rostrata) Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

None - It looks like a very healthy population that follows the drainage in this area

Other Comments / Notes / Maps / Drawings Use Opposite Side

I'll watch the dodder.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ms. Julie Judkins, Appalachian Trail Conference, P.O. Box 2750, Asheville, NC 28802

Name of Monitor: Valerie Shrader Site Name: High Rocks

Volunteer Hours, including travel time: 5 Site Number: (ex. VA-70) NC-50

entered 6/14/05

Date of Visit: (ex.06/22/2003) 09/04/04

Did you take any photographs? (Yes) No If so, please include examples but low light

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Coreopsis latifolia Common Name: Broadleaf-coreopsis

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late?* _____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 75%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals ≈50 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

150 Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one) first visit

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing: Bear - evidence of digging

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? None - if I've got the right plant, it appears to be healthy

Other Comments / Notes / Maps / Drawings Use Opposite Side over

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ms. Julie Judkins, Appalachian Trail Conference, B.O. Box 2750, Asheville, NC 28802

I missed the bloom of this species. I'm reasonably confident I found it, but will have to go in August next year to check. The flowers were gone with only dried bits remaining.

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 10 2005
NATIONAL PARK SERVICE

DEC 20 2004
entered each species 3 times for each year — 6/15/05

APPALACHIAN TRAIL

Threatened and Endangered Species

Site No. 52, Chestoa

~~TN-52~~ NC-52

Monitoring Report, 2002, 2003, 2004

Please enter data for each year separately, to the extent possible

Mock Orange (Philadelphus hirsutus)
There are two populations of Mock Orange in the headwaters of Jones Branch (trail south of Curley Maple Gap). They are in the second switchback ascending from the streamside trail (see enclosed map). These plants are healthy and growing. The dry spring of 2002 seemed not to have hurt them and the unususlly wet 2003 (monthly, seasonal and annual rainfall records were broken) gave them a boost.
In 2004 I found two additional plants on the trail paralleling the Nolichucky River east of the Pirate Bush. Their approximate locations are indicated on the enclosed map.

FraSER"S Sedge (Cymophyllus fraseri/frasieranus)
There is one population of Fraser's Sedge on this site. It stretches intermittantly from just above the next-to-last crossing (going upstream, heading north) of Jones Branch to beyond thelast crossing -- almost to the first switchback. All the plants, with one exception, have always seemed distressed; they have dead ends on most of their leaves. The one perfect, and largest, plant is at about the mid-point of the population and is partially in the treadway. Hikers apparently step around itso that it suffers no damage.
At the southern end of the population there is a large bed on a steep bank that has always looked heavily distressed with the majority of leaves on each plant dead (photograph enclosed). The drought of 2002 seems to have killed the lower section as only the top half or third was revived by the wetness of 2003 and by 2004 many of the plants from the lower half of the bed were missing. Otherwise the health and extent of this population has been stable over the years. It is notable that this plant has a symbiotic relatioship with hemlock; all the plants are on or close to the downslope of the soil around a Henlock.

Pirate Bush (Buckleya distichophylla)
This plant is located on a ca 300 yd section of the Trail which parallels the Nolichucky River between Chestoa and Jones Branch. It is on both sides of the trail with the majority of specimens upslope of the Trail. It is a dry south-facing, steep slope which has been ravaged by fire in the not-too-distant past and has suffered erosion. The trees are Virginia (?) Pine and scrubby Oak. The Manual of the Vascular Flora of the Carolinas, Radford, Ahels, Bell (1968) states that Pirate Bush is a root parasite of Tsuga But there are no Hemlocks on this site. The plants on this site tend to be light green wit just a hint of yellow as contrasted with those on Site 51, Cliff Ridge, south of the Nolichucky.
I believe this population to be relatively healthy and stable.

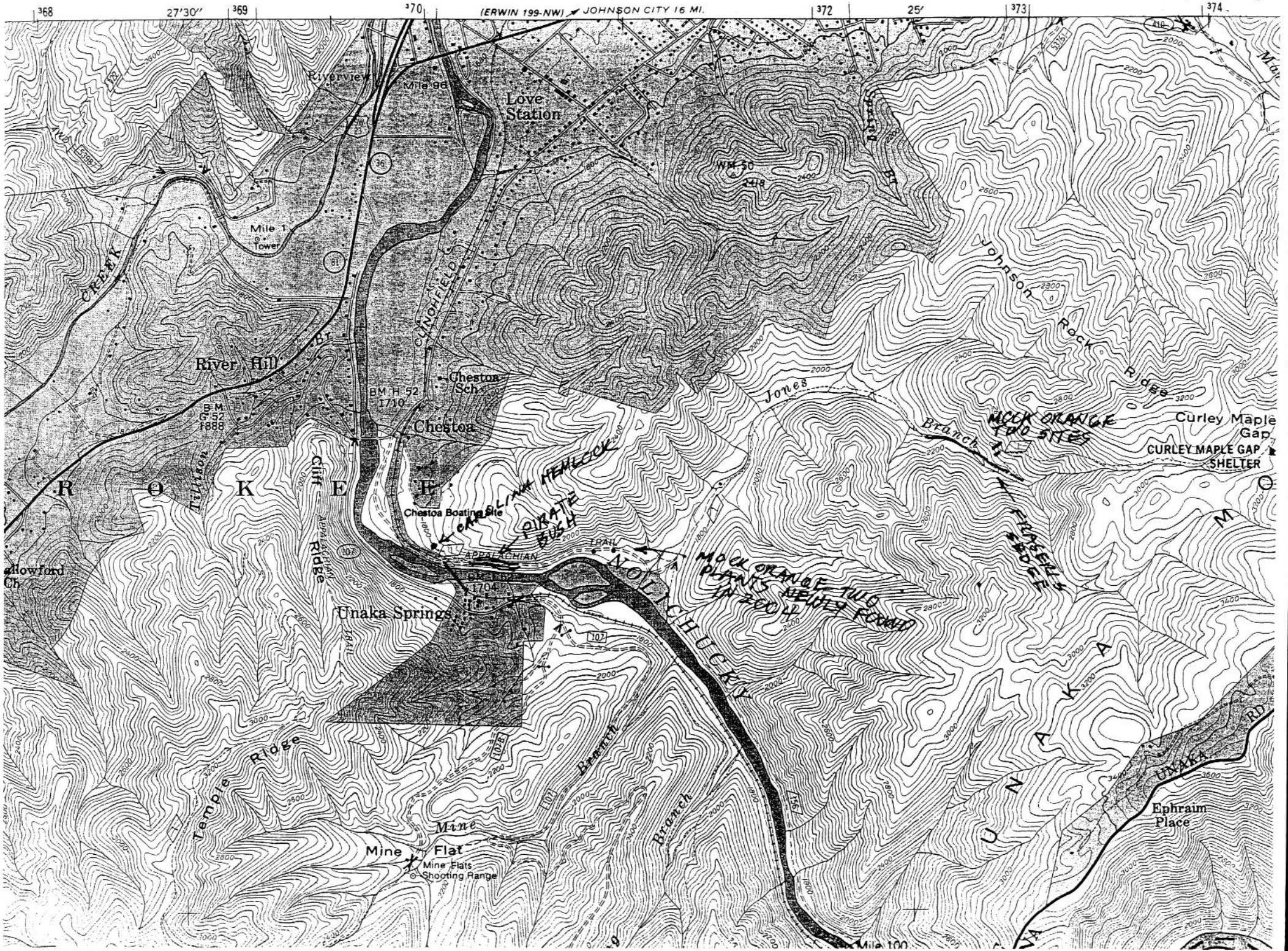
Carolina Hemlock (Tsuga caroliniana)
There is a small population of Carolina Hemlock on the Trail paralleling the Nolichucky River, west (trail south) of the Pirate Bush. It is healthy and growing. ~~---The trees on both~~ were mere sides of the path, now about 12' tall, when the Trail was shrubs relocated to this site several years ago. Within ca 100 feet downslope there are several larger trees.

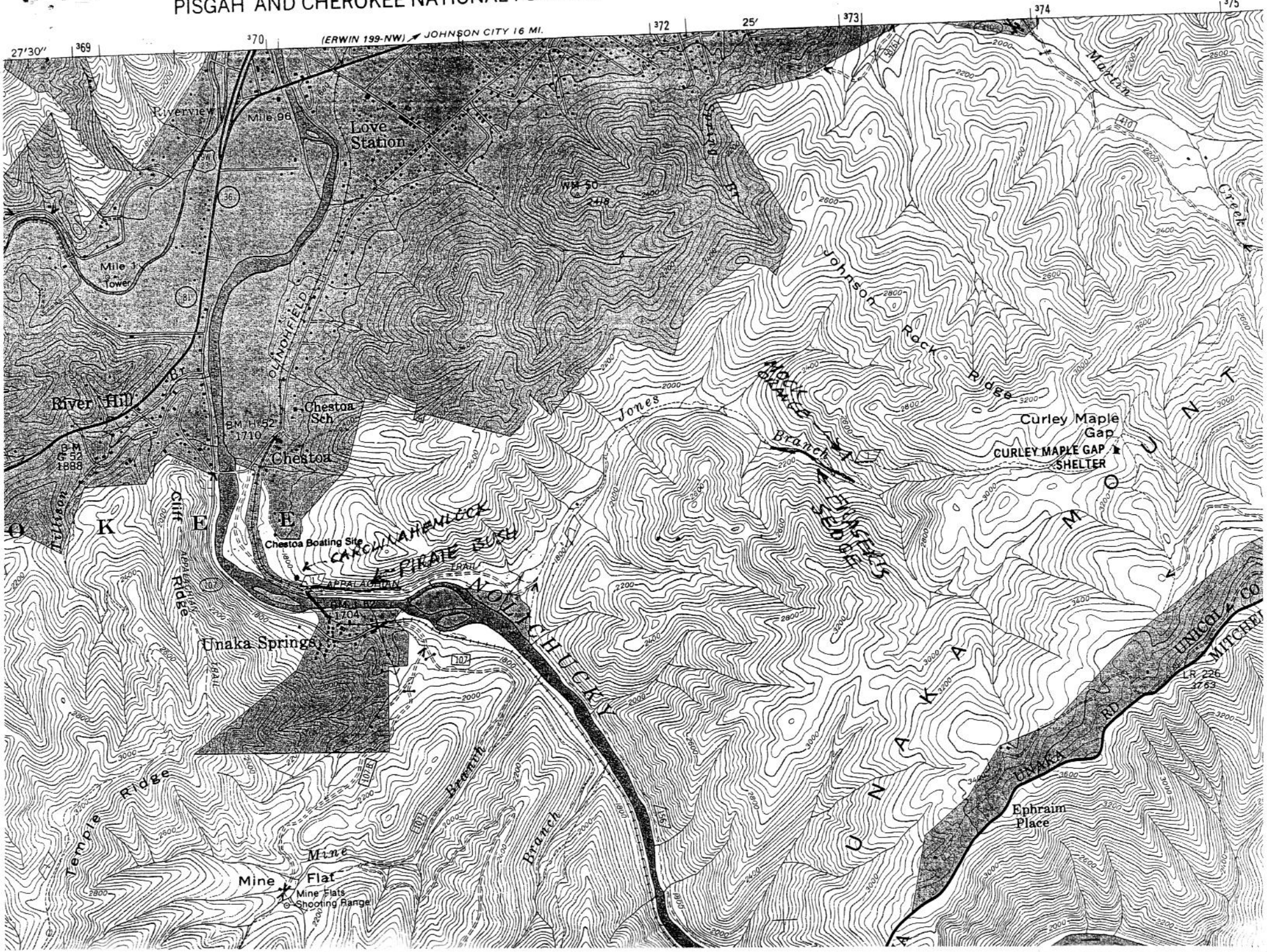
I am confident that I can identify the three species listed.

Frank Williams accompanied me on my monitoring trips and each trip required about eight hours. The monitoring was usually completed by one pm.

Darrol Nickels

Darrol Nickels


368
27'30"
369
370
(ERWIN 199-NW) JOHNSON CITY 16 MI.
372
25'
373
374
Riverview
Mile 98
Love Station
WM 50
2418
Mile 1
Tower
CREEK
Br
CLINCHFIELD
River Hill
BM H 52
1710
Chestoa Sch
Chestoa
BM
G 52
1888
Tilison
Cliff
Ridge
APPALACHIAN
TRAIL
Chestoa Boating Site
CAROLINA HEMLOCK
PIRATE BUSH
NOLICHUCKY
MOUNTAIN ORANGE TWO PLANTS NEARBY FOUND IN 2000
Unaka Springs
BM
1704
Jones
Branch
Johnson Rock Ridge
MOCK ORANGE 100 SITES
Curley Maple Gap
CURLEY MAPLE GAP SHELTER
FRASER'S FIR
Tempie Ridge
Mine
Mine Flat
Mine Flats Shooting Range
Branch
UNAKA
Ephraim Place
UNAKA RD.
Mile 100


27'30"
369
370
(ERWIN 199-NW) JOHNSON CITY 16 MI.
372
25'
373
374
375
Riverview
Mile 96
Love Station
Mile 1
Tower
River Hill
BM G 52 1888
BM H 52 1710
Chestoa Sch
Chestoa
Clinchfield
Spring Br
Johnson Rock Ridge
Jones
Mock Branch
Curley Maple Gap
CURLEY MAPLE GAP SHELTER
Fulton
Cliff
Ridge
Chestoa Boating Site
CAROLINA HEMLOCK
PIRATE BUSH
APPALACHIAN TRAIL
BM H 52 1704
Unaka Springs
Temple Ridge
Beamer Branch
Mine
Mine Flat
Mine Flats Shooting Range
Kolichucky
Bear Wallow Branch
Unaka Mountain
Unaka Rd
Ephraim Place
Unicoi Co
Mitchell
LR 226
3763

Section 3

Name of Monitor: Dan Woods **Site Name:** Roan Mt. ~~Carver Gap~~

Hours, including travel time: 8 **Site Number:** (ex. VA-70) NC-63

APPALACHIAN NATIONAL SCENIC TRAIL JAN 10 2005 NATIONAL PARK SERVICE

entered 6/15/05

Date of Visit: (ex.06/22/2003) 9/6/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes roanensis **Common Name:**

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Just right.

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 928 101 - 250 251-500 501-750 (751-1000) >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: The bald had been mowed & many cut down.

Were there any other threats to the site? (Please List if known) none

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? Mowing should occur after the plant has set seed.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Name of Monitor: Jean Woods Site Name: Roan Mt. ~~Carver Gap~~ Section 3

Volunteer Hours, including travel time: 8.5 Site Number: (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 7/21/2004

Did you take any photographs? (Yes) No If so, please include examples

Entered 6/15/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lilium grayii Common Name: Gray's Lily.

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Just right.

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 20 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) no.
Trampling Camp Site Trail Maintenance Collection ATV
Other: ~~Deer had nipped heads of a few~~

Were there any other threats to the site? (Please List if known) Deer.
Insects: Invasive/Exotic Plants: (Animal Browsing) Deer.

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side We Counted stems adjacent to the trail. In previous years, Allen Counted the entire bald.
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Name of Monitor: Jean Woods Site Name: Roan Mt. / Carver's Gap Section 3

Volunteer Hours, including travel time: 8.5 Site Number: (ex. VA-70) ____-____

Date of Visit: (ex.06/22/2003) 7/21/2004

Did you take any photographs? (Yes) No If so, please include examples

entered 6/15/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Huperzia Appalachiana Common Name: Club moss.

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
OK.

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 6 by old trail 8 by seep. 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

By old trail (Improved) By seep Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply) no

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) no.

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Not sure why pop. by seep was declining. Moving the trail has helped the other population

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Section 3

Name of Monitor: Jean Woods **Site Name:** Roan Mt. / Carver Gap

Volunteer Hours, including travel time: 8.5 **Site Number:** (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 7/2/2004

Did you take any photographs? (Yes) No **If so, please include examples**

entered 6/15/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Senecio schweinitzianus **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

a little late, but identifiable

Stage of Plant Development: (circle) (in flower) (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 826 101 - 250 251-500 501-750 (751-1000) >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

fewer than last year, but we were 2 weeks later than last year.

Do you see any evidence of human activity at the site? (Circle all that apply) no.

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) ~~no~~.

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? none

Other Comments / Notes / Maps / Drawings Use Opposite Side This year we counted within 200' of the trail. In previous years we counted much of the bald - as well too.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: **Julie Judkins, ATC**
P.O. Box 2750 Asheville, NC 28802

Section 3

Name of Monitor: Jean Woods **Site Name:** Roan Mt. ~~Carvers Gap~~

Volunteer Hours, including travel time: 8.5 **Site Number:** (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 7/21/2004

entered 6/15/05

Did you take any photographs? (Yes) No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia groenlandica **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

just right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 92 lower rock
46 upper rock. 101 - 250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) no.

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) no.

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? none

It is so small, people leave it alone. It is also further off the trail with the re-route.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Name of Monitor: Jean Woods Site Name: Roan Mt. ~~Carver's Gap~~ Section 3

Volunteer Hours, including travel time: 8.5 Site Number: (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 7/2/04

entered 6/15/05

Did you take any photographs? (Yes) No If so, please include examples

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Veratrum viride Common Name: Bunchum.

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Just right.

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 6 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply) None.
Trampling Camp Site Trail Maintenance Collection ATV
Other:

Were there any other threats to the site? (Please List if known) yes.
Insects: Invasive/Exotic Plants: Animal Browsing:
The tree that sheltered the population has died + vegetation is taken over. I could only find 6 + I clipped away the other vegetation.
Competition from other plants: — Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? Natural processes are happening. I don't know what could be done. Relocate the population?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Name of Monitor: Leon Woods **Site Name:** Roan Mt./Carvers Gap

Volunteer Hours, including travel time: 8.5 **Site Number:** (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 7/21/2004

entered 6/15/05

Did you take any photographs? (Yes) (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Carex aenea **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

OK

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? Very.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

22feet x 15feet Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) none

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) none.

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? none

Other Comments / Notes / Maps / Drawings Use Opposite Side On 9/6, we returned to count the preanthesis + discovered that the Carex aenea had been ~~mowed~~ mowed.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Fail, Donna Wahlmann, Alison Arnold **Site Name:** Grassy Ridge (Zone 1)

Volunteer Hours, including travel time: 3 x 12 hrs **Site Number:** (ex. VA-70) NC-64

Date of Visit: (ex.06/22/2003) 06/29/04

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lilium grayi **Common Name:** Gray's Lily

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 36 Fl, 3 NF = 39 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

Scattered along about _____ Sq.Ft. 3/4 mile of AT _____ Acres

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

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How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

It's the premial problem: too much competition from blackberries, green alders and many other shrubs and herbs.

In your opinion, what action, if any, is necessary to protect the sensitive species?

No weedeating along this trail

Other Comments / Notes / Maps / Drawings Use Opposite Side Heavy herbal growth no doubt hid more non-fl. plants.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: **Julie Judkins, ATC**
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Faz Donna Wahrmann Alison Arnold **Site Name:** Grassy Ridge (zone 1)

Volunteer Hours, including travel time: 3 x 12 hrs **Site Number:** (ex. VA-70) NCTN - 64

entered 6/15/05

Date of Visit: (ex.06/22/2003) 06/29/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Geum geniculatum **Common Name:** Bent Avens

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Just right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 173 flowering stems 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

Along AT for about 1/10 of a mile Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: Trail is steep & slippery. Plants are directly on Trail. Any relocation should be supervised by botanist

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Please no weedeating ~~Animal Browsing:~~

Competition from other plants: Other:

Lots of herbal stuff, maiden's Impatiens, Wood Nettles & others. Tassel Rue.

In your opinion, what action, if any, is necessary to protect the sensitive species?

Please no weedeating.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Teil Donna Wahrmann **Site Name:** Grassy Ridge (Zone 1)

Volunteer Hours, including travel time: 3 x 12 hrs **Site Number:** (ex. VA-70) NCTN-64

entered 6/15/05

Date of Visit: (ex.06/22/2003) 06/29/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes roanensis **Common Name:** Roan Mtn. Prenanthes

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals ~40 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

Along 3/4 mile of AT Sq.Ft. | Scattered Acres

Vigor of Species: (circle one) Excellent Good (Fair) Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Same as for Gray's Lily.

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side There was such thick herbal growth, that plts. we had to see.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: **Julie Judkins, ATC**
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Fail Donna Wahmann Alison Arnold **Site Name:** Grassy Ridge (Zone 1)

Volunteer Hours, including travel time: 3x12 hrs **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Alnus viridis ssp. crispa **Common Name:** Green Alder

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres every where as far as one can see

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Shout - competes everything except blackberries

~~**In your opinion, what action, if any, is necessary to protect the sensitive species?**~~

(Note: In coming years I shall report on Green Alder only if there is a major change (such as eradication efforts)

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC

P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Fee Donna Wahmann Alison Arnold **Site Name:** Grassy Ridge (Zone 1)

Volunteer Hours, including travel time: 3x12 hrs **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia groenlandica **Common Name:** Mtn. Sandwort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Not found in Zone 1 since about 2000.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC

P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

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Name of Monitor: Elisabeth Feil, Donna Wahmann, Alison Arnold **Site Name:** Grassy Ridge (Zone 2)

Volunteer Hours, including travel time: 3x12 **Site Number:** (ex. VA-70) NC~~M~~ 64

Date of Visit: (ex. 6/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lilium grayii **Common Name:** Gray's lily

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Just right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 24 FL, 4 NFL = 28 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

scattered along about 1/2 mile of trail **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved ?) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Gray's lily is crowded out by green Alder, blackberries, Catawba Rhododendron, grasses, and sedges.

In your opinion, what action, if any, is necessary to protect the sensitive species?

Don't know

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Faid Donna Wahmann Alison Arnold **Site Name:** Grassy Ridge (Zone 2)

Volunteer Hours, including travel time: 3 x 12 hrs **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

Entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia godfreyana **Common Name:** Mt. Sand wort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Not seen since about 1999

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Feil, Donna Wahnsinn, Alison Arnold **Site Name:** Grassy Ridge (Zone 2)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes roanensis **Common Name:** Roan Mt. Rattlesnake-root

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals < 10 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Same as for Gray's Lily

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Elisabeth Frick

Name of Monitor: Donna Wahlmann / Alison Arnold **Site Name:** Grassy Ridge (Zone 2)

Volunteer Hours, including travel time: 3 x 12 **Site Number:** (ex. VA-70) NCTN-64

entered 6/15/05

Date of Visit: (ex.06/22/2003) 06/29/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Alnus viridis var. crispa **Common Name:** Green Alder

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Out competes everything else.

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side No more reports unless drastic changes

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 1 3 2005
NATIONAL PARK SERVICE

Name of Monitor: Elizabeth Feil, Donna Wahmann, Alison Arnold **Site Name:** Grassy Ridge (2003)

Volunteer Hours including travel time: 3x12 **Site Number:** (ex. VA-70) ~~NC-~~ 64

Date of Visit: (6/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia groenlandica **Common Name:** Mt. Sandwort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side Not seen

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: ~~Elizabeth Fale~~ Donna Wohlmann **Site Name:** Grassy Ridge (Zone 3)

Volunteer Hours, including travel time: 3 & 12 **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes roanensis **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) Scattered over 28 acres

_____ Sq.Ft. _____ ~~Acres~~

Vigor of Species: (circle one) Excellent Good (Fair) Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Grasses and sedges

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Feil, Donna Wahsmann, Alison Arnold **Site Name:** Grassy Ridge (Zone 3)

Volunteer Hours, including travel time: 3 x 12 **Site Number:** (ex. VA-70) NCTN - 64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Carex misera **Common Name:** Miserable Sedge

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals ~ 20 clumps impossible to distinguish 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) On cracks on rocks

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

None

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Fair Donna Wohlmann **Site Name:** Grassy Ridge (Zone 3)

Volunteer Hours, including travel time: 3 x 12 **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Alnus viridis ssp crispa **Common Name:** Green Alder

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) along periphery of about 28 acres

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

none

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Ensable Fed Donna Wahlmann Alison Arnold **Site Name:** Grassy Ridge (Zone 3)

Volunteer Hours, including travel time: 3 x 12 **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 Entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lilium grayi **Common Name:** Gray's Lily

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 102 (84, 18) 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) Scattered, about 28 acres

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Do you see any evidence of ~~human~~ activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Mainly from grasses and sedges after eradication of bladeburrs and aldus. See over

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Here's a short overview of lilies in Zone 3.

1995	17	
96	4	
97	12	(area was cleared of blackberries and alders.)
98	225	(mostly seedlings)
99	81	
2000	117	
01	153	(Dry year)
02	37	(" ")
03	66	(wet year)
04	102	(wet spring)

It is my feeling that the eradication of blackberries and Alders helped the lilies to recover, albeit very gradually. Interestingly, most of the blooming plants are around the periphery of the area, where shrubs (mostly Rododendron catawbiense) provide a bit of shelter and grasses are not quite as dense as in the cleared area. Seedlings and small non-flowering plants are barely visible in the dense grasses and - I'm sure - have a hard time growing.

Incidentally, blackberries are coming back.

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 10 2005
NATIONAL PARK SERVICE

Name of Monitor: Elisabelle Fay, Donna Wahmann, Alison Arnold Site Name: Grassy Ridge (Zone 4)

Volunteer Hours, including travel time: 3x12 Site Number: (ex. VA-70) NC-64

Date of Visit: (ex.06/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) If so, please include examples

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lilium grayi Common Name: Gray's lily

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 104 FL, 4 NFL = 109 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)
Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site Trail Maintenance (Collection)? ATV
Other: I'm not sure, but ~~under~~ below rocks of ~~top of~~ Grassy Ridge there were always about 5-6 good-size plants. This year there was not a single one. (*)

Were there any other threats to the site? (Please List if known)
Insects: Invasive/Exotic Plants: Animal Browsing:
The same is true of a small grassy clearing.
Competition from other plants: Other:
Crowding by rhododendron and ~~of~~ alders.

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

(*) This is off-trail

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Teil, et. **Site Name:** Grassy Ridge (Zone 4)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Geum radiatum **Common Name:** Spreading Avens

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) (in flower) in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 13 101 - 250 251-500 501-750 751-1000 >1000

in several clumps, had to define.

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

It is my feeling that there is a steady decline. I have no idea why this should be so.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elizabeth Fig, et al **Site Name:** Grassy Ridge (2004)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Houstonia montana **Common Name:** Mtn. Bluet

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? positive

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

clumps

Area covered by the rare species: (Fill in the most applicable measurement)

2000 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

grasses

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elizabeth Farl, etc. **Site Name:** Stamy Ridge (Zone 4)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia groenlandica **Common Name:** Mtn. Sand wort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? pos. sure

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Tal, etc **Site Name:** Grassy Ridge (Zone 4)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Huperzia appalachiana **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? pretty sure

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 5 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

plants look anemic, yellow color

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elizabeth Tail, etc **Site Name:** Grassy Ridge (Zone 4)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes roanensis **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals ~30 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good (Fair) Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elizabeth Fiel, etc **Site Name:** Grassy Ridge (2004)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Carex misera **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) clumps impossible to count exactly

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

None

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Elisabeth Fahl, etc **Site Name:** Grassy Ridge (& one 4)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Scirpus cespitosus **Common Name:** Deerhair Bulrush

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 3 clumps 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Charlotte Fish, etc **Site Name:** Grassy Ridge (Zone 4)

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) NCTN-64

Date of Visit: (ex.06/22/2003) 06/29/2004 entered 6/15/05

Did you take any photographs? Yes No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Alnus viridis **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

None

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

No further reports, unless there is a drastic change. Ha!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

DEC 20 2004

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Dan and Rosalie Russo **Site Name:** ~~Site #66~~, Roan Mt, Sec. 5

Volunteer Hours, including travel time: 8 1/2 hrs **Site Number:** (ex. VA-70) NC-66

Date of Visit: (ex.06/22/2003) 6 /27 /04

entered 6/15/05

Did you take any photographs? (Yes) No **If so, please include examples**

APPALACHIAN NATIONAL SCENIC TRAIL JAN 10 NATIONAL PARK SERVICE

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lilium grayi **Common Name:** Gray's Lily

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
Although same time as previous years, probably a little late(See comments-pages 4 & 5.)

Stage of Plant Development: (circle) Some in flower Some in fruit (berry) Some vegetation only

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 73 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

? Sq.Ft. ? Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling
See comments on page and Table on page

How does the size and vigor of the population compare with your last visit? (circle one)
Difficult to determine due to weather conditions on day of visit (See comments pages 4 & 5.)
Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

* Trampling Camp Site Trail Maintenance Collection ** ATV

Other: *Some--this area is very popular with locals and visitors.
**An ongoing problem in the Bradley Gap area.

Were there any other threats to the site? (Please List if known)

Insects: * Invasive/Exotic Plants: *In some locations of the site-- Considerable blackberry, nettle & leatherwood. Animal Browsing: Yes--deer browsing in in some locations.

* Competition from other plants: Other:

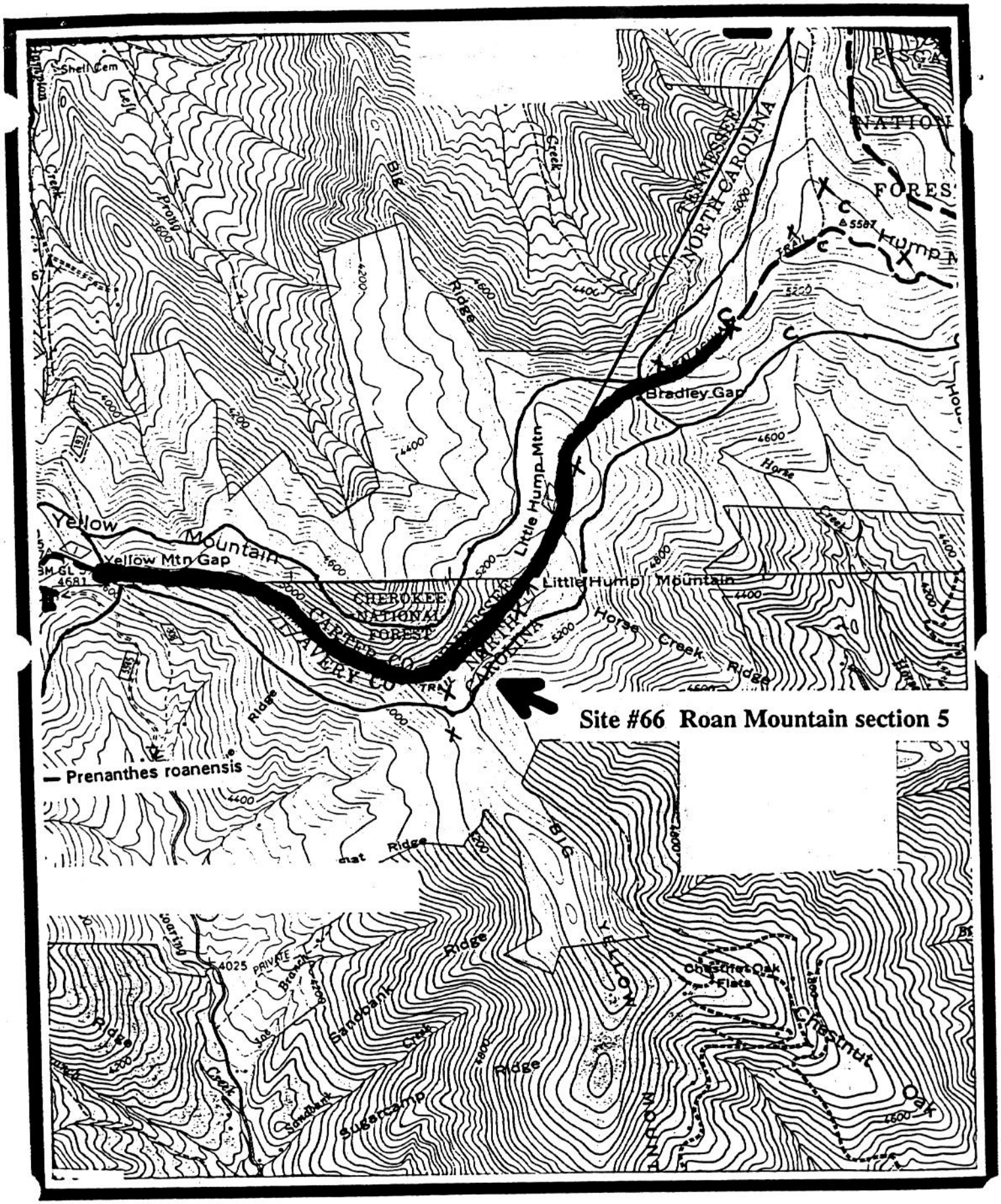
In your opinion, what action, if any, is necessary to protect the sensitive species?

FS needs to increase its mowing program to assist this and other species. See photo on page 9

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802



CONTOUR INTERVAL 40 FEET

1 MILE
0 1000 2000 3000 4000 FEET
0 1 KILOMETER

SCALE 1 : 24,000

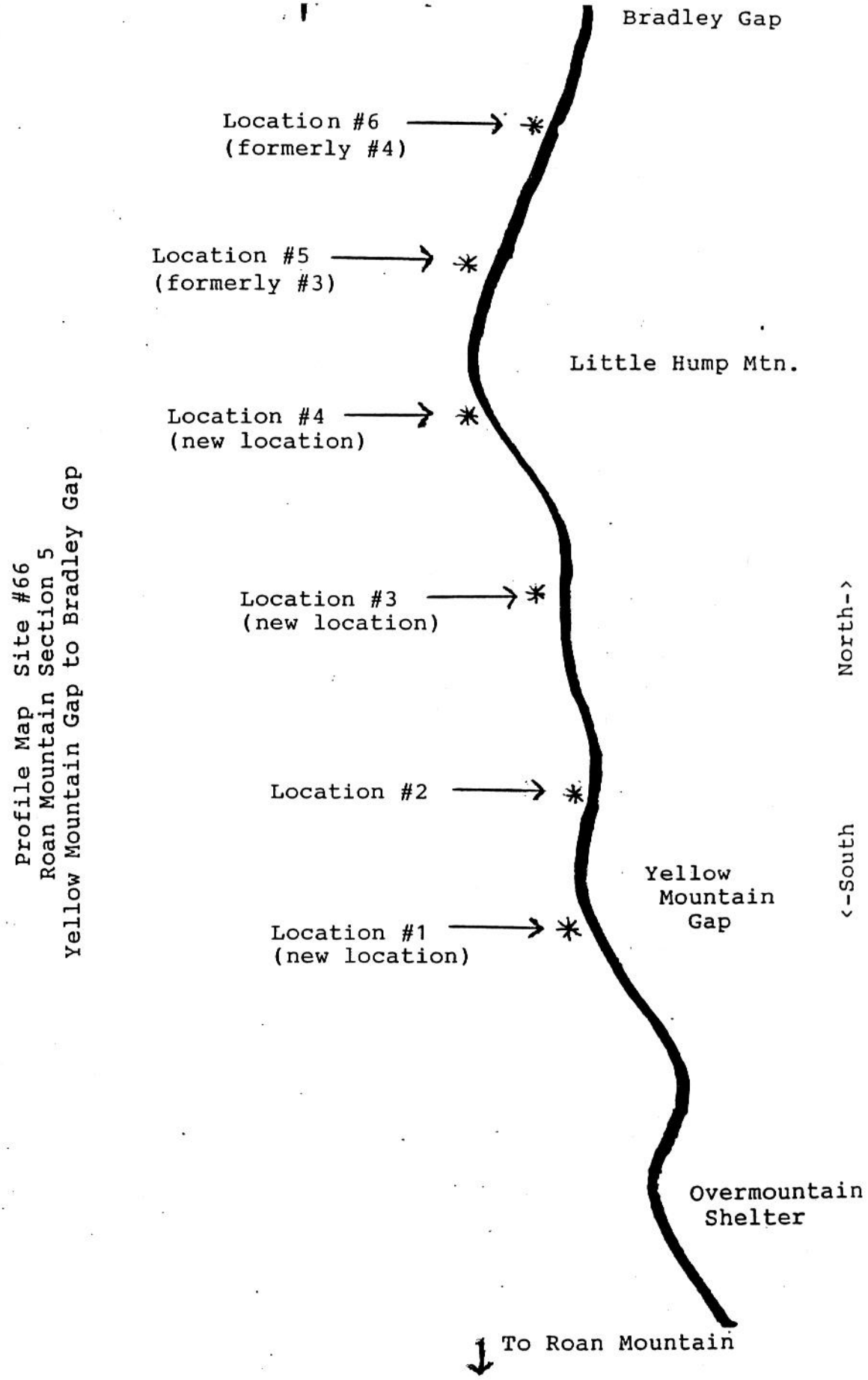
Site # 66 Roan Mountain section 5

SIGNIFICANT NATURAL FEATURES
ALONG THE APPALACHIAN TRAIL
IN NORTH CAROLINA AND TENNESSEE

N

White Rocks Mountain Quad

November, 1992


Profile Map Site #66
Roan Mountain Section 5
Yellow Mountain Gap to Bradley Gap
Bradley Gap
Location #6
(formerly #4)
Location #5
(formerly #3)
Little Hump Mtn.
Location #4
(new location)
Location #3
(new location)
North->
Location #2
<-South
Yellow
Mountain
Gap
Location #1
(new location)
Overmountain
Shelter
To Roan Mountain

Location of Gray's Lily Populations
Site #66 Roan Mountain Section 5
6/27/04

Monitors: Dan and Rosalie Russo

In this our seventh monitoring season total plant count was 73, the second lowest total of the seven seasons and significantly lower than the 214 individuals found in 2003. There are, however, at least two climatic explanations for this dramatic decline, both of which severely impeded our ability to inventory.

First, although our monitoring session took place just four days later than last year's, judging by the vigor of competing woody vegetation such as nettle and blackberry, the season appeared to be "advanced" well beyond what we usually observe for that date. (See photo on page 8) No doubt this was the result of extremely heavy rainfall during the period from early Spring to our monitoring day. We recall rainfall totals for this period were reported to be well above the annual average for the period with many days exhibiting flood-like conditions throughout the mountains of East Tennessee and Western North Carolina.

The second factor which affected our plant count was the extreme foggy conditions atop Roan Mountain on the day of our visit. Although the day was clear and bright at lower elevations, fog was so heavy on the mountain top, that visibility in most locations was restricted to no more than 10 to 15 feet. (See photo on page 7.) In fact, there were times when we were as concerned with locating the Trail and each other as we were in finding Gray's Lily! We considered a return visit to the site; but schedules and weather did not permit us to do so.

As in the past, we have divided the monitoring site into six general locations within which plants were inventoried. Note, the distribution by location includes a breakdown of "healthy" vs. "unhealthy" specimens. We describe unhealthy plants as those characterized by premature browning of stems and leaves and the absence of seed pods. Although we are uncertain as to the specific cause(s) of these conditions, from what we have been told by several botanists, we suspect some form of anthracnosis(sp?) to be the main culprit.

Location #1

Estimated 500 to 1000 feet beyond the point where the AT passes through a barbed wire fence off an old forest road. Last year twelve plants were counted. This year we located seven individuals--one to the left and six to the right of the Trail(heading north). Again, fog severely limited our inventory efforts.

Location #2

Estimated 1/10 mile beyond Location #1 where the Trail exits a wooded area and enters an open bald. The 2003 monitoring season yielded 30 plants. This year, after wandering for a considerable period of time through fog and luxuriant competing vegetation, we were able to find only two specimens on the right side of the Trail.

Location #3

Bald area just before ascending Little Hump Mountain. Last year 16 individuals, this year we found only a single plant on the left side!

Location #4

Bald area very near summit of Little Hump Mountain. Six plants were found on the left side of the Trail; whereas, in 2003 we recorded 16 individuals which, incidentally, was considerably above the "norm" for the area--see Table on page 6.

Location #5

Descending Little HumpMountain through the wooded area before Bradley Gap. We continue to be surprised by the relatively high plant count in this area where there is considerable shade from beech trees and alder as well as suffocating competing vegetation in several sections of the area. Though plant count continues to be well above other locations, the mostly single bloom specimens tend to be "under-sized" in comparison with plants in other locations. A total of 46 plants (22 to the right, 24 to the left) were counted, well below the 130 found in 2003 and the 160 in 2002.

Location #6

After leaving wooded area of Location #5, descending into Bradley Gap. This is the only location in which we counted more specimens than in any previous year--11 plants to the right and seven left of the Trail.

Summary

Gray's Lily Plant Count

1998-2004

Location	1998	1999	2000	2001	2002	2003	2004
#1	3	0	5	15	0	12	7
#2	4	0	12	11	0	30	2
#3	0	0	9	19	0	16	1
#4	0	0	6	5	6	16	6
#5	108	39	71	87	160	130	46
#6	4	0	3	0	0	10	11
Totals	119	39	106	137	166	214	73

Number and Percentage

"Healthy " Vs. "Unhealthy" Plants

	1998	1999	2000	2001	2002	2003	2004
Healthy	48(40.3%)	8(20.5%)	75(70.8%)	104(75.9%)	101(60.8%)	188(87.9%)	40(54.8%)
Unhealthy	71(59.7%)	31(79.5%)	31(29.2%)	33(24.1%)	65(39.2%)	26(12.1%)	33(45.2%)

Healthy--Green leaves and stems with seed pods.

Unhealthy--Brownish/yellow (sometimes rotted) leaves and stems without seed pods.

TN

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 10 20
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DEC 20 2004
entered
6/14/05

APPALACHIAN TRAIL

Threatened and Endangered Species

Site No, 34, Watauga Lake

TN-34

Monitoring Report, 2002, 2003, 2004

Please input the monitoring data day-year.

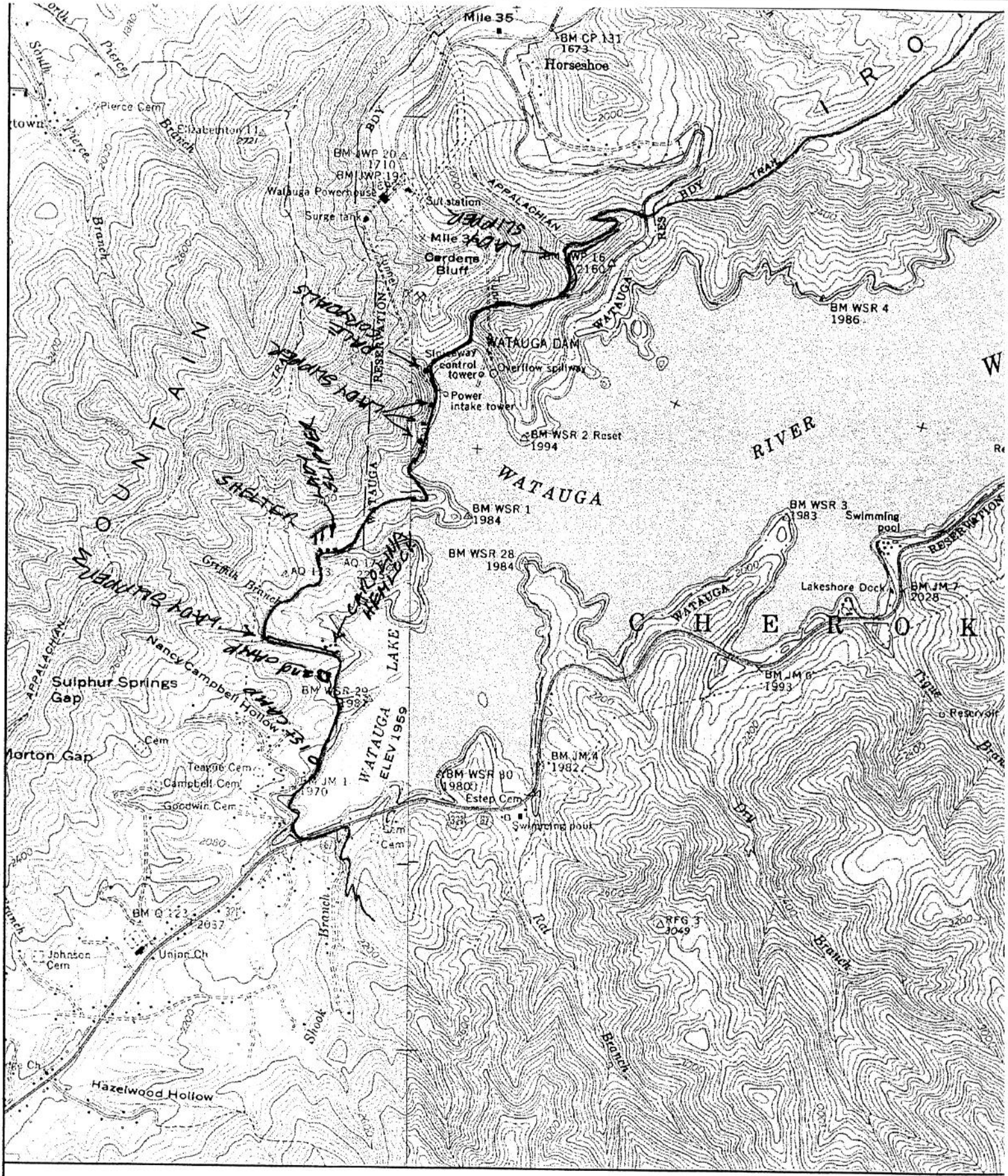
Carolina Hemlock (Tsuga caroliniana)
Thia population of Carolina Hemlock is at the lower end of the crest of a spur ridge just beyond camp site No. 2, heading north (see enclosed map). The plants are mere shrubs but appear to be healthy and thriving. Fewer than a dozen specimens were seen.

Pink Lady's Slipper (Cypripedium acaule)
Three main populations were found: on both sides of the Trail along the crest of the spur ridge just past camp site No. 2 -- 45 plants; at the junction of the side trail to the shelter and downstream from the shelter -- 10 plants; and along the dry, stony crest of the ridge between Watauga Dam and Watauga Dam Road. Also about four widely separated plants were found beside the Trail as it skirts the lake southwest of the dam. all of the occurances appear to be healthy and stable. I am confident that I can identify Carolina Hemlock and Pink Lady's Slipper.

Pale Corydalis (Corydalis Sempervirens)
This population is at the base of a cliff near thesouth end of Watauga Dam. In 2002 we visited this site in the middle of May and found one small, six-inch plant which was past theprime of its flowering. This was following a severely dry spring season. We were not confident that the plant was the subject species but it was obviously not Bleeding Heart of which there were many plants nearby. In 2003 (a year in which monthly, seasonal and yearly rainfall records were exceeded) we visited the site near the first of May an found ca 45 plants of which 30 were in flower. In early May of 2004 we visited the site in the midst of a near perfect spring season. Much to our surprise we found only two plants one of which was in the same spot as the plant found in 2002. See enclosed photograph. Both plants were large and healthy.
Frank Williams accompanied me on these trips and each trip required eight hours. Most of the monitoring was completed before one pm.

Darrol Nickels

Darrol Nickels



Name: WATAUGA DAM
Date: 3/20/2004
Scale: 1 inch equals 2000 feet

Location: 036° 18' 44.8" N 082° 07' 10.4" W
Caption: AT Watauga Lake

from GPS readings taken 3/19/04

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APPALACHIAN NATIONAL SCENIC TRAIL
JAN 0 2005
NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Powell Foster Site Name: South Big Laurel / Brune

Volunteer Hours, including travel time: 6 hr Site Number: (ex. VA-70) TN - 35

Date of Visit: (ex.06/22/2003) 08 / 18 / 04 ~ entered 6/14/05

Did you take any photographs? Yes (No) If so, please include examples

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Tsuga caroliniana Common Name: Carolina Hemlock

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?
N.A.

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only
N.A.

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals not counted 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
115 Acres Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
NA - 1st visit Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
None Trampling Camp Site Trail Maintenance Collection ATV
Other:

Were there any other threats to the site? (Please List if known)
(Insects:) Invasive/Exotic Plants: Animal Browsing: limited to one branch
hemlock wolly adelgid observed on one eastern hemlock South ~~Competition from other plants~~: and @ lower ~~Other:~~ elevations than carolina hemlocks, Confirmed by Joe McGuiness, N. Zone

In your opinion, what action, if any, is necessary to protect the sensitive species? Biologist, Chris Kee continue observation. Joe is studying to see if his theory IN Carolina Hemlocks will be less endangered. 5 year study underway.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802
JJudkins@ATCONS.org

TN-3[illegible]44

APPALACHIAN NATIONAL SCENIC TRAIL NATIONAL PARK SERVICE JAN 10 2005

Name of Plant Monitor: Frances Lambert Name of Site: Lindy Camp Bog

Date of Visit: June 1, 2004 Time of Visit: Time at site: 1:20 - 3:05 Total time: 12:30 - 4 PM

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): Listera Smallii

Stage of plant development: (a.) in flower b. in fruit (berry) c. vegetation only many floral stalks up, few actually in flower yet

Timing of visit: a. too early – identifiable features of plant not evident
(b.) just right – able to identify and count plants
c. too late – plants past their prime

How confident are you that you correctly identified the species? Quite

Number of individuals seen: 537

Do you think you found all the individuals at the site? yes

Area covered by the rare species:

Vigor of species: ✓ excellent, ___good, ___fair, ___struggling

How does the size (area) and vigor of the species compare with previous visits? ✓ improved, ___stable, ___declining (please mark only one) quite a bit of rain in weeks prior to visit

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? No

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? No

Did you take any photographs? (If so, please include) My companion, Cathy Landy took some photos — not developed yet

In your opinion, what action, if any, is necessary to protect the sensitive species? None

Other comments/notes:

This was by far the highest count -- highest previous one -- on June 2, 2003 had been 327

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Species (and subpopulation, if applicable): ___

Stage of plant development: a. in flower b. in fruit (berry) c. vegetation only

Timing of visit: a. too early – identifiable features of plant not evident
b. just right – able to identify and count plants
c. too late – plants past their prime

How confident are you that you correctly identified the species?

Number of individuals seen:

Do you think you found all the individuals at the site?

Area covered by the rare species:

Vigor of species: ___excellent, ___good, ___fair, ___ struggling

How does the size (area) and vigor of the species compare with previous visits? ___improved, ___stable, ___declining (please mark only one)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what?

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?

Did you take any photographs? (If so, please include)

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other comments/notes:

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Entered 6/14/05

Please return to:

ATC, P.O. Box 2750, Asheville, NC 28802

Listera Smallii
6/1/24 12:30
1:20
1:55
2:30
3:05

Site 1 : Water

A aerial log - 11 + 5 + 8 + 19 + 7 = 50

B soil log - 8 + 2 + 4 + 5 + 13 = 32

} = 156

C rhodo thicket - 4 + 5 + 11 + 25 + 11 + 14 + 2 + 2 = 74

Site 2: Fireplace : moved into grid

A - 30 + 29 + 18 = 77

B - 10 + 11 + 12 + 12 + 19 + 15 + 5 = 84

C - 16 + 21 + 12 + 24 + 22 = 95

D - 11 + 16 = 27

E - 15 = 15

F - 14 + 20 + 13 = 47

G - 8 + 18 + 5 + 3 + 2 = 36

} = 381

Total = 537

APPALACHIAN NATIONAL SCENIC TRAIL
NATIONAL PARK SERVICE
JAN 2005

TN-44

Name of Plant Monitor: Frances Lamberts Name of Site: Luidy Camp Bog

Date of Visit: September 13, 2004 Time of Visit: Time at site: 215 – 255
Total time: 1515 – 420

For each rare species (or subpopulation, if applicable) found, please complete the following information:

entered 6/14/05

Species (and subpopulation, if applicable): Listera smallii
Stage of plant development: a. in flower b. in fruit (berry) (c.) vegetation only
Timing of visit: a. too early – identifiable features of plant not evident
b. just right – able to identify and count plants
(c.) too late – plants past their prime
How confident are you that you correctly identified the species? Quite
Number of individuals seen: 115
Do you think you found all the individuals at the site? yes
Area covered by the rare species:
Vigor of species: ____excellent, ____good, ____fair, ____struggling — It seemed too late, leaf fall has begun covering the plants
How does the size (area) and vigor of the species compare with previous visits? ____improved, ✓ stable, ____declining
(please mark only one) Similar to late-mi-year visits (9/14 and 8/23) I made in 99 and 2003
Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what?
At Site 1 (around the water well) there has been some trash dumping --
Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants)
If so, what? large sheet of tri-covered roofing plywood, carpeting; Site 2 (by tree area) okay
No
Did you take any photographs? (If so, please include) No
In your opinion, what action, if any, is necessary to protect the sensitive species?
The dumping around the water well should be watched
Other comments/notes:
This trail segment has a new entrance, almost directly from the parking lot off the Hwy
If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Species (and subpopulation, if applicable): _____
Stage of plant development: a. in flower b. in fruit (berry) c. vegetation only
Timing of visit: a. too early – identifiable features of plant not evident
b. just right – able to identify and count plants
c. too late – plants past their prime
How confident are you that you correctly identified the species?
Number of individuals seen:
Do you think you found all the individuals at the site?
Area covered by the rare species:
Vigor of species: ____excellent, ____good, ____fair, ____struggling
How does the size (area) and vigor of the species compare with previous visits? ____improved, ____stable, ____declining
(please mark only one)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what?

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants)
If so, what?

Did you take any photographs? (If so, please include)
In your opinion, what action, if any, is necessary to protect the sensitive species?

Other comments/notes:

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Please return to:

ATC, P.O. Box 2750, Asheville, NC 28802

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 10 2006
NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

OCT 19

Name of Monitor: Jack Eshelman Site Name: Rich Knob

Volunteer Hours including travel time: 12 hrs Site Number: (ex. VA-70) TN-48

Date of Visit: (8/22/2003) 8/15/04

entered 6/14/05

Did you take any photographs? Yes (No) If so, please include examples

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Plantanthera grandiflora Common Name: Purplefringed orchid

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? too late

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? late

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals Thirty 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

400 Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining 1st time

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling (Camp Site) Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? Camp site does not get much use it is next to a shelter

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ms. Julie Judkins, Appalachian Trail Conference, P.O. Box 2750, Asheville, NC 28802

I just started a couple months ago. Next season I will identify both plants and take pictures. I was unable to attend the workshop.

Plants Plantanthera grandiflora (Purple orchid).

Scutellaria saxatilis (rock scullcap)

Location

Rich Knob

Intersection of the Appalacian Trail and Holston Mountain Trail next to Double Springs Shelter

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Lynn Eastin + Todd Eastin **Site Name:** Johns Bog.

Volunteer Hours, including travel time: 3(x2)=6 **Site Number:** (ex. VA-70) TN-49

Date of Visit: (ex.06/22/2003) 6/15/04 filed 6-24-04

entered 6/14/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Hypericum ellipticum **Common Name:** Pale St. Johns Wort

GPS Location of Rare Species (optional): X = N 36° 30.704' Y = W081° 56.589' **Datum:** (ex. NAD27)
accuracy within 20ft.

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? 1 week too Early

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)
one was blooming.

How confident are you that you correctly identified the species? 90%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. < ¼ acre Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: Fire break bulldozed by USFS a couple of years ago above the site

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing: Minimal browsing by deer - no harm so far

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? Managing hydrology + keeping the bog open.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

NATIONAL SCENIC TRAIL JAN 10 2005 NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Lynn Eastin + Todd Eastin Site Name: John's Bog

Volunteer Hours including travel time: 3(x2)=6 Site Number: (ex. VA-70) TN- 49

Date of Visit: (ex.06/22/2003) 6/15/2004

Did you take any photographs? Yes (No) If so, please include examples

entered 6/14/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Vaccinium Macrocarpon Common Name: large cranberry

GPS Location of Rare Species (optional): X = (W) 36° 30.704' Y = (W) 081° 56.589' Datum: (ex. NAD27)

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Just right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals (not possible?) >1000 101 - 250 251-500 501-750 751-1000 (>1000) see back

Area covered by the rare species: (Fill in the most applicable measurement)

visual estimate 2,000 Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) to (Fair) see back Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Since Janey's visit from 1995

Do you see any evidence of human activity at the site? (Circle all that apply) ~~None~~

Trampling Camp Site Trail Maintenance Collection ATV

Other: The fire break bulldozed above the house site.

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing: Some browsing by deer + bears - but this seems an advantage at this level.

Competition from other plants: Swamp roses There are no multiflora in here Other: Some (bad) cows are loose at Ford Plummer's house + could possibly find their way here

In your opinion, what action, if any, is necessary to protect the sensitive species? In one area of high density about 6'x15', cut out the roses.

Other Comments / Notes / Maps / Drawings Use Opposite Side Install at least one more culvert under the road above the area below the house site to get the water better distributed across the area.

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

15 June, 2004
Vaccinium Macrocarpon -John's Bog

In the spring of 1995, prior to the first burn, I went with USFS personnel to the bog to collect cuttings for the initiation of the Shady Valley Ruritan's experiment with developing a nursery to raise cranberry plants for restoration work in the valley. On the visit today, in comparison with the faded memories, I generally felt the cranberry population was in better shape than I recalled it's having been. The main hummocks at the north side of the bog, in an area about 15' X 25' are dense and blooming, but a large part are being shaded by Swamp Roses. The cranberries are blooming even under the shade of the roses. West of this area, toward the house site, is an area of thick sphagnum moss, and a fine stand of cranberries which extends about 75 ft west of the main hummocks. There are individual plants scattered south of this area in moss. The water from the old house site area is all channeled into the single culvert which appears to me to be a mistake. Additional small culverts, or ditches across the road between the house site and the bog would disburse the water across the bog and possibly cause more surface flow, as the present culvert discharges the water so deep, that a lot seems to go underground before reappearing further down. Having more water in the central and south part of the bog might discourage some competing plants. Possibly several ditches instead of the culvert would be better to keep the water on the surface, with boards across the ditches for hikers.

Vigor of the population: Some places they are struggling for light, and some they are thriving, and in some they seem to be spreading out with single "pioneering" plants.

In March, 2004, I surveyed John's Bog for the possibility of the presence of Bog Turtles. From the research I have done with Bern Tryon of the Knoxville Zoo, and Project Bog Turtle, over the past 3 years, it seems likely that there could be turtles in the bog. The stream from John's Bog drains into Hignite Branch which is adjacent to a known turtle population in the bottom of the valley. John's bog is 1.38 miles from this population, a distance we have discovered the turtles can easily manage. Today I observed a lot of trails through the moss, possibly made by rodents, but interesting to search for turtles. I shall let you know if I find anything.

JAN 2 6 2004

APPALACHIAN NATIONAL SCENIC TRAIL JAN 2005 NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: TODD V. EASTIN Site Name: BACKBONE ROCK TRAILHEAD

Volunteer Hours, including travel time: 8 Site Number: (ex. VA-70) TN-58

entered 6/14/05

Date of Visit: (ex.06/22/2003) 12/29/04

Will you take any photographs? Yes (No) If so, please include examples

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Pyrola americana Common Name: AMERICAN WINTERGREEN

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*?

_____

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 43 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

200± Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply) NO

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side →

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Julie Judkins, ATC
P.O. Box 2750 Asheville, NC 28802

Further Comments:

My first visit to this site was in July 2000. My second visit was in December 2004. The first visit was very superficial, finding only 14 individual plants in all. My time was limited by having only a lunch break from leading a group of children on a hike. The winter 2004 visit was more complete as finding plants was the only objective, but it still does not include enough distance along the AT south (W. by compass) of the Backbone Rock Trail junction. Two of us were looking this time, including gently brushing back leaf cover to reveal additional plants. The Pyrola is evergreen so winter is an acceptable time to monitor. But the leaf cover is a hindrance. It is quite possible that individual plants were missed (e.g. the first visit found 14 plants in the group where we found only 12 the second time).

The two visits are not comparable. Hopefully, a complete inventory can be accomplished at least once a year. This would yield comparable data. It will also help if a visit can be made during the bloom or fruiting stage to confirm reproduction ability.

We have now identified 3 distinct groups of Pyrola americana in the vicinity of the Backbone Rock-AT junction.

One is about 80-85 feet west of the junction on the AT and south of the trail. **Total area: 64 sq. ft.**

Another is 175 feet west of the junction and north of the trail. **Total area: 45 sq./ ft.**

The third is an unmeasured distance (approx. 100-200 ft.) south of the junction on the Backbone Rock Trail. **Total area: 80-100 sq.ft.**

As far as disturbance, we found none. The plant populations are close to the trail. Some individuals are within a foot or two of the trail edge. But there is no evidence that the plants have been negatively impacted by this.

A winter visit really requires an earlier start up the trail. I will allow 2 hours X 2 people of actual field work next time. We managed only 1 hour for the two of us this visit.

I regret that my schedule has been a handicap in making time for this monitoring. I hope this year may allow for another visit during the growing season.

TVE

VA

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: MAUREEN HARRIS Site Name: VA-4 Reservoir Hollow

Volunteer Hours, including travel time: 7 Site Number: (ex. VA-70) VA - 4

Date of Visit: (ex.06/22/2003) 05/17/2004

entered 6/16/05

APPALACHIAN NATIONAL SCENIC TRAIL JAN 18 2005 NATIONAL PARK SERVICE

Did you take any photographs? Yes (No) If so, please include examples

---

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Trillium cernum Common Name: Nodding trillium

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? Very confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 105 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. 1 Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) None

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) None

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? No action needed

Other Comments / Notes / Maps / Drawings Use Opposite Side See attached sheet

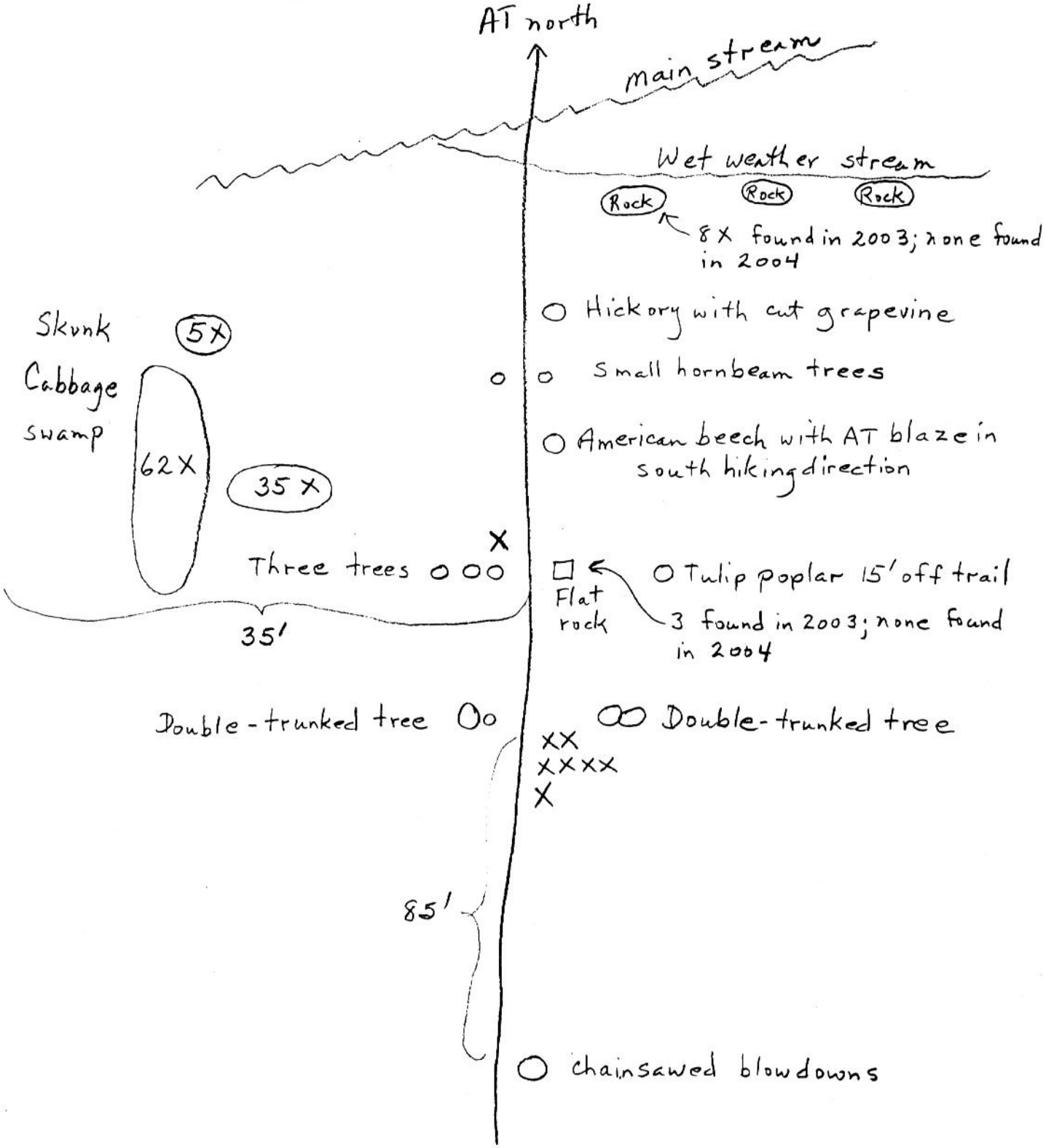
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Bob Pickett, 10713 Meadowhill Road, Silver Spring, MD 20901

6/17/2004 Maureen Harris

VA-4, Reservoir Hollow, Trillium cernum

Hike north on AT from Route 605. As you approach the large stream, there is skunk cabbage on the left and notable tree configurations. Individual plants are marked by an "X." None were in flower or had any buds or fruit.



VA-05

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: KENNETH LACEY **Site Name:** THOMPSON W.M.A. WILDCAT HOLLOW CR.

Volunteer Hours, including travel time: 5 **Site Number:** (ex. VA-70) ____-____

Date of Visit: (ex.06/22/2003) 5/22/04

Did you take any photographs? Yes (No) **If so, please include examples**

APPALACHIAN NATIONAL SCENIC TRAIL JAN 18 2005 NATIONAL PARK SERVICE

For each Rare Species found, please complete the following information:

Scientific Name: (if known) POA PALUDIGENA **Common Name:** BOG BLUEGRASS

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

entered 6/16/05

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? MODERATELY

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals TUFTS DOZEN 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

3,750 Sq.Ft. _____ Acres
50 X 75

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: (Invasive/Exotic Plants:) Animal Browsing:

Competition from other plants: Other: DENSE SHADE NATIVE VEGETATION

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

* also: BOB PICKETT JACK MEINERS

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Bob Pickett
10713 Meadowhill Rd.
Silver Spring, MD 20901

abulbigena Field Trip 1004

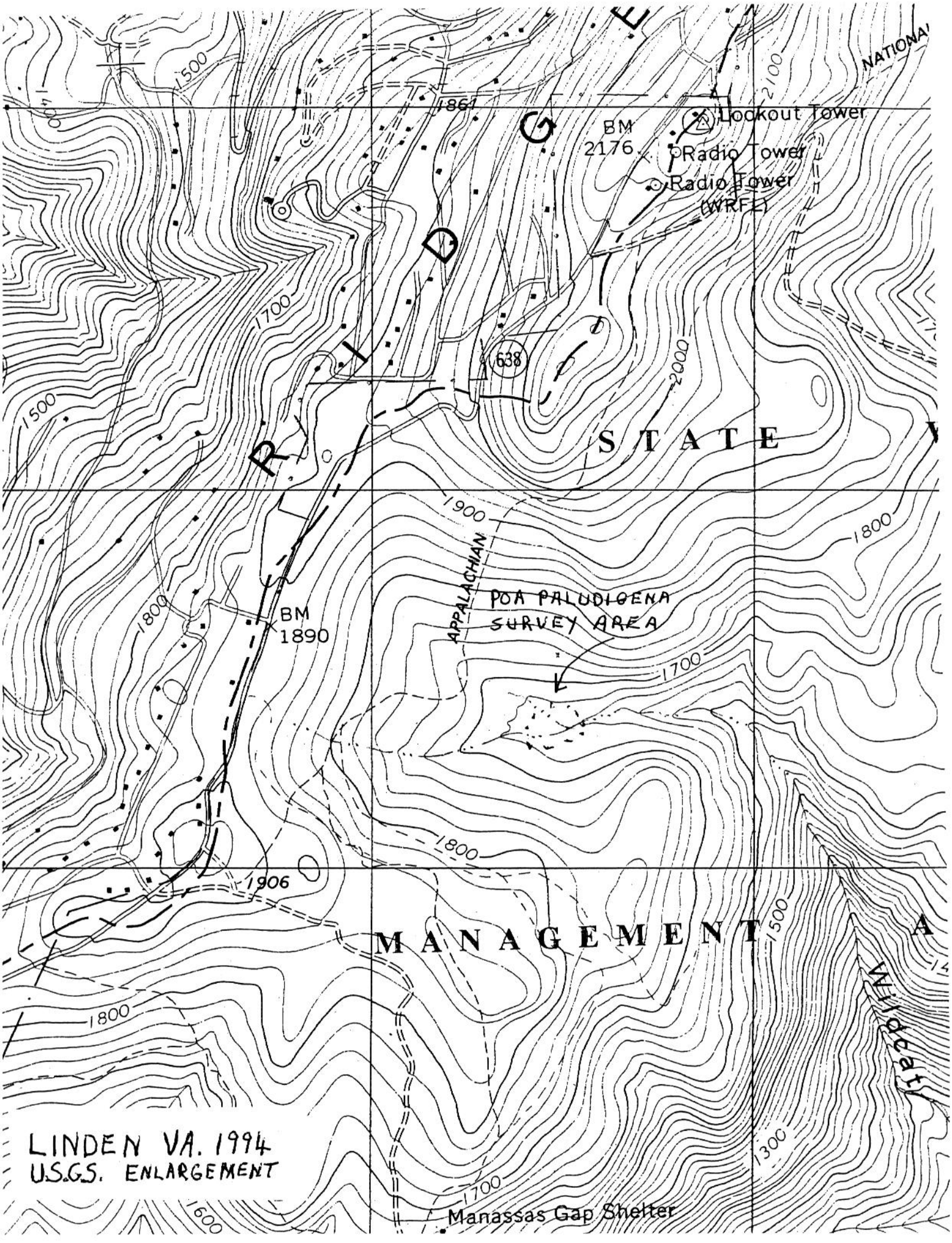
5 - K.K.LACEY

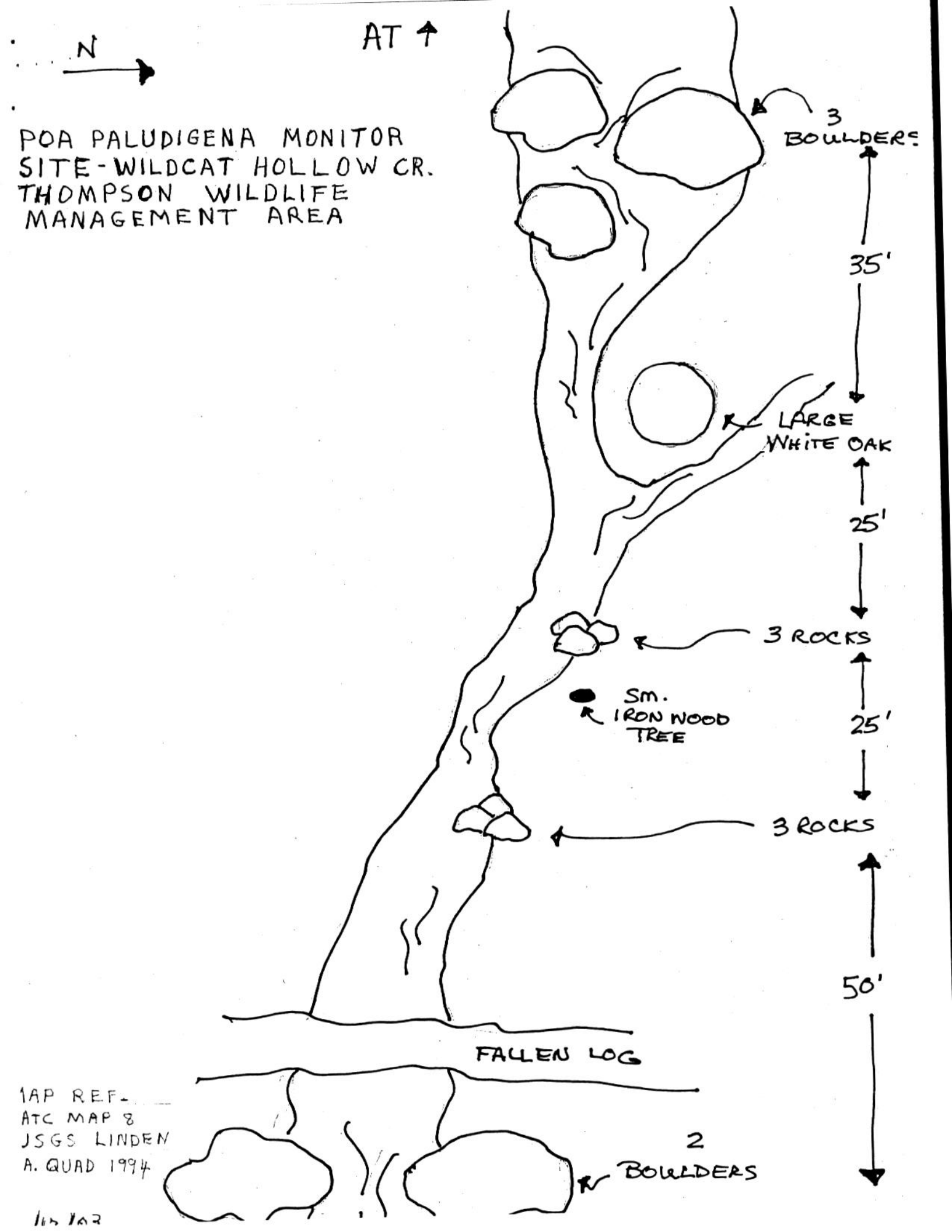
y 22 - Bob Pickett + Jack meiners

ne 20 - KKL.

ay 5, trip to Wildcat Hollow creek
area. Flagged two tufts of Poa sterilis
Poa. Immature stage too early to
identify

may 22. Returned to area with Bob
Pickett and Jack meiners. Jack + Bob
agreed this was not Poa P.
moving downcreek about 150 Ft.
to junction of small run flowing
in from N.W. and ground generally
saturated.
Found dozen or so clumps of
P. P. in state of inflorescence.
main axis, branches and spikelets mea
pattern of P.P.
Stigma and anthers meet text
discription.
Concluded grass was Poa Paludigena


RIDGE
STATE
MANAGEMENT
APPALACHIAN
BM
2176
Lookout Tower
Radio Tower
Radio Tower
(WRFL)
BM
1890
POA PALUDIGENA
SURVEY AREA
Wildcat
Manassas Gap Shelter
1861
1906
638
1500
1700
1800
1900
2000
2100
1600
1300
LINDEN VA. 1994
U.S.G.S. ENLARGEMENT


N
AT
POA PALUDIGENA MONITOR
SITE - WILDCAT HOLLOW CR.
THOMPSON WILDLIFE
MANAGEMENT AREA
3
BOULDERS
35'
LARGE
WHITE OAK
25'
3 ROCKS
Sm.
IRON WOOD
TREE
25'
3 ROCKS
50'
FALLEN LOG
2
BOULDERS
MAP REF.
ATC MAP 8
USGS LINDEN
A. QUAD 1994

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

VA-06

Name of Reporter: Heidi Forrest **Site Name:** Trumbo Hollow

Volunteer Hours, including travel time: 5.5hrs. **Site Number:** (ex. VA-70) ____-____

entered 6/16/05

Date of Visit: (ex.06/22/2003) 5 /21/04

Did you take any photographs? No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Trillium cernuum **Common Name:**

GPS Location of Rare Species (optional): X = **Y =** **Datum:** (ex. NAD27)

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Early* for some plants

Stage of Plant Development: (circle) **in flower** in fruit (berry) **vegetation only**

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals **101 - 250** 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

Sq.Ft. **3** **Acres**

Vigor of Species: (circle one) Excellent Good **Fair** Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable **Declining**

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: **Garlic Mustard taking over** Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

200 people pulling up the Garlic Mustard at the right time.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Bob Pickett, 10713 Meadowhill Road, Silver Spring, MD 20901

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Heidi Forrest **Site Name:** Trumbo Hollow VA-6

Volunteer Hours, including travel time: 9.5hrs. **Site Number:** (ex. VA-70) ____

Date of Visit: (ex.06/22/2003) 5/31/04

Did you take any photographs? No **If so, please include examples**

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 18 2005
NATIONAL PARK SERVICE

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) _____ **Common Name:** Nodding Trillium

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late* for some plants

Stage of Plant Development: (circle) **in flower** **in fruit (berry)** **vegetation only**

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: very few came up this year

#Individuals **Over run with GM 50-55" HIGH 101 - 250** 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** ___3___ **Acres**

Vigor of Species: (circle one) Excellent Good Fair **Struggling**

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable **Declining**

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: **Garlic Mustard taking over** Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

STOP KILLING THE ATLANTHUS & WILD ROSE

200 people pulling up the Garlic Mustard at the right time.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Estimate 1/3 to ½ of the population is gone due to lose of canopy. Plants on N side of the creek were in poor health yellow & brown, or no longer coming up form the ground.

Please return this form to: Bob Pickett, 10713 Meadowhill Road, Silver Spring, MD 20901

* other form for rare plant monitoring only

APPALACHIAN TRAIL

NATURAL HERITAGE SITE
MONITORING FORM

Peggy L. Combs — site looks fine

Site Name: **Humpback Mountain**	Site Number: **VA-38**
Quad Name: **Sherando**	Segment Map #: ~~448~~
State: **VA** County: **Nelson**	Township:
Agency: **BRP**	Trail Club: **ODATC**

Monitoring Objective: **Monitor submesotrophic scrub community to determine impacts of trail use.**

Recommended Actions: **Monitor and control access to site if it is determined that the submesotrophic scrub community is being damaged.**

Potential Threats to Site: **Trampling, increased trail use, trail relocation, development, gypsy moth infestation**

Type of Area: ___Rare animal site ___Rare plant site _x_Exemplary natural community

Date of Site Visit: 8/8/04 Time of Site Visit: 5:00 PM

How was the timing of your visit? (circle one) NA

a. too early - identifiable features of plants not evident yet/no evidence of animals seen
b. just right - able to identify and count plants or animals
c. too late - plants past their prime/no evidence of animals seen

---

Species identified (circle each species seen):

Scientific Name (Common Name)	Best Time to Identify Species
Huperzia appalachiana (fir clubmoss)	**Year-round**
Submesotrophic scrub**	

** indicates key species for monitoring purposes

APPALACHIAN NATIONAL SCENIC TRAIL
AUG 2 3 2004
NATIONAL PARK SERVICE

Name of Plant Monitor: ..... William S. Rogers

Name of Site: **Submesotropioc Scrub at Hanging Rock on north side of Three Ridges, Appalachian Trail between Maupin Field Shelter and Three Ridges**

Volunteer hours, including travel: 16-hrs

Site Number - unknown VA - 44

Date of Visit: 7 during year, last one 16 October 2004 .....

Time of visit: ..... 9:00 a.m.

Did you take photographs? Yes No X

For each rare species found, please complete the following:

Not applicable - No RT&E, just monitoring human impact/s.

General Notes:

This is a very popular through hiker, section hiker, and day hiker viewpoint just 2-miles from Maupin Field Shelter and 3.5-miles from the Blue Ridge Parkway. There is one small campsite that has been used for years and has not increased in size. Any fires built are built in the same place, on the same rock all the time, and do not impact the area. There is usually a little bit of trash to pick up, but no serious human impacts.

√A-45

Name of Plant Monitor: ..... William S. Rogers

Name of Site: **Submesotropic Scrub at Flat Rock Overlook on south side of Three Ridges, Appalachian Trail between Chimney Rock and Harpers Creek Shelter**

Volunteer Hours, including travel time: 16-hrs

Site Number - Unknown

Date of Visit: 17 April 2004 ....

Time of visit: ..... 2:30 p.m.

Did you take any photographs ? Yes No X

For each rare species found, please complete the following:

Not applicable - No RT&E, just monitoring human impact/s.

General Notes:

This is a popular hiker break viewpoint just a few feet from the Appalachian Trail on the South side of Three Ridges. Fortunately, it is too steep to allow camping.

Other than a short, 10-ft, gentle path off the A.T., there is no human impact other than an occasional candy wrapper to pick up.

APPALACHIAN TRAIL

NATURAL HERITAGE SITE MONITORING FORM

Site Name: **Spy Rock**	Site Number: **VA-47**
Quad Name: **Massies Mill**	Segment Map #: **453**
State: **VA** County: **Nelson**	Township:
Agency: **GWNF**	Trail Club: **NBATC**

Monitoring Objective: **Monitor rare plant populations and Oligotrophic Herbaceous Vegetation to determine impacts of trail use and need for access control. Also monitor for effects of invasive species on rare occurrences.**

Recommended Actions: **Control access to site if it is determined through monitoring that the natural heritage resources are being damaged; explore strategies to minimize trampling (interpretive signage, post area as off-limits to camping, trail relocation etc...).**

Potential Threats to Site: **Trampling, camping, use of Spy Rock spur trail, invasion of non-native species including Rumex acetosella (red sorrel), Arrhenatherum elatius (oatgrass), and Agrostis stolonifera (creeping bentgrass)**

Type of Area: ___Rare animal site x Rare plant site x Exemplary natural community

Date of Site Visit: July 9 2004 Time of Site Visit: early afternoon

How was the timing of your visit? (circle one)

a. too early - identifiable features of plants not evident yet/no evidence of animals seen
(b) just right - able to identify and count plants or animals
c. too late - plants past their prime/no evidence of animals seen

---

Species identified (circle each species seen):

Scientific Name (Common Name)	Best Time to Identify Species
Minuartia groenlandica (mountain sandwort)**	**June-September**
Sibbaldiopsis tridentata (three-toothed cinquefoil)**	**May-October**
Oligotrophic herbaceous vegetation**	
Oligotrophic scrub	

** indicates key species for monitoring purposes

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Laura Neale **Site Name:** Spy Rock

Volunteer Hours, including travel time: * **Site Number:** (ex. VA-70) VA-47

Date of Visit: (ex.06/22/2003) 7/9/04 (extra photos 9/26/04

Did you take any photographs? (Yes) No **If so, please include examples**

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Sibbaldiopsis tridentata **Common Name:** Three-toothed Cinquefoil

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) (less than 1 ft²)

4 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other: For some reason, this "shelf" located a goodly ways from the top of SR is receiving a lot more stomping visitors

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

(Competition from other plants:) Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

* See Minutia groundcover

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Laura Neale **Site Name:** Spy Rock

Volunteer Hours, including travel time: * **Site Number:** (ex. VA-70) VA-47 Entered 6/16/05

Date of Visit: (ex.06/22/2003) 07/9/04

Did you take any photographs? (Yes) No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia groenlendica **Common Name:** Mountain Sandwort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? earlier would be better

Stage of Plant Development: (circle) (in flower) (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 100 %

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

225 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) (Camp Site) Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: (Invasive/Exotic Plants:) Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side ☆ over

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

* I did not know you wanted volunteer hours - an estimate would be
1 hrs travel, hike, data collection
7 hrs dealing with photos, getting stuff together, sorting, copying
etc

Plant population is strongly declining in upper soil "bowls" where invasives are outcompeting the M. groenlandica. Plant populations are increasing in lower bowls and along lower edges.

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Laura Neale **Site Name:** Spy Rock

Volunteer Hours, including travel time: * **Site Number:** (ex. VA-70) VA-47

Date of Visit: (ex.06/22/2003) 07/9/04

Did you take any photographs? (Yes) No **If so, please include examples**

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Minuartia groenlandica **Common Name:** Mountain Sandwort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? earlier (would be better)

Stage of Plant Development: (circle) (in flower) (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 100 %

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

225 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) (Camp Site) Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: (Invasive/Exotic Plants:) Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side ☆ over

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

* I did not know you wanted volunteer hours - an estimate would be
7 hrs travel, hike, data collection
9 hrs dealing with photos, getting stuff together, sending, copying
16 hrs

APPALACHIAN TRAIL SCENIC TRAIL
SEP 2 2003
NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Norman & Jinx Sykora Site Name: Cold MT.

Volunteer Hours including travel time: 5 hrs. Site Number: (ex. VA-70) VA-49

Date of Visit: (8/22/2003) 8/3/04

Did you take any photographs? Yes (No) If so, please include examples

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Cacalia Mulenbergii Common Name: Great Indian Plantain

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Neither

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? very confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 33 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. 4 Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site (Trail Maintenance) Collection ATV

Other:

Were there any other threats to the site? (Please List if known) No

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? Continued monitoring

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

- over -

We also saw 9 individual plants along the Old Hotel Trail. This is the most we have seen at this location. None were in bloom.

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

APPALACHIAN NATIONAL SCENIC TRAIL
SEP 14 2004
NATIONAL PARK SERVICE

Name of Monitor: Nancy Anthony **Site Name:** North Creek

Volunteer Hours, including travel time: ~ 5/6 **Site Number:** (ex. VA-70) VA-56

Date of Visit: (ex.06/22/2003) 8/6/04 and 8/17/04

Did you take any photographs? Yes (No) **If so, please include examples**

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Triphora trianthophora **Common Name:** nodding pogonia

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? 8/6/04 - Too early for bloom 8/17/04 - about half bloom complete

Stage of Plant Development: (circle) 8/17/04 with some flowers in flower spent in fruit (berry) 8/6/04 vegetation only

How confident are you that you correctly identified the species? completely

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals see back 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) see back

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining This is my first time alone but I think based on Sandra's last report + my observation that the area of stands in greater.

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: sites A, B, C are beside the AT

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

Ground cover beans are really lush this year and come to the southern edge of site B. Also a deer path along southern side of site B

In your opinion, what action, if any, is necessary to protect the sensitive species?

Monitor expansion of bean vines next year at site B.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: There was no address for where I was to send this as you can see. The cover letter said I should send a copy to Fred Huber but I have no idea what his address is so if I should send this form to anywhere other than the Blacksburg Regional Office

original site near Bryant Ridge Shelter (BRS) on AT south of Hamps Branch in area ~ 11' x 12'

A
site ~ 1.1 mile from BRS between large beech on left southbound and creek crossing on large rocks. Plants come to edge of AT. Plants in area ~19' along trail + 13' out from trail

B
site - 1.3 mile from BRS on right southbound along AT for ~25' and extending downhill ~9'

C
site ~ 95' from site B southbound on AT at base of Chestnut Oak in area 13" x 9"

Individuals Counted

	gift	8/6/04	8/17/04
original	132	9 (1 bloom)	12 (1 bloom)
site A	247	36 (1 bloom)	34 (~ half in bloom or spent
site B	225	~~36~~ (one bloom)	39 (~ 12 in bloom) spent blooms
site C	41	10 (no bloom)	13 (one bloom, others finished)

Nancy Anthony
7440 Brookneal Hwy
Gladys, VA, 24554

APPALACHIAN NATIONAL SCENIC TRAIL
OCT 18 2004
NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: LEONARD M. ADKINS Site Name: CATAWBA MTN, VA

Volunteer Hours including travel time: 6hrs Site Number: (ex. VA-70) VA-59

Date of Visit: (06/22/2003) 07/09/2004 09/08/04

Did you take any photographs? Yes (No) If so, please include examples

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Arenaria groenlandica (Minuartia) Common Name: ~~Mountain~~ Mountain Sandwort

GPS Location of Rare Species (optional): X = _____ Y = _____ Datum: (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals - patches 15 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent Good (Fair) Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: More SHADE Other: other plants moving into area

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

I HAVE Seen A STEADY Decline in the numbers of this plant since I began monitoring it. MAY I SUGGEST That someone with more expertise visit the site to see if anything can be done?

APPALACHIAN NATIONAL SCENIC TRAIL
JUN 2 8 2004
NATIONAL PARK SERVICE

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Tina Welcher Gibson **Site N** [illegible] **PARK** Smal Creek

. assistants – Bobbie Stitcher, Linda Akers

Volunteer Hours, including travel time: 16 hrs each **Site Number:** (ex. VA-70) VA - 66

entered 6/16/05

Date of Visit: (ex.06/22/2003) 05/30/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Buckleya distichophylla **Common Name:** piratebush

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? too early due to high water level of creek

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? very confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 1 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

1 **Sq.Ft.** _____ **Acres**

APPALACHIAN NATIONAL SCENIC TRAIL
2004
NATIONAL PARK SERVICE

Vigor of Species: (circle one) Excellent Good Fair (Struggling)

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply) NO - AT has been relocated away from site which was a campsite

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) none noted

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? none at this time

Other Comments / Notes / Maps / Drawings Use Opposite Side – will return to site in fall when lower water levels are expected – was only able to visit one site of the five due to high water levels + inaccessability

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: MARK STANLEY **Site Name:** Dismal Creek

Volunteer Hours, including travel time: 4 **Site Number:** (ex. VA-70) VA - 66

Date of Visit: (ex.06/22/2003) 8/7/04 - could not locate - didn't hike far enough
10/3/04 - located

Did you take any photographs? (Yes) No **If so, please include examples**

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Bucklea distichophylla **Common Name:** Pirate Bush

GPS Location of Rare Species (optional): X = too narrow valley / wooded Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? NO

Stage of Plant Development: (circle) in flower in fruit (berry) ~~vegetation only~~

How confident are you that you correctly identified the species? absolutely sure

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 4 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** 1 **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining 1st visit

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV no

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing: no

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

* hurricane flooding prohibited crossing Dismal Creek to check #'s + status of individual plants on the AT side of creek. Ones I found were vigorous + had plentiful pedicels — so they had flowered + fruit had matured.

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Dave Tomkins (Mt Rogers Ridgerunners 2004) **Site Name:** Pine Mt. (Mt Rogers, VA

Volunteer Hours, including travel time: 8hrs **Site Number:** (ex. VA-70) VA-67 (for crown)

Date of Visit: (ex.06/22/2003) 07/07/2004 (mapped & GPS'd these occurrences)

Did you take any photographs? ~~Yes~~ (No) **If so, please include examples**

Entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Carex latifolia **Common Name:** Wood Reed

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? good time ~~on early regular~~?

Stage of Plant Development: (circle) in flower in fruit (berry) (seed) vegetation only

How confident are you that you correctly identified the species? – very sure!

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** ½-acre covered here + nearby _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining (first visit)

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: 2 new areas spotted during explorations for same plants

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: several species of grasses Other: possible seed eaten by deer, open areas along trail for access

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side

– several patches of grasses in the area

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: David Tompkins **Site Name:** Pine Mt (Virginia, Mt Rogers)
Mount Rogers Ridgerunner 2004

Volunteer Hours, including travel time: 8hrs **Site Number:** (ex. VA-70) ___-___ not known

Monitored multiple sites

Date of Visit: (ex.06/22/2003) 07 / 03 / 2004 (no day year)

entered 6/16/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Hypericum mitchellianum **Common Name:** St John's Wort

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? possibly too early

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only) blooms July - August

How confident are you that you correctly identified the species? fairly confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#individuals 0 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement) .2 mile along trail

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent Good Fair (Struggling) unknown species not found

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining first visit

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: horse poop + dung ; possible spot for picking flowers

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

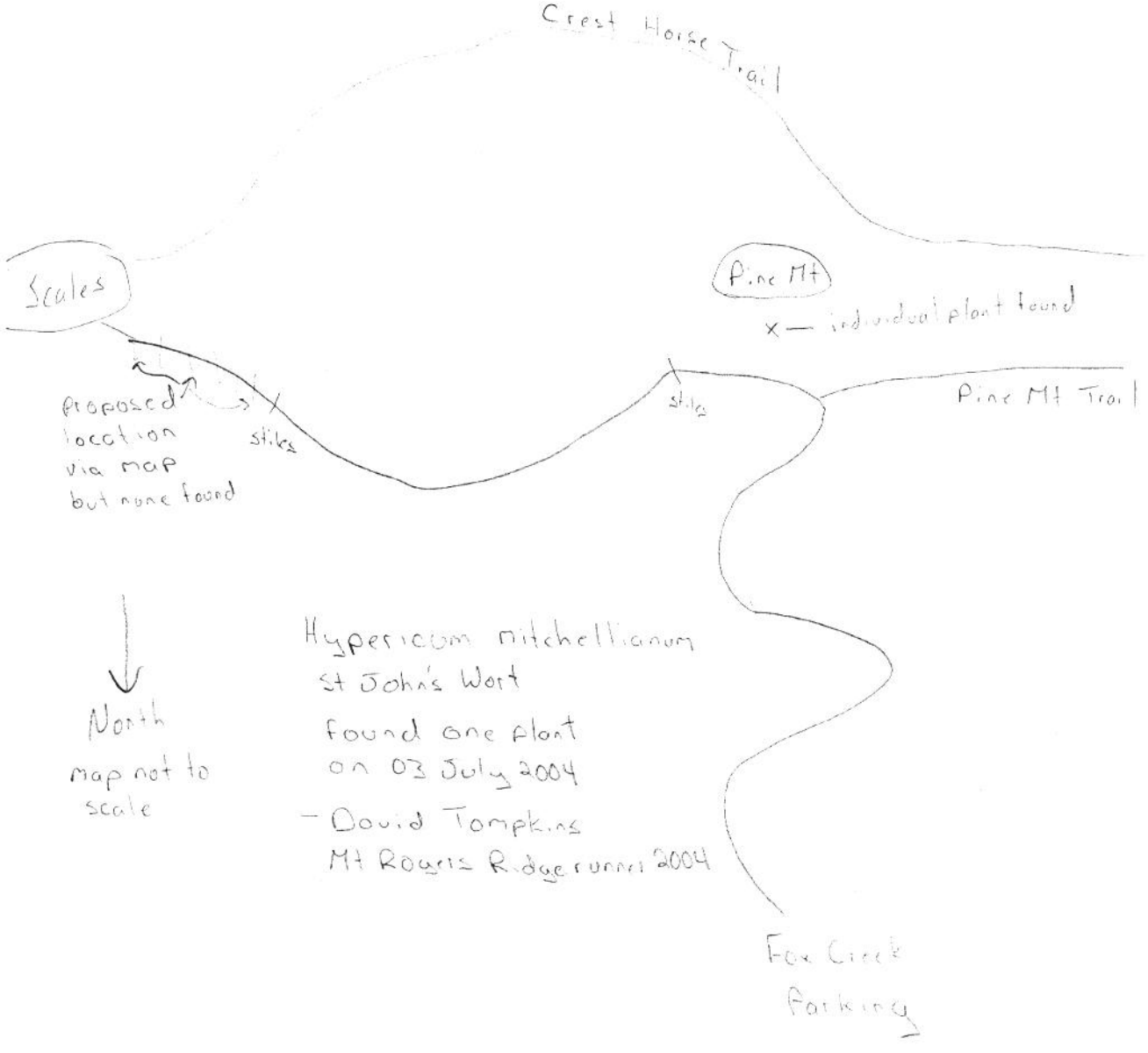
Competition from other plants: Other: cattle / pony grazing

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side found one plant in area other than area noted on map (where no plants were found)
Does plant bloom in open meadow near summit of Pine Mt. area popular for picking - found plant near grazing area - see map

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:


Crest Horse Trail
Scales
Pine Mt
x— individual plant found
proposed location via map but none found
stile
stile
Pine Mt Trail
North
map not to scale
Hypericum mitchellianum
St John's Wort
found one plant on 03 July 2004
- David Tompkins
Mt Rogers Ridgerunner 2004
Fox Creek Parking

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: David Tompkins (Mt Rogers Ridgerunner 2004) **Site Name:** Pine Mt. (Mt. Rogers, VA)

Volunteer Hours, including travel time: 8 hrs (monitored several sites) **Site Number:** (ex. VA-70) ___-___ (Not known)

entered 6/16/05

Date of Visit: (ex.06/22/2003) 07 (mo) / 03 (day) / 2004 (yr)

Did you take any photographs? ~~Yes~~ (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes roanensis **Common Name:** Roan Rattlesnake Root

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? too early?

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only ?

How confident are you that you correctly identified the species? not very - never personally seen one

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals ~~0~~ never found individual plants 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____Sq.Ft. _____Acres

Vigor of Species: (circle one) Excellent Good Fair (Struggling) seedlings

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable ~~Declining~~ first visit

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Show rarity - signs, white blazes/trail corridor/send survey to ATC plant monitor

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: David Tompkins (Mt Rogers Ridgerunner 2004) **Site Name:** Pine Mt (Mt Rogers, VA)

Volunteer Hours, including travel time: 8 hrs (monitored several sites) **Site Number:** (ex. VA-70) ___-___ (not known)

Date of Visit: (ex.06/22/2003) 07/03/2004 (no / day / yr)

* Found 3 plant groupings, no

Did you take any photographs? ~~Yes~~ (No) **If so, please include examples** sheer notaing

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Diphylleia cymosa **Common Name:** Umbrella Leaf

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? good time

Stage of Plant Development: (circle) ~~in flower~~ ~~in fruit (berry)~~ (vegetation only)

How confident are you that you correctly identified the species? very - previously seen/ID'd elsewhere

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 33 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

25-30 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining first visit

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: possibility for trampling but none at this time

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: striped maple seedlings Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

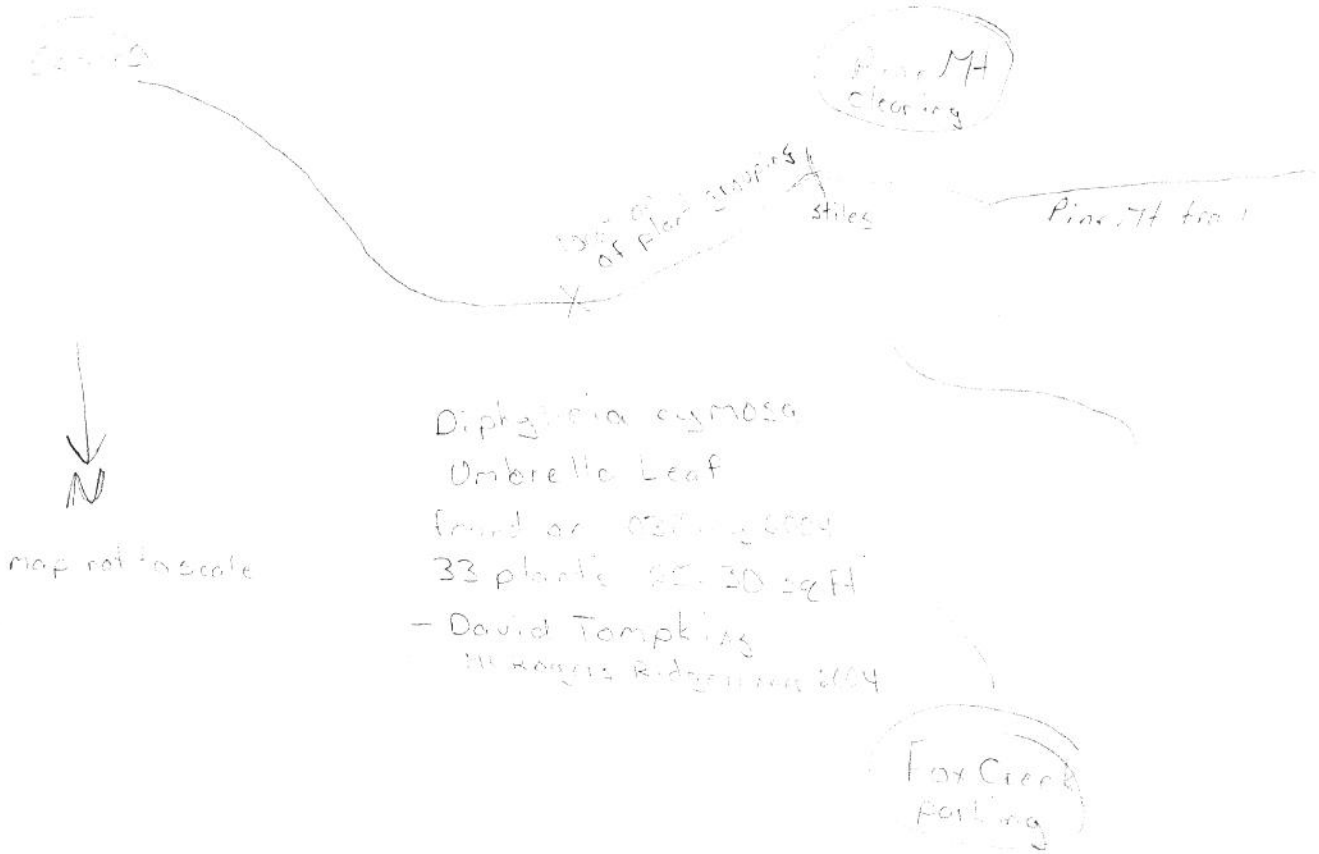
Trail work does not include this site as muddy area's not be protective. Trail work done in area

Other Comments / Notes / Maps / Drawings Use Opposite Side

Found three plant groupings w/ a location sheet - area located on AT approximately mile 441 on Pine Mt (USGS 7.5 scales) map on back Also assumed to be the largest patch on this area of trail. Site is along a ridge and is steep on one side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:


Pine MH clearing
stiles
Pine MH trail
N
map not to scale
Diphylleia cymosa
Umbrella Leaf
33 plants
- David Tompkins
Fox Creek parking

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: David Tompkins (Mount Rogers Volunteer) **Site Name:** Pine Mountain (Grayson)

Volunteer Hours, including travel time: 8hrs **Site Number:** (ex. VA-70) ____-____

Date of Visit: (ex.06/22/2003) 07/03/2004

entered 6/16/05

Did you take any photographs? ~~Yes~~ No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Diphylleia cymosa **Common Name:** Umbrella leaf

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) ~~in flower~~ ~~in fruit (berry)~~ (vegetation only)

How confident are you that you correctly identified the species? very – previously seen fruiting on Whitetop Mt.

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 87 (counted from trail) 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

120-180 visible from trail – patches far apart Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling – some plants yellowing/declining

How does the size and vigor of the population compare with your last visit? (circle one) perhaps excessive moisture from heavy rainfall amounts

Improved Stable Declining Not applicable first visit

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: no signs of recent activity off the trail, but some trampling from visitors viewing

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

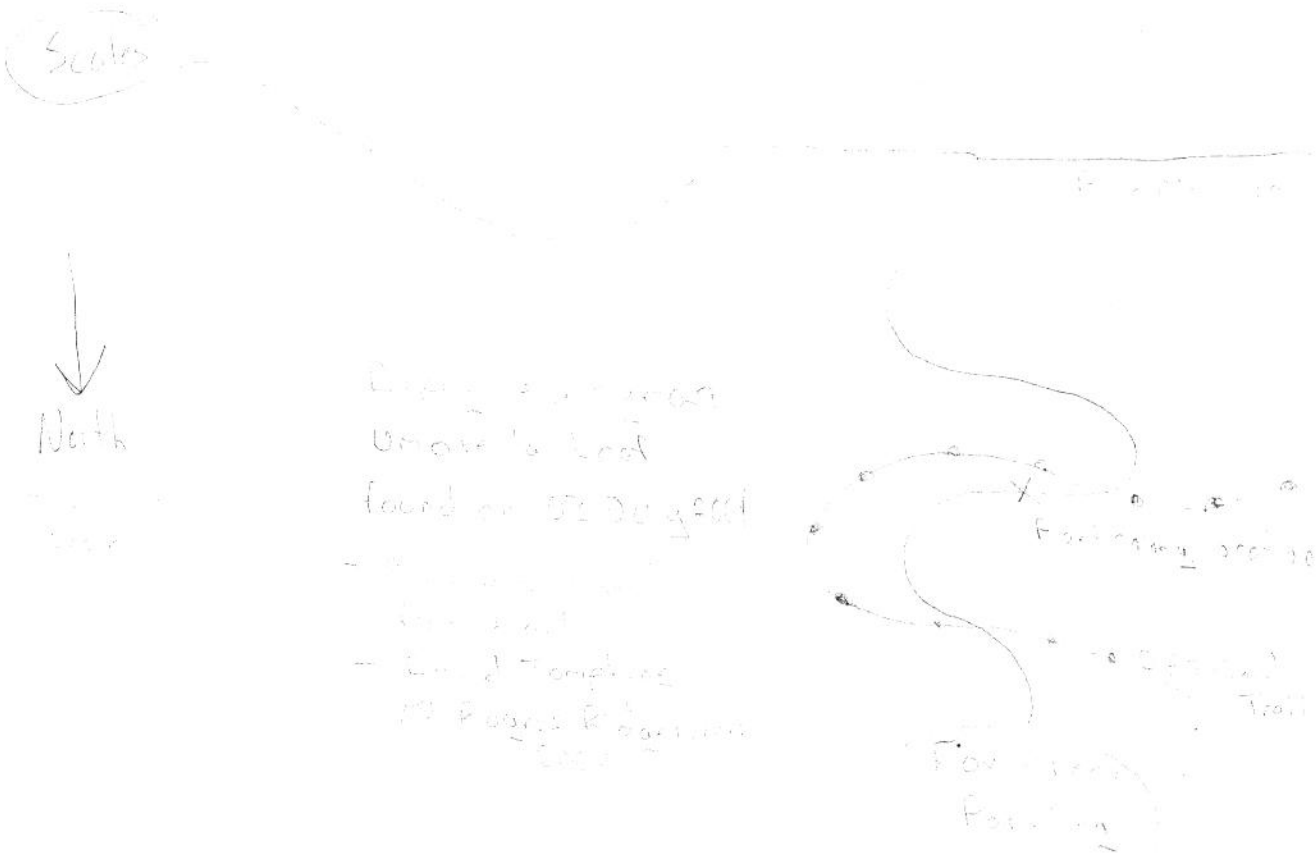
In your opinion, what action, if any, is necessary to protect the sensitive species?

avoid trampling by visitors – prevent overgrowth of rhododendron

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

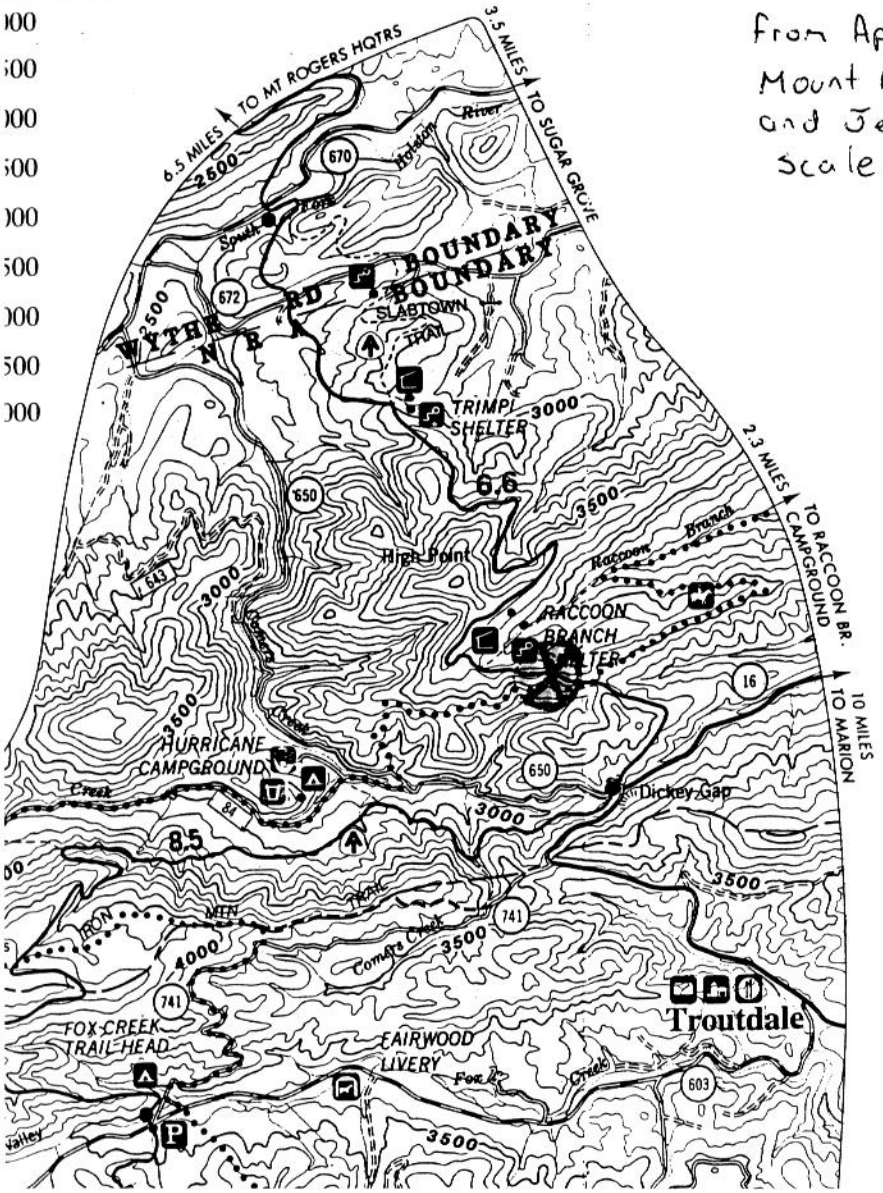

South
North

06 July 2004

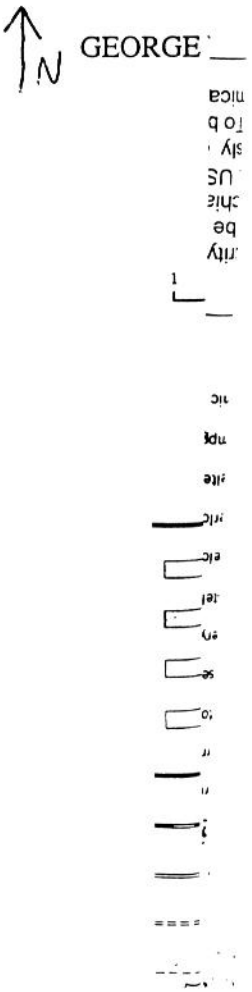
Seed producing American Chestnut; located along Appalachian Trail aproximately 3/4 mile Trail North of Dicky Gap / VA 650 near rock overlook between Virginia Highlands Horse Trail and former Raccoon Branch shelter, Sugar Grove, VA Mount Rogers, NRA; several stump sprout saplings in general area; South Southwest facing slope with oak-pine forest cover type. Seed bearing tree characteristics not measured at time of seed discovery.

Discovered by David Tompkins, ATC Ridgerunner Mount Rogers, NRA 2004 spring.

entered 6/16/05



From Appalachian Trail Map # 1 (2008) Mount Rogers, NRA George Washington and Jefferson National Forests
Scale: 1 inch = 1 mile

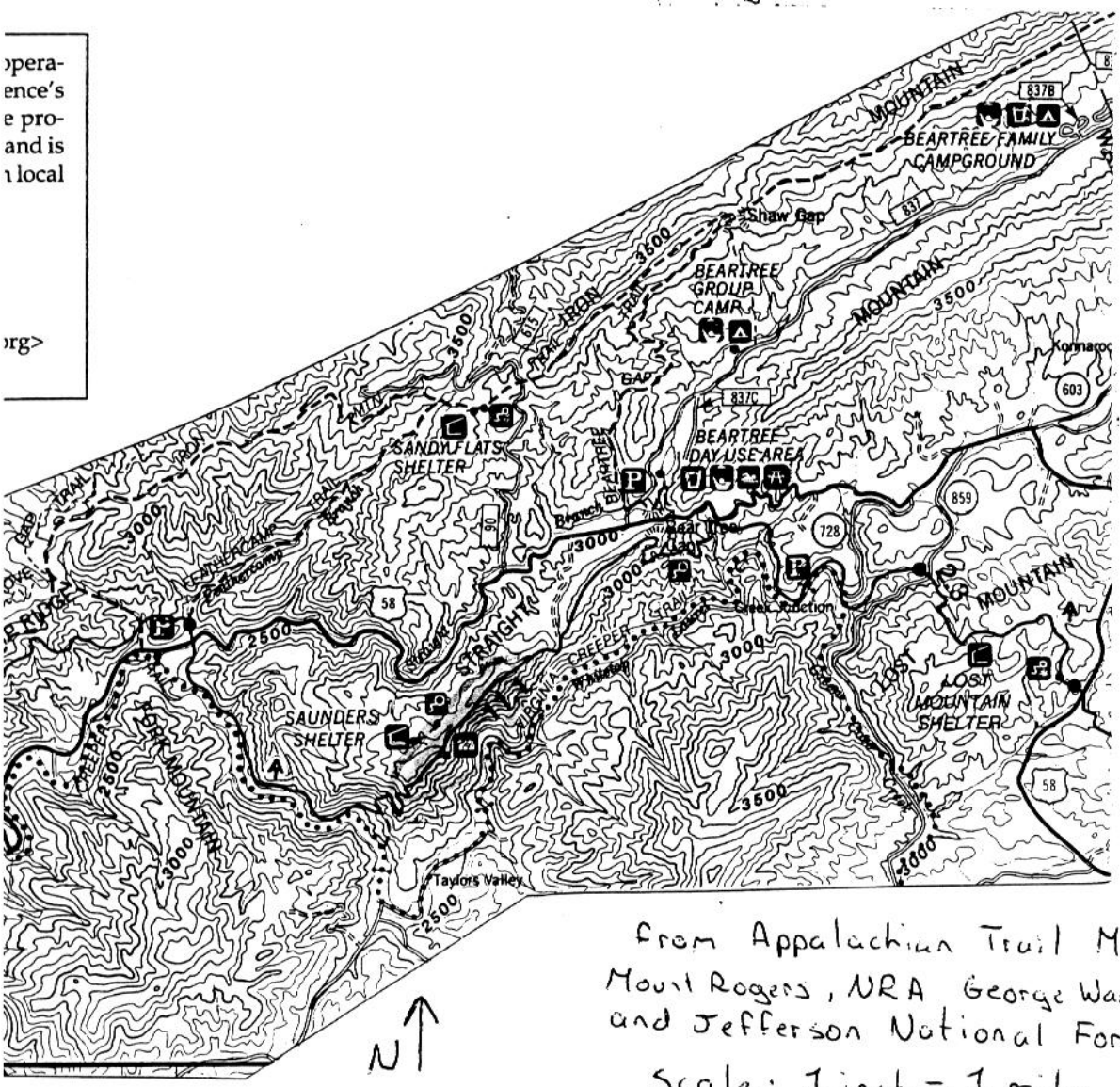


06 July 2004

Community of Carolina Hemlock; located on south east facing ridge line and Appalachian Trail above Taylor's Valley and near Saunder's Shelter, Damascus VA Mount Rogers, NRA; Estimated 50-100 or greater stems ranging from new growth to mature; Hemlock Adelgid present but not noticably prevelant; surrounding forest type oak-hickory.

Discovered by David Tompkins, ATC Ridgerunner Mount Rogers, NRA - spring 2004

entered 6/16/05



from Appalachian Trail Map 1 (2002)
Mount Rogers, NRA George Washington and Jefferson National Forests
Scale: 1 inch = 1 mile

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

entered 6/16/05

Name of Monitor: Teresa Martinez **Site Name:** Elk Garden

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) VA 70

Date of Visit: (ex.06/22/2003) 06/13/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Cuscuta rostrata **Common Name:** beaked dodder

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? perfect

Stage of Plant Development: (circle) (in flower) ↔ (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

5,000 Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one) unknown

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) (Camp Site) Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

campsite closure along A.T.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Teresa Martinez **Site Name:** A.T. South of Elk Garden

Volunteer Hours, including travel time: ____ **Site Number:** (ex. VA-70) VA-70

entered 6/16/05

Date of Visit: (ex.06/22/2003) 06/13/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Diphylleia cymosa **Common Name:** Umbrella leaf

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? perfect

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

~~Sq.Ft.~~ 10 Acres all drainages along A.T. have them!

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply) NO

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) NO

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Site looks good!

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Teresa Martinez **Site Name:** Elk Garden

Volunteer Hours, including travel time: — **Site Number:** (ex. VA-70) VA - 70

entered 6/16/05

Date of Visit: (ex.06/22/2003) 06/13/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Diphylleia Cymosa **Common Name:** Umbrella leaf

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Perfect

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 15 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

20 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) ⟷ (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other: parking area

Were there any other threats to the site? (Please List if known)

Insects: (Invasive/Exotic Plants: by parking lot) (Animal Browsing: horses?)

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Continued monitoring

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Teresa Martinez **Site Name:** Bike garden

Volunteer Hours, including travel time: — **Site Number:** (ex. VA-70) VA-70

entered 6/16/05

Date of Visit: (ex.06/22/2003) 06/13/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Cinna Latifolia **Common Name:** slender wood reedgrass

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? a little early

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only) → flower/seed just starting

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

5000 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one) unknown

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) (Camp Site) (Trail Maintenance) Collection ATV

Other:

Were there any other threats to the site? (Please list if known)

Insects: (Invasive/Exotic Plants:) Animal Browsing:

area along parking is subjected to mowing & competition from nearby species.

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Caring closure & careful maintenance & continued monitoring!

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Teresa Martinez **Site Name:** Elk Garden

Volunteer Hours, including travel time: 0 **Site Number:** (ex. VA-70) VA - 70

entered 6/16/05

Date of Visit: (ex.06/22/2003) 06 / 13 / 2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Phacelia fimbriata **Common Name:** fringed scorpion-weed

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Perfect

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 36 at site but an additional 10-50 spread throughout 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

100 X 50 Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one) unknown

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply) yes

(Trampling) (Camp Site) Trail Maintenance Collection ATV

Other: bathroom area at trailhead

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

closure of area to camping. Consistent monitoring

Other Comments / Notes / Maps / Drawings Use Opposite Side

Club is good about doing trail maintenance

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Teresa Martinez **Site Name:** White Top

Volunteer Hours, including travel time: _____ **Site Number:** (ex. VA-70) VA-70

entered 6/16/05

Date of Visit: (ex.06/22/2003) 06/13/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Sibbaldiopsis tridentata **Common Name:** three-toothed cinquefoil

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? perfect

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 (751-1000) (>1000)

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** 20 **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: ROAD, A.T.

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other: ROAD

In your opinion, what action, if any, is necessary to protect the sensitive species?

keep monitoring & keep people on road!

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to:

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

MD

Name of Monitor: Richard Stromberg Site Name: Weverton-Sandy Hook Floodplain
Volunteer Hours, including travel time: 6 Site Number: (ex. VA-70) MD-3+4
Date of Visit: (ex.06/22/2003) 08 /10/2004
Did you take any photographs? Yes If so, please include examples

APPALACHIAN NATIONAL SCENIC TRAIL NATIONAL PARK SERVICE JAN 19 2005

entred as two different sites 6/16/05

For each Rare Species found, please complete the following information:
Scientific Name: (if known) Ruellia strepens **Common Name:** Rustling Wild Petunia
Please input data for the 2 sites separately.
GPS Location of Rare Species (optional): X = **Y =** **Datum:** (ex. NAD27)

Latitude	Longitude	Area covered	# of individuals	Comments
39,19,31N	77,42,27W	1 sq meter	10	MD-3 Sandy Hook Floodplain
39,19,31N	77,42,28W	5 sq meters	10	
39,19,31N	77,42,18W	10 sq meters	10	MD-4 Weverton Floodplain
39,19,31N	77,42,19W	10 sq meters	20	

MD-4 Ammania coccinea not found—habitat under water
MD-3 – Silene nivea not found

The information below is the same for both sites.

Timing able to id plants
Stage of Plant Development: (circle) cleistogamous flowers showing
How confident are you that you correctly identified the species? %
Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals 50 101 - 250 251-500 501-750 751-1000 >1000
Area covered by the rare species: (Fill in the most applicable measurement)
30 **Sq.Ft.** **Acres**
Vigor of Species: (circle one) Excellent Good Fair [Struggling]
How does the size and vigor of the population compare with your last visit? (circle one)
Improved [Stable] Declining
Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site Trail Maintenance Collection ATV Other:
Were there any other threats to the site? (Please List if known)
Insects: [Invasive/Exotic Plants]: [Animal Browsing]: deer
Garlic Mustard particularly bad; also Ailanthus, English Ivy, Stilt Grass, Japanese Honeysuckle, Privet, Perilla
Competition from other plants: Mixed with Whorled Loosestrife Other:
In your opinion, what action, if any, is necessary to protect the sensitive species? Get rid of invasives

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Bob Pickett, 10713 Meadowhill Road, Silver Spring, MD 20901

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Weverton Floodplain

Entered 6/16/05

Name of Monitor: Mike Dixon & Richard Stromberg **Site Name: ~~Weverton-Sandy Hook Floodplain~~**

Volunteer Hours, including travel time: 10 **Site Number:** (ex. VA-70) MD-4

Date of Visit: (ex.06/22/2003) 05 /11/2004

Did you take any photographs? Yes **If so, please include examples**

APPALACHIAN NATIONAL SCENIC TRAIL NATIONAL PARK SERVICE JAN 18 2005

For each Rare Species found, please complete the following information:

Scientific Name: (if known) **Maianthemum stellatum** **Common Name: Star-flowered Solomon's Seal**

GPS Location of Rare Species (optional): X = _____ **Y =** _____ **Datum:** (ex. NAD27) _____

Latitude	Longitude	Area covered	# of individuals	Comments
N39° 19' 40"	W77° 40' 58"	100sq meters	1,000	beside stream at east end, very dense, big tree fallen across this group
N39° 19' 38"	W77° 41' 4"	100sq meters	100	
N39° 19' 38"	W77° 41' 4"	100sq meters	100	Separated from previous by bushes
N39° 19' 27"	W77° 41' 24"	300sq meters	200	NW of big grassy area near river
N39° 19' 25"	W77° 41' 30	400sq meters	300	near river
N39° 19' 25"	W77° 41' 31	50sq meters	50	near tow path
N39° 19' 30"	W77° 42' 3"	100sq meters	50	
N39° 19' 32"	W77° 42' 9"	50sq meters	25	
N39° 19' 32"	W77° 42' 10"	200sq meters	100	With Great Solomon's Seal & English Ive

Timing was OK, flowers starting to fade

Stage of Plant Development: (circle) in flower, starting to fade

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 **>1000**

Area covered by the rare species: (Fill in the most applicable measurement)

1400 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) **Excellent** Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved **Stable** Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: **Invasive/Exotic Plants**: Animal Browsing:

Garlic Mustard particularly bad; also Ailanthus, English Ivy, Stilt Grass, Japanese Honeysuckle

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? Get rid of invasives

Other Comments / Notes / Maps / Drawings Use Opposite Side Also saw many Miami Mist (Phacelia purshii), which is S3 in Maryland

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Bob Pickett, 10713 Meadowhill Road, Silver Spring, MD 20901

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Kisun Han MO-07 **Site Name**: Site 7 – Warner Gap Hollow

Volunteer Hours, including travel time: 7.5 **Site Number**: (ex. VA-70) _____

Date of Visit: (ex.06/22/2003) 05 /22/20004

Did you take any photographs? **Yes** <No> **If so, please include examples**

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*** IMPORTANT NOTE ***

On May 22, I went out to Warner Gap Hollow to do annual rare plant monitoring and discovered that AT in that area had been relocated. AT used to cross RT 77 near the gun club but now it crosses 0.6 mile further east. Consequently the section of AT between RT 77 and the power line was lengthened and rerouted. I followed the new route and found that the new route completely missed the rare plant site previously observed, by about ¼ mile and no Nodding Trilliums along the new route. **On my return, I visited the old observation site and the rest of this report is based on the findings from it. – Kisun Han**

entered 6/16/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Trillium Cernuum **Common Name**: Nodding Trillium

GPS Location of Rare Species (optional): **X =** **Y =** **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) <in flower> in fruit vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals: 64

Area covered by the rare species: (Fill in the most applicable measurement)<

30x100 Sq.Ft.

Vigor of Species: (circle one) Excellent <Good> Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable <Declining>

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Garlic Mustard Animal Browsin

Competition from other plants: Mayapples

Other: Last year we noticed a bush of multiflora rose (Rosa multiflora) in the middle of the Nodding Trillium field and found no trilliums were growing under or close to the patch. It seemed that the patch got bigger this year.

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NATIONAL PARK SERVICE

July 12, 2004

PA-11,13 ~~[illegible]~~

Kent, input each site separately

This month I counted the *Iris verna* and the *Ruellia strepens* as they are visible from the A.T., but I did not search for them off-trail (i.e. bushwhack). I also counted the *Iris* along the blue-blazed portion of Dead Woman Hollow Trail (a gated state forest lane). Both of these species are doing well except that the *Ruellia* is being mowed, perhaps excessively, along the Creek access at the large footbridge.

Carex shortiana was unrecognizable perhaps in part because the perigynia had abscised, but also because the plants that I know along the trail had been mowed. I had shown these to the Boiling Springs staff last year and recommend that they flag these clumps to spare them from the mower.

Last evening I visited the *Carex polymorpha*, which is along the headwaters of Birch Run and not close to the A.T. It seemed denser and more extensive than in previous years although fertile culms were again very scarce. I examined the full extent of it but did not attempt to count the hundreds of vegetative culms.

Please let me know what forms I should use to report the data, if necessary

Thank you

Sincerely,
Larry Klotz

Entered 6/16/05

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 18 2005
NATIONAL PARK SERVICE

→ Big Flat Barren

Name of Plant Monitor: Larry Klotz
Name of Site: ~~A.T. and associated trails on South Mountain, Cumberland Co., PA, NE of Shippensburg-Arendtsville Road; also NW side of A.T. just SW of this road.~~
Date of Visit: 29 June 2004
Time of Visit: early evening
Volunteer Hours: about two

PA-13

Species (and subpopulation, if applicable): *Iris verna*

Entered 6/16/05

Stage of plant development:
____ *(a) in flower*
____ *(b) in fruit (berry)*
__x_ *(c) vegetation only*

Timing of visit:
____ *(a) too early - identifiable features of plant not evident*
__x_ *(b) just right - able to identify and count plants* (Early May would be the time for flowers.)
____ *(c) too late - plants past their prime*

How confident are you that you correctly identified the species? Completely.

Number of individuals seen: 196 rosettes (total).

- A.T. N from Dead Woman's Hollow Road to Dead Woman's Hollow Trail: 89 rosettes (74 on N. side + 15 on S. side).
- Dead Woman's Hollow Trail beyond Anna Michener Cabin: Not counted this year; 22 rosettes were observed in this section last year.
- Dead Woman's Hollow Road from Dead Woman's Hollow Trail to the A.T.: 107 rosettes (all on E side, none on W side).

Do you think you found all the individuals at the site? Probably not.

Area covered by the rare species: See my previous report for this site.

Vigor of species:
____ *excellent*
__x_ *good*
____ *fair*
____ *struggling*

How does the size (area) and vigor of the species compare with previous visits? (please mark only one):
__x_ *improved*
____ *stable*
____ *declining*

Do you have any evidence of human activities at this site? (e.g., trampling, camping). If so, what? Trampling by hikers and damage by vehicles since *Iris verna* typically grows right at the edge of the trail.

Were there other indications of threats to the site? (e.g., gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? None apparent.

Other comments/notes:

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. This was previously submitted.

Name of Plant Monitor: Larry Klotz
Name of Site: ~~A.T. between Sherwood Drive and Ironstone Ridge S of~~ Bernhisel Bridge. Floodplain
Site Name: PA-11
Date of Visit: 4 July 2004
Time of Visit: early evening
Volunteer Hours: about two

entered 6/16/05

Species (and subpopulation, if applicable): Ruellia strepens

Stage of plant development:
____ *(a) in flower*
____ *(b) in fruit (berry)*
__x_ *(c) vegetation only*

Timing of visit:
____ *(a) too early - identifiable features of plant not evident*
__x_ *(b) just right - able to identify and count plants* (June would be better for flowers, and the other vegetation would be shorter.)
____ *(c) too late - plants past their prime*

How confident are you that you correctly identified the species? Very.

Number of individuals seen: 75 genets (total); separate shoots are assumed to be genets.
S of Bernhisel Bridge – in the floodplain: 17 genets (7 on W side of A.T., 10 on E side);
N of Bernhisel Bridge: 58 genets (44 in the vicinity of the large footbridge + 14 near the unnamed tributary S of Sherwood Drive).
Do you think you found all the individuals at the site? No.

Area covered by the rare species: See my previous report for this site.

Vigor of species:
____ *excellent*
__x_ *good*
____ *fair*
____ *struggling*

How does the size (area) and vigor of the species compare with previous visits? (please mark only one):
____ *improved*
__x_ *stable*
____ *declining*

Do you have any evidence of human activities at this site? (e.g., trampling, camping). If so, what? Mowing. (However, mowing creates an edge effect that seems to favor this species, and this species is able to resprout after mowing.)

Were there other indications of threats to the site? (e.g., gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?
At least 13 exotic plant species are naturalized in within the habitat of *Ruellia strepens* at this site.

Did you take any photographs? (If so, please include) No.

In your opinion, what action, if any, is necessary to protect the sensitive species?
A narrower area could be mowed between the large footbridge and the bank of the Conodoguinet

Creek. Also, setting the mower blades slightly higher might help this species.

Other comments/notes:

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. This was previously submitted.

APPALACHIAN NATIONAL SCENIC TRAIL
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Name of Plant Monitor: Larry Klotz
Name of Site: ~~A.T. between Sherwood Drive and Ironstone Ridge S~~ of Bernhisel Bridge. Site Name = Floodplain
Date of Visit: 4 July 2004
Time of Visit: early evening
Volunteer Hours: about two
PA-11

Species (and subpopulation, if applicable): Carex shortiana

entered 6/16/05

Stage of plant development:
____ *(a) in flower*
____ *(b) in fruit (berry)*
__x_ *(c) vegetation only*

Timing of visit:
____ *(a) too early - identifiable features of plant not evident*
____ *(b) just right - able to identify and count plants*
__x_ *(c) too late - plants past their prime* (June would be better for fruiting culms.)

How confident are you that you correctly identified the species? Truly (in the past).

Number of individuals seen: No unmowed clumps were seen.

Do you think you found all the individuals at the site? No.

Area covered by the rare species: See my previous report for this site.

Vigor of species:
____ *excellent*
____ *good*
____ *fair*
__x_ *struggling*

How does the size (area) and vigor of the species compare with previous visits? (please mark only one):
____ *improved*
____ *stable*
__x_ *declining*

Do you have any evidence of human activities at this site? (e.g., trampling, camping). If so, what?
Mowing.

Were there other indications of threats to the site? (e.g., gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?
At least 13 exotic plant species are naturalized in within the potential habitat of *Carex polymorpha* at this site.

Did you take any photographs? (If so, please include) No.

In your opinion, what action, if any, is necessary to protect the sensitive species?
The clumps adjoining the A.T. should be flagged and not mowed.

Did you take any photographs? (If so, please include) No.

In your opinion, what action, if any, is necessary to protect the sensitive species?
Avoid widening the A.T. or Dead Woman's Hollow Road.

Other comments/notes:
If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. This was previously submitted.

Name of Plant Monitor: Larry Klotz
Name of Site: ~~headwaters of Birch Run on South Mountain, Cumberland County, PA, NW of the A.T.~~ Big Flat Barren / ~~Birch Run~~
Date of Visit: 11 July 2004
Time of Visit: early evening
Volunteer Hours: about two
PA-13

Entered 6/16/05

Species (and subpopulation, if applicable): *Carex polymorpha*

Stage of plant development:
____ *(a) in flower*
__x_ *(b) in fruit (berry):* only two fruiting culms were seen.
__x_ *(c) vegetation only:* most of the population.

Timing of visit:
____ *(a) too early - identifiable features of plant not evident*
__x_ *(b) just right - able to identify and count plants* (June would be better for the fertile culms.)
____ *(c) too late - plants past their prime*

How confident are you that you correctly identified the species? Quite.

Number of individuals seen: About 1000 vegetative rosettes (estimated; certainly hundreds).

Do you think you found all the individuals at the site? No.

Area covered by the rare species: See my previous report for this site.

Vigor of species:
__x_ *excellent*
____ *good*
____ *fair*
____ *struggling*

How does the size (area) and vigor of the species compare with previous visits? (please mark only one):
____ *improved*
__x_ *stable*
____ *declining*

Do you have any evidence of human activities at this site? (e.g., trampling, camping). If so, what?
None were observed.

Were there other indications of threats to the site? (e.g., gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? Browsing by deer.

Did you take any photographs? (If so, please include) No.

In your opinion, what action, if any, is necessary to protect the sensitive species?
Maintain the habitat.

entered as this site

not in DB

PA - 21

New Site

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 18 2005
NATIONAL PARK SERVICE

June 10, 2004

1. **Name of Plant Monitor:** Joe Leahy, Kathleen Galvin, Bob Pickett, and Susan
2. **Site Name:** Pine Grove Furnace State Park, Pennsylvania - East of Fuller
3. **Date of Visit**: May 16, 2004 - 10 am to 4 pm
5. **Volunteer Hours:** Travel 16 hours (4 x 4 hours), Survey 24 hours (4 x 6 hours), Survey Total 40 hours.
6. **Photos Taken**: Nodding Trillium in bloom.

good report

entered 6/16/05

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1. **Scientific Name:** *Trillium cernuum L.* **Common Name**: Nodding Trillium or Whip-poor-will flower.
2. **GPS Location of Rare Species:** The site is located near the AT in Pine Grove Furnace State Park in south central Pennsylvania. After the AT passes over the footbridge over the outflow channel of Fuller Lake, it heads southeasterly, using an old railroad bed as the footpath. The AT is about 10 feet wide, utilizing the cinder-coated railroad bed that is 1-3 feet above the natural terrain. On the north side of the AT are the Mountain Creek bottomlands. About 50 yards after crossing the footbridge, on the south side of the AT, a small knoll rises sharply from trail's edge to about 100 feet in elevation. An old dirt road transverses the western side of the knoll from the AT to the top where several cabins are located. The trillium site occupies the northwestern and southeastern facing slopes of the knoll beginning at the trail's edge. As you proceed southeasterly down the AT, the northwest-facing slope of the knoll gradually recedes from the AT on the railroad bed and then turns sharply southeasterly for another 200 ft. Where it turns, the base of the slope is about 35 feet from the trail. There is a shallow ditch between the railroad bed and the base of the slope where water from seeps runs (western most part of Piney Mountain Seeps). The AT is contiguous only at the northern edge of the area. The most southern part of the area is about 300 ft from the AT. The trilliums were found trailside on the railroad bed up to the crest of the northeasterly-facing slopes and on the southeasterly facing slopes from the base to the crest of the knoll. This year, nineteen trillium were discovered on the north side of the trail on the slopes of the railroad bed for the first time. Trillium were found fairly evenly distributed on the sites with a noticeable preference for where they were somewhat protected by shrubs or fallen trees.

The entire area is about 2,000 sq. yards or .41 acres) (1,672 sq meters). We divided it into 4 sites to facilitate counting. The sites are identified as Site 1, 2, 3 and 4. Site 1 – being between the AT and the start of the steep slope of the knoll (This site has the greatest threat from AT trail activities due to its proximity), Site 2 – between the start of the steep slope and the crest of the knoll on the northeast-facing slope, and Site 3 - the southeast-facing slope from the base of the slope to the crest of the knoll. The new site 4 is on the north side of the AT confines to the bank of the old railroad bed. The trillium were never more than 3 feet from the trail's edge. These sites (with the exception of Site 4, are approximately delineated by the Lat/Long coordinates shown in Exhibits 1 and 2 below.

Exhibit 1. Site Reference Points

Site	Reference Points
1	A, C, and D
2	C, D, E, and B
3	C, B, F, and G

Exhibit 2. GPS Lat/long Coordinates (WGS84 Lat/Long)

Reference Points	Latitude	Longitude	Elevation
A	40 01.818'N	077 17.798'W	823ft
B	40 01.809'N	077 17.814'W	934ft
C	40 01.815'N	077 17.798'W	837ft
D	40 01.829'N	077 17.850'W	822ft
E	40 01.820'N	077 17.848'W	843ft
F	40 01.792'N	077 17.822'W	817ft
G	40 01.777'N	077 17.809'W	797ft

3. Was timing of your visit too early or too late to identify and count the rare plant? Timing was about right. Woodland ferns were almost too high to find the trilliums. A little earlier might help with this problem. The original 1998 survey was done on May 17th. The 2002 survey was done 4 days earlier, 2003 was done 1 day later, and 2004 1 day earlier. There were no fruiting stems noted in any of the surveys.

4. Stage of Plant Development: Mostly vegetative: In flower – 46, In fruit (a red berry) – 0, Vegetation only – 544.

5. How confident are you that you correctly identified the species: Very confident (See photos # 1 and #2 of a trillium in flower.) The trillium stems were interspersed with abundant Jack-In-The-Pulpit stems which required careful examination of the vegetative characteristics; e.g., leaf shape, leaf size, and leaf venation to distinguish.

6. Number of Individual Plants Found: (in the range of 501-750) 46 in flower and 544 vegetative for a total of 590 stems. About 8.5% of population was in flower. 0% was in fruit (a red berry). We are very confident (100%) that we counted at least 95% of the individuals at the site.

7. Area covered by the rare species: The entire area is about 2,000 sq. yards or .41 acres) (1,672 sq meters). The 1998 survey appears to have covered only Site 1 and maybe the lower part of Site 2. The 1998 survey described the site as, "EODATA: ...Found on lower position of a n-facing, 45 degree slope, filtered light, moist (mesic) Tomstown formation..." and "GENDESC: Site includes a mesic acidic central forest along the base of a short, steep, wooded slope along the south side of the abandoned railroad bed that is now part of the Appalachian Trail." A decision needs to be made if the 1998 site (Site 1) or the larger area (Sites 1-4) needs to be monitored. I suggest only Site 1 and Site 4 since they are immediately adjacent to the AT.

The count for these areas is:
Site 1: 10 in flower/67 vegetative
Site 2: 13 in flower/177 vegetative
Site 3: 23 in flower/281 vegetative
Site 4 (new): 0 in flower/19 vegetative
Total: 46/544 = 590

8. Vigor of the species: _X_excellent, __good, __fair, __struggling. The vigor appears to be excellent based on the number of stems observed, however, the low number of flowering stems and the lack of stems in fruit may be a concern.

9. How does the size (area) and vigor of the species compare with previous visits? stable The size and vigor appear to be about the same as in 2002-3. The site was also surveyed on May 17, 1998. It appears that the 1998 survey only inventoried the site immediately adjacent to the AT (our Site 1) and did not include all of the northeastern nor southeastern facing slopes of the knoll (Sites 2 and 3). Also it appear Site 4 was not included. The reason for the difference between the size of the area in the 1998 survey (100 sq yards) and the 2002-4 surveys (2,000 sq yards) is that 1998 surveyor may not have detected the trillium growing in Sites 2-4 or not have counted them due to the distance from the trail. The size of the area surveyed undoubtedly affects the total count differences - see Exhibit 3. Survey Comparisons below.

Exhibit 3. Survey Comparisons

	1998	**2002**	**2003**	**2004**
Fruiting	0	0	0	0
Flowering	11	34	42	46
Vegetative Only	50	380	333	544
Total	**61**	**414**	**375**	**590**
%Flowering	*17.0*	*9.0*	*12.6*	*8.5*

The site now appears less vigorous considering the percentage of stems surveyed in bud/in flower. The survey noted "11-50 ramets and genets in 100 sq yard area. Phenology: 100% in leaf, 17% in bud/in flower. Vigor: Normal." This 2002 survey found only 9% in bud/in flower and the 2003 found 12.6% in bud/flower. The 2002 survey was done 4 days earlier than the 1998 survey (May 17), the 2003 was done 1 day later, and 2004 1 day earlier. There were no fruiting stems noted in any of the surveys.

10. Did you see any evidence of human activity at the site (e.g., trampling, camping)? If so, what?

On this site there is a danger from trampling on a faint trail from the cabins on top of the knoll to the pump house at the base of the southeastern slope of the knoll following a 1" water pipe.

11. Were there other indications of threats to the site (e.g., gypsy moth infestation, hemlock woolly adelgid, exotic plants)?

The 1998 survey noted 8 non-native herb and shrub species. We noted more stems of Garlic Mustard (*Alliaria officinalis*) than last year. We pulled a few since they were just beginning to flower. I would take about 16 man hours to pull all the Garlic Mustard on this site. An introduced Barberry shrub (*Berberis thunbergii*?) was present and vigorous. The Hemlock Woolly Adelgid was attacking the hemlocks on the site. The 1988 survey mentions tree falls, browsing by deer, trampling by hikers, competition from other herbs and shrubs.

12. In your opinion, what action, if any, is necessary to protect the sensitive species?

Remove Garlic Mustard next spring. Advise the trail overseer not to cut "weeds" on the south side of the AT near this area.

13. Other comments/notes: None.

NJ

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: _Mark Cirillo_____ **Site Name:** __Maple Hill_____

Volunteer Hours, including travel time: __3 hours____ **Site Number:** (ex. VA-70) _NJ_-_2__

entered 6/15/05

Date of Visit: (ex.06/22/2003) _5 /_30_/_2004_

Did you take any photographs? Yes No X **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) __Streptopus Roseus_____ **Common Name:** _rosy twisted-stalk_____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? __No_____

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? Very confident

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _121_____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_300 x 200___Sq.Ft. _____Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ed McGowan, Science Director, NYNJ Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Larry Wheelock **Site Name:** Breakneck Mt

Volunteer Hours, including travel time: 1.75 hrs **Site Number:** (ex. VA-70) ~~NJ-3~~ NJ-3

Date of Visit: (ex.06/22/2003) 04/27/2004

Did you take any photographs? (Yes) No **If so, please include examples**

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Entered 6/15/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Pinus resinosa **Common Name:** red pine

GPS Location of Rare Species (optional): ~~X~~ = N 41° 12.824 ~~X~~ = W 074° 26.705 **Datum:** (ex. NAD27)

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? OK

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? yes

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 33 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. Approx 2 Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other: One plant near impacted, popular view point - seems OK. - Others are inaccessable

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

None

Competition from other plants: None Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Impacts from visitor use to area increasing - increase visits To moniter

Other Comments / Notes / Maps / Drawings Use Opposite Side

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Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Larry Wheelock **Site Name:** Breakneck Mt

Volunteer Hours, including travel time: 1, 75 hrs **Site Number:** (ex. VA-70) NJ-

Date of Visit: (ex.06/22/2003) 04/27/2004

Did you take any photographs? (Yes) No **If so, please include examp**

APPALACHIAN NATIONAL SCENIC TRAIL
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For each Rare Species found, please complete the following informat

Scientific Name: (if known) Amelanchier Sanguinea **Common Name:** Roundleaf Serviceberry

GPS Location of Rare Species (optional): ~~N~~ 41° 12.704 ~~W~~ 074° 26.647 **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? OK

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? very

Entered 6/15/05

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals Aprox. 100 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

300 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(Improved) Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: Site covers both sides of trail - maintainer mustard trimmings back species - Trail currently unmaintained.

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing: minimal

Competition from other plants: None Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

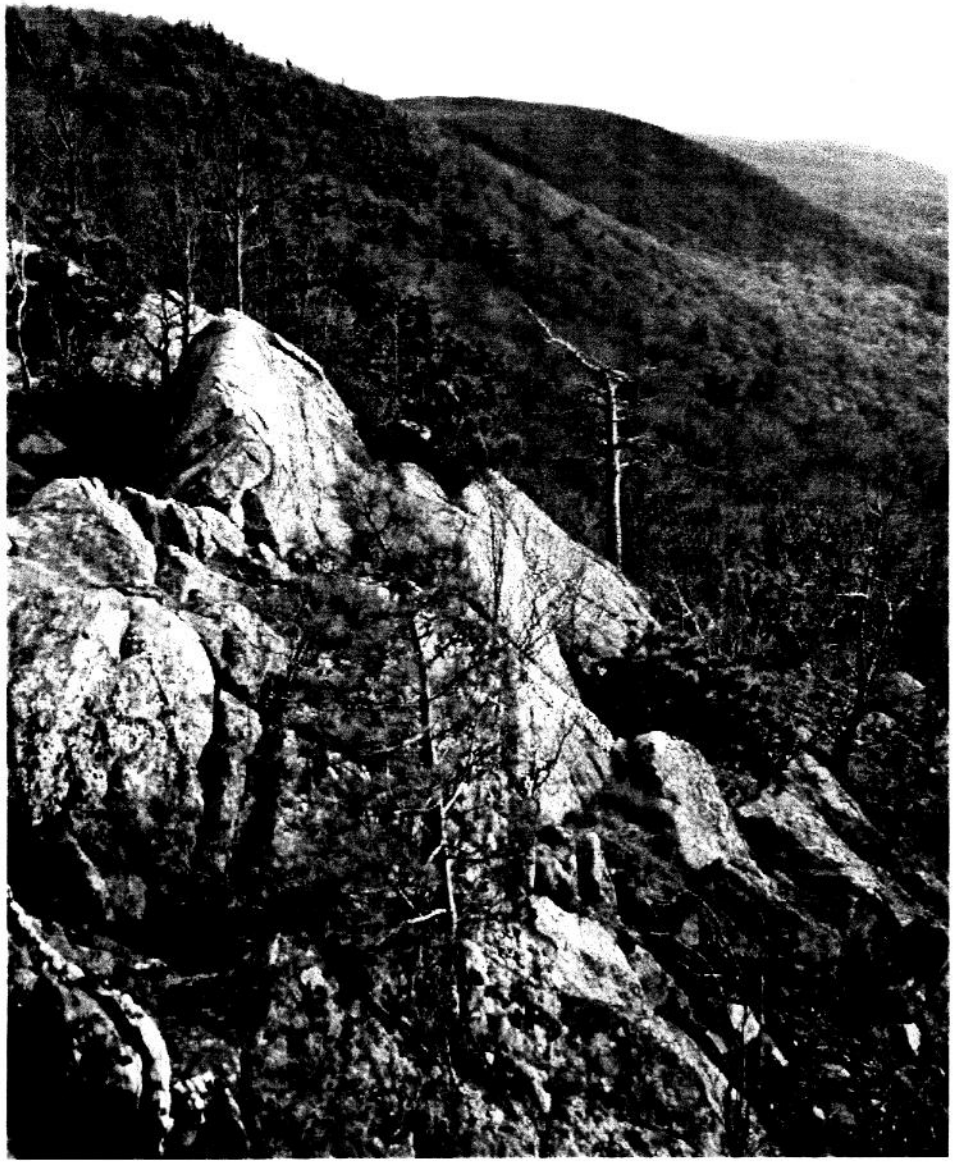
Maintainer (currently none) must be informed of location

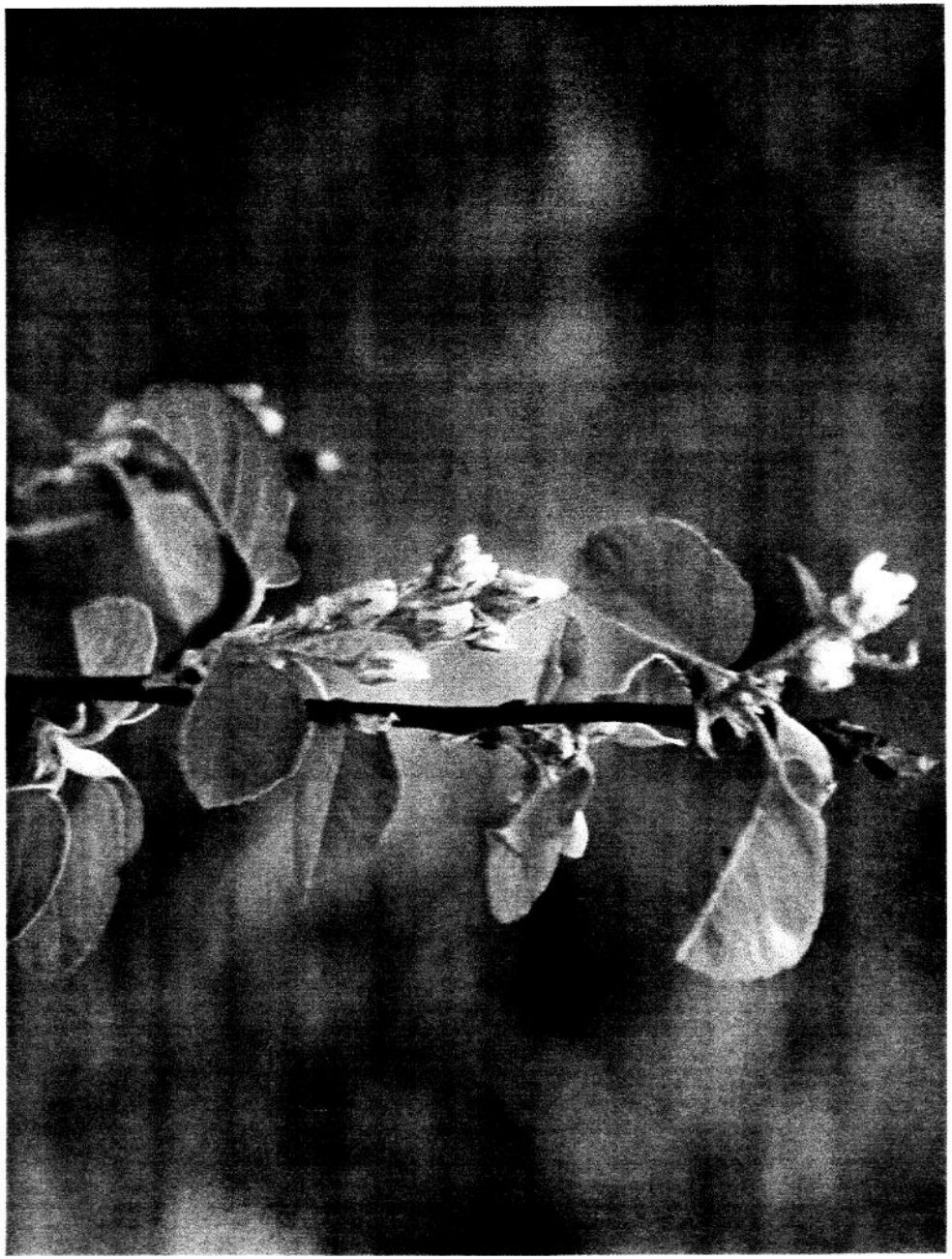
Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

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Below: Pinus resinosa at Pinwheel Vista, Breakneck Mtn site, 04/27/04, 1900 hrs.
Right: Amelanchier Sanguinea, (flowering), Breakneck Mtn. site, 04/27/04, 1830 hrs.
Larry Wheelock





Name of Plant Monitor: G. Petty, M. Katz **Name of Site:** Pochuck Creek Crossing NJ-5

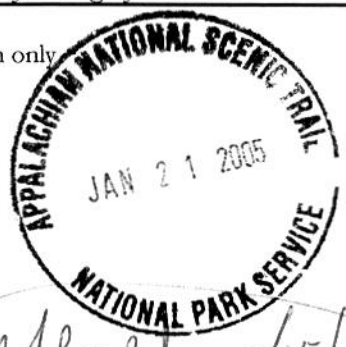
Date of Visit: June 30, 04 **Time of Visit:** 1 p.m.,

Volunteer Hours: 2

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): Anemone virginiana var. riparia

Stage of plant development (please check): ☐ in flower ☒ in fruit (berry) ☐ vegetation only



Timing of visit:
☐ too early-identifiable features of plant not evident
☒ just right-able to identify and count plants
☒ too late-plants past their prime

How confident are you that you correctly identified the species? very

Number of individuals seen: 113

Do you think you found all the individuals at the site? probably; didn't miss many

Area covered by the rare species: 50 yds both sides of trail

Vigor of species: ☒ Excellent ☐ Good ☐ Fair ☐ Struggling

How does the size (area) and vigor of the species compare with previous visits? ☒ Improved ☐ Stable ☐ Declining

(Please only mark one)

entered 6/15/05

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? the trail was muddy from foot traffic in time of unusually heavy rain, but we saw no damaged plants

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? some garlic mustard and barberry, but the anemones are doing well.

Did you take any photographs? (if so please include)

In your opinion, what action, if any, is necessary to protect the sensitive species? keep up the rainfall in June

Other comments/notes: We visited on June 15, but the plants weren't blooming yet.. On June 30, we found about 30% of the plants counted were immature, under 12 inches high, with no evidence of bloom. On the mature plants there were only a few blossoms but lots of fruit. The plants are evenly distributed by number on both sides of the trail, where last year they were more numerous on the north side. The younger plants are on the south side. We've had a very wet spring that continued into June.

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Species (and subpopulation, if applicable): _____

Stage of plant development (please check): ☐ in flower ☐ in fruit (berry) ☐ vegetation only

Timing of visit:
☐ too early-identifiable features of plant not evident
☐ just right-able to identify and count plants
☐ too late-plants past their prime

How confident are you that you correctly identified the species? _____

Number of individuals seen: _____

Do you think you found all the individuals at the site? _____

Area covered by the rare species: _____

Vigor of species: ☐ Excellent ☐ Good ☐ Fair ☐ Struggling

How does the size (area) and vigor of the species compare with previous visits? ☐ Improved ☐ Stable ☐ Declining

(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? _____

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? _____

Did you take any photographs? (if so please include)

In your opinion, what action, if any, is necessary to protect the sensitive species? _____

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New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Other comments/notes:_____

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Please return to: Josh Erdsneker, Volunteer Projects Director,
New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Name of Plant Monitor: G. Petty, M. Katz **Name of Site:** Pochuck Creek Crossing NJ-5
Date of Visit: July 17, 2004 **Time of Visit:** 4 p.m.,
Volunteer Hours: 2

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): Anemone virginiana var. riparia
Stage of plant development (please check): ☐ in flower ☒ in fruit (berry) ☐ vegetation only

Timing of visit:
☐ too early-identifiable features of plant not evident
☒ just right-able to identify and count plants
☒ too late-plants past their prime

entered 6/16/05

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How confident are you that you correctly identified the species? very
Number of individuals seen: 96
Do you think you found all the individuals at the site? probably; didn't miss many
Area covered by the rare species: 50 yds both sides of trail
Vigor of species: ☒ Excellent ☐ Good ☐ Fair ☐ Struggling
How does the size (area) and vigor of the species compare with previous visits? ☒ Improved ☒ Stable ☐ Declining
(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? we saw no damaged plants

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? more than usual low vegetation and shrubs crowding the site, perhaps from frequent rain this spring and early summer. usual infestation of garlic mustard and barberry. .

Did you take any photographs? (if so please include)
In your opinion, what action, if any, is necessary to protect the sensitive species? check carefully next year to see if the invasive plants increase, and the numbers of anemones go down

Other comments/notes: visited on June 25 but the plants weren't blooming yet. counted 75 plants, lots of low undergrowth. On July17, we found about 25% of the plants counted were immature, under 12 inches high, with no evidence of bloom. On the mature plants there were only a few blossoms but lots of fruit. We counted 58 plants on the west side of the trail, and 31 on the east side. We found one healthy mature plant on the south side of the path before the bridge, and 7 very healthy mature plants on the north side of the road, east of the parking area on the way out.

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Species (and subpopulation, if applicable): _____
Stage of plant development (please check): ☐ in flower ☐ in fruit (berry) ☐ vegetation only

Timing of visit:
☐ too early-identifiable features of plant not evident
☐ just right-able to identify and count plants
☐ too late-plants past their prime

How confident are you that you correctly identified the species? _____
Number of individuals seen: _____
Do you think you found all the individuals at the site? _____
Area covered by the rare species: _____
Vigor of species: ☐ Excellent ☐ Good ☐ Fair ☐ Struggling
How does the size (area) and vigor of the species compare with previous visits? ☐ Improved ☐ Stable ☐ Declining
(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? _____

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what? _____

Did you take any photographs? (if so please include)

Please return to: Josh Erdsneker, Volunteer Projects Director,
New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Name of Plant Monitor:	George Petty, Marilyn Katz	**Name of Site:** Pochuck Creek Crossing	NJ-5
Date of Visit:	8/28/04	**Time of Visit:** 12:30 pm.	
Volunteer Hours:	3		

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): agastache nepetoides
Stage of plant development (please check): ☒ in flower ☒ in fruit (berry) ☐ vegetation only

Timing of visit:
- ☐ too early-identifiable features of plant not evident
- ☒ just right-able to identify and count plants
- ☐ too late-plants past their prime

Entered 6/16/05

APPALACHIAN NATIONAL SCENIC TRAIL
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How confident are you that you correctly identified the species? very
Number of individuals seen: 12
Do you think you found all the individuals at the site? yes
Area covered by the rare species: 120 sq. ft.
Vigor of species: ☒ Excellent ☐ Good ☐ Fair ☐ Struggling
How does the size (area) and vigor of the species compare with previous visits? ☒ Improved ☐ Stable ☐ Declining
(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? someone who knew the species has trampled a competing tall species with a square stem, opposite long stemmed toothed leaves 3"-5" green berry fruit on branched stems (horse balm - collinsonia canadensis - I think)

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?yes, the tall species mentioned above is a serious competitor, but the giant yellow hyssop has done well this year anyway.

Did you take any photographs? (if so please include)
In your opinion, what action, if any, is necessary to protect the sensitive species? Put down the competitor

Other comments/notes: We missed this species last year because we didn't have the map with us when we visited.. This year we took the map, and had no trouble finding it. It has multiplied since we first saw it, and is now growing well closer to the trail.

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Species (and subpopulation, if applicable): pedicularis lanceolata
Stage of plant development (please check): ☒ in flower ☐ in fruit (berry) ☒ vegetation only

Timing of visit:
- ☐ too early-identifiable features of plant not evident
- ☒ just right-able to identify and count plants
- ☐ too late-plants past their prime

How confident are you that you correctly identified the species? very
Number of individuals seen: 345
Do you think you found all the individuals at the site? no, we probably missed about 10% more very small plants under the grass and others further from the trail.
Area covered by the rare species: 900 sq. ft, 450 sq. ft. each side of a small footpath to the left of the trail
Vigor of species: ☒ Excellent ☐ Good ☐ Fair ☐ Struggling
How does the size (area) and vigor of the species compare with previous visits? ☒ Improved ☐ Stable ☐ Declining
(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? this small path is overgrown in spots, and thick shrubs fall or arch over the path in places. But somebody besides us comes there because the path is still visible. When we visited, ours were the only boot marks.

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?The forest floor is covered with grasses and small vegetation we can't identify, but the lousewort is doing very well in spite of it.

Please return to: Josh Erdsneker, Volunteer Projects Director,
New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Did you take any photographs? (if so please include)
In your opinion, what action, if any, is necessary to protect the sensitive species? _____

Other comments/notes:_____

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Please return to: Josh Erdsneker, Volunteer Projects Director,
New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Name of Plant Monitor:	George Petty, Marilyn Katz	**Name of Site:** Pochuck Creek	NJ-5
Date of Visit:	9/12/04	**Time of Visit:** 11:30 am.	
Volunteer Hours:	3		

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): gentiana andrewsii
Stage of plant development (please check): ☒ in flower ☐ in fruit (berry) ☐ vegetation only

Timing of visit:
☐ too early-identifiable features of plant not evident
☒ just right-able to identify and count plants
☐ too late-plants past their prime

entered 6/15/05

APPALACHIAN NATIONAL SCENIC TRAIL
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How confident are you that you correctly identified the species? very
Number of individuals seen: 44
Do you think you found all the individuals at the site? no
Area covered by the rare species: 300 sq. ft.
Vigor of species: ☒ Excellent ☐ Good ☐ Fair ☐ Struggling
How does the size (area) and vigor of the species compare with previous visits? ☐ Improved ☒ Stable ☐ Declining
(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what? This small spur trail is obscure and not inviting to hikers, but we found paths trampled to the west of this little trail. I suppose it could have been animal tracks, but it looked more like somebody else looking for the gentians. The paths went right where the gentians grow off the trail. Two tall stalks of the gentians with blooms were trampled on the main path.

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?

Did you take any photographs? (if so please include)
In your opinion, what action, if any, is necessary to protect the sensitive species? _____

Other comments/notes: The forest floor is much thicker with grass and other low vegetation this year. We couldn't see the small plants we were able to count last year. We will return and try another count later in the month. Maybe then we will see the newly seeded plants.

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Species (and subpopulation, if applicable): _____
Stage of plant development (please check): ☐ in flower ☐ in fruit (berry) ☐ vegetation only

Timing of visit:
☐ too early-identifiable features of plant not evident
☐ just right-able to identify and count plants
☐ too late-plants past their prime

How confident are you that you correctly identified the species? _____
Number of individuals seen: _____
Do you think you found all the individuals at the site?
Area covered by the rare species: 1
Vigor of species: ☐ Excellent ☐ Good ☐ Fair ☐ Struggling
How does the size (area) and vigor of the species compare with previous visits? ☐ Improved ☐ Stable ☐ Declining
(Please only mark one)

Did you see any evidence of human activities at this site (e.g. trampling, camping) if so what?

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock woolly adelgid, exotic plants) If so, what?_____

Did you take any photographs? (if so please include)
In your opinion, what action, if any, is necessary to protect the sensitive species? _____

Other comments/notes:_____

Please return to: Josh Erdsneker, Volunteer Projects Director,
New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Please return to: Josh Erdsneker, Volunteer Projects Director,
New York – New Jersey Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

entered 6/15/05

Name of Monitor: Sandy Parr **Site Name:** NJ-3, Breakneck Mountain

Volunteer Hours, including travel time: 7 **Site Number:** (ex. VA-70) NJ - 3

Date of Visit: (ex.06/22/2003) 04 / 25 / 04

Did you take any photographs? Yes No X **If so, please include examples**

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For each Rare Species found, please complete the following information:

Scientific Name: (if known) Gymnocarpium dryopteris **Common Name:** Oak Fern

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Too Early

Stage of Plant Development: (circle) Just beginning to unfurl. in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? 75%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 5 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

10 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) **X** Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:None

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other: None

In your opinion, what action, if any, is necessary to protect the sensitive species? None.

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ed McGowan, Science Director, NYNJ Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Scientific Name: (if known) Carex deweyana **Common Name:** Dewey's Sedge

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) ____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Too Early

Stage of Plant Development: (circle) in flower in fruit (berry) X vegetation only

How confident are you that you correctly identified the species? Not at all.

entered 6/15/05

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

Individuals None 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____**Sq.Ft.** _____**Acres**

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Scientific Name: (if known) Lonicera canadensis **Common Name:** Fly-Honeysuckle

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? On Time

Stage of Plant Development: (circle) X in flower in fruit (berry) vegetation only

How confident are you that you correctly identified the species? 100%

entered 6/15/05

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals About 50 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) X Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved X Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:None

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other: None

In your opinion, what action, if any, is necessary to protect the sensitive species? OK.

Scientific Name: (if known) Clamatis occidentalis **Common Name:** Purple Clamatis

entered 6/15/05

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? **Too Early**

Stage of Plant Development: (circle) **in flower** **in fruit (berry)** **X vegetation only**

How confident are you that you correctly identified the species? This one looked like C.virginiana

Number of Individual Plants Found: **(Please count individuals, otherwise, if over 100, circle appropriate estimate)**

#Individuals 1 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: **(Fill in the most applicable measurement)**

0.25 **Sq.Ft.** _____ **Acres**

Vigor of Species: **(circle one)** Excellent Good Fair X Struggling

How does the size and vigor of the population compare with your last visit? **(circle one)**

Improved X? Stable Declining

Do you see any evidence of human activity at the site? **(Circle all that apply)**

Trampling Camp Site Trail Maintenance Collection ATV

Other:None.

Were there any other threats to the site? **(Please List if known)**

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other: None

In your opinion, what action, if any, is necessary to protect the sensitive species?

Scientific Name: (if known) Adlumia fungosa **Common Name:** Allegheny Vine

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Too Early

Stage of Plant Development: (circle) in flower in fruit (berry) vegetation only
Not up yet.

entered 6/15/05

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
#Individuals None 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
_____Sq.Ft. _____Acres

Vigor of Species: (circle one) Excellent Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)
Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site Trail Maintenance Collection ATV
Other:

Were there any other threats to the site? (Please List if known)
Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

NY

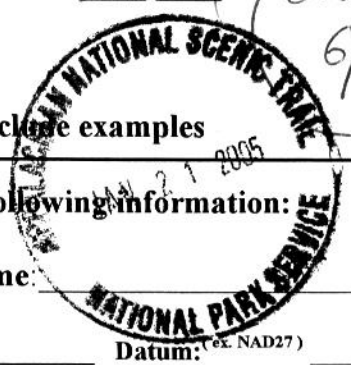
Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: MICHAEL HEEDLEMAN **Site Name:** BUCHANAN MT.

Volunteer Hours, including travel time: 2 **Site Number:** (ex. VA-70) NY-04 Entered 6/15/05

Date of Visit: (ex.06/22/2003) 09/02/04

Did you take any photographs? Yes No **If so, please include examples**



For each Rare Species found, please complete the following information:

Scientific Name: (if known) LECHEA RACEMULOSA **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? JUST RIGHT

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? COMPLETELY

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 12 CLUMPS 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

30 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? NONE
THEY ARE LOCATED AT A VIEW POINT BUT SEEM TO BE DOING FINE SO FAR.

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ed McGowan, Science Director, NYNJ Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: MICHAEL NEEDLEMAN **Site Name:** BUCHANAN MT.

Volunteer Hours, including travel time: 2 **Site Number:** (ex. VA-70) ____-____ NY-04

Date of Visit: (ex.06/22/2003) 05/10/04

Did you take any photographs? Yes (No) **If so, please include examples**

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 21 2005
NATIONAL PARK SERVICE

For each Rare Species found, please complete the following information:

Scientific Name: (if known) CORYDALIS FLAVULA **Common Name:** _____

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? JUST RIGHT

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? COMPLETELY

Entered 6/15/05

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 11 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

30 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved Stable (Declining)

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: SOME PLANTS DIRECTLY ON TRAIL.

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

MOST OF THE PLANTS ARE OFF THE TRAIL BY A FEW FEET SO THEY SHOULD BE SAFE.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ed McGowan, Science Director, NYNJ Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Georgette Weir **Site Name:** ~~NY 19~~ Cat Rocks

Volunteer Hours, including travel time: 6 **Site Number:** (ex. VA-70) NY - 18



Date of Visit: (ex.06/22/2003) 08 /09/ 04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Lechea Racemulosa **Common Name:**

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? Just right

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

entered 6/15/05

How confident are you that you correctly identified the species?

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals (stems) 101 - 250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

approx 40- scattered Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) (Camp Site) (Trail Maintenance) Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: unknown grasses/ sedges Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other Comments / Notes / Maps / Drawings Use Opposite Side
Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Ed McGowan, Science Director, NYNJ Trail Conference, 156 Ramapo Valley Road, Mahwah, NJ 07430

CT

① – 2004

entered 6/15/05

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: PAUL PALMER **Site Name:** BEAR MOUNTAIN

Volunteer Hours, including travel time: WK – 5 / TV – 3 } 8 **Site Number:** (ex. VA-70) CT - 01

Date of Visit: (ex.06/22/2003) 05/14/2004 FIRST REPORT THIS SEASON (I.E. NOT FINAL)

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) POTENTILLA TRIDENTATA **Common Name:** THREE-TOOTHED CINQUEFOIL

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit (*Too Early*) **to identify and count the rare plant?** *Too Late*? _____

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only) UNDEVELOPED BUT PROMINENT

How confident are you that you correctly identified the species? CONFIDENT

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

TWO GROUPS @ 50 INDIVIDUALS ON SOUTH FACE, 5 GROUPS @ 75 ON SUMMIT

#Individuals _____ 101 - 250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

SEVEN – EACH APPROX 3 – 5 Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: NEARNESS TO TRAIL BED – BUT NO IMPAIRMENT NOTED

Were there any other threats to the site? (Please List if known)

Insects: No Invasive/Exotic Plants: No Animal Browsing: No

(Competition from other plants:) Other:

ADJACENT MATS OF LAMBUSH BLUEBERRY, PITCH PINE, SCRUB OAK

In your opinion, what action, if any, is necessary to protect the sensitive species?

NONE AT THIS TIME

(Other Comments / Notes / Maps / Drawings Use Opposite Side)

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Paul Palmer, 40 Oleson Road, Southbury, CT 06488-2440

PPalmer

CT-01: ACIDIC ROCKY SUMMIT OUTCROP COMMUNITY

I TREES & SHRUBS

- PITCH PINE (PINUS RIGIDA) – PROMINENT BLOSSOMS, GOOD HEALTH.
- SCRUB OAK (QUERCUS ILICIFOLIA) – LEAVES JUST EMERGING.
- GREY BIRCH (BETULA POPULIFOLIA) – NOT IN LEAF OR MINIMALLY.
- SHADBUSH (AMELANCHIER ARBOREA) – GLORIOUSLY IN BLOOM. (WHITE)
- LOWBUSH BLUEBERRY (VACCINIUM AUGUSTIFOLIUM) – ABUNDANT YELLOW BLOOM
- SARSAPARILLA (ARALIA NUDICAULIS) – LEAVES OUT, UNDER BLOOM NOT OPEN.
- HAIR GRASS (DESCHAMPSIA FLEXUOSA) – PROMINENT CLUMPS IN TRAIL BED WHICH RESEMBLES SEDGES.

II WILD FLOWERS – LOCATED IN ACID SEEPS AT EAST BASE OF SUMMIT CONE TYPICAL OF THE ENVIRONMENT, BUT NOTEABLE.

- TRAILING ARBUTUS (EPIGAEA REPENS) – PAST BLOOMING AND SLIGHTLY DISSICATED BUT HEALTHY @ FOUR OCCURENCES OF 10–25 INDIVIDUALS DIRECTLY ALONG TRAIL BED IN SUNNY EXPOSURES.
- FRINGED POLYGALA (POLYGALA PAUCIFOLIA) – TWO INDIVIDUALS IN BLOOM – RED/PINK COLOR – FOUR OTHERS UNDEVELOPED. LESS PROSPEROUS THAN LAST YEAR
- ROUNDLEAF HEPATICA (H. AMERICANA) – 6–8 LEAVES ONLY, DECLINING OCCURENCE FROM PRIOR VISITS DUE TO CROWDING BY BARBERRY.
- WOOD BETONY (PEDICULARIS CANADENSIS) – FIVE INDIVIDUALS IN SEEP, WITH PRE-BLOOMING COLORATION. ALSO DECLINING FROM MECHANICAL DISTURBANCES – POSSIBLY REMOVALS – SINCE LAST YEAR.

5-14-04

#(2) - 2004

entered 6/15/04

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: PAUL PALMER **Site Name:** BEAR MOUNTAIN

Volunteer Hours, including travel time: WK-6 / TVL.-3 } 9 **Site Number:** (ex. VA-70) CT-01

Date of Visit: (ex.06/22/2003) 6/12/2004 SECOND REPORT THIS SEASON (FINAL)

Did you take any photographs? (Yes) No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) POTENTILLA TRIDENTATA **Common Name:** THREE-TOOTHED CINQUEFOIL

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? JUST RIGHT

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only
ABUNDANT & HEALTHY BLOOMS

How confident are you that you correctly identified the species? CONFIDENT

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)
(SAME AS 5-14-04 REPORT) TWO GROUPS @ 50 INDIVIDUALS ON SOUTHFACE, 5 GROUPS @ 75 ON SUMMIT

#Individuals _____ 101 - 250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)
SEVEN SITES - EACH APPROX 3-5 Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling
ABUNDANT DARK GREEN FOLIAGE, PROMINENT WHITE BLOOMS (MANY)

How does the size and vigor of the population compare with your last visit? (circle one)
Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)
Trampling Camp Site Trail Maintenance Collection ATV
Other: IN OR NEAR TRAIL BED - BUT NO NOTED IMPACT FROM TRAVEL.

Were there any other threats to the site? (Please List if known)
Insects: NO Invasive/Exotic Plants: NO Animal Browsing: NO

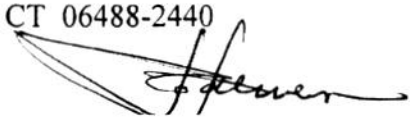
(Competition from other plants:) Other:
ADJACENT MATS OF LOWBUSH BLUEBERRY ACCELLERATING ITS SPREAD INTO HABITAT SINCE MAY REPORT - ESPECIALLY ON SUMMIT

In your opinion, what action, if any, is necessary to protect the sensitive species?
ON SUMMIT GRAVEL BEDS - GRUB BACK INTRUDING BLUEBERRY

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Paul Palmer, 40 Oleson Road, Southbury, CT 06488-2440



CT. -01 : ACIDIC ROCKY SUMMIT OUTCROP COMMUNITY

I TREES & SHRUBS (ACID SUMMIT)

ESSENTIALLY UNCHANGED SINCE MAY 14TH REPORT WITH EXCEPTION OF SEVERAL UNEXPECTED NEW SASSAFRAS SEEDLINGS ON SOUTH SLOPE.

II WILDFLOWERS (ACID SEEPS)

- SAME AS MAY REPORT, WITH THE ADDITION OF THREE OCCURENCES OF OXALIS MONTANA ON "BEE-LINE" TRAIL FROM SUMMIT AND AT BROOK CROSSING @ AMC NORTHWEST CABIN SITE. POPULATION HEALTHY AND NOT THREATENED.
- UNABLE TO FIND CAREX NOVAE-ANGLIAE SEDGE OCCURENCES ON NORTH SLOPE.

C Palmer 6-12-04

PHOTO # 1 – TYPICAL OF SOUTH & NORTH FACE OCCURENCES
BEAR MOUNTAIN 6-17-04
POTENTILLA TRIDENTATA



POPULATIONS HEALTHY IN TRAIL BED AND AREAS
NOT DOMINATED BY LOWBUSH BLUEBERRY

Palmer

PHOTO #2 – SHOWING COMPETITION WITH LOW BUSH BLUEBERRY ON BEAR MOUNTAIN SUMMIT 6-12-04.

POTENTILLA TRIDENTATA



POPULATIONS ON GLACIAL OUTWASH ARE THREATENED UNLIKE THOSE IN TRAIL BED.

NOTE SPECIMENS BLOOMING THROUGH INVASIVE COVER AT BOTTOM CENTER AND MID-RIGHT NEAR HIKING STAFF.

J. Palmer

Kent

CT-03 Lion's Head Natural Heritage Site, Salisbury, CT

Doug Christie's report to Paul Palmer, dated 5/26/04

Paul – Greetings!

Here is the abbreviated report I promised you. Sorry I'm not keeping up to well these days but will at least try to stay in touch.

Did take a check after the workshop on April 7.

No sign of our raven and no sign of use at nest sites.

3-toothed cinquefoil leaves were up on two highest plants, healthy and green. No blossoms yet.

Visited again on May 9.

Came down from Riga Junction. Heard the raven once as he flew over but well north of Lion's Head. Site at Lion's Head untouched, no sign of use and no sign of raven. Looks like he has moved out to a location elsewhere with less people around. Saddened; I'll miss them!

Cinquefoil doing OK. More plants in leaf but theose in tread slower to appear. No blossoms yet.

Removed 2 white pine trees to keep theridge from growing in. Should help for a while. Harlan [Jessup] kept me company and brought his chain saw.

Was good to see you. You did a nice job [at the workshop].

Doug

DOUG'S REPORT @ CT-03 (LIONS HEAD)

Douglas Christie
11 Colton Rd
West Hartford, CT 06107-3314

5/26/04

Paul - Greetings!

Here is the abbreviated report I promised you. Sorry I'm not keeping up to well these days but will at least try to stay in touch.

Did two early efforts mid-April on April 7.

No sign of our raven and no sign of use at nest sites.

3 twisted cinquefoil leaves near up on two biggest plants, healthy and green. No blossoms yet.

Visited again on May 9

Came down from Riga Junction. Heard the raven once as he flew over but will north of Lions Head. Still at Lions Head unattended, no sign of use and no sign of ravens. Looks like he has moved out to a location elsewhere with less people around. Saddened; I'll miss them!

Cinquefoil doing OK. More plants in leaf but those in bud slower to appear. No blossoms yet.

Removed 2 white pine trees to keep the ridge from growing in. Shoulder aches for a while. Harlan kept me company and brought his chain saw.

Was good to see you. You did a nice job!

Doug.

ATC file cc Paul Palmer ✓ Kent CT NEWFS AMC

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: SALLEY DECKER **Site Name:** GLACIER ROCK

Volunteer Hours, including travel time: 3½ x 2 = 7 HRS **Site Number:** (ex. VA-70) CT-12

Date of Visit: (ex.06/22/2003) 6/06/04 & 6/28/04

Did you take any photographs? Yes (No) **If so, please include examples**

entered 6/15/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) OXALIS VIOLACEA **Common Name:** VIOLET WOOD SORREL

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? TOO LATE
A BOTANIST VISITED SITE IN LATE MAY (NOTED FLOWERING THEN)

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? I DID NOT IDENTIFY THE SPECIES ON THE FIRST TRIP, BUT I DID IDENTIFY IT ON 6/28/04

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals ± 300 101 - 250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

6 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good+) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one) 1ST VISIT

Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: SITE IS ADJACENT TO TRAIL

Were there any other threats to the site? (Please List if known) NONE KNOWN

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? NOTHING NOW
A SCREE WALL WAS PUT AROUND AREA. CONSIDER TRAIL RELO IF NECESSARY IN FUTURE

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: ATC-NERO
PO BOX 312
LYME, NH 03768

cc. Paul Palmer
40 Oleson Rd
Southbury, CT 06488

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form MASS.

Name of Monitor: COSIMO CATALANO **Site Name:** PAUL BUNYAN [illegible] Raine

Volunteer Hours, including travel time: 1 **Site Number:** (ex. VA-70) ___ - ___ MA-06

Date of Visit: (ex.06/22/2003) 5/16/04

Did you take any photographs? Yes (No) **If so, please include examples**

APPALACHIAN NATIONAL SCENIC TRAIL JAN 10 2005 NATIONAL PARK SERVICE

entered 6/15/05

For each Rare Species found, please complete the following information:

Scientific Name: (if known) HYDROPHYLLUM [illegible] **Common Name:** [illegible]

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? NO

Stage of Plant Development: (circle) in flower in fruit (berry) (vegetation only)

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ (101 - 250) 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

Trampling Camp Site Trail Maintenance Collection ATV

Other: ONGOING STUDY BY SMITH COLLEGE. REPORTED 5/03

Were there any other threats to the site? (Please List if known)

(Insects:) SLUGS Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: NETTLE Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? NO NEW ACTION

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: AMC, 964 South Main St., Great Barrington, MA 01230

MA-09

APPALACHIAN NATIONAL SCENIC TRAIL
JAN - 0 2005
NATIONAL PARK SERVICE

Name of Plant Monitors: **Tom and Kate Leary** Name of Site: **GREYLOCK SUMMIT #9**

Date of Visit **AUGUST 29, 2004** Time of Visit: **About 10:15 AM**

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Entered 6/15/05

Species (and subpopulation, if applicable): **Amelanchier bartramiana (BARTRAM'S SHADBUSH)**

State of plant development: a. in flower b. in fruit (berry) **c. vegetation only**
Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime
How confident are you that you correctly identified the species? **YES. We have observed this plant before when in flower, and with Ted Elliman.**

Number of individuals seen: **One bush only**
Do you think you found all the individuals at the site? **We have never had time to search the whole summit for additional specimens, but there may be others.**
Area covered by the rare species:
Vigor of species: __**X**___**excellent,** _____good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
____improved, __**X**___**stable,** _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? **NO**

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **NONE**

Did you take any photographs? (If so, please include) **YES**
In your opinion, what action, if any, is necessary to protect the sensitive species? **NO**

Other comments/notes: **This plant flowers around May 20 and produces berries in early summer so it is best observed in May or June before birds have eaten the berries.**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

This occurrence is directly to the left of the large stone marker with the quotation by John Bascom, as you stand reading the sign, on the path leading to Bascom Lodge from the main parking lot.

GPS 001

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 2005
NATIONAL PARK SERVICE

Name of Plant Monitors: **Kathryn and Tom Leary** Name of Site **GREYLOCK SUMMIT**

Date of Visit **August 29, 2004** Time of Visit: **9:45 AM**

For each rare species (or subpopulation, if applicable) found, please complete the following information:

entered 6/15/05

Species (and subpopulation, if applicable) **Sorbus decora (Northern Mountain Ash)**

State of plant development: a. in flower **b. in fruit (berry)** c. vegetation only
About 12 flat topped clusters of berries on each specimen. Berries are just turning orange. (Berries on other Mountain Ash nearby are larger and ripe now.)

Timing of visit:
a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime

How confident are you that you correctly identified the species? **YES**

Number of individuals seen: **TWO SPECIMENS**
Do you think you found all the individuals at the site? **YES**
Area covered by the rare species: **About 16' x 8'**
Vigor of species: _____excellent, _____**good**, _____fair, _____struggling (**One specimen is aging; one is very healthy.)**
How does the size (area) and vigor of the species compare with previous visits? **See above.**
____improved, _____**stable**, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? **NO**

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **NO**

Did you take any photographs? (If so, please include) **YES**
In your opinion, what action, if any, is necessary to protect the sensitive species? **NOTHING**

Other comments/notes:

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

These two specimens occur on the north side of the main parking lot opposite the large stone with the quotation by John Bascom on it. It is just over the wall.

GPS 002

please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

Name of Plant Monitors: **Tom and Kate Leary**_____Name of Site **Greylock Summit #9**__
Date of Visit_**August 29, 2004**_____Time of Visit: **9:15 AM**_____

entered 6/15/05

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable)**Dryopteris campyloptera (Mountain Woodfern)**_____
State of plant development: a. in flower b. **in fruit** (berry) c. vegetation only
Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime
How confident are you that you correctly identified the species? **Quite sure**

Number of individuals seen: **About 50 (hard to count individuals!)**
Do you think you found all the individuals at the site? **Yes, at this particular site.**
Area covered by the rare species: **26' x 15'**
Vigor of species: __**X**__**excellent**, _____good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
____improved, ___**X** __ **stable**, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping).**NO** If so, what?

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **NO**

Did you take any photographs? (If so, please include) **YES**
In your opinion, what action, if any, is necessary to protect the sensitive species? **NO**

Other comments/notes: **The ferns are beginning to turn reddish brown at this time of year. This is a good time to monitor them as the color stands out.**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. **THIS POPULATION being monitored is about 50' East of the Thunderbolt Shelter, to the right side of the AT, going downhill, beneath a Mountain Ash tree and around it.**

(There is another population of about 14 scattered clumps, not reported before to my knowledge, on the Robinson Point trail, about 150 feet down on the right side.)

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

Name of Plant Monitors:_**Kathryn and Tom Leary**__Name of Site: _**Mt. Greylock Summit, #9**
Date of Visit__**August 29, 2004**_Time of Visit:_**10:30 AM**_____

entered 6/15/05

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable) ***Population #2*** **Lazula parviflora (Black Fruited woodrush)**_

POPULATION # 2 ON THE ROBINSON POINT TRAIL NOT FOUND.
State of plant development: a. in flower b. in fruit (berry) c. vegetation only

Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime
How confident are you that you correctly identified the species?

Number of individuals seen:
Do you think you found all the individuals at the site? **Probably not.**
Area covered by the rare species:
Vigor of species: __excellent, _____good, _____fair, _____struggling
How does the size (area) and vigor of the species compare with previous visits?
____improved, ___ _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what?
The plants grow right alongside the trail…the only place not covered by other vegetation!

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what

Did you take any photographs? (If so, please include) **Not found**

In your opinion, what action, if any, is necessary to protect the sensitive species? **Look around June 15 before the ferns and goldenrods are flourishing.**

Other comments/notes: **This species may be more conspicuous in June before the woodferns and goldenrods are out. But May is too early.**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. **This population #2 was found in 2002 on the Robinson Point trail, about 90 paces (200') down the hill from the road, just below the last *natural stone "steps"* on the left side of the trail, just before the white mandarin on the right side.**

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

Entered 6/15/05

Name of Plant Monitors: **Kathryn and Tom Leary** Name of Site: **Mt. Greylock Summit, #9**
Date of Visit **August 29, 2004** Time of Visit: **9:30 AM**

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable) ***Population #1*** **Lazula parviflora (Black Fruited woodrush)**
State of plant development: a. in flower **b. in fruit (berry)** c. vegetation only
Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime
How confident are you that you correctly identified the species? **Reasonably sure. Plants looked like picture. I dissected one fruit which had three carpels and three petals and sepals each.**
Number of individuals seen: **About 25 clumps**
Do you think you found all the individuals at the site? **Probably not.**
Area covered by the rare species: **25 feet x 8" strip**
Vigor of species: **X excellent**, _____good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
____improved, **X stable**, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what?
The plants grow right alongside the trail...the only place not covered by other vegetation!
Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **Since they seem to flourish alongside the trail, I see no other threats unless it is the heavy growth of woodfern and goldenrod. I suspect there are more of the woodrush among these.**

Did you take any photographs? (If so, please include) **yes**
In your opinion, what action, if any, is necessary to protect the sensitive species? **No action required.**

Other comments/notes: **This species may be more conspicuous in June before the woodferns and goldenrods are out. But May is too early.**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. **This species moves about so the vicinity is approximate: Heading NORTH on the AT, beginning at the edge of the road, go about 500' downhill to 3 *old birch* trees in a clump in the trail. About 100 paces further, about 10' from a large stone water bar and opposite a large old cherry tree to the side, begin to look for the population of black-fruited woodrush on the west side of the trail. (GPS reading 005 (Give or Take 50').**

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

entered 6/15/05

Name of Plant Monitors: **Tom and Kate Leary**_____Name of Site **GREYLOCK SUMMIT # 9**_

Date of Visit **AUGUST 29, 2004**_____Time of Visit: **9:15 AM**_____

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable):_**Vaccinium vitis-idaea L. ssp. Minus (Lodd.) Hult. (MOUNTAIN CRANBERRY)**

State of plant development: a. in flower **b. in fruit (berry)** c. vegetation only
Fruiting on older growth.

Timing of visit:
a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime

How confident are you that you correctly identified the species? **YES**

Number of individuals seen: **ABOUT 5 clumps, may be connected**
Do you think you found all the individuals at the site? **YES**
Area covered by the rare species: **About 3' at tallest end; about 6 feet wide, tapering to about 5" high.**
Vigor of species: **__x__excellent,** _____good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
__X__improved, _____stable, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? **NO**

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **The Labrador Tea plant is covering much of the plant. Is it helping to protect it? Should it be pruned a bit? Also, we pulled encroaching bedstraw and grass and recut a Red Maple seedling that had been cut prior.**

Did you take any photographs? (If so, please include) **yes**
In your opinion, what action, if any, is necessary to protect the sensitive species? **Should the Labrador Tea be cut back or not?**

Other comments/notes: **Plant is flourishing!**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence. **From the parking lot, walk north on the AT, going down the mountain toward Thunderbolt Cabin. Turn right on the *ROAD*, and walk about 175 paces (350'). The site is between the first and second culverts, at the base of a large stone outcropping, beneath and to the right of a large clump of Labrador Tea (Ledum groenland). Several spruces are to the right of the rock outcropping. If you come to a spruce on the LEFT side of road going down, you have gone past the site.**

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

entered 6/15/05

Name of Plant Monitors: **Tom and Kate Leary** Name of Site **GREYLOCK #9**

Date of Visit: **AUGUST 19, 2004** Time of Visit: **9:00 AM**

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): **Milium effusum (MILLET GRASS)**

State of plant development: a. in flower b. **in fruit** (berry) c. vegetation only

Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. **too late** - plants past their prime **(SEE COMMENTS)**
How confident are you that you correctly identified the species? **YES**

Number of individuals seen: **About 12**
Do you think you found all the individuals at the site? **NO. SEE COMMENTS.**
Area covered by the rare species:
Vigor of species: _____excellent, ___**X**__**good**, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
____improved, _____stable, ___**??**__**declining** (Please mark only one.)

Did you see any evidence of human activities at this site? **NO** (e.g. trampling, camping). If so, what?

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **SEE COMMENTS**

Did you take any photographs? (If so, please include) **YES**
In your opinion, what action, if any, is necessary to protect the sensitive species? **WE NEED TO OBSERVE AGAIN IN EARLY JUNE TO SEE IF POPULATION IS AFFECTED SINCE 2003.**

Other comments/notes:
Observing in August, as opposed to May or June, there are large populations of Jewel Weed, Thalictrum, Aster and Goldenrod species that are not out when we observe in spring. The Millet Grass population may still be present in large numbers but not visible under these circumstances. If next spring's observation shows a declining population, then I (Kate) recommend that we thin out these other species.

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Park at the parking area at the intersection of Notch and Rockwell Roads. Walk from the intersection about 200' north on Rockwell Rd. (to summit). Population is on east side of road, north and south of two Sugar Maple trees growing close together.

GPS 006 (Give or take 50')

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

Name of Plant MonitorS: **Kathryn and Tom Leary** Name of Site **GREYLOCK SUMMIT, #9**

Date of Visit **August 29, 2004** Time of Visit: About **10:45 AM**

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): **Solidago macrophylla Pursh (LARGE-LEAFED GOLDENROD)**

State of plant development: **a. in flower** b. in fruit (berry) c. vegetation only

entered 6/15/05

Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime

How confident are you that you correctly identified the species? **YES**
Number of individuals seen: **About 20 plants in flower**
Do you think you found all the individuals at the site? **Probably NOT**
Area covered by the rare species: **About 30 feet x 40 feet**
Vigor of species: ___**X**__**excellent**, _____good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits? **See comments**
____improved, ___**X_stable**, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? **NO**

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? **NO**

Did you take any photographs? (If so, please include) **YES**
In your opinion, what action, if any, is necessary to protect the sensitive species? **NONE**

Other comments/notes: **This is the first time I have observed the plants in flower and they are NOT growing beneath the Amelanchier bertramiana! In early spring, when only basal leaves are visible, there may have been some confusion with aster leaves that are growing under the A. bertramiana. The plants are unmistakable when in flower and late August is clearly the best time to monitor them.**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

THIS population occurs in the area from behind the large stone with Bascom quotation on it and east to about the 2nd parking space and some 20 feet back of the pavement. GPS 001

ANOTHER LARGER POPULATION of some 45 plants occurs on either side of the Robinson Point Trail after the first 150 feet for some 300 feet down. It is not a rare plant on the Mountain and easily visible this time of year.

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

entered 6/15/05

Name of Plant Monitors: **Tom and Kate Leary**_____Name of Site _**Greylock Summit, #9**

Date of Visit **August 28,2004**_____Time of Visit: **10:30 AM** _____

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): **Streptopus_amplexifolius (L.) DC. Var. americanum Schultes) (White Mandarin)** _____
State of plant development: a. in flower b. in fruit (berry) c. vegetation only
Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. **too late - plants past their prime**
How confident are you that you correctly identified the species? **PLANTS NOT FOUND IN AUGUST**

Number of individuals seen:
Do you think you found all the individuals at the site?
Area covered by the rare species:
Vigor of species: _____excellent, _____good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
____improved, _____stable, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? **NO**

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what?

Did you take any photographs? (If so, please include)
In your opinion, what action, if any, is necessary to protect the sensitive species? **NO**

Other comments/notes: **This plant needs to be monitored about May 20th. Clintonia and Streptopus rosea and ferns at this site, too. (Streptopus rosea not visible this time either.)**

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.
Park the car on Notch Road, at parking spot on the left-hand side of road going north, *to the left* of the Robinson Point trailhead, which is a few feet beyond the Overlook Trail sign that is on the right side of the road.

Walk down the trail about 90 paces (200'), just past the last *stone ledge "steps"*. The Streptopus amplexifolius plants are on the right side of the trail, nearly under an old unhealthy spruce tree.

GPS 007

Please return to:
Ted Tetlow, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 2005
NATIONAL PARK SERVICE

Milium effusum (Millet Grass) Frames 058, 059
Vaccinium vitis-idaea L. ssp. Minus (Lodd.) Hult. Frames 060
Lazula parviflora (Black Fruited Woodrush), Population #1 Frames 062, 063
Dryopteris campyloptera (Mountain Woodfern) Frame 064
Sorbus decora (Northern Mountain Ash) Frames 065, 066, 067
Amelanchier bartramiana (Bartram's Shadbush) Frame 069
Solidago macrophylla Pursh (Large-Leafed Goldenrod) Frames 072, 073, 075
PHOTOGRAPHS OF MT. GREYLOCK SITE #9, AUGUST 29, 2004

Alice Has the disc.

MA-22

Name of Plant Monitor: Diane Crowell Name of Site Site 22 Hop Brook at Mass

Date of Visit 7-6-04 Time of Visit: 2:00 pm

APPALACHIAN NATIONAL SCENIC TRAIL
JAN 3 2005
NATIONAL PARK SERVICE

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): Tuckerman's Sedge

State of plant development: a. in flower b. in fruit (berry) c. vegetation only

Timing of visit: a. to early - identifiable features of plant not evident
b. just right - able to identify and count plants
c. too late - plants past their prime

How confident are you tht you correctly identified the species? 80% specimen enclosed

Number of individuals seen:

Do you think you fund all the individuals at the site? maybe not

Area covered by the rate species:

Vigor of species: ✓ excellent, _____ good, _____ fair, _____ struggling

entered 6/15/05

How does the size (area) and vigor of the species compare with previous visits?
_____ improved, _____ stable, _____ declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? NO

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? NO

Did you take any photographs? (If so, please include)

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other comments/notes: I had difficulty knowing hooked or tuckermans. I believe this is tuckermans. there was one very large area maybe 30'x20' + 3-4 smaller areas about 5'x5' All were healthy

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

the large area was to left of trail 2/3 across meadow about 10' off trail

one smaller area about 10' off trail to Left about 1/3 into meadow

one smaller area about 20' to Right off trail about 1/2 into meadow

one on L about 20' to left off trail

Please return to:

Ted Weber, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

Name of Plant Monitor: Diane Crowell Name of Site Site zz Hop Brook at Main Rd

Date of Visit 7-6-04 Time of Visit: 2:00pm

For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): hooked sedge

State of plant development: ~~a. in flower~~ b. in fruit (berry) c. vegetation only

Timing of visit: a. to early - identifiable features of plant not evident
~~b.~~ just right - able to identify and count plants
c. too late - plants past their prime

How confident are you tht you correctly identified the species? 50%

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JAN 20 2005
NATIONAL PARK SERVICE

Number of individuals seen:

Do you think you fund all the individuals at the site? unsure

Area covered by the rate species: 3' x 3'

Vigor of species: ___excellent, ___good, ___fair, ___struggling

entered 6/15/05

How does the size (area) and vigor of the species compare with previous visits?
___improved, ___stable, ___declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what?
NO

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? NO

Did you take any photographs? (If so, please include)

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other comments/notes:
I only saw one small area with this species

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

To right of trail near beginning of meadow

Please return to:

Ted Weber, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

MA-33

Name of Plant Monitor: Claudia Knab-Vispo Name of Site Site 33: Sheffield - Egremont Line

Date of Visit May 14, 2004 Time of Visit: 9:30 am



For each rare species (or subpopulation, if applicable) found, please complete the following information:

Species (and subpopulation, if applicable): Viola rostrata

State of plant development: (a.) in flower b. in fruit (berry) c. vegetation only

Timing of visit: a. to early - identifiable features of plant not evident
(b.) just right - able to identify and count plants
c. too late - plants past their prime

How confident are you tht you correctly identified the species? 100%

entered 6/15/05

Number of individuals seen: 25

Do you think you fund all the individuals at the site? No [? wasn't able to search the whole area that we surveyed last year, but within the area that I surveyed there seemed to be about as much ind's as last year]

Area covered by the rate species:

Vigor of species: _____excellent, ✓ good, _____fair, _____struggling

How does the size (area) and vigor of the species compare with previous visits?
____improved, ✓ stable, _____declining (Please mark only one.)

Did you see any evidence of human activities at this site? (e.g. trampling, camping). If so, what? No

Were there other indications of threats to the site? (e.g. gypsy moth infestation, hemlock wooly adelgid, exotic plants) If so, what? No

Did you take any photographs? (If so, please include) No

In your opinion, what action, if any, is necessary to protect the sensitive species?

Other comments/notes:

If you have not already done so, please provide a description and/or map indicating how to find each rare species occurrence.

Please return to:

Ted Weber, Appalachian Mountain Club, 964 South Main Street, Great Barrington, MA 01230

Dave Hardy, 5/5/04 10:57 AM -0400, Natural Heritage Inventory Monitoring Report 1

Date: Wed, 05 May 2004 10:57:22 -0400
From: "Dave Hardy" <Dave@greenmountainclub.org>
To: <aschori@atconf.org>
Subject: Natural Heritage Inventory Monitoring Report

entered 6/15/05 doesn't exist in DB; entered as VT-30

Report date: May 5, 2004

Hi Alice,
Carol and I were out yesterday (May 4, same as in 03) and checked out Moseley Hill pool and poked around looking for Happy Hill pool.

VT-32 Moseley Hill's main pool, near the power line, was in good shape, maybe a little more water in it as the "hook" part of the pool had more water in it. Overall more small (fist sized) egg masses than last year - I counted thirty. This pool sites in a hardwood site - clear water with leaf litter bottom and sticks and logs. Amphibians apparently love it.

VT-32

Just south on AT there is another pool, also to east of trail that is ringed with hemlock so it looks like a cup of tea. It too had eggs in it and we could see little "fry" swimming around in it.

Overall I'd say conditions were cooler and wetter than last year, which was dry. Only blooming flower found on Moseley Hill was ginseng, between the AT and the pools.

VT-30 Happy Hill - we went back and checked out stream drainage from old cabin site and did find one pool near park service boundary line to east of trail (new shelter side) and south of brook crossing. It had smaller surface area but much deeper (1-2 ft) so more likely to not dry up too fast. Unfortunately we could find any egg masses in it. We'll look again next year.

VT-30

not

No threats to any pools noted above on May 4, 2004.

VT-29 I'll toss a map in mail to identify Griggs Mtn pool site described in last week's report.

VT-29

Time spent monitoring: 3 hours in field/trail and 3 hours travel times two people

Cheers,
Dave Hardy and Carol Gregory

Entered 6/14/05

VT

Kent

Rare Plant Occurrence Reporting Form
Nongame and Natural Heritage Program
Vermont Department of Fish and Wildlife

VT-6

OFFICE USE ONLY: Occ. # : _____ New: _____ Update: _____

Investigator(s) Alice Schori Date(s) observed 8/8+9/04

Plant Name Luzula parviflora

Quad Name Woodford (Quad Code) _____

Survey Site Glastenbury Mountain

Town Name Glastenbury

Directions and/or location of site: Approached along AT/LT from north (from Story Spring Shelter area) to summit. Did not check south side of summit.

APPALACHIAN NATIONAL SCENIC TRAIL SEP 14 2004 NATIONAL PARK SERVICE

BIOLOGY

Phenology %	Approx #	Population Area	Age Structure (%)	Vigor (%)
X in leaf	thousands ramets	(in sq. feet, sq.	_____ seedlings	_____ feeble
_____ in bud	(individuals	yards or acres)	_____ immature	X normal
_____ in flower	connected by		_____ 1st year	_____ vigorous
_____ imm. fruit	roots or stem)	_____	_____ mature	(explain below)
X mature fr.	___ genets		_____ senescent	
_____ dispersing	(individuals not		Some patches had few or no culms	
_____ dormant or stem)	connected by root		Some patches had culm for almost every rosette	

Verbal synopsis of biological data and evidence of reproduction: Majority of plants had culms w seeds- some lying down, but many still standing. Patches vary from few rosettes to several sq. ft.

SURVEY SITE & HABITAT INFORMATION

Survey site description: Scattered patches along immediate edges of treadway, on sedgy ~~grassy~~ and/or mossy banks of trail, on "islands" of vegetation in trail, and around ends of old log waterbar. One patch at summit near fire tower (edge of opening)

Substrate: _____ Topographic position: _____

Aspect: Various Slope: Various

Elevation (in feet): minimum ~3260 maximum close to 3748

Light: partial shade to open Moisture: _____

Associated plant species: mosses, Carex debilis, Rubus cf allegheniensis, Dryopteris campyloptera Abies balsamea, Betula alleghaniensis at lower patches / didn't have time for careful observations at higher elev.

How much potential habitat in the area? Anywhere along trail within limits defined by GPS points Seems to be confined to trail area, within about 1 ft of trail edge

IDENTIFICATION: Are there any questions about the identification or taxonomy of the plant? If so, describe:

No

Was a specimen taken? Y (N) A permit is necessary for the collection of a state threatened or endangered plant species.

Collection # _____ Repository _____

Photos taken? Y (N) Photos attached? Y N

QUALITY OF THIS OCCURRENCE: A comparative evaluation of this occurrence with others in the state and rangewide (if known Several factors should be used in this evaluation including quality, size, condition, viability, and defensibility:

Excellent _____ Good X Fair _____ Poor _____ Explain: Thousands (maybe 10's of thousands) of rosettes, majority with fruiting culms, obviously thriving in spite of and because of presence of trail. Area is pretty inaccessible - not lots of day hikers.

CONSERVATION SUMMARY (See also Site Report)

Is the habitat natural? Yes + no - undisturbed except for trail, + Luzula seems to depend on trail

Is the habitat likely to persist? Definitely - protected trail corridor within GMNF

Is this plant likely to persist at the site? Explain any threats: Likely to persist - Yes. Threats - people walking on vegetated banks to avoid muddy spots in trail; damage from trekking poles?

Conservation and management needs: Good trail maintenance to keep trail as firm and well-defined as possible. No midsummer trimming of trailside vegetation (not likely to happen anyway, I think).

LANDOWNER(S) (obtain landowner permission prior to conducting a survey) / CONTACT(S) (include telephone, address)

GMNF Trail maintained by CT section of GMC (802-244-7037)
Oversight by ATC New England Regional Office (603-795-4935)

Attach a copy of the USGS Map showing the location of the rare plant and survey route. Done? Y N

GPS Points (Indicate units of measurements; e.g. NAD 83 or 27): _____

Cross-section of local topography and rare plant location. Include scale and direction.

Please send this form to Robert Popp, Nongame and Natural Heritage Program, Vermont Department of Fish and Wildlife, 5 Perry St., Suite 40, Barre VT 05641-4266 802-476-0127

Log Points: 2
Name: thru26Aug04250
Distance: 0 feet
Log Points: 1
Name: thru26Aug04251
Distance: 0 feet
Log Points: 1
Name: thru26Aug04252
Distance: 187 feet
Area: 2680 feet
0.061 acres
Log Points: 5

NAD83 GPS points

Markers

Name: 025
Short Name: 025
Coordinates: 18 0657363 E, 4761726 N
Comment: 08-AUG-04 15:48
= Luzula is about 50' NNW of opening in dead beeches (where I had to go to get a GPS reading) clump of 13 rosettes but only 1 culm

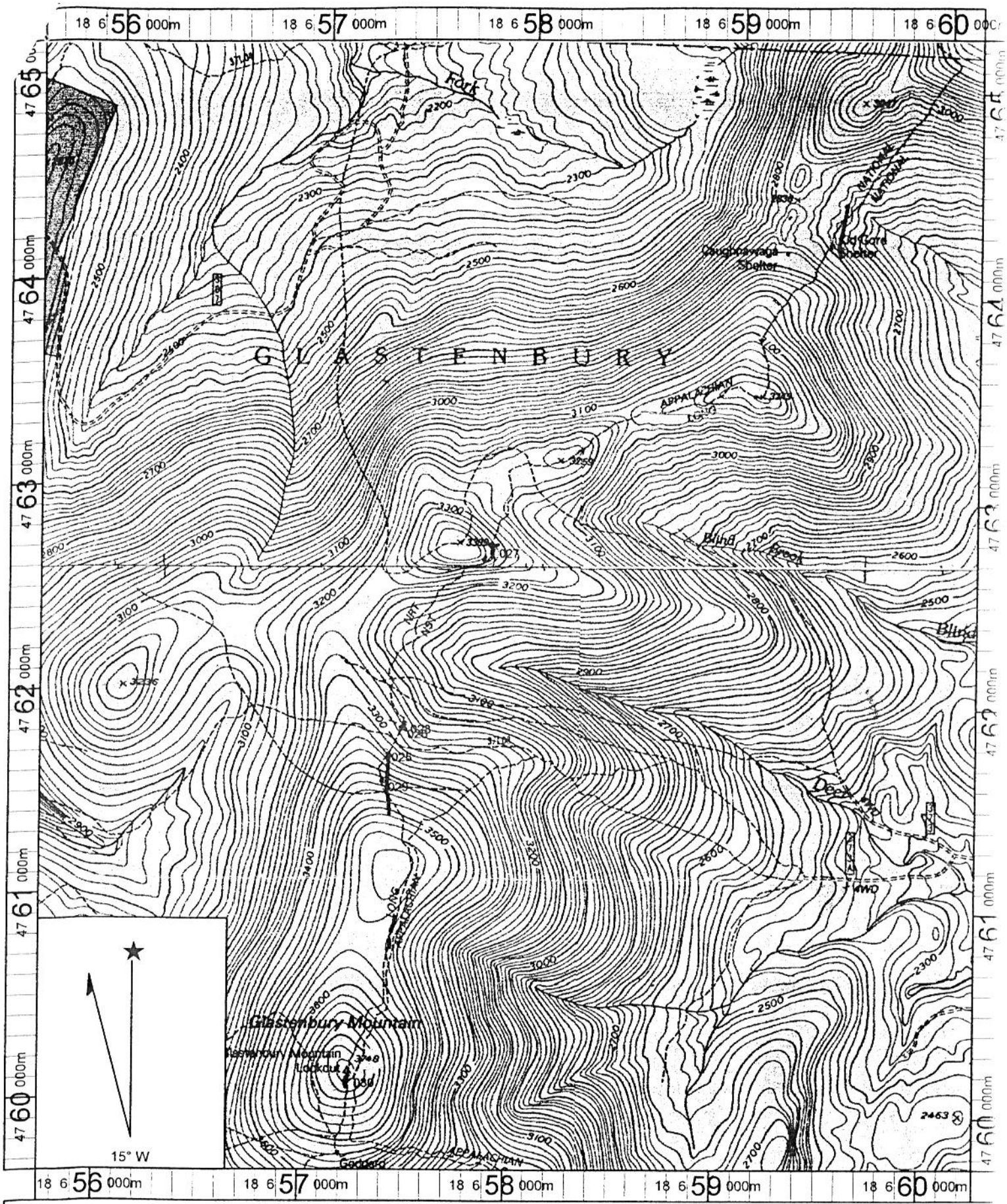
Name: 026
Short Name: 026
Coordinates: 18 0657442 E, 4761847 N
Comment: 08-AUG-04 15:54
= patch with ~~about~~ 36 culms

Name: 028
Short Name: 028
Coordinates: 18 0657452 E, 4761868 N
Comment: 09-AUG-04 14:15
= few plants among roots in trail + on trail side Sporadic patches everywhere south of this point

Name: 029
Short Name: 029
Coordinates: 18 0657354 E, 4761583 N
Comment: 09-AUG-04 14:27
= large, dense patches of Luzula here, then sporadic again to summit

Name: 030
Short Name: 030
Coordinates: 18 0657235 E, 4760128 N
Comment: 09-AUG-04 15:02
= about 1 ft^2 patch near edge of woods at fire tower opening (summit)

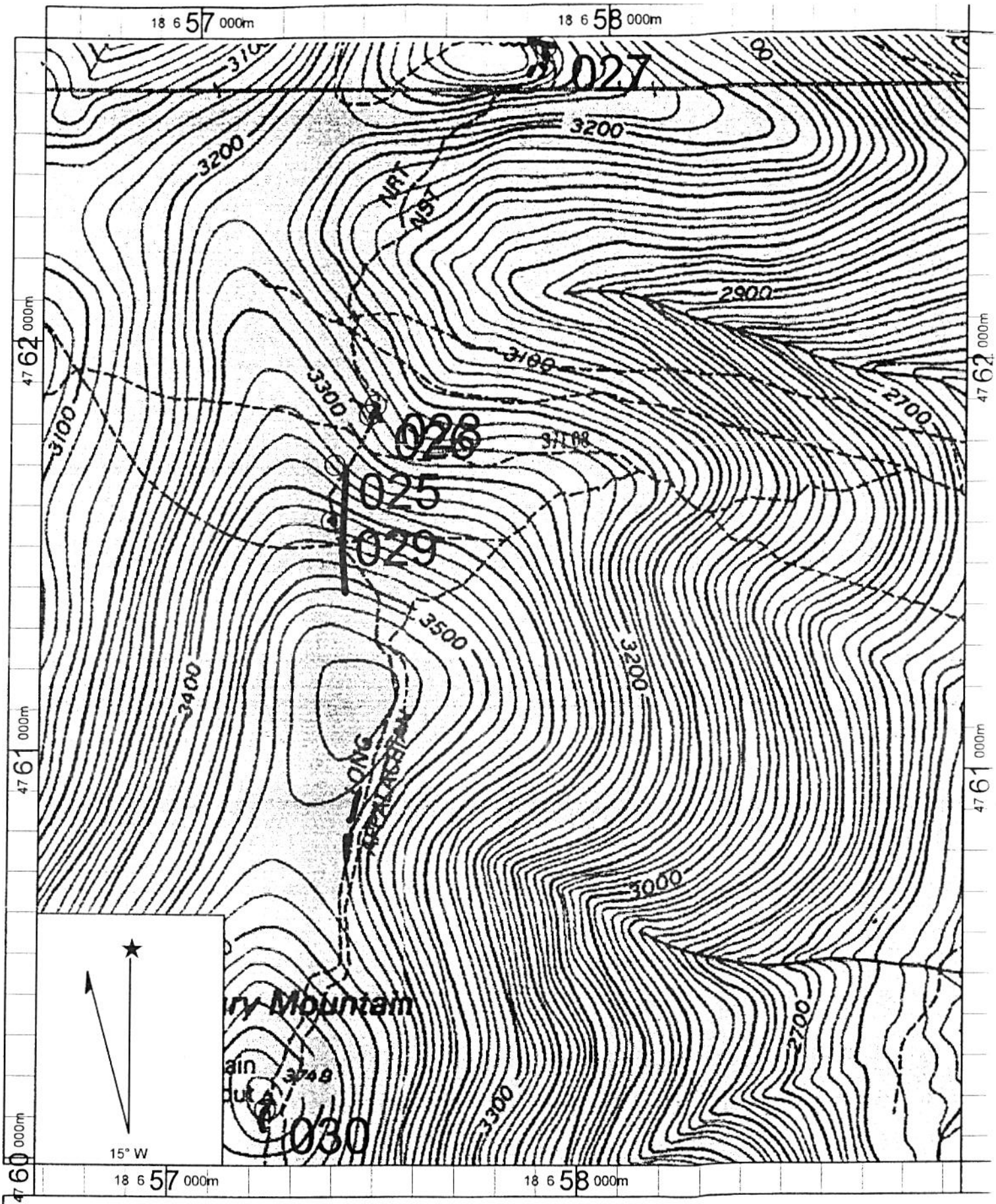
Name: 027
Short Name: 027
Coordinates: 18 0657855 E, 4762741 N
Comment: 09-AUG-04 13:48
= Luzula among rocks in middle of trail, under ends of log waterbar, and on both sides of trail along 20 ft of trail; >50 culms and many more vegetative rosettes. Elev 3380'



Name: WOODFORD
Date: 8/28/2004
Scale: 1 inch equals 2000 feet

Location: 18 0657939 E 4762458 N
Caption: Glastenbury Mountain
Luzula parviflora site
8 - 9 August 2004

Copyright (C) 2002, Maptech, Inc.



Name: WOODFORD
Date: 8/28/2004
Scale: 1 inch equals 1000 feet

Location: 18 0657775 E 4761390 N
Caption: Glastenbury Mountain
Luzula parviflora site
89 August 2004

Copyright (C) 2002, Maptech, Inc.

✓Kent ✓NEWFS ✓VTNNHP ✓GMNF ✓GMC

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Kate Reeves **Site Name:** .016 Perkins Rd.

Volunteer Hours, including travel time: 1½ hrs. **Site Number:** (ex. VA-70) VT-21

Date of Visit: (ex.06/22/2003) 8/8/04 Bridgewater VT

entered 6/15/05

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Dryopteris Filix-mas **Common Name:** male fern

EO#.016

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? No

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? yes

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 3-Site #1 - mix/possible hybrid 101 - 250 251-500 501-750 751-1000 >1000

3-Site #2 - species

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

Improved (Stable) Declining

Do you see any evidence of human activity at the site? (Circle all that apply) No

Trampling Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known) No

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: No Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? None at Present.

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: ATC New England Regional Office, PO Box 312, Lyme, NH 03768

2004 Reports
Maine

ME-02

9.18.04

Kent
NEWFS
MATC
BPL

Hi Alice.
Here's the plant info for Goose Eye. I went up on a beautiful (but windy) Saturday earlier this month to look for the plants. Due to time constraints I was only able to visit the alpine area on the west peak. I recorded data on Solidago multiradiata, Agrostis mertensii, Prenanthes nana, and Huperzia appalachiana. I did not record data on Carex bigelowii, from what I recall it wasn't very prevalent (just a small patch along the trail with Solidago). I searched for Hierochloe alpina around the west peak where it was previously known, but I could not find it. I did find Vaccinium boreale on the west peak, but I will confirm it when it is in flower. I did not have time to visit the other peaks where Geocaulon, Diapensia, and Paryonichia occur.
Trampling is evident above treeline. Some beds of vegetation are beginning to erode due to hiking. I would suggest putting up fragile vegetation signs. A screewall would be nice, but there aren't many loose rocks. But most of the plants that occur along the trail are abundant elsewhere off the trail, except Carex bigelowii.

Take care,
Matt Arsenault

These are all 2004 monitoring reports, grouped by state.

Kent Schwartzkopf
304-535-6769

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Matt Abernathy **Site Name:** Goose Eye Mtn

Volunteer Hours, including travel time: 9 **Site Number:** (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 9/4/04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Agrostis Mertensii **Common Name:** Boreal Bentgrass

GPS Location of Rare Species (optional): UTM 19 **X =** 492675 **Y =** 0341008 **Datum:** (ex. NAD27) NAD 83

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101-250 (251-500) 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

1st visit Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Plants are very abundant and common above treeline, scree will could help define trail

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Appalachian Trail Conference, PO Box 312, Lyme, NH 03768

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Matt Arsenault **Site Name:** Goose Eye Mtn

Volunteer Hours, including travel time: 9 **Site Number:** (ex. VA-70) ME-02

Date of Visit: (ex.06/22/2003) 9 / 4 / 04

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Huperzia appalachiana **Common Name:** Mtn. Firmoss

GPS Location of Rare Species (optional): UTM 19 X = 4929704 Y = 0341007 **Datum:** (ex. NAD27) NAD 83

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 100 %

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals _____ 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

(1st visit) Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other: < slight amounts

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Screen off to define trail & save trees

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Appalachian Trail Conference, PO Box 312, Lyme, NH 03768

Plants are located in crevices above most like. Most plants are located on the steep W and NW facing steep slopes, well off trail

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Matt Arsenault **Site Name:** Goose Eye Mtn

Volunteer Hours, including travel time: 9 **Site Number:** (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 9/4/04

Did you take any photographs? (Yes) No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Solidago multiradiata **Common Name:** Cutler's Goldenrod

GPS Location of Rare Species (optional): UTM 19 X = 497675 Y = 0341008 **Datum:** (ex. NAD27) NAD 83

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower (in fruit (berry)) vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 75 + 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ Sq.Ft. _____ Acres

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

1ST VISIT Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

trail goes through several (20+) plants - No well defined trail near summit sidewalk would be good here

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Appalachian Trail Conference, PO Box 312, Lyme, NH 03768

Plants are relatively common just NW of summit along trail and in patches w/ Vaccinium uliginosum. Many other plants are well off trail on steeper slopes

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Matt Abelmann **Site Name:** Goose Eye Mtn

Volunteer Hours, including travel time: 9 **Site Number:** (ex. VA-70) ___-___

Date of Visit: (ex.06/22/2003) 9/4/04

Did you take any photographs? (Yes) No **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Prenanthes boottii **Common Name:** Dwarf Rattlesnake Root

GPS Location of Rare Species (optional): UTM zone 19 **X =** 4929675 **Y =** 0341008 **Datum:** (ex. NAD27) NAD 83

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? _____

Stage of Plant Development: (circle) in flower (in fruit (berry)) (vegetation only)

How confident are you that you correctly identified the species? 5 of 5 Adults

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate) 100's

#Individuals ca. 20-25 101 - 250 251-500 501-750 751-1000 >1000

Area covered by the rare species: (Fill in the most applicable measurement)

_____ **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) Excellent (Good) Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

1st visit Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other:

Were there any other threats to the site? (Please List if known)

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species?

Plants are adjacent to trail, trail is not well defined above trees - screening would be good

Other Comments / Notes / Maps / Drawings Use Opposite Side

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Appalachian Trail Conference, PO Box 312, Lyme, NH 03768

Plants are located on Goose Eye trail ca. 20m from summit on right side in small bed of vaccinium ulginosum, Plants are also near edge of trail, some trampling may occur. Other plants are located well off trail on steeper west facing slope

Appalachian Trail Rare, Threatened, and Endangered Plant Monitoring Form

Name of Monitor: Rick Speer **Site Name:** Mahoosuc Notch

Volunteer Hours, including travel time: 10 hrs **Site Number:** (ex. VA-70) ME-04

Date of Visit: (ex.06/22/2003) 8/7/2004

Did you take any photographs? Yes (No) **If so, please include examples**

For each Rare Species found, please complete the following information:

Scientific Name: (if known) Hierochloe alpina **Common Name:** Alpine sweet grass

GPS Location of Rare Species (optional): X = _____ Y = _____ **Datum:** (ex. NAD27) _____

Was the timing of your visit *Too Early* to identify and count the rare plant? *Too Late*? No.

Stage of Plant Development: (circle) (in flower) in fruit (berry) vegetation only

How confident are you that you correctly identified the species? 100%

Number of Individual Plants Found: (Please count individuals, otherwise, if over 100, circle appropriate estimate)

#Individuals 37+ 101 - 250 251-500 501-750 751-1000 >1000

Tufted grass: difficult to count individuals: 6 fertile clumps with 31 flowering culms + 7 additional sterile clumps.

Area covered by the rare species: (Fill in the most applicable measurement)

800 **Sq.Ft.** _____ **Acres**

Vigor of Species: (circle one) (Excellent) Good Fair Struggling

How does the size and vigor of the population compare with your last visit? (circle one)

This was my first visit. Improved Stable Declining

Do you see any evidence of human activity at the site? (Circle all that apply)

(Trampling) Camp Site Trail Maintenance Collection ATV

Other: Some, limited trampling.

Were there any other threats to the site? (Please List if known) None observed

Insects: Invasive/Exotic Plants: Animal Browsing:

Competition from other plants: Other:

In your opinion, what action, if any, is necessary to protect the sensitive species? None

Other Comments / Notes / Maps / Drawings Use Opposite Side - Growing in one area: a talus bowl near the center of the notch

Appalachian Trail Thanks YOU for all of your Hard Work!

Please return this form to: Appalachian Trail Conference, PO Box 312, Lyme, NH 03768
603/795-4935 (fax:4936)

ATC file
cc Kent
NEWFS
MNAP
BPL
MATC

MAINE APPALACHIAN TRAIL CLUB
WORK TRIP REPORT

Trip Leader: Rick Speer **Date:** August 7, 2004

Location of work: Mahoosuc Notch

Other workers: None

Travel to and from Trail (all workers): 160 miles; 7 hours

Total person-hours spent working on the Trail: 3 hours

Work report: Trip to Mahoosuc Notch to look for two rare plants: Hierochloe alpina (alpine sweet-grass) and Viburnum edule (squashberry). This was my first trip to the Notch since receiving this monitoring assignment. Hiked in on the Notch Trail from Success Pond Road (about 2.5 miles from Road to AT). Found the Hierochloe alpina site about half-way into the notch in a talus bowl at about 2300 feet elevation. Plants appear to be in good health. Observed 6 fertile clumps with 31 flowering culms, plus 7 additional sterile clumps. A steady rain began as I was counting the plants, but I proceeded further into the Notch (northbound on the AT). About another 100 meters further I saw what I believe to be Viburnum edule, but given the lateness of the season, the rain, and no fruits, I could not positively identify the plants.

Comments:

Alice - This was a volunteer report that I submitted to MATC.

You'll see in the above report that I think I also found the Viburnum edule site, but due to the rain I didn't fully look over it. I hope to get back there in Sept. to get a better look. I'll file a report on that site after the next trip.

Rick

insufficient info.

Date: ~~Tue, 17 Aug~~ 2004 15:40:26 -0700 (PDT)
From: Robert Hupper <bobhupper@yahoo.com>
Subject: ~~Re:~~ your friend's address?
To: Alice Schori <aschori@atconf.org>

ME-24 Kent MATC

what site?

David Gorey
Turbinemaster@yahoo.com
495 West Mills Road
Anson, Maine 04911

I went to Bigelow to check it out. Most of the grasses where going by but the Bentgrass was easy to identify. I never made it to the West Peak for the Sedge. There was another grass that was numerous around the Fire Tower whi ch could have been Sweet Grass but the tops were gone. It has helped me develop a plan to catagorize and map the area. I plan to make a picture diary of all the species I can find for future use of everyone. My question to you is, Do you have any directions to the elusive Snakeroot? I walked around the area and used binoculars to look into the areas where the rocks couldn,t take me and found nothing. Also the map I was given shows a couple of squares around th e camp sites. What plant is supposed to be there or is that just to signify the sensitive area due to camping? Thanks again for all your help.

Robert
I

Alice Schori <aschori@atconf.org> wrote:

> Hi Bob,
> Thanks for attending the workshop at Saddleback. It was good to meet you and all the others.
> I'll be sending a letter to the Maine AT Natural Heritage monitors (soon, I hope), but I don't have any contact information for your friend Dave. In fact,, I don't even know how he spells his last name. Can you let me know his full name, snail mail address, and email address?**Thanks.**
> **Alice**
>
> **ps - We didn't get to see the blue moon, since the thunderstorms finally arrived in the evening, and with a vengeance in our area. I'm very glad we didn't have that sort of weather while we were on the mountain!**

Do you Yahoo!?
New and Improved Yahoo! Mail - 100MB free storage!

NB. I did respond to his questions on 8/20/04 ABS

Intervale Farm

SPECIAL PLANT SURVEY FORM

ME-30

Kent

Site name: Little Wilson Falls | Survey site: Little Wilson Falls

Quad name: Barren Mtn West | Quad code: 4506944

County: Piscataquis | Town: Elliottsville Twp

Date: 7/30/04 | Surveyor(s): Alice Schori + Matt Stevens | Sourcecode: F

Plant Name: Juncus vaseyi | New ☐ Update ☒ | Occurrence #: 003

GPS data: points below falls ① 45 22.585, 69 28.114 ② 45 22.577, 69 28.084 ③ 45 22.573, 69 27.962 Probably NAD 83, but not absolutely sure (used borrowed GPS)

Directions: as Bart DeWolf described to get to falls, then checked below falls along stream within AT corridor and some distance beyond (see GPS points above). Did not follow stream all the way to campsite area as Bart did, so missed any patches east of those listed above.

Number of individuals:
at falls 97 tufts
at ① 19 "
② 16 "
③ 6 "

Population structure: Scattered clumps

10-15 % Vegetative

85-90 % Reproductive

Phenology:
- ☐ In leaf
- ☐ In bud
- ☐ In flower
- ☒ Immature fruit
- ☒ Mature fruit
- ☒ Seed dispersing
- ☐ Dormant

Population area:
- ☐ 1 square yard
- ☐ 1 - 5 square yards
- ☒ 5-100 square yards
- ☐ 100 square yards to 2 acres
- ☐ 2 acres+
- ? Est. area of **potential** habitat (all relatively bare ledges along streams)

Vigor:
- ☐ Very feeble
- ☐ Feeble
- ☒ Normal ?
- ☐ Vigorous
- ☐ Exceptionally vigorous

Comments: larger tufts may include 2-3 plants. Points ① and ② are within AT corridor. Point ③ may correspond to Bart's site 2 on Szabo property? or more likely in Seven Ponds Preserve East

Type of reproduction: ☒ sexual ☐ asexual	Explain: Seed dispersing.
Evidence of disease, predation, etc. ☐ yes ☒ no	Explain:

Aspect:
- ☐ N ☐ NE
- ☐ E ☐ NW
- ☐ S ☐ SE
- ☐ W ☐ SW
- ☐ Flat or n/a Varies

% Slope (the full gamut, mostly flat):
- ☐ Flat
- ☐ 0-10
- ☐ 10-35
- ☐ 35+
- ☐ Vertical

Light:
- ☒ Open
- ☒ Partial
- ☐ Filtered
- ☐ Shade

Topographic position:
- ☐ Crest
- ☐ Upper slope
- ☐ Mid-slope
- ☐ Lower-slope
- ☒ Bottom

Moisture Varies:
- ☐ Inundated
- ☐ Saturated (wet-mesic)
- ☐ Moist (mesic)
- ☒ Dry-mesic the day we visited
- ☐ Dry (xeric)

Elevation: minimum 700± ft maximum 800 ft

Associated natural community/plant community: Riparian zone, mostly bare ledges

Associated plant species: @ ① Rubus pubescens, Taraxacum, Viola sp., Eupatorium maculatum, Phegopteris connectilis, sedges, grasses, Chelone; under overhanging Acer pensylvanicum + Betula alleghaniensis
@ ③ Calamagrostis canadensis

Substrate/soil type: Slate ledges

Threats to population:	Trampling at falls may affect ~10% of population there. Most plants are out of the way of most trafficked areas and seem to be maturing successfully + dispersing seeds.
Conservation / management / research needs:	Monitor periodically to observe trends. Area cannot practically be protected from local traffic. Signs would be useless, as small plants in cracks are very hard to notice even by botanist trying to avoid stepping on them!

Photograph taken? ☒ yes ☐ no
Specimen collected? ☐ yes ☒ no Collection #: _____ Repository: _____

Other species occurring at the site:
Do other members of this genus occur at this site? ☒ yes ☐ no
Juncus greenei

If yes, please complete below:
Hybridization? ☐ yes ☐ no don't know
Identification questions? ☐ yes ☒ no
Explain:

RANKING

1. SIZE / QUALITY:
How large is this population relative to typical populations of the species? Does it appear to be viable, i.e. capable of maintaining itself if its habitat remains basically intact? No basis for comparison. Have not seen species elsewhere.

- **Size / Quality Rank:** **A** excellent **B** good **C** fair **D** poor

2. CURRENT CONDITION of the plant habitat:
Is the habitat supporting the EO pristine or degraded? Note any natural and anthropogenic disturbance within the plant habitat (check off, then describe extent and how recent below):

☐ Logging – most recently c. _____ yrs ago	☐ Animal effects (insect outbreaks, browsing)
☐ Agriculture / pasture	☐ Erosion
☐ Fire	☐ Dumping or Mining
☐ Wind or ice damage	☐ ORV / vehicle disturbance
☐ Impoundment	☒ Trails / roads
☐ Exotic plants	☐ other

Describe the disturbance(s): to what degree have these altered natural ecological processes, or do they appear to have any negative or positive effects on the population?
Popular site for local visitors as well as AT hikers. Trampling on rocks is definitely a factor but seems to affect relatively few of the plants + seems unlikely to eliminate the occurrence at the falls. Smaller patches downstream would be endangered only by fishermen, and that is probably not a major concern.

- **Condition Rank:**

1 No apparent signs of human disturbance (human use may have occurred, but long enough ago that effects are no longer visible or are extremely minor).
(2) Some signs of human disturbance or degradation, but habitat generally intact.
3 Highly disturbed.

3. LANDSCAPE CONTEXT of the area surrounding the plant habitat:

- What land uses and/or natural communities surround the observed area? To what degree can the population be protected from effects of adjacent land uses? AT corridor is protected. Don't know status of Seven Ponds Preserve.

- **Landscape Rank:**

1 Population surrounded by >= 1000 acres of undisturbed landscape. — probably
2 Population surrounded by fairly intact landscape, though there may be cuts nearby.
3 Population surrounded by fragmented forest or rural landscape.
4 Surrounding area developed.

4. OVERALL RANK for plant EO based on your experience: **A** excellent (**B** good)? **C** fair **D** poor

5. MNAP reviewed/verified rank: **A** excellent **B** good **C** fair **D** poor

Describe rationale (EO rank specs in MNAP element files; general EO rank spec considerations, etc.):

Landowner name/address for the ~~entire~~ population: within AT corridor	Landowner phone: ATPO 304-535-6767 ATC 603-795-4935
Appalachian Trail Park Office Harpers Ferry Center Harpers Ferry WV 25425 and ATC New England Regional Office PO Box 312 Lyme NH 03768	Lot number (if known): Tax map (if known): Landowner aware of plant? ☒ yes ☐ no Landowner protecting plant? ☒ yes ☐ no at least trying Landowner comments: AT relocation to avoid falls could be considered, but only if population shows serious decline over time.

Cross section of topography (habitat). Include scale, direction, element position.

See attached map

Feature Map: It is very important to include a map indicating the precise location and extent of the feature. Please follow these instructions carefully when attaching your feature map.

1. Attach a photocopy of the appropriate part of a USGS topographic map (1:24,000 scale if available) and write the map scale on the map. Please do NOT enlarge or reduce the map.
2. Indicate on the map the exact location of the observed feature(s):
   a. When the observed feature is ***no larger than a pen point*** on the map (i.e. extremely small patches), place small points on the map indicating the location(s) of the patches, and label each point with an arrow so they are easily seen.
   b. When the observed feature is ***larger than a pen point*** on the map:
   (1) Draw a **thin solid boundary line showing the extent of the observed area** of the feature.
   (2) Indicate disjunct patches (polygons) by drawing the boundary for each patch separately.
   (3) If the boundary follows the edge of a lake, stream, road, marsh or other feature, draw the boundary precisely in the edge of the feature.
   (4) Where needed, add notes to the map with instructions on where the boundary line is located or if the boundary is shared with other observations.

Note: One Feature Map may be submitted for multiple features (communities and plants), providing the map is clear and easy to read. If necessary, please attach multiple feature maps to ensure clarity.

Locational Uncertainty is a measure of how the location of an observed area on a map varies from its actual location on the ground.

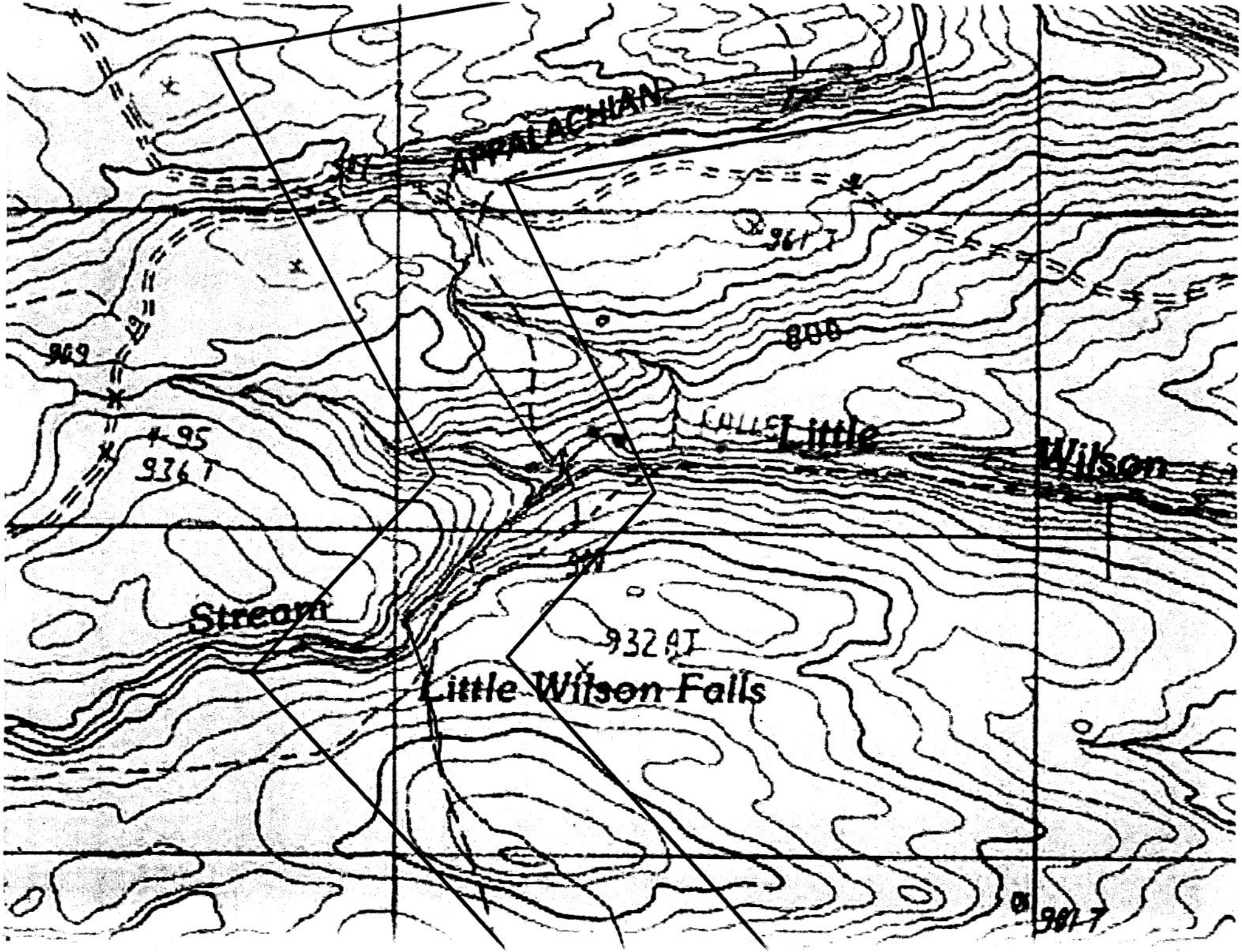
1. Is your depiction of the observed area on the map within 6.25 meters (approximately 20 ft) of its actual location on the ground? **Yes** **No**
   a. If no, estimate the uncertainty distance based on landmarks, elevation, etc. The location of the observed area on the map is accurate to within _____ meters kilometers feet miles of the actual location on the ground.
   b. Is the observed area known to be located within some feature(s) on the map (e.g. wetland boundary, lake, road, trail, highway, contour lines)? **Yes** **No**
   (1)If yes, indicate the boundary within which the observed area is known to be located on the map with a **dashed line**, and if applicable, identify the feature.

Confidence Extent is a measure of how confident you are that the observed area represents the full extent of the feature.

Indicate whether there is confidence that the observed area represents the full extent of the feature at that location. **Yes** **No** **?**
Y = Confident that the full extent is known **N** = Confident that the full extent is NOT known **?** = Uncertain whether the full extent is known

Shaded areas are to be filled out by Maine Natural Areas Program staff.

Please mail the completed field form and appropriate map to: **PCV Coordinator, New England Wild Flower Society, 180 Hemenway Road, Framingham, MA 01701**. Thank you!


APPALACHIAN
969
95
936 T
Little
Wilson
Stream
932 T
Little Wilson Falls
961 T